Receivered Number/3/2024 9:53:39 AM

Type of Well: CONVENTIONAL GAS

WĖLI

**Allottee or Tribe Name:** 

Page 1 of 44

Lease Number: NMLC0068430

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number: 3001553216 Operato

**Operator: XTO PERMIAN OPERATING** 

LLC

### **Notice of Intent**

**Sundry ID:** 2784389

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/10/2024 Time Sundry Submitted: 02:43

Date proposed operation will begin: 04/30/2024

**Procedure Description:** XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: FTP: 387' FNL & 588' FEL OF SECTION 21-T24S-R30E 100' FNL & 424' FEL OF SECTION 21-T24S-R30E LTP: 330' FNL & 536' FEL OF SECTION 33-T23S-R30E 2537' FNL & 420' FEL OF SECTION 33-T24S-R30E BHL: 200' FNL & 535' FEL OF SECTION 33-T23S-R30E 2627' FNL & 421' FEL OF SECTION 33-T24S-R30E The proposed total depth is changing from 32814' MD; 11055' TVD (Wolfcamp) to 22591' MD; 9763' TVD (Bone Spring 2 Sand). A saturated salt brine will be utilized while drilling through the salt formations. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS

### **NOI Attachments**

### **Procedure Description**

PLU\_21\_DTD\_108H\_Sundry\_Documents\_20240726145637.pdf

LLC

## **Conditions of Approval**

### **Additional**

POKER\_LAKE\_UNIT\_21\_DTD\_108H\_COA\_20240827144541.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: TERRA SEBASTIAN Signed on: JUL 26, 2024 02:56 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Advisor

Street Address: 6401 HOLIDAY HILL ROAD SUITE 200

City: MIDLAND State: TX

Phone: (432) 999-3107

Email address: TERRA.B.SEBASTIAN@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:** 08/29/2024

Signature: Chris Walls

Form 3160-5 (June 2019)

# UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BURI	EAU OF LAND MANAGEMENT	3. Lease Seriai No.	NMLC068430				
	IOTICES AND REPORTS ON V		6. If Indian, Allottee	or Tribe Name			
	orm for proposals to drill or to Use Form 3160-3 (APD) for su						
SUBMIT IN 1	TRIPLICATE - Other instructions on pag	ne 2	_	eement, Name and/or No.			
1. Type of Well			POKER LAKE UNI				
Oil Well Gas W			8. Well Name and No	POKER LAKE UNIT 21 DTD/108H			
2. Name of Operator XTO PERMIAN	OPERATING LLC		9. API Well No. 300	1553216			
3a. Address 6401 HOLIDAY HILL Ro	OAD BLDG 5, MIDLAND, 3b. Phone No. (432) 683-22	(include area code 77	10. Field and Pool or PURPLE SAGE/V				
4. Location of Well (Footage, Sec., T.,R SEC 16/T24S/R30E/NMP	.,M., or Survey Description)		11. Country or Parish EDDY/NM	ı, State			
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE	OF NOTICE, REPORT OR OT	HER DATA			
TYPE OF SUBMISSION		TYI	PE OF ACTION				
Notice of Intent	Acidize Deep Alter Casing Hyde	oen raulic Fracturing	Production (Start/Resume)	Water Shut-Off Well Integrity			
		Construction	Recomplete	Other			
Subsequent Report		and Abandon	Temporarily Abandon				
Final Abandonment Notice	Convert to Injection Plug	Back	Water Disposal				
is ready for final inspection.)  XTO Permian Operating, LLC.	respectfully requests approval to make ent, Proposed total Depth, and formation	the following cha					
FROM: TO:							
LTP: 330' FNL & 536' FEL OF BHL: 200' FNL & 535' FEL OF	SECTION 21-T24S-R30E 100' FNL & 4 SECTION 33-T23S-R30E 2537' FNL & SECTION 33-T23S-R30E 2627' FNL & anging from 32814 MD; 11055 TVD (W	420' FEL OF SE 421' FEL OF SE	CTION 33-T24S-R30E CTION 33-T24S-R30E	g 2 Sand).			
	, , , , , , , , , , , , , , , , , , , ,	μ,	(	<b>9</b>			
	tilized while drilling through the salt form	nations.					
Continued on page 3 additiona  14. I hereby certify that the foregoing is							
TERRA SEBASTIAN / Ph: (432) 99		Regulator Title	y Advisor				
Signature (Electronic Submission	n)	Date	07/26/2	2024			
	THE SPACE FOR FED	ERAL OR ST	ATE OFICE USE				
Approved by							
CHRISTOPHER WALLS / Ph: (575	5) 234-2234 / Approved	Title Petro	leum Engineer	08/29/2024 Date			
	ned. Approval of this notice does not warrar equitable title to those rights in the subject leduct operations thereon.		RLSBAD				

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

### **GENERAL INSTRUCTIONS**

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

### SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

### **NOTICES**

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

(Form 3160-5, page 2)

### **Additional Information**

### **Additional Remarks**

See attached Drilling Plan for updated cement and casing program.

Attachments: C-102, Drilling Plan, Directional Plan, MBS

### **Location of Well**

0. SHL: SESE / 237 FSL / 127 FEL / TWSP: 24S / RANGE: 30E / SECTION: 16 / LAT: 32.211148 / LONG: -103.877994 ( TVD: 0 feet, MD: 0 feet )

PPP: NENE / 387 FNL / 588 FEL / TWSP: 24S / RANGE: 30E / SECTION: 21 / LAT: 32.209429 / LONG: -103.879488 ( TVD: 11055 feet, MD: 11500 feet )

BHL: NENE / 200 FNL / 535 FEL / TWSP: 23S / RANGE: 30E / SECTION: 33 / LAT: 32.268076 / LONG: -103.879319 ( TVD: 11055 feet, MD: 32814 feet )

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO
LEASE NO.: NMLC068430
LOCATION: Sec.16, T.24 S, R 30 E

COUNTY: Eddy County, New Mexico

WELL NAME & NO.: PLU 21 DTD 108H

SURFACE HOLE FOOTAGE: 237'/S & 127'/E

BOTTOM HOLE FOOTAGE: 2627'/N & 421'/E

Changes approved through engineering via **Sundry 2784389** on \_8-27-2024\_\_. Any previous COAs not addressed within the updated COAs still apply.

COA

$H_2S$	•	No	O Yes					
Potash /	None	Secretary	□ R-111-Q	Open Annulus				
WIPP	Choose	e an option (including bla	ncluding blank option.)					
Cave / Karst	• Low	Medium	Ü High	<ul><li>Critical</li></ul>				
Wellhead	Conventional	• Multibowl	👨 Both	<ul><li>Diverter</li></ul>				
Cementing	Primary Squeeze	Cont. Squeeze	EchoMeter	DV Tool				
Special Req	Capitan Reef	Water Disposal	COM	Unit				
Waste Prev.	© Self-Certification	O Waste Min. Plan	APD Submitted p	rior to 06/10/2024				
Additional	▼ Flex Hose	Casing Clearance	Pilot Hole	Break Testing				
Language	Four-String	Offline Cementing	Fluid-Filled					

### 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.

APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.

### **B. CASING**

- 1. The 13-3/8 inch surface casing shall be set at approximately 931 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 <u>8 hours</u> or <u>500 pounds compressive strength</u>, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch 1st Intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, or potash.

- 3. The minimum required fill of cement behind the **7-5/8** inch 2<sup>nd</sup> 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 6380'
  - b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to tie-back at least **500ft** into previous casing shoe. If cement does not reach surface, the appropriate BLM office shall be notified.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, or potash.

Operator has proposed to pump down Intermediate 1 X Intermediate 2 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 Surface casing to tieback requirements listed above after the second stage BH to verify TOC. Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

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

- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back 100 feet into the previous casing. Operator shall provide method of verification. Excess calculates to 13%. Additional cement maybe required.

### C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
- 2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- a. 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.
- b. Manufacturer representative shall install the test plug for the initial BOP test.
- c. 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.
- d. 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. (This is not necessary for secondary recovery unit wells)

### **BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for intervals utilizing a 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 43 CFR 3172.
- 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.

Engineer may elect to vary this language. Speak with Chris about implementing changes and whether that change seems reasonable.

### **Casing Clearance**

String does not meet 0.422" clearance requirement per 43 CFR 3172. Cement tieback requirement increased 100' for 2nd Intermediate casing tieback. Operator may contact approving engineer to discuss changing easing set depth or grade to meet clearance requirement.

# **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)

### **Contact Eddy County Petroleum Engineering Inspection Staff:**

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; **BLM NM CFO DrillingNotifications@BLM.GOV**; (575) 361-2822

- 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
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2<sup>nd</sup> 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

### 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 of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-Q 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 3172.
- 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:
  - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - ii. 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.
  - iii. Manufacturer representative shall install the test plug for the initial BOP test.
  - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - v. 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.
  - i. 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).
  - ii. 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.)
- iii. 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 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. 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.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. 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.
- vii. 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.
- viii. 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 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.

**Approved by Zota Stevens on 8/27/2024** 575-234-5998 / zstevens@blm.gov

### WELL LOCATION AND ACREAGE DEDICATION PLAT

	VV 11	EL LOCATION AND	ACKEAGE DEDICATION LEAT						
<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name						
30-015-	53216	97798	WILDCAT G-06 S243026M; BONE SPRING						
4 Property Code		<sup>6</sup> Well Number							
333571		POKER LAKE UNIT 21 DTD							
<sup>7</sup> OGRID No.		<sup>9</sup> Elevation							
373075		3,395'							

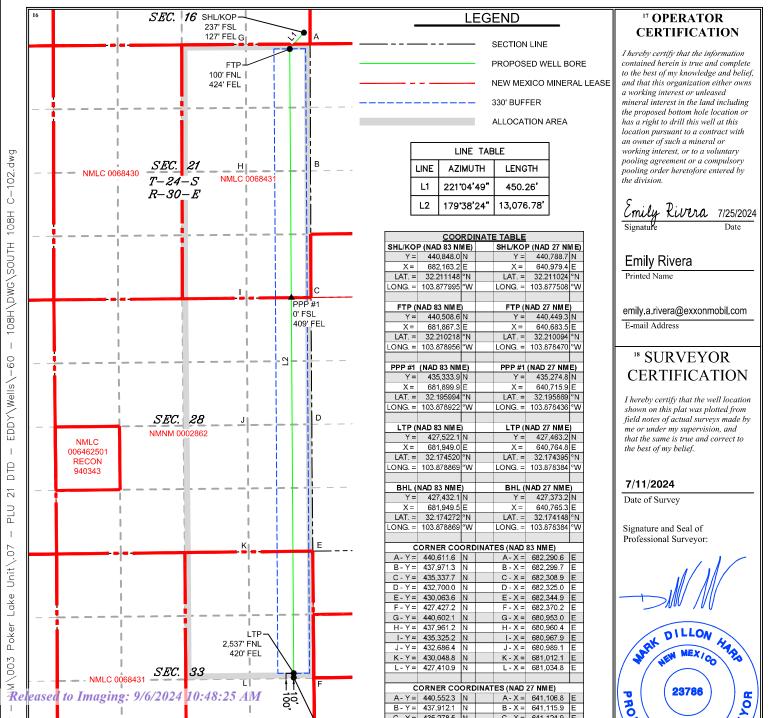
"Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	24\$	30E		237	SOUTH	127	EAST	EDDY

"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
н	33	24S	30E		2,627	NORTH	421	EAST	EDDY
12 Dedicated Acres   13 Joint or Infill   14 Consolidation Code   15 Ord					ler No.			•	
800.00									

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.



Inten	t X	As Dril	led											
API #														
-	rator Nar DPERM	<sup>me:</sup> IAIN OPI	ERATIN	G, LL	C.	Propert POKE	-			IT 21	DTI	D		Well Number 108H
						I								
Kick (	Off Point Section	(KOP)	Range	Lot	Feet	Fro	om N/	S	Feet		From	n E/W	County	
Latitude Longitude NAD														
First <sup>*</sup>	Take Poir	nt (FTP)												
UL <b>A</b>	Section 21	Township 24S	Range 30E	Lot	Feet 100		om N/ DRT		Feet 424		From EAS	E/W	County EDDY	
132.	<sup>lide</sup> 210218	3			Longitu -103	<sup>ide</sup> .87895	6						NAD 83	
Loct 7	Taka Dain	+ (I TD)												
UL	Section	Township	Range	Lot	Feet	From N,		Feet		From E		Count		
H		24S	30E		2,537 Longitu		<u> </u>	420		EAST		NAD	Y	
32.	174520	)			-103	.87886	<u> </u>					83		
Is this	s well the	defining v	vell for th	e Horiz	zontal S <sub>l</sub>	pacing Ur	nit?			]				
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	ll is yes p ng Unit.	lease prov	ide API if	availab	ole, Opei	rator Nar	ne a	nd v	vell nu	umber	for [	Definir	ng well fo	r Horizontal
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KZ 06/29/2018

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

XTO Energy Inc. POKER LAKE UNIT 21 DTD 108H Projected TD: 22591' MD / 9763' TVD SHL: 237' FSL & 127' FEL , Section 16, T24S, R30E BHL: 2627' FNL & 421' FEL , Section 33, T23S, R30E EDDY County, NM

### 1. Geologic Name of Surface Formation

Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	1042'	Water
Top of Salt	1445'	Water
Base of Salt	3638'	Water
Delaware	3832'	Water
Brushy Canyon	6378'	Water/Oil/Gas
Bone Spring	7702'	Water
Avalon	8395'	Water/Oil/Gas
1st Bone Spring	8411'	Water/Oil/Gas
2nd Bone Spring	8996'	Water/Oil/Gas
Target/Land Curve	9763'	Water/Oil/Gas

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13.375 inch casing @ 1420' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3738' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 7.625 inch casing at 8847' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 22591 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 8547 feet) per Potash regulations.

### 3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1420'	13.375	54.5	J-55	BTC	New	3.09	1.82	11.75
12.25	0' – 3738'	9.625	40	J-55	BTC	New	1.88	3.04	4.21
8.75	0' – 3838'	7.625	29.7	RY P-110	Flush Joint	New	2.97	3.05	2.12
8.75	3838' – 8847'	7.625	29.7	HC L-80	Flush Joint	New	2.16	3.85	2.73
6.75	0' – 8747'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.32	2.20
6.75	8747' - 22591'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.08	5.52

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

- $\cdot$  9.625 Collapse analyzed using 50% evacuation based on regional experience.
- · 7.625 Collapse analyzed using 50% evacuation based on regional experience.
- · 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

### Wellhead:

Permanent Wellhead - Multibowl System

A. Starting Head: 20" 10M top flange x 13-3/8" bottom

B. Tubing Head: 13-5/8" 10M bottom flange x 7-1/16" 15M top

· Wellhead will be installed by manufacturer's representatives. flange

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

<sup>\*\*\*</sup> Hydrocarbons @ Brushy Canyon
\*\*\* Groundwater depth 40' (per NM State Engineers Office).

<sup>·</sup> XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface and intermediate 1 casing per this Sundry

### 4. Cement Program

### Surface Casing: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 1420'

Optional Lead: 1160 sxs EconoCem-HLTRRC (mixed at 12.8 ppg, 1.33 ft3/sx, 10.13 gal/sx water)

Tail: 310 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 250 psi 24 hr = 500 psi

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

### 1st Intermediate Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 3738'

Lead: 780 sxs Class C (mixed at 14.8 ppg, 2.06 ft3/sx, 10.13 gal/sx water)

Tail: 60 sxs Class C + 2% CaCl (mixed at 15.6 ppg, 2.06 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

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

### 2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 8847'

st Stage

Optional Lead: 140 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: 3438

Tail: 260 sxs Class C (mixed at 14.8 ppg, 1.27 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6378

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

### 2nd Stage - bradenhead contingency

Tail: 140 sxs Class C (mixed at 14.8 ppg, 2.77 ft3/sx, 6.39 gal/sx water)

Top of Cement: 3438

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 (6378') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface.

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

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

### Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 22591'

Lead: 10 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8547 feet
Tail: 850 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9106 feet
Compressives: 12-hr = 1375 psi 24 hr = 2285 psi

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

### 5. Pressure Control Equipment

Once the permanent WH is installed on the suface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril and a 10M Double Ram BOP.

XTO will use a Multi-Bowl system which is attached.

All BOP testing will be done by an independent service company. Annular pressure tests will be conducted to at least 50% of the rated working pressure. When nippling up on the 13.375, 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 week

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. 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	Viscosity	Fluid Loss	Additional Comments
IIII	11010 0120	maa 1 ypo	(ppg)	(sec/qt)	(cc)	Fresh water or
0' - 1420'	17.5	FW/Native	8.4-8.9	35-40	NC	native water Fully saturated
1420' - 3832'	12.25	Saturated Salt	10.5 - 11	30-32	NC	salt across salado / salt
3832' to 8847'	8.75	BDE / OBM	9- 9.5	30-32	NC	N/A
8847' to 22591'	6.75	ОВМ	10.5-11	50-60	NC - 20	N/A

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

### 7. Auxiliary Well Control and Monitoring Equipment

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

### 8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

### 9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5331 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 21 DTD South 108H

Well Plan Report

20/24, 9:47 АМ Well Plan Report - Poker Lake Unit 2	22591.03 ft	9763.00 ft		New Mexico East - n: NAD 27	440788.70 ft	640979.40 ft	3427.00 ft	3395.00 ft	Grid	gle: 0.24 Deg
3/20/24, 9:47 AM Well Plan Repo	Measured Depth:	TVD RKB:	Focation	Cartographic Reference System:	Northing:	Easting:	WI KKB:	Ground Level:	North Reference:	Convergence Angle:

	Dogleg	Rate	(Deg/100ft) Target	00.00	0.00	2.14	00.00	2.14	0.00	8.00	0.00 LTP6	0.00 BHL 6
	O		(Deg/1									
	Turn	Rate	(Deg/100ft)	00'0	00.00	00.00	00.00	00.00	00.00	00.00	00.00	0.00
	Build	Rate	(Deg/100ft)	00.00	00:00	2.14	00.00	-2.14	00.00	8.00	00.00	00.00
		X Offset	(ff)	00.00	0.00	-96.87	-199.03	-295.90	-295.90	-291.41	-214.53	-213.97
_	TVD	Y Offset	(ff)	00.00	00.00	-111.11	-228.29	-339.40	-339.40	-1055.58	-13325.50	-13415.50
DTD South 108h		RKB	(#)	00.00	3700.00	4575.66	5024.34	5900.00	9046.80	9763.00	9763.00	9763.00
Poker Lake Unit 21 DTD South 108H		Azimuth	(Deg)	00.00	00.00	221.08	221.08	00.00	00.00	179.64	179.64	179.64
Po		Inclination	(Deg)	00.00	00.00	19.11	19.11	00.00	00.00	90.00	90.00	90.00
Plan Sections	Measured	Depth	(tf)	00.00	3700.00	4592.11	5066.96	5959.07	9105.87	10230.87	22501.03	22591.03

	Semi-major Semi-minor Semi-minor Tool	
	Semi-minor (	
	Semi-major	
	Magnitude	
	Vertical	
outh 108H	Lateral	
Poker Lake Unit 21 DTD South 108	TVD Highside	
Position Uncertainty	Measured	

0/24, 9:47 AM								Well Plan Report	Report			
Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error Bias	of Bias	Error	Error	Azimuth Used
(#)	(0)	0	(#)	(#)	#)	<b>(#</b>	(#)	(ff) (ff)	(#)	(#)	(#)	(,)
000'0	0.000	0.000	000'0	0000	0.000	000.0	0.000	0.000 0.000	0000	0.000	000'0	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	2.325 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
200.000	0.000	0.000	200.000	2.240	0.000	2.034	0.000	2.374 0.000	0.000	2.503	1.701	127.419 MWD+IFR1+MS
000.009	0.000	0.000	000.009	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	2.444 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
000'006	0000	0000	000'006	3.696	0.000	3.502	0.000	2.532 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	2.582 0.000	0000	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	2.635 0.000	0.000	4.752	3.849	128.859 MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.779	0.000	4.589	0.000	2.692 0.000	0.000	5.119	4.207	128.954 MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	5.140	0.000	4.950	0.000	2.752 0.000	0.000	5.484	4.565	129.034 MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.500	0.000	5.311	0.000	2.814 0.000	0.000	5.849	4.924	129.102 MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.860	0.000	5.672	0.000	2.879 0.000	0.000	6.213	5.282	129.161 MWD+IFR1+MS
1600.000	0.000	0.000	1600.000	6.219	0.000	6.032	0.000	2.947 0.000	0.000	6.577	5.640	129.212 MWD+IFR1+MS
1700.000	0.000	0.000	1700.000	6.579	0.000	6.392	0.000	3.017 0.000	0.000	6.939	5,999	129.257 MWD+IFR1+MS
1800.000	0.000	0.000	1800.000	6.938	0.000	6.752	0.000	3.088 0.000	0.000	7.302	6.357	129.297 MWD+IFR1+MS
1900.000	0.000	0.000	1900.000	7.298	0.000	7.112	0.000	3.162 0.000	0.000	7,664	6.715	129.333 MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.657	0.000	7 471	0.000	3.237 0.000	0.000	8.026	7.074	129.365 MWD+IFR1+MS
2100.000	0.000	0.000	2100.000	8.016	0.000	7.831	0.000	3.315 0.000	0.000	8.387	7.432	129.394 MWD+IFR1+MS
2200.000	0.000	0.000	2200.000	8.375	0.000	8.190	0.000	3.393 0.000	0.000	8.748	7.791	129.420 MWD+IFR1+MS
2300.000	0.000	0.000	2300.000	8.734	0.000	8.550	0.000	3.474 0.000	0.000	9.109	8.149	129.444 MWD+IFR1+MS
2400.000	0.000	0.000	2400.000	9.093	0.000	8.909	0.000	3.555 0.000	0.000	9.470	8.507	129.466 MWD+IFR1+MS
2500,000	0.000	0.000	2500,000	9.452	0000	9.268	0000	3,639 0,000	0000	9,831	8,866	129,486 MWD+IFR1+MS
2600.000	0.000	0.000	2600.000	9.811	0.000	9.627	0.000	3.723 0.000	0.000	10.191	9.224	129.505 MWD+IFR1+MS
2700,000	00000	0.000	2700.000	10.170	0.000	986.6	0.000	3.809 0.000	0.000	10.552	9.583	129.522 MWD+IFR1+MS
2800.000	0.000	0.000	2800.000	10.529	0.000	10.345	0.000	3.896 0.000	0.000	10.912	9.941	129.538 MWD+IFR1+MS
2900.000	0.000	0.000	2900.000	10.888	0.000	10.705	0.000	3.985 0.000	0.000	11.272	10.299	129.552 MWD+IFR1+MS
3000.000	0.000	0.000	3000.000	11.247	0.000	11.063	0.000	4.075 0.000	0.000	11.632	10.658	129.566 MWD+IFR1+MS

	129.579 MWD+IFR1+MS	129.591 MWD+IFR1+MS	129.603 MWD+IFR1+MS	129.613 MWD+IFR1+MS	129.623 MWD+IFR1+MS	129.633 MWD+IFR1+MS	129.642 MWD+IFR1+MS	129.998 MWD+IFR1+MS	132.626 MWD+IFR1+MS	134.430 MWD+IFR1+MS	-44.267 MWD+IFR1+MS	-43.283 MWD+IFR1+MS	-42.512 MWD+IFR1+MS	-41.885 MWD+IFR1+MS	-41.358 MWD+IFR1+MS	-41.006 MWD+IFR1+MS	-41.016 MWD+IFR1+MS	-40.992 MWD+IFR1+MS	-40.771 MWD+IFR1+MS	-40.538 MWD+IFR1+MS	-40.292 MWD+IFR1+MS	-40.217 MWD+IFR1+MS	-40.208 MWD+IFR1+MS	-40.009 MWD+IFR1+MS	-39.603 MWD+IFR1+MS	-39.258 MWD+IFR1+MS	-38.963 MWD+IFR1+MS	-38.711 MWD+IFR1+MS	-38.491 MWD+IFR1+MS	-38.298 MWD+IFR1+MS	-38.126 MWD+IFR1+MS	-38.073 MWD+IFR1+MS	-38.124 MWD+IFR1+MS
	11.016	11.375	11.733	12.092	12.450	12.809	13.167	13.512	13.851	14.187	14.522	14.856	15.190	15.525	15.860	16.170	16.197	16.538	16.888	17.242	17.599	17.836	17.953	18.310	18.668	19.026	19.383	19.738	20.091	20.440	20.786	20.993	21.136
	11.992	12.352	12.712	13.071	13.431	13.790	14.150	14.493	15.008	15.515	16.013	16.500	16.977	17.444	17.900	18.289	18.312	18.597	18.893	19.194	19.499	19.701	19.801	20.169	20.625	21.083	21.541	21.998	22.452	22.902	23.347	23.529	23.657
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000
Well Plan Report	4.166 0.000	4.258 0.000	4.352 0.000	4.447 0.000	4.543 0.000	4.641 0.000	4.740 0.000	4.841 0.000	4.943 0.000	5.049 0.000	5.160 0.000	5.277 0.000	5.403 0.000	5.538 0.000	5.685 0.000	5.823 0.000	5.828 0.000	5.949 0.000	000'0 920'9	6.208 0.000	6.343 0.000	6.434 0.000	6.481 0.000	6.641 0.000	6.818 0.000	6.984 0.000	7.141 0.000	7.290 0.000	7.432 0.000	7.569 0.000	7.703 0.000	7.782 0.000	7.836 0.000
	0.000	000.0	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	000.0	0.000	0.000	0.000
	11.422	11.781	12.140	12.499	12.858	13.217	13.576	13.512	13.852	14.192	14.532	14.873	15.213	15.555	15.898	16.213	16.239	16.579	16.930	17.285	17.644	17.881	17.998	18.356	18.722	19.087	19.451	19.813	20.173	20.529	20.881	22.598	22.729
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	0.000	0.000
	11 606	11 965	12.323	12.682	13 041	13.400	13.758	14.483	14.971	15.432	15.865	16.272	16.653	17.009	17.341	17.600	17.624	17.924	18.236	18.553	18.874	19.088	19.249	19 791	20.392	20.961	21.497	22.000	22.468	22.901	23.299	21 992	22.131
	0 3100.000	0 3200.000	000.0000	0 3400.000	000.0058 0	000.0098 0	000.0076 0	3 3799.977	3 3899.814	3 3999.371	3 4098.511	3 4197.093	3 4294.980	3 4392.036	3 4488.124	3 4575.657	3 4583.115	3 4677.604	3 4772.093	3 4866,581	3 4961.070	3 5024.343	3 5055.625	3 5151.079	3 5247.579	3 5344.992	3 5443.180	3 5542,007	3 5641.334	3 5741.023	3 5840.934	000.0065 0	0 5940.930
	0.00	0.000	0.000	0.000	0.000	0.000	0.000	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	221.083	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.142	4.284	6.427	8.569	10.711	12.853	14.995	17.138	19.111	19.111	19.111	19.111	19.111	19.111	19.111	18.403	16.261	14 119	11.976	9.834	7.692	5.550	3.408	1.265	0.000	0.000
3/20/24, 9:47 AM	3100.000	3200,000	3300.000	3400.000	3500.000	3600.000	3700.000	3800.000	3900.000	4000.000	4100.000	4200.000	4300.000	4400.000	4500.000	4592.107	4600.000	4700.000	4800.000	4900.000	5000.000	5066.964	5100.000	5200.000	5300.000	5400.000	5500.000	5600,000	5700.000	2800,000	2900.000	5959.070	000.0009
	eleas	ed t	o In	agi	ng:	9/6/.	202	4 10	:48:	·25 A	1 <i>M</i>																						

	-38.192 MWD+IFR1+MS	-38.280 MWD+IFR1+MS	-38.368 MWD+IFR1+MS	-38.455 MWD+IFR1+MS	-38.542 MWD+IFR1+MS	-38.627 MWD+IFR1+MS	-38.712 MWD+IFR1+MS	-38.796 MWD+IFR1+MS	-38.879 MWD+IFR1+MS	-38.961 MWD+IFR1+MS	-39.043 MWD+IFR1+MS	-39.124 MWD+IFR1+MS	-39.204 MWD+IFR1+MS	-39.283 MWD+IFR1+MS	-39.362 MWD+IFR1+MS	-39,440 MWD+IFR1+MS	-39.517 MWD+IFR1+MS	-39.594 MWD+IFR1+MS	-39.669 MWD+IFR1+MS	-39.745 MWD+IFR1+MS	-39.819 MWD+IFR1+MS	-39.893 MWD+IFR1+MS	-39.966 MWD+IFR1+MS	-40.039 MWD+IFR1+MS	-40.110 MWD+IFR1+MS	-40.182 MWD+IFR1+MS	-40.252 MWD+IFR1+MS	-40.322 MWD+IFR1+MS	-40.392 MWD+IFR1+MS	-40,461 MWD+IFR1+MS	-40.536 MWD+IFR1+MS	-43.758 MWD+IFR1+MS	121.026 MWD+IFR1+MS
	21.484	21.833	22.182	22.531	22.881	23.231	23.581	23.932	24.282	24.633	24.984	25.335	25.687	26.038	26.390	26.742	27.094	27.446	27.799	28.151	28.504	28.857	29.210	29.563	29.916	30.269	30.623	30.976	31.330	31.684	32.058	32.508	33.229
	23.973	24.297	24.622	24.948	25.275	25.603	25.931	26.261	26.591	26.921	27.253	27.585	27.918	28.252	28.586	28.921	29.256	29.592	29.928	30.265	30.602	30.940	31.279	31.617	31.957	32.296	32.636	32,977	33.318	33,659	34.022	34.417	35.484
Į,	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	7.969 0.000	8.105 0.000	8.243 0.000	8.384 0.000	8.528 0.000	8.673 0.000	8.822 0.000	8.973 0.000	9.126 0.000	9.283 0.000	9.442 0.000	9.603 0.000	000.0 297.6	9.934 0.000	10.104 0.000	10.277 0.000	10.452 0.000	10.630 0.000	10.811 0.000	10.995 0.000	11.181 0.000	11.370 0.000	11.563 0.000	11.758 0.000	11.956 0.000	12.157 0.000	12.361 0.000	12.568 0.000	12.777 0.000	12.990 0.000	13.219 0.000	13.435 0.000	13.773 0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	000.0	0.000	0.000	0.000	-0.000	-0.000
	23.053	23.382	23.712	24.042	24.373	24.705	25.038	25.372	25.706	26.041	26.376	26.712	27.049	27.386	27.724	28.062	28.400	28.740	29.079	29.419	29 760	30.101	30 442	30 784	31.126	31.468	31.811	32.154	32.498	32.842	33.207	33.530	33.855
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000
	22.468	22.810	23 153	23.496	23.839	24.183	24.527	24.872	25.217	25.562	25 908	26.254	26.601	26.947	27.294	27.642	27.989	28.337	28.686	29.034	29 383	29.731	30.081	30 430	30.779	31.129	31.479	31.829	32.180	32.530	32.902	33.345	34.265
	6040.930	6140.930	6240.930	6340.930	6440.930	6540.930	6640.930	6740.930	6840.930	6940.930	7040.930	7140.930	7240.930	7340.930	7440.930	7540.930	7640.930	7740.930	7840.930	7940.930	8040.930	8140.930	8240.930	8340.930	8440.930	8540.930	8640.930	8740,930	8840.930	8940.930	9046.800	9140.659	9238.561
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	179.641	179.641
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.530	15.530
3/20/24, 9:47 AM	6100.000	6200,000	6300,000	6400.000	6500.000	000'0099	6700.000	6800.000	6900.000	7000.000	7100.000	7200.000	7300.000	7400.000	7500.000	7600.000	7700.000	7800.000	7900.000	8000,000	8100.000	8200,000	8300.000	8400.000	8500.000	8600.000	8700.000	8800.000	8900.000	000'0006	9105.870	9200.000	9300.000

Released to Imaging: 9/6/2024 10:48:25 AM

	112.245 MWD+IFR1+MS	107.877 MWD+IFR1+MS	105.571 MWD+IFR1+MS	104.330 MWD+IFR1+MS	103.710 MWD+IFR1+MS	103.488 MWD+IFR1+MS	103.526 MWD+IFR1+MS	103.720 MWD+IFR1+MS	103.953 MWD+IFR1+MS	104.001 MWD+IFR1+MS	104.123 MWD+IFR1+MS	104.357 MWD+IFR1+MS	104.658 MWD+IFR1+MS	105.031 MWD+IFR1+MS	105.490 MWD+IFR1+MS	106.051 MWD+IFR1+MS	106.737 MWD+IFR1+MS	107.576 MWD+IFR1+MS	108.609 MWD+IFR1+MS	109.889 MWD+IFR1+MS	111.490 MWD+IFR1+MS	113.513 MWD+IFR1+MS	116.096 MWD+IFR1+MS	119.411 MWD+IFR1+MS	123.654 MWD+IFR1+MS	128.960 MWD+IFR1+MS	-44.761 MWD+IFR1+MS	-37.975 MWD+IFR1+MS	-31.421 MWD+IFR1+MS	-25.704 MWD+IFR1+MS	-21.046 MWD+IFR1+MS	-17.374 MWD+IFR1+MS	-14.502 MWD+IFR1+MS
	33.722	34.110	34.447	34.750	35.026	35.277	35.504	35.708	35.888	35.938	36.050	36.228	36.421	36.629	36.849	37.082	37.327	37.583	37.850	38.126	38.410	38.699	38.991	39.281	39.562	39.826	40.062	40.262	40.422	40.546	40.642	40.718	40.779
	36.690	37.808	38.766	39.537	40.120	40.524	40.773	40.898	40.940	40.944	40.947	40.954	40.963	40.973	40.986	41.000	41.017	41.037	41.060	41.088	41.122	41.163	41.215	41.281	41.368	41.484	41.640	41.843	42.097	42.397	42.736	43.106	43.500
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	14.323 0.000	15.143 0.000	16.250 0.000	17.625 0.000	19.218 0.000	20.965 0.000	22.801 0.000	24.661 0.000	26.484 0.000	26.599 0.000	26.737 0.000	26.925 0.000	27.136 0.000	27.368 0.000	27.621 0.000	27.893 0.000	28.185 0.000	28.495 0.000	28.823 0.000	29.169 0.000	29.531 0.000	29.910 0.000	30.304 0.000	30.713 0.000	31.137 0.000	31.574 0.000	32.025 0.000	32,488 0,000	32.964 0.000	33.451 0.000	33.949 0.000	34.458 0.000	34.978 0.000
	34.177 -0.000	34.490 -0.000	34.791 -0.000	35.078 -0.000	35.348 -0.000	35.599 -0.000	35.829 -0.000	36.036 -0.000	36.217 -0.000	36.265 -0.000	36.375 -0.000	36.551 -0.000	36.744 -0.000	36.951 -0.000	37.173 -0.000	37.410 -0.000	37.660 -0.000	37.924 -0.000	38.202 -0.000	38.493 -0.000	38.797 -0.000	39.114 -0.000	39.442 -0.000	39.783 -0.000	40.136 -0.000	40.500 -0.000	40.875 -0.000	41.261 -0.000	41.657 -0.000	42.064 -0.000	42.481 -0.000	42.907 -0.000	43.342 -0.000
	34.695 0.000	34.597 0.000	34.030 0.000	33.071 0.000	31.828 0.000	30.434 0.000	29.058 0.000	27.895 0.000	27.149 0.000	26.599 0.000	26.737 0.000	26.925 0.000	27.136 0.000	27.368 0.000	27.621 0.000	27.893 0.000	28.185 0.000	28.495 0.000	28.823 0.000	29.169 0.000	29.531 0.000	29.910 0.000	30.304 0.000	30.713 0.000	31.137 0.000	31.574 0.000	32.025 0.000	32.488 0.000	32.964 0.000	33.451 0.000	33.949 0.000	34.458 0.000	34.978 0.000
	9332.731 3	9421.336 3	9502,650 3	9575.092	9637.252 3	9687.919	9726.107	9751.074	9762.332	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997 3	9762.997 3	9762.997 3	9762.997	9762.997	9762.997 3	9762.997	9762.997 3	9762.997	9762.997	9762.997 3
	179.641	179 641	179 641	179 641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179 641	179.641	179.641	179.641	179 641	179.641	179.641	179.641	179.641	179 641	179.641	179 641	179 641	179 641	179.641	179.641	179.641	179.641	179.641	179.641	179 641	179.641
	23.530	31,530	39.530	47.530	55.530	63.530	71.530	79.530	87.530	90.000	90.000	90.000	000'06	90.000	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	90.000	90.000
3/20/24, 9:47 AM	9400.000	9500,000	000'0096	9700.000	9800.000	000'0066	10000.000	10100.000	10200.000	10230.870	10300.000	10400.000	10500.000	10600.000	10700.000	10800.000	10900.000	11000.000	11100.000	11200.000	11300.000	11400.000	11500.000	11600.000	11700.000	11800.000	11900.000	12000.000	12100.000	12200.000	12300.000	12400.000	12500.000
	eleas	ed t	o In	ıagi	ng:	9/6/.	2024	4 10	:48:	<b>25</b> A	1 <i>M</i>																						

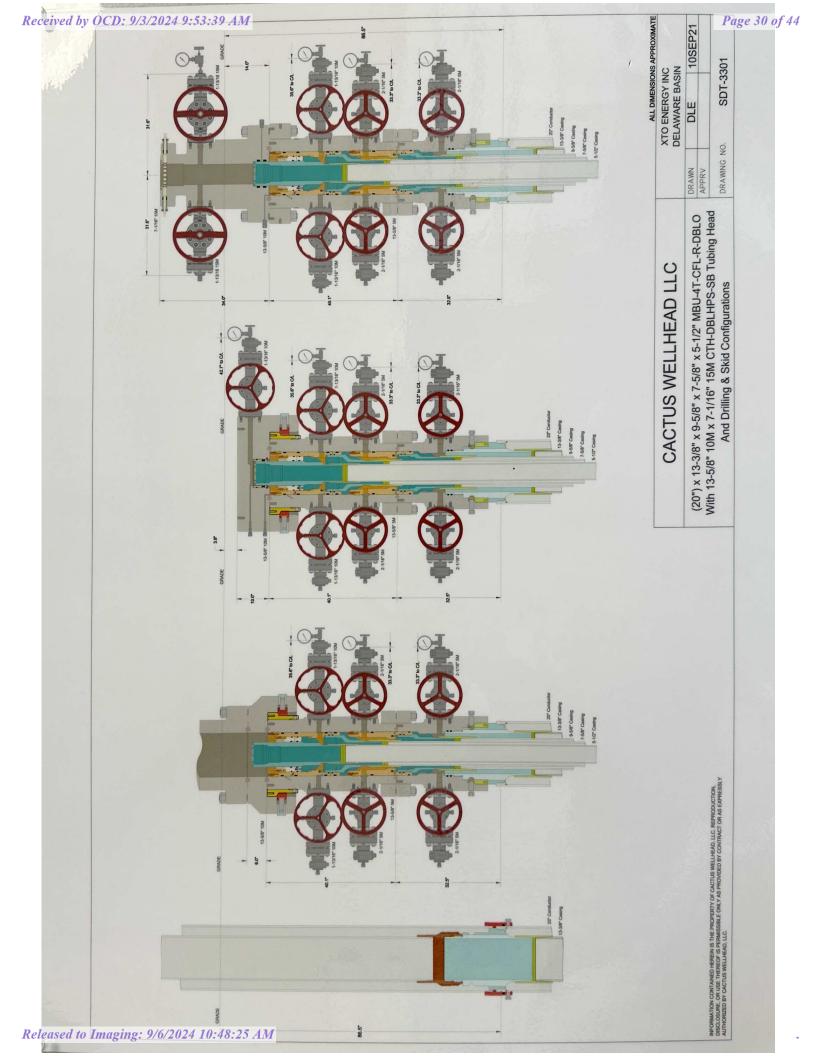
	-12.245 MWD+IFR1+MS	-10.449 MWD+IFR1+MS	-9.002 MWD+IFR1+MS	-7.820 MWD+IFR1+MS	-6.842 MWD+IFR1+MS	-6.023 MWD+IFR1+MS	-5.330 MWD+IFR1+MS	-4.739 MWD+IFR1+MS	-4.229 MWD+IFR1+MS	-3.787 MWD+IFR1+MS	-3.401 MWD+IFR1+MS	-3.062 MWD+IFR1+MS	-2.762 MWD+IFR1+MS	-2.495 MWD+IFR1+MS	-2.258 MWD+IFR1+MS	-2.045 MWD+IFR1+MS	-1.854 MWD+IFR1+MS	-1.681 MWD+IFR1+MS	-1.525 MWD+IFR1+MS	-1.383 MWD+IFR1+MS	-1.254 MWD+IFR1+MS	-1.136 MWD+IFR1+MS	-1.029 MWD+IFR1+MS	-0.930 MWD+IFR1+MS	-0.840 MWD+IFR1+MS	-0.757 MWD+IFR1+MS	-0.680 MWD+IFR1+MS	-0.609 MWD+IFR1+MS	-0.544 MWD+IFR1+MS	-0.484 MWD+IFR1+MS	-0.428 MWD+IFR1+MS	-0.376 MWD+IFR1+MS	-0.328 MWD+IFR1+MS
	40.830	40.874	40.914	40.950	40.984	41.016	41.046	41.076	41.105	41.134	41.163	41.191	41.219	41.248	41.277	41.306	41.335	41.364	41.394	41.424	41.454	41.485	41.516	41.548	41.580	41.612	41.645	41.678	41.712	41.746	41.780	41.815	41.851
	43.913	44.342	44.786	45.241	45.707	46.183	46.669	47.163	47.665	48.175	48.693	49.217	49.748	50.285	50.829	51.378	51.934	52.494	53.060	53.631	54.207	54.788	55.373	55.963	56.557	57.155	57.757	58,363	58.973	59.586	60.203	60.823	61.447
rt.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	35.507 0.000	36.045 0.000	36.592 0.000	37.148 0.000	37.712 0.000	38.283 0.000	38.863 0.000	39.449 0.000	40.042 0.000	40.641 0.000	41.247 0.000	41.859 0.000	42.476 0.000	43.099 0.000	43.727 0.000	44.360 0.000	44.998 0.000	45.640 0.000	46.287 0.000	46.938 0.000	47.593 0.000	48.252 0.000	48.915 0.000	49.581 0.000	50.251 0.000	50.923 0.000	51.600 0.000	52.279 0.000	52.961 0.000	53.645 0.000	54.333 0.000	55.023 0.000	55.716 0.000
	43.787 -0.000	44.240 -0.000	44.702 -0.000	45.172 -0.000	45.650 -0.000	46.136 -0.000	46.629 -0.000	47.130 -0.000	47.638 -0.000	48.152 -0.000	48.673 -0.000	49.201 -0.000	49.734 -0.000	50.274 -0.000	50.820 -0.000	51.371 -0.000	51.927 -0.000	52.489 -0.000	53.056 -0.000	53.628 -0.000	54.204 -0.000	54.786 -0.000	55.371 -0.000	55.961 -0.000	56.556 -0.000	57.154 -0.000	57.756 -0.000	58.363 -0.000	58.973 -0.000	59.586 -0.000	60.203 -0.000	60.823 -0.000	61.447 -0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	35.507	36.045	36.592	37.148	37.712	38.283	38.863	39.449	40.042	40.641	41.247	41.859	42.476	43.099	43.727	44 360	44.998	45.640	46.287	46.938	47.593	48.252	48.915	49 581	50 251	50.923	51.600	52.279	52 961	53.645	54.333	55 023	55.716
	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997
	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179 641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179 641	179 641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641
	90.000	000'06	000.06	000.06	000.06	90.000	90.000	90.000	90.000	90.000	90.000	000'06	000'06	000.06	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	90.000	000.06
3/20/24, 9:47 AM	12600.000	12700.000	12800.000	12900.000	13000.000	13100.000	13200.000	13300.000	13400.000	13500.000	13600.000	13700.000	13800.000	13900.000	14000.000	14100.000	14200.000	14300.000	14400.000	14500.000	14600.000	14700.000	14800.000	14900.000	15000.000	15100.000	15200.000	15300.000	15400.000	15500.000	15600.000	15700.000	15800.000

90.000 178						-0.000	<del>-</del>		62.074	41.887	
179.641 976 179.641 976	976 376	9762.997 9762.997	57.108 57.808	0.000	62.704 63.336	-0.000	57.108     0.000       57.808     0.000	0.000	62.704	41.923 41.960	-0.241 MWD+IFR1+MS -0.202 MWD+IFR1+MS
179.641 976	326	9762.997	58.510	0.000	63.972	-0.000	58.510 0.000	0.000	63.972	41.997	-0.166 MWD+IFR1+MS
179.641 9762	3762	9762.997	59.214	0.000	64.611	0.000	59.214 0.000	0.000	64.611	42.035	-0.133 MWD+IFR1+MS
179.641 976	926	9762.997	59.919	0.000	65.252	0.000	59.919 0.000	0.000	65.252	42.074	-0.101 MWD+IFR1+MS
179.641 976	976	9762.997	60.627	0.000	65.896	0.000	60.627 0.000	0.000	65.896	42.112	-0.072 MWD+IFR1+MS
179.641 976	926	9762.997	61.337	0.000	66.543	-0.000	61.337 0.000	0.000	66.543	42.151	-0.044 MWD+IFR1+MS
179.641 976	926	9762.997	62.048	0.000	67.192	-0.000	62.048 0.000	0.000	67.192	42.191	-0.019 MWD+IFR1+MS
179.641 9762	326	9762.997	62.762	0.000	67.843	-0.000	62.762 0.000	0.000	67.844	42.231	0.005 MWD+IFR1+MS
179.641 9762	3762	9762.997	63.477	0.000	68.497	-0.000	63.477 0.000	0.000	68.498	42.272	0.028 MWD+IFR1+MS
179.641 9762	3762	9762.997	64.193	0.000	69.153	-0.000	64 193 0 000	0.000	69.154	42.313	0.048 MWD+IFR1+MS
179.641 9762.997	3762		64.911	0.000	69.811	-0.000	64.911 0.000	0.000	69.813	42.355	0.068 MWD+IFR1+MS
179.641 9762.997	3762		65.631	0.000	70.472	-0.000	65.631 0.000	0.000	70.473	42.397	0.086 MWD+IFR1+MS
179.641 9762.997	3762		66.352	0.000	71.135	-0.000	66.352 0.000	0.000	71.136	42.439	0.104 MWD+IFR1+MS
179.641 9762.997	3762		67.075	0.000	71.799	-0.000	67.075 0.000	0.000	71.801	42.482	0.120 MWD+IFR1+MS
179.641 9762.997	3762		62.79	0.000	72.466	-0.000	000.0 667.79	0.000	72.468	42.525	0.135 MWD+IFR1+MS
179.641 9762.997	3762		68.524	0.000	73.135	-0.000	68.524 0.000	0.000	73.136	42.569	0.149 MWD+IFR1+MS
179.641 9762.997	3762		69.251	0.000	73.805	-0.000	69.251 0.000	0.000	73.807	42.614	0.162 MWD+IFR1+MS
179.641 9762.997	3762		826.69	0.000	74 477	-0.000	000.0 876.69	0.000	74.480	42.659	0.175 MWD+IFR1+MS
179.641 9762.997	3762		70.708	0.000	75.152	-0.000	70.708 0.000	0.000	75.154	42.704	0.186 MWD+IFR1+MS
179.641 9762.997	3762		71.438	0.000	75.827	-0.000	71.438 0.000	0.000	75.830	42.750	0.197 MWD+IFR1+MS
179.641 9762	3762	9762.997	72.169	0.000	76.505	-0.000	72.169 0.000	0.000	76.508	42.796	0.207 MWD+IFR1+MS
179.641 9762	3762	9762.997	72.902	0.000	77.184	-0.000	72.902 0.000	0.000	77.187	42.842	0.217 MWD+IFR1+MS
179.641 9762.997	3762		73.635	0.000	77.865	-0.000	73.635 0.000	0.000	77.868	42.890	0.226 MWD+IFR1+MS
179.641 9762.997	3762		74.370	0.000	78.547	-0.000	74.370 0.000	0.000	78.550	42.937	0.234 MWD+IFR1+MS
179.641 9762.997	3762		75.106	0.000	79.231	-0.000	75.106 0.000	0.000	79.234	42.985	0.242 MWD+IFR1+MS
179.641 9762.997	3762		75.842	0.000	79.917	-0.000	75.842 0.000	0000	79,920	43.034	0.250 MWD+IFR1+MS
179.641 9762.997	3762	766	76.580	0.000	80.603	-0.000	76.580 0.000	0.000	80.607	43.083	0.256 MWD+IFR1+MS
179.641 9762	3926	9762.997	77.318	0.000	81.292	-0.000	77.318 0.000	0.000	81.295	43.132	0.263 MWD+IFR1+MS
179.641 9762	3762	9762.997	78.058	0.000	81.981	-0.000	78.058 0.000	0.000	81.985	43.182	0.269 MWD+IFR1+MS
179.641 9762	3926	9762.997	78.798	0.000	82.672	-0.000	78.798 0.000	0.000	82.676	43.232	0.274 MWD+IFR1+MS
179.641 9762.997	3762		79 539	0.000	83.364	-0.000	79.539 0.000	0.000	83.368	43.283	0.279 MWD+IFR1+MS

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	34 MWD+IFR1+MS	39 MWD+IFR1+MS	33 MWD+IFR1+MS	37 MWD+IFR1+MS	00 MWD+IFR1+MS	34 MWD+IFR1+MS	7 MWD+IFR1+MS	99 MWD+IFR1+MS	12 MWD+IFR1+MS	14 MWD+IFR1+MS	16 MWD+IFR1+MS	18 MWD+IFR1+MS	20 MWD+IFR1+MS	22 MWD+IFR1+MS	23 MWD+IFR1+MS	24 MWD+IFR1+MS	25 MWD+IFR1+MS	26 MWD+IFR1+MS	27 MWD+IFR1+MS	28 MWD+IFR1+MS	28 MWD+IFR1+MS	29 MWD+IFR1+MS	28 MWD+IFR1+MS	28 MWD+IFR1+MS	27 MWD+IFR1+MS	27 MWD+IFR1+MS							
	0.284	0.289	0.293	0.297	0.300	0.304	0.307	0.309	0.312	0.314	0.316	0.318	0.320	0.322	0.323	0.324	0.325	0.326	0.327	0.328	0.328	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.328	0.328	0.327	0.327
	43.334	43.386	43.438	43.490	43.543	43.597	43.650	43.705	43.759	43.814	43.870	43.926	43.982	44.039	44.097	44.154	44.212	44.271	44.330	44.389	44.449	44.509	44.570	44.631	44.692	44.754	44.816	44.879	44.942	45.005	45.069	45.133	45.198
	84.062	84.757	85.453	86.150	86.848	87.548	88.249	88.950	89.653	90.357	91.061	91.767	92.474	93.182	93.890	94.599	95.310	96.021	96.733	97.446	98.159	98.874	99.589	100,305	101.021	101.738	102.456	103,175	103.894	104.614	105.335	106.056	106.778
Ħ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0000	0.000	0.000	0.000
Well Plan Report	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well	80.281	81.024	81.767	82.512	83.257	84.003	84.749	85.496	86.244	86.993	87.742	88.492	89.242	89.993	90.745	91.497	92.249	93.002	93.756	94.510	95.265	96.020	96.776	97.532	98.288	99.045	99.803	100.561	101.319	102.077	102.836	103.596	104.356
	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	000.0-	-0.000	000.0-	-0.000	-0.000	0.000
	84.058	84.753	85.449	86.146	86.844	87.544	88.244	88.946	89.648	90.352	91.057	91.762	92.469	93 176	93.885	94.594	95.304	96.015	96.727	97 440	98.154	98.868	99.583	100.299	101.015	101.733	102.450	103.169	103.888	104.608	105.329	106.050	106.772
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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 1	0.000	0.000	0.000	0.000	0.000
	80.281	81.024	81.767	82.512	83.257	84.003	84.749	85.496	86.244	86.993	87.742	88.492	89.242	89.993	90.745	91.497	92.249	93.002	93.756	94.510	95.265	96.020	96.776	97.532	98.288	99.045	99.803	100,561	101.319	102.077	102 836	103 596	104.356
	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997	9762.997
	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641	179.641
	90.000	90.000	000.06	90.000	000'06	000'06	90.000	90.000	90.000	90.000	90.000	000'06	000'06	000'06	000'06	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	000'06	000'06	90.000	90.000	000'06	90.000	000'06	90.000	90.000	90.000
3/20/24, 9:47 AM	19200.000	19300.000	19400.000	19500.000	19600.000	19700.000	19800.000	19900.000	20000.000	20100.000	20200.000	20300.000	20400.000	20500.000	20600.000	20700.000	20800.000	20900.000	21000.000	21100.000	21200.000	21300.000	21400.000	21500.000	21600.000	21700.000	21800.000	21900.000	22000.000	22100.000	22200.000	22300.000	22400.000

3/20/24, 9:47 AM								Wei	Well Plan Report	+			
22501.029	90.000	179.641	9762.997	105.124	0.000	107.502	-0.000	107.502 -0.000 105.124 0.000	0.000	0.000	107.508	45.264	0.326 MWD+IFR1+MS
22591.032	90.000	179.641	9762.997	105.808	0.000	108.152	-0.000	108.152 -0.000 105.808 0.000	0.000	0.000	108.159	45.323	0.326 MWD+IFR1+MS
o Ima													
Plan Targets			Poker Lake Unit 21 DTD South	Unit 21 DTI	•	108H							
· Q//			~	Measured Depth	)epth		Grid	<b>Grid Northing</b>	_	<b>Grid Easting</b>	sting	TVD MSL	TVD MSL Target Shape
Target Name					<b>(£</b>			(ft)	_		(#)	(#)	
9 d L d				66	9999.04		4	440449.30		6406	640683.50	6336.00	6336.00 RECTANGLE
9 THS				126	9762.73		4	440755.44		6408	640982.73	5931.00	5931.00 RECTANGLE
9 dI7				225	22501.03		4	427463.20		6407	640764.80	6336.00	6336.00 RECTANGLE
9 THR				225	22591.03		4	427373.20		6407	640765.30	6336.00	6336.00 RECTANGLE





# 5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ $^{ m @}$	
Minimum Yield Strength	110,000	_	psi
Maximum Yield Strength	125,000	_	psi
Minimum Tensile Strength	125,000	_	psi
IMENSIONS	Pipe	USS-FREEDOM HTQ <sup>®</sup>	
Outside Diameter	5.500	6.300	in.
Wall Thickness	0.361		in.
Inside Diameter	4.778	4.778	in.
Standard Drift	4.653	4.653	in.
Alternate Drift			in.
Nominal Linear Weight, T&C	20.00		lb/ft
Plain End Weight	19.83		lb/ft
ECTION AREA	Pipe	USS-FREEDOM HTQ <sup>®</sup>	
Critical Area	5.828	5.828	sq. in.
Joint Efficiency	_	100.0	%
ERFORMANCE	Pipe	USS-FREEDOM HTQ <sup>®</sup>	
Minimum Collapse Pressure	11,100	11,100	psi
Minimum Internal Yield Pressure	12,640	12,640	psi
Minimum Pipe Body Yield Strength	641,000		lb
Joint Strength		641,000	lb
Compression Rating		641,000	lb
Reference Length [4]		21,370	ft
Maximum Uniaxial Bend Rating [2]		91.7	deg/100 ft
AKE-UP DATA	Pipe	USS-FREEDOM HTQ <sup>®</sup>	
Make-Up Loss		4.13	in.
Minimum Make-Up Torque [3]		15,000	ft-lb
Maximum Make-Up Torque [3]		21,000	ft-lb
Maximum Operating Torque[3]		29,500	ft-lb

### **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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# 5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-TALON HTQ™ RD

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	_	psi	_
Maximum Yield Strength	125,000	_	psi	_
Minimum Tensile Strength	125,000	_	psi	-
DIMENSIONS	Pipe	USS-TALON HTQ™ RD		_
Outside Diameter	5.500	5.900	in.	_
Wall Thickness	0.361		in.	_
Inside Diameter	4.778	4.778	in.	_
Standard Drift	4.653	4.653	in.	_
Alternate Drift	_		in.	_
Nominal Linear Weight, T&C	20.00		lb/ft	_
Plain End Weight	19.83		lb/ft	_
SECTION AREA	Pipe	USS-TALON HTQ™ RD		-
Critical Area	5.828	5.828	sq. in.	
Joint Efficiency		100.0	%	[2]
PERFORMANCE	Pipe	USS-TALON HTQ™ RD		-
Minimum Collapse Pressure	11,100	11,100	psi	
Minimum Internal Yield Pressure	12,640	12,640	psi	
Minimum Pipe Body Yield Strength	641,000		lb	
Joint Strength		641,000	lb	
Compression Rating		641,000	lb	
Reference Length		21,370	ft	[5]
Maximum Uniaxial Bend Rating		91.7	deg/100 ft	[3]
MAKE-UP DATA	Pipe	USS-TALON HTQ™ RD		-
Make-Up Loss		5.58	in.	<u></u>
Minimum Make-Up Torque		17,000	ft-lb	[4]
Maximum Make-Up Torque		20,000	ft-lb	[4]
Maximum Operating Torque		39,500	ft-lb	[4]

### **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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### 10,000 PSI Annular BOP Variance Request

XTO Energy/XTO Permian Op. request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOPL).

### 1. Component and Preventer Compatibility Tables

The tables below outline the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

		8-1/2" Produc 10M psi l	ction Hole Sect Requirement	tion	
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP
Drillpipe	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
HWDP	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
Jars	6.500"	Annular	5M	-	-
DCs and MWD tools	6.500"-8.000"	Annular	5M	-	-
Mud Motor	6.750"-8.000"	Annular	5M	-	-
Production Casing	5-1/2"	Annular	5M	-	-
Open-Hole	-	Blind Rams	10M	-	-

### 2. 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 43.CFR.3172 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

- a. Sound alarm (alert crew)
- b. Stab crossover and full-opening safety valve and close
- c. Space out string
- d. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
- e. Confirm shut-in
- f. Notify toolpusher/company representative
- g. Read and record the following:
  - a. SIDPP & SICP
  - b. Pit gain
  - c. Time
- h. Regroup and identify forward plan
- i. 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



**GATES ENGINEERING & SERVICES NORTH AMERICA** 

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NEW CHOKE HOSE

INSTAUED 02-10-2024

# CERTIFICATE OF CONFORMANCE

This is to verify that the items detailed below meet the requirements of the Customer's Purchase Order referenced herein, and are in Conformance with applicable specifications, and that Records of Required Tests are on file and subject to examination. The following items were inspected and hydrostatically tested at **Gates Engineering & Services North America** facilities in Houston, TX, USA.

CUSTOMER:	
-----------	--

NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA

CUSTOMER P.O.#:

15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)

CUSTOMER P/N:

IMR RETEST SN 74621 ASSET #66-1531

PART DESCRIPTION:

RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K

FLANGES

SALES ORDER #:

529480

QUANTITY:

- 1

SERIAL #:

74621 H3-012524-1

SIGNATURE: 7. CUSTUSE

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

# H3-15/16



1/25/2024 11:48:06 AM

# TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number:

H3-012524-1

Production description:

74621/66-1531

Lot number: Description:

74621/66-1531

Sales order #:

529480

Customer reference:

FG1213

Hose ID: Part number: 3" 16C CK

TEST INFORMATION

Test procedure:

GTS-04-053

15000.00 psi Fitting 1: Part number: 3.0 x 4-1/16 10K

Test pressure: Test pressure hold:

3600.00

sec psi

sec

Description:

Work pressure: Work pressure hold:

Length difference:

10000.00

Fitting 2:

Part number:

Length difference:

0.00 0.00

900.00

% inch

Description:

3.0 x 4-1/16 10K

Visual check:

Pressure test result:

PASS

Length measurement result:

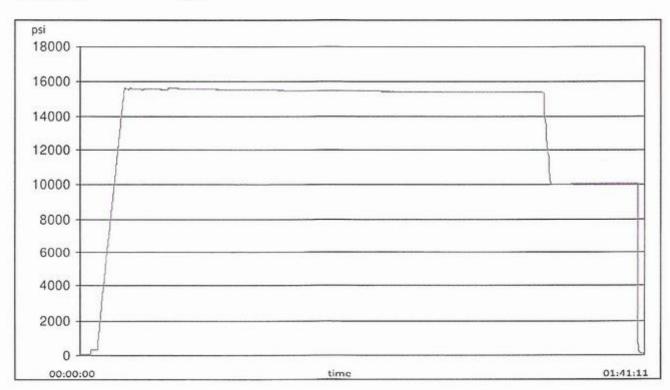
Length:

45

feet

Test operator:

Travis





H3-15/16

1/25/2024 11:48:06 AM

# **TEST REPORT**

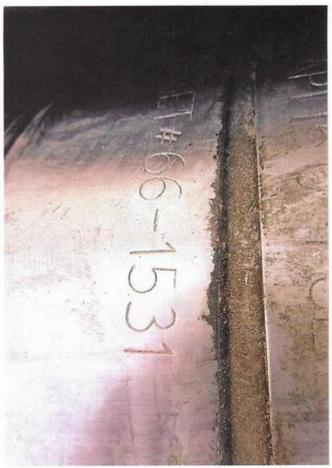
### **GAUGE TRACEABILITY**

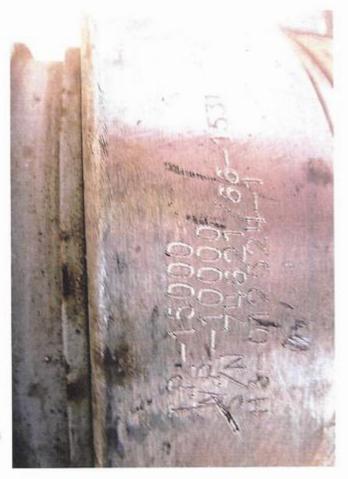
Serial number	Calibration date	Calibration due date
110D3PHO	2023-06-06	2024-06-06
110IQWDG	2023-05-16	2024-05-16
	110D3PHO	110D3PHO 2023-06-06



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Phone: (575) 393-6161 Fax: (575) 393-0720

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

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 380000

### **CONDITIONS**

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	380000
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

### CONDITIONS

Creat	ted By		Condition Date
war	d.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	
war	d.rikala	Operator must comply with all requirement of the R-111-Q.	9/6/2024