Page 1 of 49

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

Well Name: POKER LAKE UNIT 15

TWR

Well Location: T24S / R31E / SEC 22 /

NWNW / 32.208748 / -103.772647

County or Parish/State: EDDY /

NM

Well Number: 114H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0506A

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number: 3001554167 Operator: XTO PERMIAN OPERATING

LLC

Notice of Intent

Sundry ID: 2823639

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/20/2024

Time Sundry Submitted: 01:38

Date proposed operation will begin: 12/18/2024

Procedure Description: Poker Lake Unit 15 TWR 114H SUNDRY LANGUAGE XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, KOP, FTP, LTP, BHL, Proposed total Depth, and Pool Code. There is no new surface disturbance. There is a dedicated acreage change. FROM: TO: SHL:490' FNL & 490' FWL OF SECTION 22-T24S-R31E 510' FNL & 490' FWL OF SECTION 22-T24S-R31E 616' FSL & 291' FEL OF SECTION 16-T24S-R31E FTP: 330' FNL & 550' FWL OF SECTION 22-T24S-R31E 100' FNL & 290' FEL OF SECTION 21-T24S-R31E LTP: 2540' FNL & 550' FWL OF SECTION 34-T24S-R31E 100' FSL & 290' FEL OF SECTION 28-T24S-R31E BHL: 2590' FNL & 550' FWL OF SECTION 34-T24S-R31E 50' FSL & 290' FEL OF SECTION 28-T24S-R31E The proposed total depth is changing from 23291' MD; 10128' TVD (2nd Bone Spring SS) to 19919' MD; 8917' TVD (Avalon). There is a Pool Code change from 96403/Wildcat; Bone Spring to 96546/Cotton Draw; Bone Spring, South. A saturated salt brine will be utilized while drilling through the salt formations.

NOI Attachments

Procedure Description

PLU 15 TWR 114H Sundry Attachments 20241210105051.pdf

Received by OCD: WENDERS FLOKER PAME UNIT 15

T 15 Well Location: T24S / R31E / SEC 22 / NWNW / 32.208748 / -103.772647

County or Parish/State: EDDY /

Page 2 of 49

NM

Well Number: 114H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0506A

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number: 3001554167

Operator: XTO PERMIAN OPERATING

LLC

Conditions of Approval

Additional

PLU_15_TWR_114H_306H_214H_COA_20241213141306.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: SAMANTHA WEIS Signed on: DEC 10, 2024 10:51 AM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Advisor

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (832) 625-7361

Email address: SAMANTHA.R.BARTNIK@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234 BLM POC Email Address: cwalls@blm.gov

Disposition: Approved **Disposition Date:** 02/04/2025

Signature: Chris Walls

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

DEI	AKTIMENT OF THE INTERIOR		2	P
BUR	EAU OF LAND MANAGEMENT	5	5. Lease Serial No.	NMNM0506A
Do not use this t	IOTICES AND REPORTS ON W form for proposals to drill or to Use Form 3160-3 (APD) for suc	o re-enter an	5. If Indian, Allottee or Tribe	Name
SUBMIT IN	TRIPLICATE - Other instructions on pag	ie 2	7. If Unit of CA/Agreement,	
1. Type of Well		-	POKER LAKE UNIT/NMNM71016 3. Well Name and No.	X
✓ Oil Well Gas W	_		POKER LAKE UNIT 15 TWR/114H	
2. Name of Operator XTO PERMIAN	OPERATING LLC	Ş	9. API Well No. 300155416	7
3a. Address 6401 HOLIDAY HILL R	OAD BLDG 5, MIDLAND, 3b. Phone No. (432) 683-22	'	10. Field and Pool or Explora Wildcat; Bone Spring	atory Area
4. Location of Well (Footage, Sec., T., R SEC 22/T24S/R31E/NMP	R.,M., or Survey Description)		1. Country or Parish, State EDDY/NM	
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF	NOTICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION		ТҮРЕ С	OF ACTION	
✓ Notice of Intent	Acidize Deep		Production (Start/Resume)	
		raulic Fracturing	☐ Reclamation	Well Integrity
Subsequent Report		Construction	Recomplete Temporarily Abandon	Other
Final Abandonment Notice		and Abandon Back	Water Disposal	
KOP, FTP, LTP, BHL, Propose FROM: TO: SHL:490' FNL & 490' FWL OF KOP:490 FNL & 490 FWL OF FTP: 330' FNL & 550' FWL OF	respectfully requests approval to make ed total Depth, and Pool Code. There is SECTION 22-T24S-R31E 510' FNL & 4 SECTION 22-T24S-R31E 616 FSL & 29 F SECTION 22-T24S-R31E 100' FNL & 30 F SECTION 34-T24S-R31E 100' FSL &	no new surface distu 490' FWL OF SECTION 91 FEL OF SECTION 290' FEL OF SECTION	urbance. There is a dedica ON 22-T24S-R31E N 16-T24S-R31E ON 21-T24S-R31E	,
Continued on page 3 additiona				
 I hereby certify that the foregoing is SAMANTHA WEIS / Ph: (832) 625- 	true and correct. Name (<i>Printed/Typed</i>) -7361	Permitting Ad	visor	
Signature (Electronic Submissic	on)	Date	12/10/2	2024
	THE SPACE FOR FED	ERAL OR STAT	E OFICE USE	
Approved by				
CHRISTOPHER WALLS / Ph: (578	5) 234-2234 / Approved	Petroleu Title	m Engineer	02/04/2025 Date
	hed. Approval of this notice does not warran equitable title to those rights in the subject le duct operations thereon.		SBAD	
Title 19 II C C Section 1001 and Title 4	2 II C C Section 1212, make it a seiter feet		nd willfully to make to any d	langertmant or account of the Unit-1 Ct-t

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

BHL: 2590' FNL & 550' FWL OF SECTION 34-T24S-R31E 50' FSL & 290' FEL OF SECTION 28-T24S-R31E

The proposed total depth is changing from 23291 MD; 10128 TVD (2nd Bone Spring SS) to 19919 MD; 8917 TVD (Avalon).

There is a Pool Code change from 96403/Wildcat; Bone Spring to 96546/Cotton Draw; Bone Spring, South.

A saturated salt brine will be utilized while drilling through the salt formations.

Location of Well

0. SHL: NWNW / 490 FNL / 490 FWL / TWSP: 24S / RANGE: 31E / SECTION: 22 / LAT: 32.208748 / LONG: -103.772647 (TVD: 0 feet, MD: 0 feet) PPP: NWNW / 330 FNL / 550 FWL / TWSP: 24S / RANGE: 31E / SECTION: 22 / LAT: 32.209189 / LONG: -103.772454 (TVD: 10106 feet, MD: 10500 feet) PPP: NWNW / 330 FNL / 550 FWL / TWSP: 24S / RANGE: 31E / SECTION: 27 / LAT: 32.20916 / LONG: -103.77241 (TVD: 10115 feet, MD: 15800 feet) BHL: SWNW / 2590 FNL / 550 FWL / TWSP: 24S / RANGE: 31E / SECTION: 34 / LAT: 32.173942 / LONG: -103.772391 (TVD: 10128 feet, MD: 23291 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO

LEASE NO.: NMNM0506A

LOCATION: Sec. 22, T.24 S, R 31 E

COUNTY: Eddy County, New Mexico

WELL NAME & NO.: Poker Lake Unit 15 TWR 114H

SURFACE HOLE FOOTAGE: 510'/N & 490'/W **BOTTOM HOLE FOOTAGE:** 50'/S & 290'/E

WELL NAME & NO.: Poker Lake Unit 15 TWR 306H

SURFACE HOLE FOOTAGE: 461'/N & 1319'/E **BOTTOM HOLE FOOTAGE:** 50'/S & 530'/E

WELL NAME & NO.: Poker Lake Unit 15 TWR 214H

SURFACE HOLE FOOTAGE: 521'/N & 2282'/W **BOTTOM HOLE FOOTAGE:** 50'/S & 1660'/E

Changes approved through engineering via **Sundry 2823639,2823631,2823630,** on 12-12-2024 . Any previous COAs not addressed within the updated COAs still apply.

COA

H ₂ S	•	No	0	Yes
Potash /	None	Secretary	🧖 R-111-Q	Open Annulus
WIPP	Choose	e an option (including bla	nk option.)	□ WIPP
Cave / Karst	O Low	Medium	🖰 High	Critical
Wellhead	Conventional	Multibowl	Both	Diverter
Cementing	Primary Squeeze	Cont. Squeeze	Echo Meter	DV Tool
Special Req	Capitan Reef	Water Disposal	□ COM	Unit
Waste Prev.	C Self-Certification	C Waste Min. Plan	APD Submitted p	prior 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.

B. CASING

- 1. The 9-5/8 inch surface casing shall be set at approximately 775 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 6994-7028'.
 - 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. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Operator has proposed to pump down Surface X Intermediate 1 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.

- 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 **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

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 Production casing tieback. Operator may contact approving engineer to discuss changing casing 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 2nd 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 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. 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.

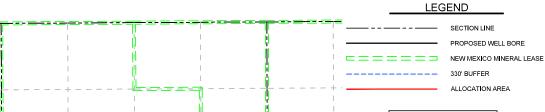
Approved by Zota Stevens on 12/13/2024 575-234-5998 / zstevens@blm.gov

	02					al Resources Departmer	ıt		Re	evised July, 09
	t electronically CD Permitting			OIL	L CONVERS	ION DIVISION				
									☐ Initial Sub	nittal
								Submital Type:		Report
									☐ As Drilled	
			•		WELL LOCA	TION INFORMATION		•		
API Nu		5- 54167	Pool Code	96546	3	Pool Name	N DRAW;	BONE S	PRING, SOU	тн
Propert	ty Code		Property N	ame	POKER I	AKE UNIT 15 TWR			Well Number	114H
OGRIE	O No. 37307	, E	Operator N	lame					Ground Level	
Surface		State □Fee □		deral	XIO PERIMIA	Mineral Owner:		☐Tribal 🗵		1,522
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
		Î	-						_	
D	22	248	31E		510 FNL	490 FWL	32.208	1093	-103.772647	EDDY
	1		1_			m Hole Location	1 -			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
Р	28	24S	31E		50 FSL	290 FEL	32.181	197	-103,775119	EDDY
Dedica	ited Acres	Infill or Defi	ning Well	Defining	g Well API	Overlapping Spacing	Unit (Y/N)	Consolida	tion Code	
6	40.00	INF	FILL	30	-015-47225	N			U	
Order?	Numbers.	I				Well Setbacks are un	der Common O)wnership	✓ Yes ☐ No	
Order	Nullibers.					Well Setbacks are till	der Common C	wiicisiiip.	M 162 🗆 100	
					Kick	Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
P	16	248	31E		616 FSL	291 FEL	32.211	787	-103.775173	EDDY
					First 7	Take Point (FTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
Α	21	248	31E		100 FNL	290 FEL	32,209	818	-103.775170	EDDY
					I47	Take Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
Р	28	248	31E		100 FSL	290 FEL	32,181		-103.775119	EDDY
<u>.</u>		240			100102	230111	02.101	004	-100.775115	LDD1
TT. 1-1	ed Area of Are	ea of Interest								
∪nıtıze						_	Groun	nd Elevatior	ı	
Unitize	NMNN	1105422429)	Spacing U	nit Type : Hori	zontal Vertical	Grou	nd Elevatior	3,522'	
	NMNN ATOR CERTI	1105422429) 	Spacing U	nit Type: ⊠Hori	zontal		nd Elevation		
OPERA I hereb best of that this	ATOR CERTI by certify that is my knowledge is organization	ITO5422429 FICATIONS the information of and belief, and the of the owns are owns are of the owns are of the owns are of the owns are of the owns.	contained her d, if the well is working interd	rein is true an evertical or a est or unlease	nd complete to the directional well, ed mineral interest	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my	CATIONS well location sh	hown on this	3,522'	
OPERA I hereby best of that this in the lo at this i unlease	ATOR CERTI The properties of the second sec	FICATIONS the information e and belief, and either owns a the proposed but the proposed to the protocont or a contracterest, or a volumerest, or a volumerest, or a volumerest.	contained her d, if the well is working interv ottom hole loc ct with an own ntary pooling o	rein is true an evertical or c est or unleass action or has aer of a work agreement or	nd complete to the directional well, ed mineral interest a right to drill this ting interest or	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my	CATIONS well location sh	hown on this	3,522' s plat was plotted y	ne is true and
OPERA I hereb best of that this in the lo at this i unlease pooling	ATOR CERTI my knowledge is organization and including location purst ed mineral into g order of here	FICATIONS the information e and belief, and e either owns a the proposed b tant to a contra- erest, or a volu- etofore entered	contained hei d, if the well is working intere ottom hole loc ct with an own utary pooling of by the division	vein is true an evertical or of est or unlease ation or has ner of a work agreement on	nd complete to the directional well, ed mineral interest a right to drill this ing interest or r a compulsory	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my	CATIONS well location sh	hown on this	3,522' s plat was plotted y	
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OPERA I hereb best of that this is unlease pooling If this v unlease which a comput	ATOR CERTI by certify that is my knowledge is organization and including location pursu ad mineral inte g order of here well is a horize any part of the lsory pooling of the consent any part of the lsory pooling of the consent any part of the sory pooling of the consent any part of the sory pooling of the consent any part of the sory pooling of the consent any part of the the consent any part of the the consent any part of the sory pooling of the consent any part of the the	FICATIONS the information e and belief, an either own a the proposed beam to a contraction of a volumetofore entered ontal well, I fur, of at least one levest in each tree well's complete order from the contraction of the	contained her I, if the well is working intere totom hole loc ct with an own thary pooling a by the divisior ther certify the essee or owne cet (in the targ ed interval widivision.	vein is true as vertical or a vertical or a vertical or a vertical or a vertical or fastion or has the region of a work agreement or a vertical or in this organization of a working to pool or in the located	nd complete to the directional well, ed mineral interest a right to drill this ing interest or r a compulsory ization has ng interest or formation) in	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my	CATIONS well location sh me or under my belief ofessional Surv	hown on this	3,522' s plat was plotted to an and that the san DILLON	ne is true and
OPERA I hereb, best of best of that this in the le at this b undease pooling If this v receive which a compul Sama Sama Sama	ATOR CERTI ny certify that is my knowledge to organization and including location pursi g order of here well is a horize the consent ed mineral inte any part of the lsory pooling of the manth une antha We I Name antha.r.ba	FICATIONS the information e and belief, an either own a the proposed beam to a contraction of a volumetofore entered ontal well, I fur, of at least one levest in each tree well's complete order from the contraction of the	contained her l, if the well is working inter- ottom hole loc ct with an ow- tary pooling is by the division ther certify the lessee or owne tect (in the targ ed interval wil division. 11/11 Date	vertical or a vertical or or has a vertical or or has a vertical or or has a vertical or or a vertical or or in this organization or in the located	nd complete to the directional well, ed mineral interest a right to drill this ing interest or r a compulsory ization has ng interest or formation) in	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my Signature and Seal of Pr	CATIONS well location sh me or under my belief ofessional Surv	bown on this supervision	3,522' s plat was plotted fin, and that the san DILLON 23786 23786	ne is true and
OPERA I hereb, best of best of that this in the le at this b undease pooling If this v receive which a compul Sama Sama Sama	ATOR CERTI ny certify that is my knowledge to organization and including location pursi g order of here well is a horize the consent ed mineral inte any part of the lsory pooling of the manth ure antha We I Name	FICATIONS the information e and belief, am either owns a the proposed beam to a contraction of a least one least one test of the erest in each traction of at least one least one for event of a Campletorder from the action of the end of the en	contained her l, if the well is working inter- ottom hole loc ct with an ow- tary pooling is by the division ther certify the lessee or owne tect (in the targ ed interval wil division. 11/11 Date	vertical or a vertical or or has a vertical or or has a vertical or or has a vertical or or a vertical or or in this organization or in the located	nd complete to the directional well, ed mineral interest a right to drill this ing interest or r a compulsory ization has ng interest or formation) in	SURVEYOR CERTIFIC I hereby certify that the actual surveys made by correct to the best of my Signature and Seal of Pr	CATIONS well location sh me or under my belief ofessional Surv	bown on this supervision	3,522' s plat was plotted fin, and that the san DILLON 23786 23786	ture and

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other then the First Take Point and Last Take Point) that is closest to any outer boundary of the tract.

Surveyor shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land in not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



	LINE TAB	LE
LINE	AZIMUTH	LENGTH
L1	324*55'49"	1,370.00'
L2	179*37'00"	11,128.33

	L1		55′4	9	.,	0.00'	1	
	L2	179	37'0	0"	11,12	8.33]	
	CC	OORE	DIN/	\TE	TAB	<u>LE</u>		
SHL (I	VAD 83						7 NME	
Y =	440,10		N		′=		050.1	N
X=	714,75		E		=		566.0	E
LAT. = LONG. =	32.208		°N		T. =		72162	°W
	103.77 NAD 83				VG. =		72163 7 NME	_
Y=	441,23		N		'=		171.4	N
X=	713,96		E	_	=		778.8	E
LAT. =	32.211		۰N		T. =		11663	۰N
LONG. =	103.77				VG. =		74689	°W
	VAD 83						7 NME)
Y=	440,5	14.1	N	Υ	′=	440,	455.2	Ν
X=	713,96		Е		=		783.6	Е
LAT. =	32.209		°N		T. =		09694	°N
LONG. =	103.77		_		VG. =		74686	°W
PPP #1							27 NM	
Y= X=	437,91 713,98		N E		'= =		915.3	E
LAT. =	32.202		°N	_	. – T. =		796.7 02712	°N
LONG. =	103.77				VG. =		74686	°W
PPP #2							27 NM	_
Υ=	436,65		_, N		'=		595.5	-, N
X=	713,99		Е	Х	=		807.1	Е
LAT. =	32.199	9208	°N	LΑ	T. =	32.19	99084	٥N
LONG. =	103.77	5158	°W	LO	VG. =	103.7	74675	°W
PPP #3						(NAD	27 NM	
Y=	435,33		N		′=		275.4	N
X=	714,00		E	_	=		817.3	E
LAT. =	32.195		°N		T. = VG. =		74664	°N
LONG. =							74664 27 NM	
Y=	432,69		N		'=		634.1	N
X=	714,01		E	_	=		834.6	E
LAT. =	32.188		°N	_	T. =		38194	
						UZ. 10		°N
LONG. =	103.77		°W		VG. =		74653	°W
LONG. =	103.77 VAD 83	5135 NME	°W	LOI	VG. =	103.7 NAD 2	74653 7 NME	°W
LONG. = LTP (I Y -	103.77 NAD 83 430,18	5135 NME 52.2	°W) N	LOI I	\G. = _ TP ('-	103.7 NAD 2 430,	74653 7 NME 093.6	°W) N
LONG. = LTP (I Y - X =	103.77 NAD 83 430,18 714,03	5135 NME 52.2 36.9	°W) N E	LOI I Y X	\G. = _ TP (' - .=	103.7 NAD 2 430, 672,	74653 7 NME 093.6 852.5	°W N E
LONG. = LTP (I Y - X = LAT. =	103.77 NAD 83 430,18 714,03 32.181	5135 NME 52.2 36.9 1334	°W N E °N	LOI Y X LA	NG. = - TP (' - . = T. =	103.7 NAD 2 430, 672, 32.18	74653 7 NME 093.6 852.5 31210	°W N E °N
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DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

XTO Energy Inc.

POKER LAKE UNIT 15 TWR 114H

Projected TD: 19919.03' MD / 8917' TVD

SHL: 510' FNL & 490' FWL , Section 22, T24S, R31E

BHL: 50' FSL & 290' FEL , Section 28, T24S, R31E

EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	649'	Water
Top of Sa l t	973'	Water
Base of Salt	4200'	Water
Delaware	4431'	Water
Brushy Canyon	6994'	Water/Oil/Gas
Bone Spring	8267'	Water
Ava l on	8417'	Water/Oil/Gas
Target/Land Curve	8917'	Water/Oil/Gas

^{***} Hydrocarbons @ Brushy Canyon

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 @ 749' (224' 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 8182.21' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 19919.03 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 7882.21 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 749'	9.625	40	J-55	втс	New	1.61	8.41	21.03
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	4.28	2.57	2.30
8.75	4000' – 8182.21'	7.625	29.7	HC L-80	F l ush Joint	New	3.11	2.32	3.27
6.75	0' - 8082.21'	5.5	20	RY P-110	Semi-Premium / Freedom	New	1.26	2.93	2.44
6.75	8082.21' - 19919.03'	5.5	20	RY P-110	Semi-F l ush / Ta l on	New	1.26	2.66	2.44

[·] XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

Wellhead:

Operator will utilize Multi-Bowl System - See Attached

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

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 749'

Lead: 150 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

Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 8182.21'

st Stage

Optional Lead: 380 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 110 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6994

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: 790 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 (6994') 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, 20 New Semi-Flush / Talon, RY P-110 casing to be set at +/- 19919.03'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 7882.21 feet
Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 8382.21 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 casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril Annular and a 10M Triple Ram BOP.

All BOP testing will be done by an independent service company. Operator will test as per BLM CFR43-3172

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. .

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
INTERVAL	TIOIE OIZE	Maa Type	(ppg)	(sec/qt)	(cc)	Comments
0' - 749'	12.25	FW/Native	8.4-8.9	35-40	NC	Fresh water or native water
749' - 4431'	8.75	Saturated brine	10.0-10.5	30-32	NC	Fully saturated salt across salado / salt
4431' - 8182.21'	8.75	Brine or Direct Emu l sion	10-10.5	30-32	NC	Depending on well conditions
8182.21' - 19919.03'	6.75	ОВМ	9-9.5	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. A saturated salt 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

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 155 to 175 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.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - PLU 15 Twin Wells Ranch-114H

	Pad 1	PLU 15 Twin Wells	Kanci - 1147							
Well Plan Report	Site:	Slot:								
Ranch-114H										
18/24, 9:44 АМ Well Plan Report - PLU 15 Twin Wells Ral	19919.03 ft	8917.00 ft		New Mexico East - NAD 27	440050.10 ft	673566.00 ft	3554.00 ft	3522.00 ft	Grid	0.30 Deg
<u> </u>	Measured Depth:	TVD RKB:	Location	Cartographic Reference System:	Northing:	Easting:	RKB:	Ground Level:	North Reference:	Convergence Angle:
Well Pi								Grou	North	Conv

Plan Sections	PLL	PLU 15 Twin Wells Ranch-114H	Ranch-114H						
Measured			ΔΛΙ			Build	Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	
(#)	(Ded)	(Deg)	(#)	(#)	(#)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target	Target
00.00	00.00	00.00	0.00	0.00	00.0	0.00	0.00	0.00	
1100.00	00.00	00.00	1100.00	00.00	00.0	0.00	0.00	0.00	
1896.79	15.94	324.93	1886.56	90.11	-63.26	2.00	0.00	2.00	
6084.61	15.94	324.93	5913.44	1031.17	-723.91	0.00	0.00	0.00	
6881.41	00.00	00.00	00.0079	1121.28	-787.16	-2.00	0.00	2.00	
8382.21	00.00	00.00	8200.80	1121.28	-787.16	0.00	0.00	00.00	
9507.21	00.06	179.62	8917.00	405.10	-782.40	8.00	0.00		FTP 9
19869.04	00'06	179.62	8917.00	-9956.50	-713.50	00.00	00'0	00.0	LTP 9
19919.03	90.00	179 <u>.</u> 62	8917.00	-10006.50	-713.17	0.00	0.00	0.00	BHL 9

	· Semi-minor Tool	
	Semi-minor	
	Semi-major	
	Magnitude	
	Vertical	
-114H	Latera	
PLU 15 Twin Wells Ranch-1	TVD Highside	
Position Uncertainty	Measured	

Well Plan Report

file:///C:/Users/arsriva/Landmark/DecisionSpace/WellPlanning/Reports/PLU15TwinWellsRanch114H.HTML

	82.750 MWD+IFR1+MS	83.373 MWD+IFR1+MS	83.995 MWD+IFR1+MS	84.615 MWD+IFR1+MS	85.232 MWD+IFR1+MS	85.847 MWD+IFR1+MS	86.458 MWD+IFR1+MS	87.066 MWD+IFR1+MS	87.669 MWD+IFR1+MS	88.268 MWD+IFR1+MS	88.863 MWD+IFR1+MS	89.451 MWD+IFR1+MS	90.035 MWD+IFR1+MS	90.612 MWD+IFR1+MS	91.183 MWD+IFR1+MS	91.747 MWD+IFR1+MS	92.305 MWD+IFR1+MS	92.855 MWD+IFR1+MS	93,398 MWD+IFR1+MS	93.934 MWD+IFR1+MS	94.461 MWD+IFR1+MS	94.981 MWD+IFR1+MS	95.493 MWD+IFR1+MS	95.996 MWD+IFR1+MS	96.491 MWD+IFR1+MS	96.977 MWD+IFR1+MS	97.455 MWD+IFR1+MS	97.925 MWD+IFR1+MS	98.386 MWD+IFR1+MS	98.838 MWD+IFR1+MS	99.281 MWD+IFR1+MS	99.645 MWD+IFR1+MS	99.709 MWD+IFR1+MS
	11.096	11.475	11.855	12.236	12.618	13.001	13.384	13.768	14.153	14.538	14.923	15.309	15.696	16.082	16.469	16.857	17.244	17.632	18.020	18.408	18.797	19.185	19.574	19.963	20.352	20.741	21.131	21.520	21.910	22.300	22.689	23.019	23.079
	12.982	13.333	13.687	14.044	14.403	14.766	15.130	15.497	15.866	16.237	16.609	16.983	17.359	17.737	18.115	18.495	18.877	19.259	19.643	20.028	20.414	20.800	21.188	21.577	21.966	22.356	22.747	23.139	23.531	23.924	24.317	24.648	24.706
port	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	4.465 0.000	4.588 0.000	4.713 0.000	4.840 0.000	4.969 0.000	2.099 0.000	5.232 0.000	5.366 0.000	5.501 0.000	5.639 0.000	5.778 0.000	5.918 0.000	000'0 090'9	6.204 0.000	6.349 0.000	6.495 0.000	6.643 0.000	6.793 0.000	6.944 0.000	7.096 0.000	7.250 0.000	7.405 0.000	7.562 0.000	7.721 0.000	7.881 0.000	8.043 0.000	8.206 0.000	8.371 0.000	8.537 0.000	8.705 0.000	8.875 0.000	9.019 0.000	9.046 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	000.0	0.000	000.0	0.000
	11.533	11.921	12.312	12.703	13.096	13.489	13.883	14.278	14.674	15.071	15.468	15.866	16.265	16.664	17.063	17.463	17.863	18.264	18.665	19.066	19.468	19.870	20.272	20.675	21.078	21.481	21.884	22.288	22.691	23.095	23.499	23.839	23.900
	000.0	0.000	0.000	000.0	0.000	000.0	000.0	0.000	0.000	000.0	0.000	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	000.0	0.000	000.0	0.000	000.0	000.0	000.0	0.000	000.0	000.0	000.0	0.000	000.0	0.000
	12.623	12.977	13.333	13.693	14.055	14.420	14.787	15.155	15.526	15.899	16.274	16.650	17 027	17.406	17.786	18.167	18.550	18.933	19.318	19.703	20.090	20.477	20.865	21.254	21.643	22.033	22.424	22.816	23.208	23.600	23.993	24.324	24.391
	2947.370	3043.527	3139.684	3235.841	3331.998	3428.155	3524.312	3620.469	3716.626	3812.783	3908.940	4005.097	4101.254	4197.411	4293.568	4389.725	4485.882	4582.039	4678.196	4774.353	4870.510	4966.667	5062.824	5158.981	5255.138	5351,295	5447.452	5543.609	5639.766	5735.923	5832.080	5913,443	5928.248
	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324 930	324 930	324 930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930	324.930
	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.936	15.628
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	99.510 MWD+IFR1+MS	98.148 MWD+IFR1+MS	96.804 MWD+IFR1+MS	95.496 MWD+IFR1+MS	94.236 MWD+IFR1+MS	93.036 MWD+IFR1+MS	91.905 MWD+IFR1+MS	91.776 MWD+IFR1+MS	91.799 MWD+IFR1+MS	91.963 MWD+IFR1+MS	92.250 MWD+IFR1+MS	92.533 MWD+IFR1+MS	92.813 MWD+IFR1+MS	93.091 MWD+IFR1+MS	93.366 MWD+IFR1+MS	93.637 MWD+IFR1+MS	93.906 MWD+IFR1+MS	94.172 MWD+IFR1+MS	94.435 MWD+IFR1+MS	94.695 MWD+IFR1+MS	94.953 MWD+IFR1+MS	95.207 MWD+IFR1+MS	95.458 MWD+IFR1+MS	95.617 MWD+IFR1+MS	95.635 MWD+IFR1+MS	95.352 MWD+IFR1+MS	94.835 MWD+IFR1+MS	94.702 MWD+IFR1+MS	94.716 MWD+IFR1+MS	94.801 MWD+IFR1+MS	94.920 MWD+IFR1+MS	95.044 MWD+IFR1+MS	95.145 MWD+IFR1+MS
	23.474	23.878	24.273	24.656	25.027	25.387	25.735	25.998	26.056	26.376	26.701	27.026	27.352	27.679	28.006	28.334	28.663	28.993	29.323	29.653	29.984	30.316	30.648	30.921	30.977	31.270	31.537	31.776	31.987	32.169	32.325	32.457	32.567
	25.109	25.558	26.000	26.433	26.857	27.272	27.677	27.977	28.034	28.340	28.652	28.965	29.279	29.594	29.911	30.228	30.546	30.865	31.185	31.507	31.828	32.151	32.475	32.740	32.793	33,501	34.924	36.162	37.197	38.023	38.645	39.078	39.346
port	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	9.220 0.000	9.398 0.000	9.565 0.000	9.722 0.000	9.871 0.000	10.013 0.000	10.148 0.000	10.255 0.000	10.279 0.000	10.411 0.000	10.545 0.000	10.682 0.000	10.822 0.000	10.965 0.000	11.111 0.000	11.259 0.000	11.411 0.000	11.566 0.000	11.724 0.000	11.885 0.000	12.049 0.000	12.216 0.000	12.386 0.000	12.528 0.000	12.559 0.000	12.749 0.000	13.081 0.000	13.653 0.000	14.527 0.000	15.715 0.000	17.186 0.000	18.880 0.000	20.727 0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	000.0	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
	24.293	24.680	25.057	25.423	25.777	26.121	26.454	26.000	26.059	26.378	26.704	27.030	27.357	27.685	28.013	28.342	28.672	29.003	29.334	29.666	29.999	30.332	30.665	30 938	30.997	31.293	31.566	31.813	32.031	32.221	32.384	32.522	32.636
	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
	24.838	25.321	25.763	26.166	26.527	26 847	27 127	27.976	28.032	28.338	28.649	28 961	29.275	29.589	29.904	30.221	30.538	30.856	31.175	31.494	31.815	32.137	32.459	32.723	32.660	32.429	32.531	32.148	31.359	30.270	29.017	27 767	26.712
	6025.002	6122.578	6220.857	6319.720	6419.047	6518.716	6618.606	000.0079	6718.595	6818.595	6918.595	7018.595	7118.595	7218.595	7318.595	7418.595	7518.595	7618.595	7718.595	7818.595	7918.595	8018.595	8118.595	8200.803	8218.593	8318.064	8415.254	8508.269	8595.299	8674.651	8744.781	8804.322	8852.117
	324.930	324.930	324.930	324.930	324.930	324.930	324.930	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	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619
	13.628	11.628	9.628	7.628	5.628	3.628	1.628	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	1.423	9.423	17.423	25.423	33.423	41.423	49.423	57 423	65.423
10/18/24, 9:44 AM	6200.000	6300.000	6400.000	6500.000	000.0099	6700.000	6800.000	6881.405	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	8382.208	8400.000	8500.000	8600.000	8700.000	8800.000	8900.000	000.0006	9100.000	9200.000
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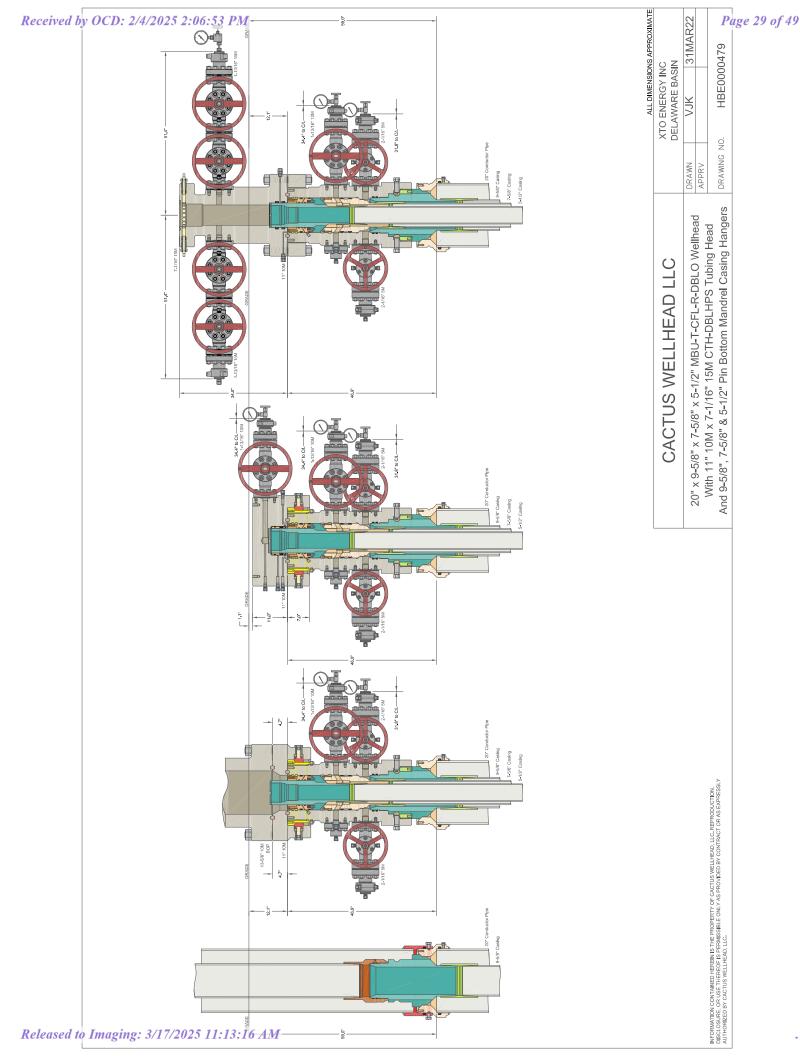
	95.190 MWD+IFR1+MS	95.137 MWD+IFR1+MS	94.922 MWD+IFR1+MS	94.643 MWD+IFR1+MS	94.354 MWD+IFR1+MS	94.073 MWD+IFR1+MS	93.796 MWD+IFR1+MS	93.522 MWD+IFR1+MS	93.248 MWD+IFR1+MS	92.971 MWD+IFR1+MS	92.689 MWD+IFR1+MS	92.396 MWD+IFR1+MS	92.089 MWD+IFR1+MS	91.762 MWD+IFR1+MS	91.407 MWD+IFR1+MS	91.015 MWD+IFR1+MS	90.570 MWD+IFR1+MS	90.052 MWD+IFR1+MS	89.431 MWD+IFR1+MS	88.658 MWD+IFR1+MS	87.650 MWD+IFR1+MS	86.257 MWD+IFR1+MS	84.175 MWD+IFR1+MS	80.701 MWD+IFR1+MS	73.941 MWD+IFR1+MS	58.820 MWD+IFR1+MS	35.597 MWD+IFR1+MS	21.640 MWD+IFR1+MS	15.382 MWD+IFR1+MS	12.121 MWD+IFR1+MS	10.153 MWD+IFR1+MS	8.838 MWD+IFR1+MS	7.894 MWD+IFR1+MS
	32.658	32.731	32.791	32.842	32.920	33.022	33.146	33.292	33.460	33,651	33.863	34.095	34 349	34.622	34.916	35.228	35.559	35.908	36.275	36.657	37.056	37.468	37.893	38.326	38.755	39 139	39.376	39.469	39.512	39.539	39.559	39.577	39.593
	39.480	39.523	39.521	39.516	39.510	39.505	39.502	39.499	39.496	39.495	39.495	39.495	39 496	39.498	39.501	39.504	39.509	39.514	39.521	39.529	39.539	39.552	39.568	39.593	39.636	39 740	40.004	40.426	40.911	41.426	41.958	42.506	43.066
oort	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	22.654 0.000	24.593 0.000	26.877 0.000	27.521 0.000	27.763 0.000	28.026 0.000	28.309 0.000	28.610 0.000	28.929 0.000	29.266 0.000	29.619 0.000	29.990 0.000	30.375 0.000	30.776 0.000	31.192 0.000	31.622 0.000	32.065 0.000	32.521 0.000	32.989 0.000	33.469 0.000	33.961 0.000	34.463 0.000	34.976 0.000	35.499 0.000	36.031 0.000	36.573 0.000	37.123 0.000	37.681 0.000	38.247 0.000	38.821 0.000	39.403 0.000	39.991 0.000	40.586 0.000
	32.729 -0.000	32.800 -0.000	32.854 -0.000	32.899 -0.000	32.970 -0.000	33.065 -0.000	33.183 -0.000	33.323 -0.000	33.487 -0.000	33.672 -0.000	33.880 -0.000	34.109 -0.000	34.359 -0.000	34.630 -0.000	34.921 -0.000	35.231 -0.000	35.560 -0.000	35.908 -0.000	36.275 -0.000	36.658 -0.000	37.059 -0.000	37.476 -0.000	37.909 -0.000	38.357 -0.000	38.820 -0.000	39.297 -0.000	39.788 -0.000	40.293 -0.000	40.810 -0.000	41.339 -0.000	41.880 -0.000	42.433 -0.000	42.997 -0.000
	26.055 0.000	25.968 0.000	26.877 0.000	27.521 0.000	27.763 0.000	28.026 0.000	28.309 0.000	28.610 0.000	28.929 0.000	29.266 0.000	29.619 0.000	29.990 0.000	30.375 0.000	30.776 0.000	31.192 0.000	31.622 0.000	32.065 0.000	32.521 0.000	32.989 0.000	33.469 0.000	33.961 0.000	34.463 0.000	34.976 0.000	35.499 0.000	36.031 0.000	36.573 0.000	37.123 0.000	37.681 0.000	38.247 0.000	38.821 0.000	39.403 0.000	39.991 0.000	40.586 0.000
	8887.234	8908.991	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000
	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619
	73.423	81.423	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	000 06	90.000	90.000	90.000
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	7.181 MWD+IFR1+MS	6.620 MWD+IFR1+MS	6.165 MWD+IFR1+MS	5.788 MWD+IFR1+MS	5.468 MWD+IFR1+MS	5.192 MWD+IFR1+MS	4.952 MWD+IFR1+MS	4.739 MWD+IFR1+MS	4.550 MWD+IFR1+MS	4.379 MWD+IFR1+MS	4.224 MWD+IFR1+MS	4.082 MWD+IFR1+MS	3.953 MWD+IFR1+MS	3.833 MWD+IFR1+MS	3.722 MWD+IFR1+MS	3.618 MWD+IFR1+MS	3.521 MWD+IFR1+MS	3.430 MWD+IFR1+MS	3.345 MWD+IFR1+MS	3.264 MWD+IFR1+MS	3.188 MWD+IFR1+MS	3.116 MWD+IFR1+MS	3.047 MWD+IFR1+MS	2.982 MWD+IFR1+MS	2.920 MWD+IFR1+MS	2.860 MWD+IFR1+MS	2.803 MWD+IFR1+MS	2.748 MWD+IFR1+MS	2.696 MWD+IFR1+MS	2.646 MWD+IFR1+MS	2.598 MWD+IFR1+MS	2.551 MWD+IFR1+MS	2.506 MWD+IFR1+MS
	39.609	39.625	39.641	39.657	39.673	39.689	39 706	39.723	39.741	39.759	39 777	39 796	39.815	39.835	39.855	39.876	39.897	39.919	39.941	39.963	39.986	40.010	40 034	40.058	40.083	40.109	40 135	40.161	40.188	40.215	40.243	40.271	40.300
	43.637	44.220	44.812	45.414	46.025	46.645	47.274	47.910	48.554	49.206	49.865	50.530	51.202	51.880	52.564	53.254	53.950	54.650	55.356	26.067	56.783	57.503	58.228	28.957	29.690	60.427	61.167	61.912	62.660	63.411	64.166	64 923	65.684
port	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	41.187 0.000	41.794 0.000	42.407 0.000	43.026 0.000	43.650 0.000	44.279 0.000	44.913 0.000	45.552 0.000	46.195 0.000	46.843 0.000	47.494 0.000	48.150 0.000	48.809 0.000	49.472 0.000	50.139 0.000	50.809 0.000	51.482 0.000	52.159 0.000	52.838 0.000	53.520 0.000	54.205 0.000	54.893 0.000	55.583 0.000	56.276 0.000	56.971 0.000	57.669 0.000	58.368 0.000	59.070 0.000	59.774 0.000	60.480 0.000	61.188 0.000	61.897 0.000	62.609 0.000
	43.571 -0.000	44.155 -0.000	44.749 -0.000	45.352 -0.000	45.964 -0.000	46.585 -0.000	47.214 -0.000	47.851 -0.000	48.495 -0.000	49.147 -0.000	49.806 -0.000	50.472 -0.000	51.144 -0.000	51.822 -0.000	52.507 -0.000	53.197 -0.000	53.893 -0.000	54.594 -0.000	55.300 -0.000	56.012 -0.000	56.727 -0.000	57.448 -0.000	58.173 -0.000	58.902 -0.000	59.635 -0.000	60.373 -0.000	61.114 -0.000	61.858 -0.000	62.607 -0.000	63.358 -0.000	64.113 -0.000	64.871 -0.000	65.632 -0.000
	0.000 43.	0.000 44	0.000 44	0.000 45	0.000 45	0.000 46	0.000 47	0.000 47.	0.000 48.	0 000 49	0 000 49	0 000 20	0 000 51	0.000 51.	0.000 52	0.000 53.	0.000 53.	0.000 54.	0.000 55.	0 000 26	0.000 56.	0.000 57	0 000 28	0 000 28	0.000 59.	0.000 60.	0.000 61	0.000 61.	0 000 62	0 000 0	0.000 64.	0 000 64	0.000 65.
	41.187	41.794	42.407	43.026	43.650	44.279	44.913	45.552	46.195	46.843	47.494	48.150	48.809	49.472	50.139	50.809	51.482	52.159	52.838	53.520	54.205	54.893	55.583	56.276	56.971	57.669	58.368	59.070	59.774	60.480	61.188	61.897	62.609
	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000
	179.619	179.619	179.619	179.619	179.619	179.619	179 619	179.619	179.619	179.619	179 619	179 619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179 619	179.619	179.619	179.619	179.619	179 619	179.619
	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
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	2.463 MWD+IFR1+MS	2.421 MWD+IFR1+MS	2.381 MWD+IFR1+MS	2.342 MWD+IFR1+MS	2.304 MWD+IFR1+MS	2.267 MWD+IFR1+MS	2.232 MWD+IFR1+MS	2.197 MWD+IFR1+MS	2.164 MWD+IFR1+MS	2.131 MWD+IFR1+MS	2.100 MWD+IFR1+MS	2.069 MWD+IFR1+MS	2.039 MWD+IFR1+MS	2.010 MWD+IFR1+MS	1.982 MWD+IFR1+MS	1.954 MWD+IFR1+MS	1.928 MWD+IFR1+MS	1.901 MWD+IFR1+MS	1.876 MWD+IFR1+MS	1.851 MWD+IFR1+MS	1.827 MWD+IFR1+MS	1.803 MWD+IFR1+MS	1.780 MWD+IFR1+MS	1.757 MWD+IFR1+MS	1.735 MWD+IFR1+MS	1.713 MWD+IFR1+MS	1.692 MWD+IFR1+MS	1.671 MWD+IFR1+MS	1.651 MWD+IFR1+MS	1.631 MWD+IFR1+MS	1.611 MWD+IFR1+MS	1.592 MWD+IFR1+MS	1.574 MWD+IFR1+MS
	40.329	40.359	40.389	40.419	40.450	40.482	40.514	40.546	40.579	40.612	40.646	40.680	40.715	40.750	40.785	40.821	40.858	40.894	40.932	40.970	41.008	41.046	41.085	41.125	41.165	41.205	41.246	41.287	41.329	41.371	41.414	41.456	41.500
	66.448	67.215	67.984	68.756	69.531	70.308	71.087	71.869	72.653	73,440	74.228	75.019	75.811	76.605	77.402	78.200	78.999	79.801	80.604	81.409	82.215	83.023	83.832	84.643	85,455	86.268	87.083	87.899	88.716	89,535	90.354	91.175	91.997
port	0.000	0.000	0.000	0.000	0.000	0000	0.000	0000	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	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	63.322 0.000	64.037 0.000	64.753 0.000	65.471 0.000	66.191 0.000	66.912 0.000	67.634 0.000	68.358 0.000	69.083 0.000	69.810 0.000	70.537 0.000	71.266 0.000	71.996 0.000	72.727 0.000	73.460 0.000	74.193 0.000	74.927 0.000	75.663 0.000	76.399 0.000	77.137 0.000	77.875 0.000	78.614 0.000	79.354 0.000	80.095 0.000	80.837 0.000	81.579 0.000	82.323 0.000	83.067 0.000	83.812 0.000	84.557 0.000	85.304 0.000	86.051 0.000	86.798 0.000
	9 000.0- 966.99	67.163 -0.000 6	67.933 -0.000 6	68.705 -0.000 6	69.480 -0.000 6	70.258 -0.000 6	71.037 -0.000 6	71.820 -0.000 6	72.604 -0.000 6	73.391 -0.000 6	74.179 -0.000 7	74.970 -0.000 7	75.763 -0.000 7	76.558 -0.000 7	77.354 -0.000 7	78.152 -0.000 7	78.952 -0.000 7	79.754 -0.000 7	80.558 -0.000 7	81.363 -0.000 7	82.169 -0.000 7	82.977 -0.000 7	83.787 -0.000 7	84.598 -0.000 8	85.410 -0.000 8	86.224 -0.000 8	87.039 -0.000 8	87.855 -0.000 8	88.673 -0.000 8	89.491 -0.000 8	90.311 -0.000 8	91.132 -0.000 8	91.954 -0.000 8
	63.322 0.000 6	64.037 0.000 6	64.753 0.000 6	65.471 0.000 6	66.191 0.000 6	66.912 0.000 7	67.634 0.000 7	68.358 0.000 7	69.083 0.000 7	69.810 0.000 7	70.537 0.000 7	71.266 0.000 7	71.996 0.000 7	72.727 0.000 7	73.460 0.000 7	74.193 0.000 7	74.927 0.000 7	75.663 0.000 7	76.399 0.000 8	77.137 0.000 8	77.875 0.000 8	78.614 0.000 8	79.354 0.000 8	80.095 0.000	80.837 0.000	81.579 0.000 8	82.323 0.000 8	83.067 0.000 8	83.812 0.000 8	84.557 0.000 8	85.304 0.000 8	86.051 0.000 9	86.798 0.000
	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000
	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619
	90.000	000.06	90.000	000 06	90.000	000.06	90.000	000.06	90.000	000.06	000.06	000.06	90.000	90.000	90.000	90.000	000.06	90.000	000.06	000.06	000.06	000.06	90.000	000.06	90.000	000 06	90.000	000.06	90.000	000 06	90.000	000.06	90.000
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	1.555 MWD+IFR1+MS	1.537 MWD+IFR1+MS	1.520 MWD+IFR1+MS	1.502 MWD+IFR1+MS	1.485 MWD+IFR1+MS	1.469 MWD+IFR1+MS	1.453 MWD+IFR1+MS	1.442 MWD+IFR1+MS	1.437 MWD+IFR1+MS	1.434 MWD+IFR1+MS			TVD MSL Target Shape		CIRCLE	CIRCLE	CIRCLE
	41 544	41.588	41.632	41.677	41.723	41.769	41.815	41.847	41.862	41.871			TVD MSL	(ff)	5363.00 CIRCLE	5363.00 CIRCLE	5363.00 CIRCLE
	92.820	93.644	94.469	95.295	96.122	96.950	97.778	98.350	98.606	98.763			Grid Easting	(#)	672783.60	672852.50	672852.90
port	0.000	0.000	0.000	00000	0.000	0000	0.000	0000	0.000	0000			Grid		672	672	672
Well Plan Report	87.546 0.000	88.295 0.000	89.045 0.000	89.795 0.000	90.546 0.000	91.297 0.000	92.049 0.000	92.568 0.000	92.800 0.000	92.943 0.000			Grid Northing	(#)	440455.20	430093.60	430043.60
	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000			Gric				
	92.778 -0.000	93.602	94.427 -0.000	95.253	96.080 -0.000	000.0- 606.96	97.738 -0.000	98.309 -0.000	98.565 -0.000	98.723 -0.000							
	87.546 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		ich-114H)epth	(£	9507.11	19869.04	19919.10
	87.546	88.295	89.045	89.795	90.546	91.297	92.049	92.568	92.800	92.943		Wells Ran	Measured Depth		95	198	199
	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000	8917.000		PLU 15 Twin Wells Ranch-114H	Σ				
	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619	179.619		_					
	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	000.06							
0/18/24, 9:44 AM	19200.000	19300.000	19400.000	19500.000	19600.000	19700.000	19800.000	19869.037	19900.000	19919.033	AM	Plan Targets		Target Name	FTP 9	LTP 9	BHL 9
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U. S. Steel Tubular Products 5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

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MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ [®]		
Minimum Yield Strength	110,000		psi	
Maximum Yield Strength	125,000		psi	
Minimum Tensile Strength	125,000		psi	
DIMENSIONS	Pipe	USS-FREEDOM HTQ [®]		
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	
SECTION AREA	Pipe	USS-FREEDOM HTQ [®]		
Critical Area	5.828	5.828	sq. in.	
Joint Efficiency		100.0	%	
PERFORMANCE	Pipe	USS-FREEDOM HTQ $^{ m ext{ iny R}}$		
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	l b	
Compression Rating		641,000	l b	
Reference Length [4]		21,370	ft	
Maximum Uniaxial Bend Rating [2]		91.7	deg/100 ft	
MAKE-UP DATA	Pipe	USS-FREEDOM HTQ [®]		
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.

Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

> U. S. Steel Tubular Products 460 Wildwood Forest Drive, Suite 300S Spring, Texas 77380

1-877-893-9461 connections@uss.com www.usstubular.com

U. S. Steel Tubular Products 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.	
Minimum Make-Up Torque		17,000	ft-Ib	[4]
Maximum Make-Up Torque		20,000	ft-Ib	[4]
Maximum Operating Torque		39,500	ft-lb	[4]

Notes

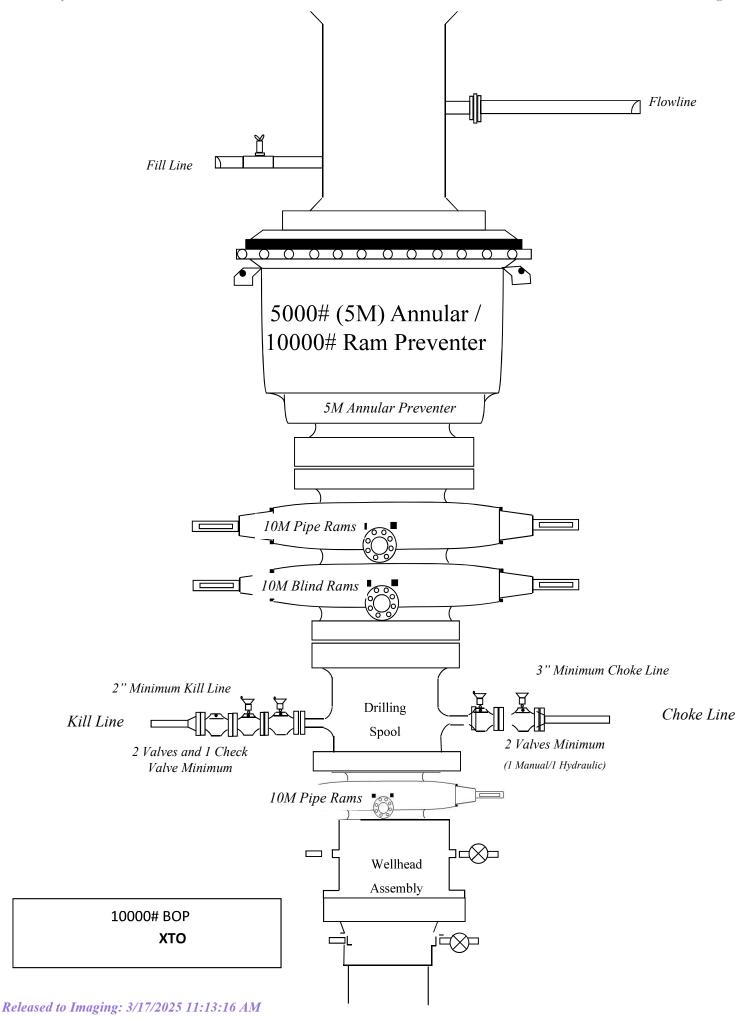
- 1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield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

Legal Notice

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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.

Tal	ole C.4—Initial Pressure Te	esting, Surface BOP Stacks	
	Pressure Test—Low	Pressure Test-	-High Pressureac
Component to be Pressure Tested	Pressure ^{ac} psig (MPa)	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 ^{bd}	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 chokese	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokese	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or M whichever is lower	MASP for the well program,
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	
	during the evaluation period. The p	pressure shall not decrease below the allest OD drill pipe to be used in well	
	from one wellhead to another within when the integrity of a pressure se	n the 21 days, pressure testing is req	uired for pressure-containing an
For surface offshore operations, the	ne ram BOPs shall be pressure tes land operations, the ram BOPs sha	ted with the ram locks engaged and all be pressure tested with the ram lo	

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 Oand 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

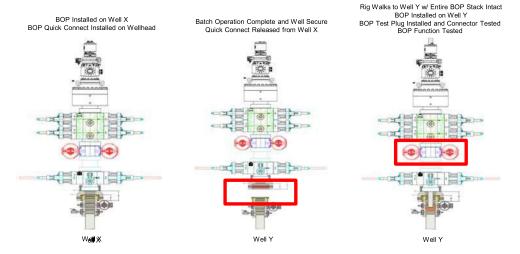
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

- 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



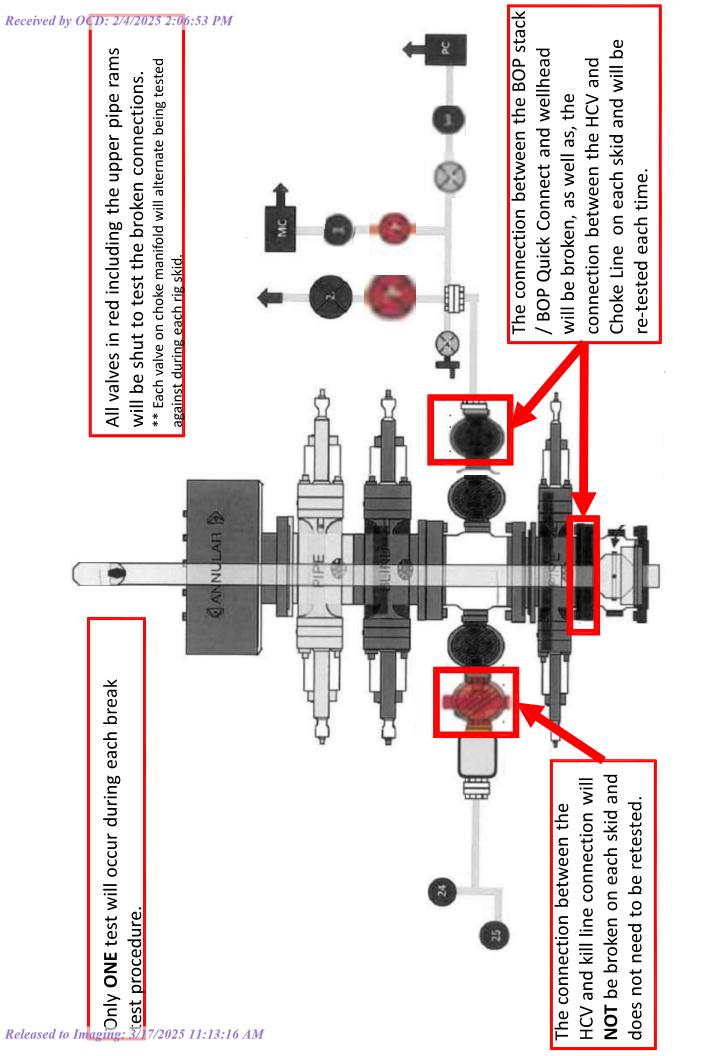
Summary

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.



XTO Permian Operating, LLC Offline Cementing Variance Request

XTO requests the option to cement the surface and intermediate casing strings offline as a prudent batch drilling efficiency of acreage development.

1. Cement Program

No changes to the cement program will take place for offline cementing.

2. Offline Cementing Procedure

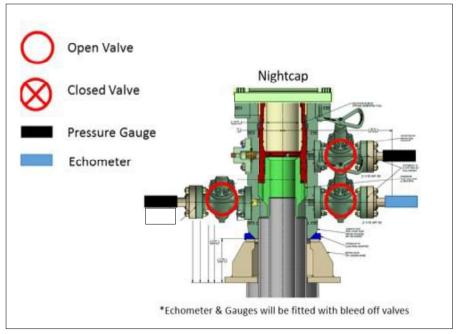
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
- 2. Land casing with mandrel
- 3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
- 4. Set annular packoff shown below and pressure test to confirm integrity of the seal. Pressure ratings of wellhead components and valves is 5,000 psi.
- 5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
 - a. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50-psi compressive strength if kill weight fluid cannot be verified.



Annular packoff with both external and internal seals

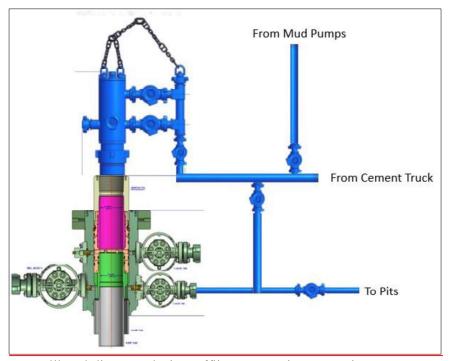
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

- 6. Skid rig to next well on pad.
- 7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
 - a. Well Control Plan
 - i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
 - ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
 - iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
 - iv. Once influx is circulated out of the hole, kill weight mud will be circulated
 - v. Well will be confirmed static
 - vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
- 8. Install offline cement tool
- 9. Rig up cement equipment

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

- 10. Circulate bottoms up with cement truck
 - a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
 - b. Max anticipated time before circulating with cement truck is 6 hrs
- 11. Perform cement job taking returns from the annulus wellhead valve
- 12. Confirm well is static and floats are holding after cement job
- 13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

XTO respectfully requests approval to utilize a spudder rig to pre-set surface casing.

Description of Operations:

- 1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
 - a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - The spudder rig will utilize fresh water-based mud to drill the surface hole to TD.
 Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
- 2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
- 3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
 - a. A means for intervention will be maintained while the drilling rig is not over the well.
- 4. Spudder rig operations are expected to take 2-3 days per well on the pad.
- 5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
 - a. The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
 - b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
- 7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
- 8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.



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NEW CHOKE HOSE

INSTRUED 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





TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number:

H3-012524-1

Production description:

74621/66-1531

Description:

Sales order #:

529480

Lot number:

Part number:

74621/66-1531

Customer reference:

FG1213

Hose ID:

3" 16C CK

TEST INFORMATION

Test procedure:

GTS-04-053

15000.00

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

Test pressure: Test pressure hold:

3600.00

Description:

Work pressure:

10000.00

Fitting 2:

3.0 x 4-1/16 10K

Work pressure hold: Length difference:

900.00 0.00 0.00

sec % inch

psi

sec

psi

Part number: Description:

Length difference:

Visual check: Pressure test result:

PASS

Length measurement result:

Length:

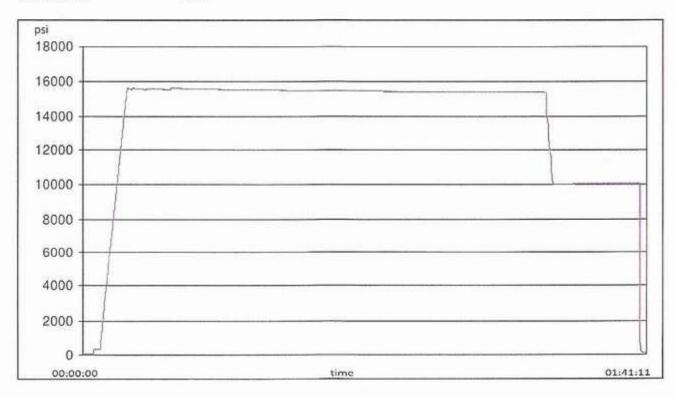
45

feet

D. -- - 17

Test operator:

Travis





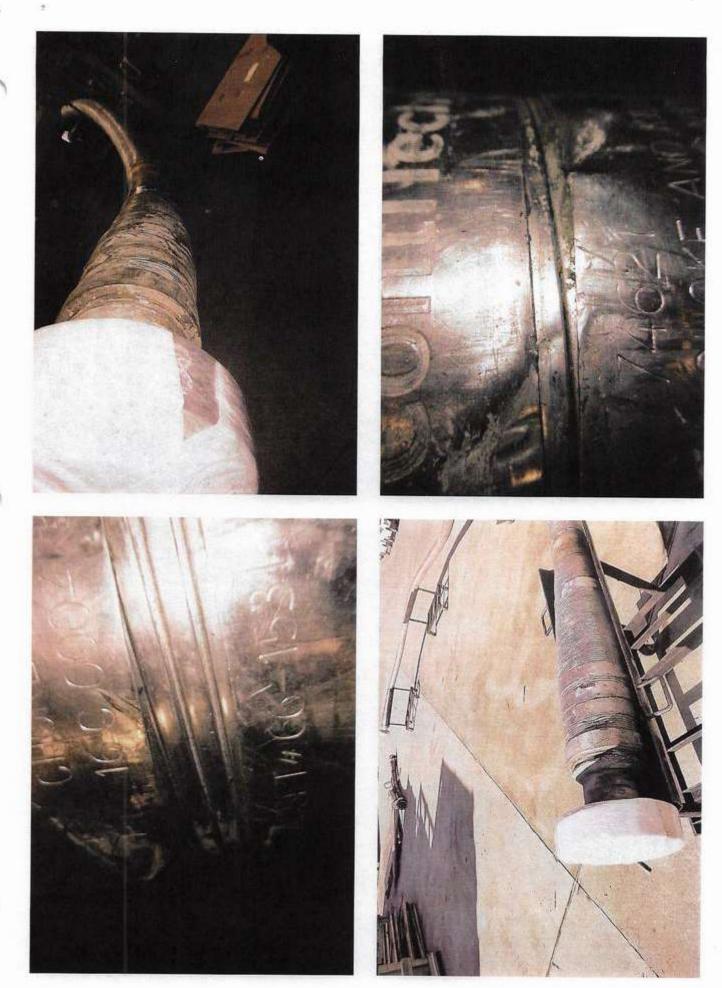
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1/25/2024 11:48:06 AM

TEST REPORT

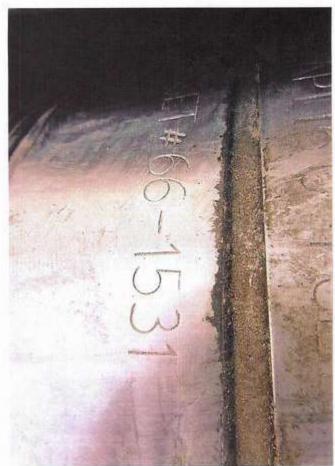
GAUGE TRACEABILITY

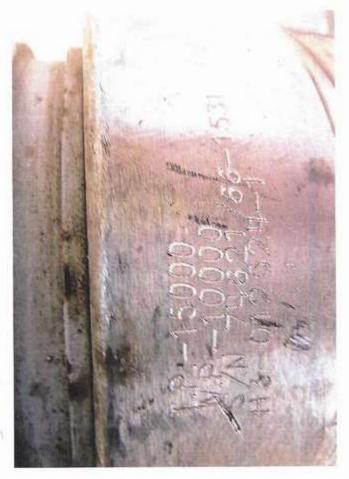
Serial number	Calibration date	Calibration due date
110D3PHO	2023-06-06	2024-06-06
110IQWDG	2023-05-16	2024-05-16
	110D3PHO	110D3PHO 2023-06-06



Released to Imaging: 3/17/2025 11:13:16 AM









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Sante Fe Main Office Phone: (505) 476-3441

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Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 428165

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	428165
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By		Condition Date	l
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	3/17/2025	l