

# Sundry Print Reports

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

Well Name: POKER LAKE UNIT 13-24 Well Location: T24S / R29E / SEC 13 / County or Parish/State: EDDY /

SWNE / 32.218157 / -103.934757

Well Number: 805H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM05912 Unit or CA Name: POKER LAKE UNIT Unit or CA Number:

NMNM71016X

US Well Number: Operator: XTO PERMIAN OPERATING

LLC

# **Notice of Intent**

**Sundry ID: 2855398** 

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/30/2025 Time Sundry Submitted: 10:50

Date proposed operation will begin: 06/13/2025

**Procedure Description:** XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, proposed total depth, pool, and dedicated acreage. FROM: TO: KOP: 2420' FNL & 1626' FEL OF SECTION 13-T24S-R29E 2515' FSL & 2238' FEL OF SECTION 13-T24S-R29E FTP: 1959' FNL & 2310' FEL OF SECTION 13-T24S-R29E 2596' FNL & 2235' FEL OF SECTION 13-T24S-R29E The proposed total depth is changing FROM 20041' MD; 9714' TVD TO 20166' MD; 9705' TVD. Pool code is changing FROM PIERCE CROSSING; BONE SPRING, EAST(96473) TO CEDAR CANYON; BONE SPRING(11520); PIERCE CROSSING; BONE SPRING(96473); WILDCAT S243006B; LWR BONE SPRING(97753) Dedicated acreage is changing FROM 719.94 ac TO 360 ac There is no new surface disturbance.

# **NOI Attachments**

# **Procedure Description**

POKER\_LAKE\_UNIT\_13\_24\_PC\_805H\_Sundry\_Docs\_20250530105004.pdf

Page 1 of 2

eived by OCD: 6/13/2025 11:32:31 AM Well Name: POKER LAKE UNIT 13-24

PC

Well Location: T24S / R29E / SEC 13 / SWNE / 32.218157 / -103.934757

County or Parish/State: Page 2 of

Well Number: 805H

Type of Well: OIL WELL

**Allottee or Tribe Name:** 

Lease Number: NMNM05912

Unit or CA Name: POKER LAKE UNIT

**Unit or CA Number:** NMNM71016X

**US Well Number:** 

**Operator: XTO PERMIAN OPERATING** 

# **Conditions of Approval**

# **Additional**

242913 Poker Lake Unit 13 24 PC 805H 06 09 2025 COAs 20250609083241.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: MANOJ VENKATESH Signed on: MAY 30, 2025 10:50 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (720) 539-1673

Email address: MANOJ. VENKATESH@EXXONMOBIL. COM

### **Field**

**Representative Name:** 

**Street Address:** 

City:

State:

Zip:

Phone:

**Email address:** 

# **BLM Point of Contact**

**BLM POC Name: CHRISTOPHER WALLS BLM POC Title:** Petroleum Engineer

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

**Disposition:** Approved Disposition Date: 06/09/2025

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, 202

BURI	EAU OF LAND MANAGEMEN	T	5. Lease Serial No.	
Do not use this t	IOTICES AND REPORTS ON form for proposals to drill or Use Form 3160-3 (APD) for s	to re-enter ar		Name
SUBMIT IN T	TRIPLICATE - Other instructions on p	age 2	7. If Unit of CA/Agreement, 1	Name and/or No.
1. Type of Well  Oil Well  Gas W	Vell Other		8. Well Name and No.	
2. Name of Operator			9. API Well No.	
3a. Address	3b. Phone N	lo. (include area cod	de) 10. Field and Pool or Explora	tory Area
4. Location of Well (Footage, Sec., T.,R	2.,M., or Survey Description)		11. Country or Parish, State	
12. CHE	CK THE APPROPRIATE BOX(ES) TO	INDICATE NATUR	E OF NOTICE, REPORT OR OTI	HER DATA
TYPE OF SUBMISSION		TY	YPE OF ACTION	
Notice of Intent		eepen ydraulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report		ew Construction	Recomplete	Other
Subsequent Report	Change Plans Pl	ug and Abandon	Temporarily Abandon	
Final Abandonment Notice	Convert to Injection	ug Back	Water Disposal	
is ready for final inspection.)	tices must be filed only after all requirem	ents, including recla	mation, have been completed and	the operator has detennined that the site
14. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)	Title		
		THE		
Signature		Date		
	THE SPACE FOR FE	DERAL OR S	TATE OFICE USE	
Approved by		TI 4		Dete
	hed. Approval of this notice does not war equitable title to those rights in the subject duct operations thereon.			Date
Title 18 U.S.C Section 1001 and Title 43	3 U.S.C Section 1212, make it a crime for	r any person knowin	gly and willfully to make to any do	epartment 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, 3162.3-4.

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**

Dedicated acreage is changing FROM 719.94 ac TO 360 ac

There is no new surface disturbance.

# **Location of Well**

 $0. \ SHL: \ SWNE \ / \ 2420 \ FNL \ / \ 1626 \ FEL \ / \ TWSP: \ 24S \ / \ RANGE: \ 29E \ / \ SECTION: \ 13 \ / \ LAT: \ 32.218157 \ / \ LONG: \ -103.934757 \ (\ TVD: \ 0 \ feet, \ MD: \ 0 \ feet \ )$  PPP: \ SWNE \ / \ 1959 \ FNL \ / \ 2310 \ FEL \ / \ TWSP: \ 24S \ / \ RANGE: \ 29E \ / \ SECTION: \ 13 \ / \ LAT: \ 32.219431 \ / \ LONG: \ -103.936968 \ (\ TVD: \ 9714 \ feet, \ MD: \ 10200 \ feet \ ) BHL: \ NWSE \ / \ 2595 \ FSL \ / \ 2310 \ FEL \ / \ TWSP: \ 24S \ / \ RANGE: \ 29E \ / \ SECTION: \ 1 \ / \ LAT: \ 32.246525 \ / \ LONG: \ -103.937005 \ (\ TVD: \ 9714 \ feet, \ MD: \ 20041 \ feet \ )

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Permian Operating LLC
WELL NAME & NO.: Poker Lake Unit 13-24 PC 805H
LOCATION: Section 13, T.24S., R.29E.
COUNTY: Eddy County

COA

H2S	Yes	O No	
Potash	None	C Secretary	C R-111-P
Cave/Karst Potential	• Low	© Medium	C High
Cave/Karst Potential	Critical		
Variance	O None	• Flex Hose	Other
Wellhead	Conventional	<ul><li>Multibowl</li></ul>	O Both
Wellhead Variance	O Diverter		
Other	□ 4 String	☐ Capitan Reef	□WIPP
Other	Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	Contingency	☐ EchoMeter	☐ Primary Cement
	Cement Squeeze		Squeeze
Special Requirements	☐ Water Disposal	□ СОМ	✓ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements	Break Testing	✓ Offline	□ Casing
Variance		Cementing	Clearance

Possibility of water flows in the Rustler Possibility of lost circulation in the Salado, Castile, and Delaware Abnormal pressures may be encountered upon penetrating the 3rd Bone Spring Sandstone and all subsequent formations.

### A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

### **B. CASING**

- 1. The **9-5/8** inch surface casing shall be set at approximately **400** 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. The surface hole shall be **12-1/4** inch in diameter.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of <u>8</u> 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:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

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

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

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. **Cement excess calculates** to **20%** more cement may be needed.

### C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **9-5/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000** (**5M**) psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR 3172** i must be followed.

# D. SPECIAL REQUIREMENT (S)

### **Unit Wells**

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

# **Commercial Well Determination**

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

# E. SPECIAL REQUIREMENT (S)

# **BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **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.

# **GENERAL REQUIREMENTS**

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

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

**EMAIL** or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220.

**BLM\_NM\_CFO\_DrillingNotifications@BLM.GOV** (575) 361-2822

Lea County

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

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2<sup>nd</sup> Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

### A. CASING

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

- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

### **B. PRESSURE CONTROL**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.

- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - iii. Manufacturer representative shall install the test plug for the initial BOP test.
  - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However,

- if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
- ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

# C. DRILLING MUD

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

### D. WASTE MATERIAL AND FLUIDS

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

JS 6/9/2025

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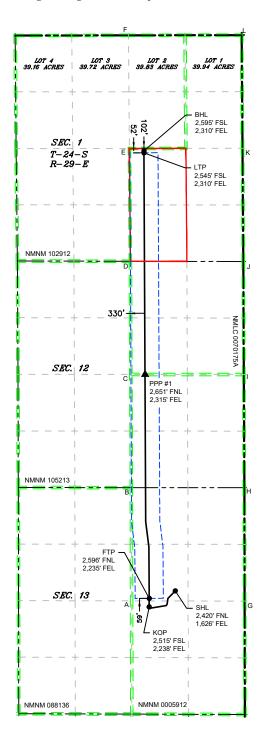
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API Nu		_	Pool Code			Pool Name				
Propert	30-01	5-	Property N	11520		CEL	OAR CANY	ON; BON	Well Number	
Tropert	y code		1 Toperty I	vanic	POKER LA	KE UNIT 13-24 PC			1	805H
OGRID	No. <b>37307</b>	5	Operator N		XTO PERMIA	N OPERATING, LLC	<b>).</b>		Ground Level	Elevation <b>3,113</b> '
Surface	Owner: S	tate	Tribal ⊠Fe	deral		Mineral Owner:	tate Fee [	☐Tribal 🔯	Federal	
						-				
UL	Section	Township	Range	Lot	Surface Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
Н	13	248	29E	200	2,420 FNL	1,626 FEL	32.218		103.934757	EDDY
					-	·	02.2.10			
UL	Section	Township	Range	Lot	Botton Ft. from N/S	Hole Location Ft. from E/W	Latitude	I	ongitude	County
J	1	248	29E		2,595 FSL	2,310 FEL	32,246		103.937005	EDDY
					_,,,,,,	_,-,- : - :				
Dedicat	ted Acres	Infill or Defir	ning Well	Defining	Well API	Overlapping Spacing V	Unit (Y/N)	Consolidati	ion Code	
8	0.00	INF	ILL			Y			U	
Order N	Numbers.					Well Setbacks are und	er Common O	wnership:	⊠Yes □No	
					Kick O	Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
J	13	248	29E		2,515 FSL	2,238 FEL	32.217	131 -	103.936740	EDDY
					First Ta	ake Point (FTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	ongitude	County
G	13	248	29E		2,596 FNL	2,235 FEL	32.217	678 -	103.936729	EDDY
					Last Ta	ake Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	ongitude	County
J	1	248	29E		2,545 FSL	2,310 FEL	32.246	388 -	103.937005	EDDY
		l				<b>L</b>				
Unitize	d Area or Are	a of Interest 1105422429		Spacing Un	iit Type : 🛛 Horiz	ontal  Vertical	Grour	nd Elevation	3,113'	
OPERA	TOR CERTI	FICATIONS				SURVEYOR CERTIFIC	ATIONS			
best of r that this in the la at this la unlease	my knowledge s organization and including ocation pursu d mineral inte	and belief, and either owns a v	, if the well is working inter ottom hole loc t with an own tary pooling	e vertical or d est or unlease cation or has ner of a worki agreement or	d mineral interest a right to drill this ing interest or	I hereby certify that the wactual surveys made by no correct to the best of my to	ie or under my		, and that the sam	ne is true and
received unlease which a	d the consent d mineral inte my part of the	ontal well, I furt. of at least one le erest in each trae well's complete order from the d	essee or owne ct (in the targ ed interval wi	er of a workin get pool or inf	g interest or formation) in			PRO		No. YOR
Ø	duj.V		05/2	9/2025					'UNAL 3	
Signatu	re		Date			Signature and Seal of Pro	fessional Surv	eyor		
Mano	oj Venkate <sub>Name</sub>	esh				MARK DILLON HARP 2378 Certificate Number		Survey	5/22/2025	
	•	esh@exxor	mobil.co	m						
Email A	Address					үн			618.01300	3.04-28

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# ACREAGE DEDICATION PLATS

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			WEL	L COORDINATE	TABLE			
WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LOI
SHL	664,598.4	443,327.7	32.218156	-103.934757	623,414.9	443,268.3	32.218032	-103.93426
КОР	663,986.4	442,952.7	32.217131	-103.936740	622,802.9	442,893.3	32.217007	-103.93625
FTP	663,989.3	443,151.7	32.217678	-103.936729	622,805.8	443,092.3	32.217554	-103.93624
LTP	663,865.3	453,595.5	32.246388	-103.937005	622,682.1	453,535.9	32.246264	-103.93651
BHL	663,865.0	453,645.5	32.246526	-103.937005	622,681.8	453,585.9	32.246402	-103.93651
PPP #1	663,890.2	448,399.6	32.232105	-103.936986	622,706.9	448,340.1	32.231981	-103.93649

	COR	NER COORDINA	TE TABLE	
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
Α	663,576.0	443,093.9	622,392.5	443,034.6
В	663,570.2	445,748.2	622,386.8	445,688.8
С	663,559.1	448,399.9	622,375.8	448,340.4
D	663,547.9	451,051.0	622,364.7	450,991.4
E	663,524.5	453,696.5	622,341.4	453,636.9
F	663,501.0	456,347.1	622,318.0	456,287.4
G	666,224.6	443,088.1	625,041.0	443,028.8
Н	666,218.3	445,746.5	625,034.9	445,687.1
I	666,205.3	448,396.9	625,022.0	448,337.4
J	666,193.9	451,046.7	625,010.6	450,987.1
K	666,174.6	453,699.9	624,991.5	453,640.3
L	666,154.8	456,352.9	624,971.7	456,293.2

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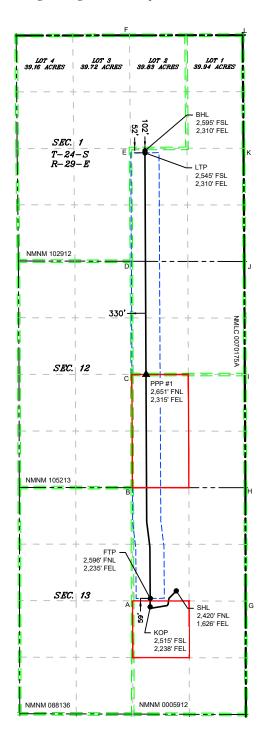
<u>C-10</u>	2					al Resources Department	t		Re	evised July, 09 2024
	electronically D Permitting	•		OIL	L CONVERSI	ION DIVISION				
Via OC	D remitting								☐ Initial Sub	mittal
								Submital Type:	M Amended 1	Report
									☐As Drilled	
			1		WELL LOCA	TION INFORMATION				
API Nu	mber <b>30-01</b>	5-	Pool Code	96473	,	Pool Name	CE CROS	SING; BC	NE SPRING	i
Property	y Code		Property N	Name					Well Number	
OGRID	No		Operator 1	Nama	POKER LA	AKE UNIT 13-24 PC			Ground Leve	B05H
OGKID	37307	5	Operator		XTO PERMIA	N OPERATING, LLC	<b>)</b> .			3,113'
Surface	Owner: S	tate  Fee	Tribal <b>⊠</b> Fe	ederal		Mineral Owner: □S	tate Fee	□Tribal 🛚	Federal	
					G 6					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
G	13	248	29E		2,420 FNL	1,626 FEL	32.218	156 -	103.934757	EDDY
					Rotton	n Hole Location				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
J	1	248	29E		2,595 FSL	2,310 FEL	32.246	526 -	103.937005	EDDY
	ed Acres	Infill or Defin	-	Defining	Well API	Overlapping Spacing U	Unit (Y/N)	Consolidat		
12	20.00	INF	ILL			Y			U	
Order N	lumbers.					Well Setbacks are und	er Common C	wnership:	¥Yes □No	
					Kick (	Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County
J	13	248	29E		2,515 FSL	2,238 FEL	32.217	'131 -	103.936740	EDDY
	1		1	· -	First T	ake Point (FTP)		<u>'</u>		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
G	13	24S	29E		2,596 FNL	2,235 FEL	32.217	678 -	103.936729	EDDY
UL	Section	Township	Range	Lot	Last T	ake Point (LTP)  Ft. from E/W	Latitude	T r	Longitude	County
J	1	24S	29E	Lot	2,545 FSL		32.246		103.937005	EDDY
		240	202		2,040102	2,010122	02.240	-	100.307003	LDD1
Unitize	d Area or Are	a of Interest					Grou	nd Elevation		
	NMNM	105422429		Spacing Ur	nit Type : 🛮 Horiz	zontal  Vertical			3,113'	
OPER A	TOR CERTI	FICATIONS				SURVEYOR CERTIFICA	ATIONS			
I hereby	certify that t	he information c			nd complete to the lirectional well,	I hereby certify that the wactual surveys made by m	vell location si			
in the la at this l	ınd including ocation pursu	the proposed bo ant to a contrac	ttom hole loo t with an ow	cation or has ner of a work		correct to the best of my l	belief		211104	
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compul	sory pooling o	order from the d	ivision.					120		JA YON BOOK
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	-	esh@exxor	mobil.co	om						
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						YH			618.01300	3.04-28

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J	666,193.9	451,046.7	625,010.6	450,987.1		
K	666,174.6	453,699.9	624,991.5	453,640.3		
L	666,154.8	456,352.9	624,971.7	456,293.2		

EDDY\Wells\28 - PLU Pierce Canyon 13-24 805H\DWG\13-24 PC 805H.dwg

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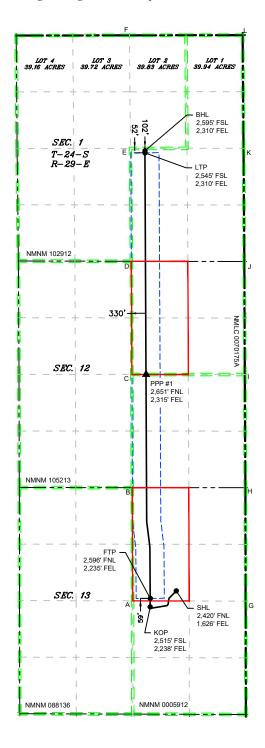
<u>C-10</u>	2					aral Resources Department				evised July, 09 2024	
	electronically D Permitting			OIL	. CONVERS	ION DIVISION					
V 14 OC	D I cimiting								☐ Initial Sub	nittal	
								Submital Type:	▲ Amended I	Report	
									☐ As Drilled		
					WELL LOCA	ATION INFORMATION					
API Nu	mber <b>30-01</b> 5	<b>.</b> _	Pool Code	97753		Pool Name	T 62/3004	R. I WD	BONE SPRII	ne	
Property		<b>)-</b>	Property N		'	WILDCA	1 3243000	DD, LWN	Well Number		
1 .	,		1 3		POKER LA	AKE UNIT 13-24 PC			1	305H	
OGRID	No. <b>37307</b>	5	Operator N		XTO PERMIA	IN OPERATING, LLC	:		Ground Level	Elevation 3,113'	
Surface	Owner: S	tate  Fee	Tribal ⊠Fe	deral		Mineral Owner: □S	tate  Fee	□Tribal 🔼	Federal		
					S C	. Wala Lauren					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County	
G	13	24\$	29E		2,420 FNL	1,626 FEL	32.218	156 -	103.934757	EDDY	
UL	Section	Township	Range	Lot	Ft. from N/S	n Hole Location  Ft. from E/W	Latitude	I	Longitude	County	
J	1	248	29E		2,595 FSL	2,310 FEL	32.246		103.937005	EDDY	
						,					
Dedicat	ed Acres	Infill or Defin	ning Well	Defining	Well API	Overlapping Spacing U	Jnit (Y/N)	Consolidat	ion Code		
16	0.00	INF	ILL			Y U					
Order N	lumbers.					Well Setbacks are und	er Common C	wnership:	ĭ Yes ☐ No		
					Kick (	Off Point (KOP)					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County	
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					Last T	ake Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	I	Longitude	County	
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**		CY.	•	1		•					
Unitized	d Area or Are	a of Interest		Spacing Ur	nit Type : 🛮 Horiz	zontal	Groui	nd Elevation	3,114'		
OPERA	TOR CERTI	FICATIONS				SURVEYOR CERTIFICA	ATIONS				
I hereby	certify that t	he information c			d complete to the	I hereby certify that the w	ell location sl				
that this	organization		vorking intere	est or unlease	ed mineral interest	actual surveys made by m correct to the best of my b		supervision	, and that the sam	e is true and	
at this le	ocation pursu	ant to a contrac	t with an own	ier of a worki					DILLON		
		erest, or a volunt etofore entered b			a compulsory			MA	YEN MEXICO	KARO .	
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or information) in					(4)		\ \ \				
			DROMAL SURJUNIONAL SURJUNIONA SURJUNIONAL SURJUNIONA SURJ								
which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.					ROFE						
6A : V						1.0	SIONAL S	JK/			
Signatur	<b>∼7 · V</b> re		05/29 Date	9/2025		Signature and Seal of Pro	fessional Surv				
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	j Venkate	esh				MARK DILLON HARP 2378		F C	5/22/2025		
Printed		esh@exxor	mobil oc	m		Certificate Number	Date of	f Survey			
Email A	•	JOI WEXXUI		111							
						үн			618.01300	3.04-28	

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EDDY\Wells\28 - PLU Pierce Canyon 13-24 805H\DWG\13-24 PC 805H.dwg

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F	663,501.0	456,347.1	622,318.0	456,287.4								
G	666,224.6	443,088.1	625,041.0	443,028.8								
Н	666,218.3	445,746.5	625,034.9	445,687.1								
I	666,205.3	448,396.9	625,022.0	448,337.4								
J	666,193.9	451,046.7	625,010.6	450,987.1								
K	666,174.6	453,699.9	624,991.5	453,640.3								
L	666,154.8	456,352.9	624,971.7	456,293.2								

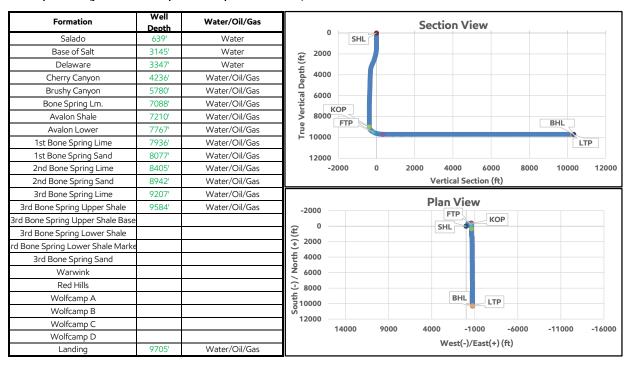
# DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

# ExxonMobil Poker Lake Unit 13-24 PC 805H Projected TD: 20166' MD / 9705' TVD SHL: 2420' FNL & 1626' FEL , Section 13, T24S, R29E BHL: 2595' FSL & 2310' FEL , Section 1, T24S, R29E Eddy County, NM

### 1. Geologic Name of Surface Formation

Quaternary

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



	Inclinat ion (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
КОР	0	0	8989	-375	-612
LP	90	0	9705	341	-612
FTP	45	0	9495	-165	-612
LTP	90	360	9705	10270	-742
BHL	90	360	9705	10320	-742

### Section 2 Summary:

\*\*\* Deepest Expected Groundwater Depth: 40′ (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" inch casing at 614' and circulating cement back to surface.

### 3. Primary Casing Design Primary Design:

Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25"	0' - 614'	614'	9-5/8"	40	J55	BTC	New	20.97	19.33	5.86
8.75"	0' - 4000'	3954'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.01	8.59	3.35
8.75"	4000' – 8906'	8839'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	2.66	5.63	2.41
6.75"	0' - 8806'	8739'	5-1/2"	20	P110-CY	TPN	New	1.18	2.93	2.44
6.75"	8806' – 20166'	9705'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	2.93	2.62
		_						_		

### Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement. The planned kick off point is located at: 2600' MD / 2578' TVD.

### Wellhead:

A multi-bowl wellhead system will be utilized. The well design chosen is: 3-String Slim Non-Potash

Wellhead will be installed by manufacturer's representatives.

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

### 4. Cement Program

				rimary Cementi		Casing Setting		
Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	93	12.4	2.11	0	614	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	141	14.8	1.33	314	614	100%	Surface 1 Class C Tail Cement
ntermediate 1	Lead							
ntermediate 1	Tail	292	14.8	1.45	5780	8,906	35%	Intermediate 1 Class C Tail Cement
Production 1	Lead							
Production 1	Tail	824	13.2	1.44	1950	20,166	25%	Production 1 Class C Tail Cement
			Re	emedial Cement	ing			
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemen	ted Interval	Excess (%)	Slurry Description
	Bradenhead		7 413					Intermediate Class C Bradenhead
ntermediate 1	Squeeze	541	14.8	1.45	0 -	- 5780'	35%	Squeeze Cement
	1							

### Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline

### 5. Pressure Control Equipment

	_	_	
Section	5	Sum	marv:

Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril and a minimum 10M triple Ram BOP.
All BOP testing will be done by an independent service company. Operator will Test as per 43CFR-3172
Requested Variances

### 4A) Offline Cementing Variance

XOM 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. XOM 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. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

### 5A) Break Test Variance

A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure is less than 4800psi and the deepest intermediate casing point does not penetrate the Wolfcamp Formation.

### 5B) Flex Hose Variance

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

#### 5C) 10M Annular Variance

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

### 8A) Open Hole Logging Variance

Open hole logging will not be done on this well.

### 10A) Spudder Rig Variance

XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

### 10B) Batch Drilling Variance

XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

### 6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 614'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
614' – 8906'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
8906' – 20166'	6.75"	ОВМ	9 - 10.7	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions
			•			
			•			

### Section 6 Summary:

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

Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) 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

Section	7	Summary	,

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

### 8. Logging, Coring and Testing Program

### Section 8 Summary:

Open hole logging will not be done on this well.

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

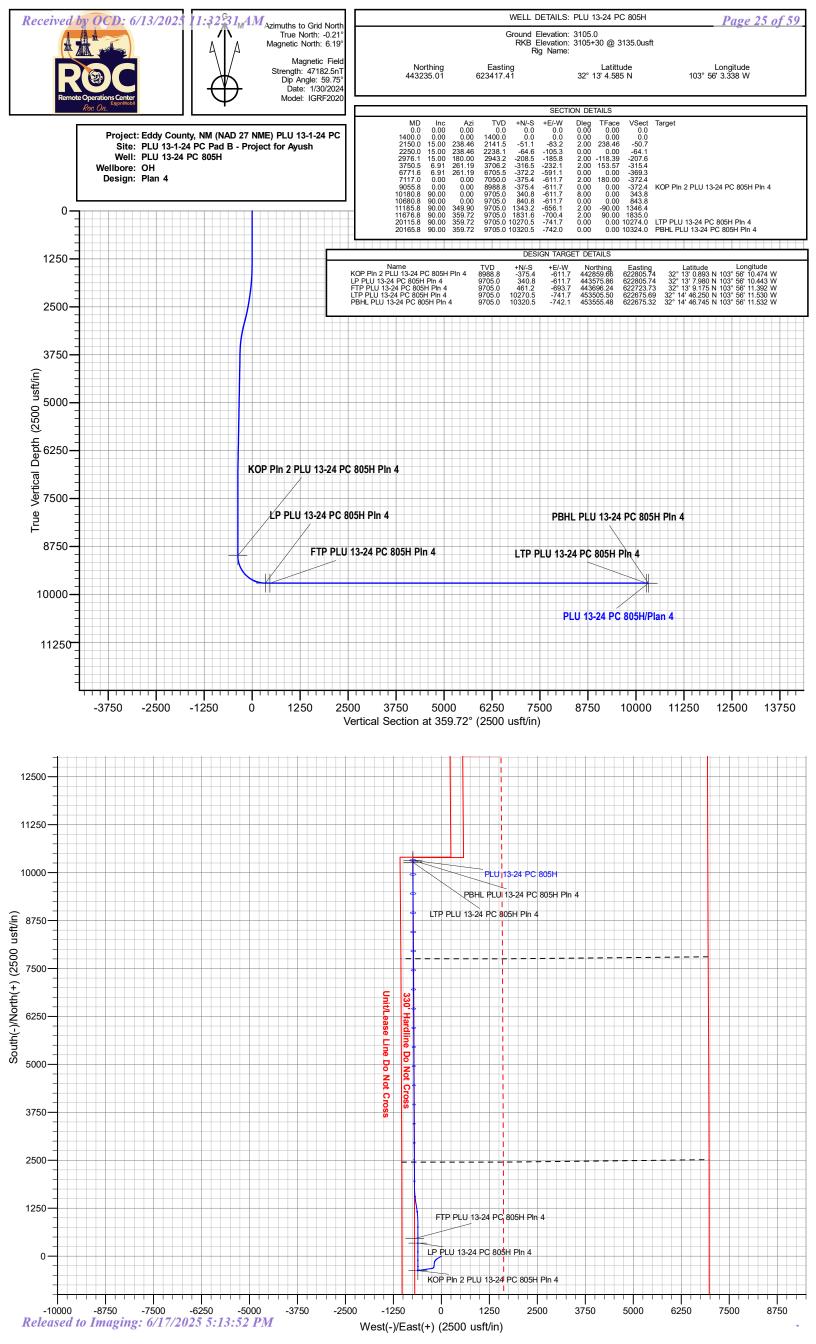
### Section 9 Summary:

The estimated bottom hole temperature of 75F to 95F. 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 is possible throughout the well.

### 10. Anticipated Starting Date and Duration of Operations

### Section 10 Summary:

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



**COMPANY ROC** 

\*HP 532/547/549/552 - Eddy County, NM (NAD 27 NME)

SITE PLU 13-1-24 PC Pad B - Project for Ayush

WELL PLU 13-24 PC 805H

WELLPATH OH
DESIGN Plan 4
DEPTHUN (ft)

**WELL INFO** 

MAP DATL NAD 1927 (NADCON CONUS)

MAP SYSTIUS State Plane 1927 (Exact solution)

MAP ZONE New Mexico East 3001

WELL LAT 32.21794

WELL LON -103.934

WELL EW I 623417.4

WELL NS N 443235

CONVERGI 0.21

MAGMOD IGRF2020

DECLINATI 6.4

NORTH RE Grid

GROUND E 3105

KB ELEVN 3135

VS AZI 359.72

### SURVEY TYPE INFORMATION

H 0.00 - 9000.00 PLAN 4 : GYD\_OMEGAX

H 9000.00 - 20165.77 PLAN 4 : XOMR2\_OWSG MWD+IFR1+MS

### **SURVEY LIST**

Measu	red Inclinati	on Azim	uth Co	urse Ler Tr	ue Vertic	SubSea TV	Local N/-S	Local E/-W	Easting	Northing
MD	INC	AZI	CL	TV	'D	SSTVD	NS	EW	Χ	Υ
	0	0	0	0	0	3135	0	0	623417.4	443235
	100	0	0	100	100	3035	0	0	623417.4	443235
	200	0	0	100	200	2935	0	0	623417.4	443235
	300	0	0	100	300	2835	0	0	623417.4	443235
	400	0	0	100	400	2735	0	0	623417.4	443235
	500	0	0	100	500	2635	0	0	623417.4	443235
	600	0	0	100	600	2535	0	0	623417.4	443235
	700	0	0	100	700	2435	0	0	623417.4	443235
	800	0	0	100	800	2335	0	0	623417.4	443235
	900	0	0	100	900	2235	0	0	623417.4	443235
1	000	0	0	100	1000	2135	0	0	623417.4	443235
1	100	0	0	100	1100	2035	0	0	623417.4	443235
1	200	0	0	100	1200	1935	0	0	623417.4	443235
1	300	0	0	100	1300	1835	0	0	623417.4	443235
1	400	0	0	100	1400	1735	0	0	623417.4	443235
1	500	2 23	38.46	100	1499.98	1635.02	-0.913	-1.487	623415.9	443234.1

1600	1	220 46	100	1500 020	1525 162	2 65	E 0.40	622411 E	112221 1
1600 1700	4 6	238.46 238.46	100	1599.838 1699.452	1435.548	-3.65 -8.209	-3.946	623411.5	443231.4
1800	8	238.46	100		1336.298	-14.584		623393.6	
1900	10	238.46	100	1897.465	1237.535	-22.766		623380.3	
2000	12	238.46	100	1995.623	1139.377	-32.747		623364.1	
2100	14	238.46	100	2093.055	1041.945	-44.513		623344.9	
2150	15	238.46	50	2141.462	993.538	-51.062		623334.2	
2200	15	238.46	50	2189.758	945.242	-57.831		623323.2	
2250	15	238.46	50	2238.055	896.945	-64.601		623312.2	
2300	14.551	234.956	50	2286.402	848.598	-71.592		623301.5	
2400	13.822	227.349	100	2383.36	751.64	-86.9		623282.4	
2500	13.35	219.067	100	2480.571	654.429	-103.959		623266.4	
2600	13.164	210.375	100	2577.916	557.084	-122.748		623253.3	
2700	13.273	201.634	100	2675.276	459.724	-143.245		623243.3	
2800	13.673	193.215	100	2772.534	362.466	-165.425		623236.4	
2900	14.338	185.413	100	2869.569	265.431	-189.259	-184.877		
2976.078	15	180		2943.171	191.829	-208.484		623231.6	
3000	14.573	180.846	23.922	2966.3	168.7	-214.589		623231.6	
3100	12.827	184.973	100	3063.454	71.546	-238.229		623230.5	
3200	11.165	190.339	100	3161.27	-26.27	-258.814		623227.8	442976.2
3300	9.63	197.468	100	3259.629	-124.629	-276.319		623223.5	
3400	8.294	207.058	100	3358.411	-223.411	-290.721	-199.7	623217.7	442944.3
3500	7.266	219.787	100	3457.497	-322.497	-302.005		623210.4	442933
3600	6.691	235.616	100	3556.765	-421.765	-310.156		623201.5	
3700	6.687	252.85	100	3656.094	-521.094	-315.163	-226.256	623191.2	442919.8
3750.506	6.908	261.187	50.506	3706.247	-571.247	-316.496	-232.068	623185.3	442918.5
3800	6.908	261.187	49.494	3755.381	-620.381	-317.408	-237.95	623179.5	442917.6
3900	6.908	261.187	100	3854.655	-719.655	-319.25	-249.835	623167.6	442915.8
4000	6.908	261.187	100	3953.93	-818.93	-321.093	-261.719	623155.7	442913.9
4100	6.908	261.187	100	4053.204	-918.204	-322.935	-273.604	623143.8	442912.1
4200	6.908	261.187	100	4152.478	-1017.48	-324.778	-285.489	623131.9	442910.2
4300	6.908	261.187	100	4251.752	-1116.75	-326.621	-297.373	623120	442908.4
4400	6.908	261.187	100	4351.026	-1216.03	-328.463	-309.258	623108.2	442906.5
4500	6.908	261.187	100	4450.3	-1315.3	-330.306	-321.143	623096.3	442904.7
4600	6.908	261.187	100	4549.575	-1414.58	-332.149	-333.028	623084.4	442902.9
4700	6.908	261.187	100	4648.849	-1513.85	-333.991	-344.912	623072.5	442901
4800	6.908	261.187	100	4748.123	-1613.12	-335.834	-356.797	623060.6	442899.2
4900	6.908	261.187	100	4847.397	-1712.4	-337.677	-368.682	623048.7	442897.3
5000	6.908	261.187	100	4946.671	-1811.67	-339.519	-380.566	623036.8	442895.5
5100	6.908	261.187	100	5045.945	-1910.95	-341.362	-392.451	623025	442893.6
5200	6.908	261.187	100	5145.22	-2010.22	-343.204	-404.336	623013.1	442891.8
5300	6.908	261.187	100	5244.494	-2109.49	-345.047	-416.22	623001.2	442890
5400	6.908	261.187	100	5343.768	-2208.77	-346.89	-428.105	622989.3	442888.1
5500	6.908	261.187	100	5443.042	-2308.04	-348.732	-439.99	622977.4	442886.3
5600	6.908	261.187	100	5542.316	-2407.32	-350.575	-451.875	622965.5	442884.4
5700	6.908	261.187	100	5641.59	-2506.59	-352.418	-463.759	622953.7	442882.6
5800	6.908	261.187	100	5740.864	-2605.86	-354.26	-475.644	622941.8	442880.8

5900	6.908	261.187		5840.139	-2705.14	-356.103		622929.9	
6000	6.908	261.187	100	5939.413	-2804.41	-357.945	-499.413	622918	442877.1
6100	6.908	261.187	100	6038.687	-2903.69	-359.788	-511.298	622906.1	442875.2
6200	6.908	261.187	100	6137.961	-3002.96	-361.631	-523.183		
6300	6.908	261.187	100	6237.235	-3102.24	-363.473		622882.3 622870.5	
6400 6500	6.908 6.908	261.187 261.187	100 100	6336.509 6435.784	-3201.51 -3300.78	-365.316 -367.159		622858.6	442869.7 442867.9
6600	6.908	261.187	100	6535.058	-3400.06	-369.001		622846.7	442866
6700	6.908	261.187	100	6634.332	-3499.33	-370.844		622834.8	442864.2
6771.648	6.908	261.187	71.648	6705.46	-3570.46	-370.844		622826.3	442862.8
6800	6.34	261.187	28.352		-3598.62	-372.665	-594.353		442862.3
6900	4.34	261.187	100	6833.183	-3698.18	-374.091		622813.9	
7000	2.34	261.187	100	6933.008	-3798.01	-374.984	-609.308		442860
7100	0.34	261.187	100	7032.976	-3897.98	-375.342			
7117.024	0	0	17.024	7050	-3915	-375.35		622805.7	442859.7
7200	0	0	82.976	7132.976	-3997.98	-375.35	-611.67		442859.7
7300	0	0	100	7232.976	-4097.98	-375.35		622805.7	
7400	0	0	100	7332.976	-4197.98	-375.35	-611.67	622805.7	442859.7
7500	0	0	100	7432.976	-4297.98	-375.35	-611.67	622805.7	442859.7
7600	0	0	100	7532.976	-4397.98	-375.35	-611.67	622805.7	442859.7
7700	0	0	100	7632.976	-4497.98	-375.35	-611.67	622805.7	442859.7
7800	0	0	100	7732.976	-4597.98	-375.35	-611.67	622805.7	442859.7
7900	0	0	100	7832.976	-4697.98	-375.35	-611.67	622805.7	442859.7
8000	0	0	100	7932.976	-4797.98	-375.35	-611.67	622805.7	442859.7
8100	0	0	100	8032.976	-4897.98	-375.35	-611.67	622805.7	442859.7
8200	0	0	100	8132.976	-4997.98	-375.35	-611.67	622805.7	442859.7
8300	0	0	100	8232.976	-5097.98	-375.35	-611.67	622805.7	442859.7
8400	0	0	100	8332.976	-5197.98	-375.35	-611.67	622805.7	442859.7
8500	0	0	100	8432.976	-5297.98	-375.35	-611.67	622805.7	442859.7
8600	0	0	100	8532.976	-5397.98	-375.35	-611.67	622805.7	442859.7
8700	0	0	100	8632.976	-5497.98	-375.35	-611.67	622805.7	442859.7
8800	0	0	100	8732.976	-5597.98	-375.35	-611.67	622805.7	442859.7
8900	0	0	100	8832.976	-5697.98	-375.35	-611.67	622805.7	442859.7
9000	0	0	100	8932.976	-5797.98	-375.35	-611.67	622805.7	442859.7
9055.824	0	0	55.824	8988.8	-5853.8	-375.35		622805.7	442859.7
9100	3.534	0			-5897.95	-373.988		622805.7	442861
9150	7.534	0		9082.705	-5947.71	-369.167		622805.7	
9200	11.534	0		9132.004	-5997			622805.7	
9250	15.534	0		9180.606	-6045.61			622805.7	
9300	19.534	0		9228.273	-6093.27			622805.7	
9350	23.534	0		9274.773	-6139.77	-315.779		622805.7	
9400	27.534	0		9319.881	-6184.88	-294.231		622805.7	
9450	31.534	0		9363.375	-6228.38			622805.7	
9500	35.534	0		9405.044	-6270.04			622805.7	442993
9550	39.534	0		9444.686	-6309.69			622805.7	
9600	43.534	0		9482.106	-6347.11			622805.7	
9650	47.534	0	50	9517.124	-6382.12	-142.695	-611.67	622805.7	443092.3

9700	51.534	0	50	9549.567	-6414.57	-104.663		622805.7	443130.3
9750	55.534	0	50	9579.278	-6444.28	-64.46	-611.67	622805.7	443170.6
9800	59.534	0	50	9606.112	-6471.11	-22.283	-611.67	622805.7	443212.7
9850	63.534	0	50	9629.939	-6494.94	21.663	-611.67	622805.7	443256.7
9900	67.534	0	50	9650.643	-6515.64	67.164	-611.67	622805.7	443302.2
9950	71.534	0	50	9668.122	-6533.12	113.998	-611.67	622805.7	443349
10000	75.534	0	50	9682.291	-6547.29	161.938	-611.67	622805.7	443396.9
10050	79.534	0	50	9693.082	-6558.08	210.749	-611.67	622805.7	443445.8
10100	83.534	0	50	9700.442	-6565.44	260.194	-611.67	622805.7	443495.2
10150	87.534	0	50	9704.334	-6569.33	310.033	-611.67	622805.7	443545
10180.82	90	0	30.824	9704.997	-6570	340.847	-611.67	622805.7	443575.9
10200	90	0	19.176	9704.997	-6570	360.023	-611.67	622805.7	443595
10300	90	0	100	9704.997	-6570	460.023	-611.67	622805.7	443695
10400	90	0	100	9704.997	-6570	560.023	-611.67	622805.7	443795
10500	90	0	100	9704.997	-6570	660.023	-611.67	622805.7	443895
10600	90	0	100	9704.997	-6570	760.023	-611.67	622805.7	443995
10680.82	90	0	80.824	9704.997	-6570	840.847	-611.67	622805.7	444075.9
10700	90	359.616	19.176	9704.997	-6570	860.023	-611.734	622805.7	444095
10800	90	357.616	100	9704.997	-6570	959.989	-614.149	622803.3	444195
10900	90	355.616	100	9704.997	-6570	1059.809	-620.05	622797.4	444294.8
11000	90	353.616	100	9704.997	-6570	1159.363	-629.432	622788	444394.4
11100	90	351.616	100	9704.997	-6570	1258.529	-642.282	622775.1	444493.5
11185.82	90	349.9	85.824	9704.997	-6570	1343.236	-656.065	622761.3	444578.2
11200	90	350.184	14.176	9704.997	-6570	1357.198	-658.517	622758.9	444592.2
11300	90	352.184	100	9704.997	-6570	1456.012	-673.843	622743.6	444691
11400	90	354.184	100	9704.997	-6570	1555.3	-685.711	622731.7	444790.3
11500	90	356.184	100	9704.997	-6570	1654.941	-694.107	622723.3	444890
11600	90	358.184	100	9704.997	-6570	1754.816	-699.021	622718.4	444989.8
11676.81	90	359.72	76.806	9704.997	-6570	1831.606	-700.426	622717	445066.6
11700	90	359.72	23.194	9704.997	-6570	1854.8	-700.539	622716.9	445089.8
11800	90	359.72	100	9704.997	-6570	1954.799	-701.029	622716.4	445189.8
11900	90	359.72	100	9704.997	-6570	2054.798	-701.518	622715.9	445289.8
12000	90	359.72	100	9704.997	-6570	2154.797	-702.007	622715.4	445389.8
12100	90	359.72	100	9704.997	-6570	2254.795	-702.497	622714.9	445489.8
12200	90	359.72	100	9704.997	-6570	2354.794	-702.986	622714.4	445589.8
12300	90	359.72	100	9704.998	-6570	2454.793	-703.475	622713.9	445689.8
12400	90	359.72	100	9704.998	-6570	2554.792	-703.965	622713.4	445789.8
12500	90	359.72	100	9704.998	-6570	2654.791	-704.454	622713	445889.8
12600	90	359.72	100	9704.998	-6570	2754.789	-704.943	622712.5	445989.8
12700	90	359.72	100	9704.998	-6570	2854.788	-705.433	622712	446089.8
12800	90	359.72	100	9704.998	-6570	2954.787	-705.922	622711.5	446189.8
12900	90	359.72	100	9704.998	-6570	3054.786	-706.411	622711	446289.8
13000	90	359.72	100	9704.998	-6570	3154.785	-706.901	622710.5	446389.8
13100	90	359.72	100	9704.998	-6570	3254.783	-707.39	622710	446489.8
13200	90	359.72	100	9704.998	-6570	3354.782	-707.879	622709.5	446589.8
13300	90	359.72	100	9704.998	-6570	3454.781	-708.369	622709	446689.8
13400	90	359.72	100	9704.998	-6570	3554.78	-708.858	622708.6	446789.8

13500	90	359.72	100	9704.998	-6570	3654.779	-709.347	622708.1	446889.8
13600	90	359.72	100	9704.998	-6570	3754.777	-709.837	622707.6	446989.8
13700	90	359.72	100	9704.998	-6570	3854.776	-710.326	622707.1	447089.8
13800	90	359.72	100	9704.998	-6570	3954.775	-710.815	622706.6	447189.8
13900	90	359.72	100	9704.998	-6570	4054.774	-711.305	622706.1	447289.8
14000	90	359.72	100	9704.998	-6570	4154.773	-711.794		447389.8
14100	90	359.72	100	9704.998	-6570	4254.771	-712.283	622705.1	
14200	90	359.72	100	9704.998	-6570	4354.77	-712.773	622704.6	
14300	90	359.72	100	9704.998	-6570	4454.769		622704.1	
14400	90	359.72	100	9704.998	-6570	4554.768		622703.7	
14500	90	359.72	100	9704.998	-6570	4654.767	-714.241		
			100	9704.998	-6570	4754.765	-714.241	622703.2	
14600	90	359.72 359.72	100	9704.998		4854.764	-714.73	622702.7	
14700	90				-6570				
14800	90	359.72	100	9704.998	-6570	4954.763	-715.709	622701.7	
14900	90	359.72	100	9704.998	-6570	5054.762	-716.198	622701.2	448289.8
15000	90	359.72	100	9704.998	-6570	5154.761	-716.687	622700.7	448389.8
15100	90	359.72	100	9704.998	-6570	5254.759	-717.176	622700.2	
15200	90	359.72	100	9704.998	-6570	5354.758	-717.666		
15300	90	359.72	100	9704.998	-6570	5454.757	-718.155	622699.3	448689.8
15400	90	359.72	100	9704.999	-6570	5554.756	-718.644	622698.8	448789.8
15500	90	359.72	100	9704.999	-6570	5654.755	-719.134	622698.3	448889.8
15600	90	359.72	100	9704.999	-6570	5754.753	-719.623	622697.8	448989.8
15700	90	359.72	100	9704.999	-6570	5854.752	-720.112	622697.3	449089.8
15800	90	359.72	100	9704.999	-6570	5954.751	-720.602	622696.8	449189.8
15900	90	359.72	100	9704.999	-6570	6054.75	-721.091	622696.3	449289.8
16000	90	359.72	100	9704.999	-6570	6154.749	-721.58	622695.8	449389.8
16100	90	359.72	100	9704.999	-6570	6254.747	-722.07	622695.3	449489.8
16200	90	359.72	100	9704.999	-6570	6354.746	-722.559	622694.9	449589.8
16300	90	359.72	100	9704.999	-6570	6454.745	-723.048	622694.4	449689.8
16400	90	359.72	100	9704.999	-6570	6554.744	-723.538	622693.9	449789.8
16500	90	359.72	100	9704.999	-6570	6654.743	-724.027	622693.4	449889.8
16600	90	359.72	100	9704.999	-6570	6754.741	-724.516	622692.9	449989.8
16700	90	359.72	100	9704.999	-6570	6854.74	-725.006	622692.4	450089.8
16800	90	359.72	100	9704.999	-6570	6954.739	-725.495	622691.9	450189.7
16900	90	359.72	100	9704.999	-6570	7054.738	-725.984	622691.4	450289.7
17000	90	359.72	100	9704.999	-6570	7154.737	-726.474	622690.9	450389.7
17100	90	359.72	100	9704.999	-6570	7254.736	-726.963	622690.4	450489.7
17200	90	359.72	100	9704.999		7354.734	-727.452	622690	450589.7
17300	90	359.72		9704.999		7454.733		622689.5	450689.7
17400	90	359.72		9704.999		7554.732	-728.431		450789.7
17500	90	359.72		9704.999		7654.731		622688.5	
17600	90	359.72		9704.999	-6570	7754.73	-729.41		450989.7
17700	90	359.72		9704.999		7854.728		622687.5	
17700	90	359.72		9704.999		7954.727	-730.388		451189.7
17900	90	359.72		9704.999		8054.726		622686.5	
18000	90	359.72		9704.999		8154.725	-730.878		451389.7
18100	90	359.72		9704.999		8254.724		622685.6	
10100	90	333.72	100	3104.333	-05/0	0234.724	-/31.830	022005.0	431409./

18200	90	359.72	100	9704.999	-6570	8354.722	-732.346	622685.1	451589.7
18300	90	359.72	100	9704.999	-6570	8454.721	-732.835	622684.6	451689.7
18400	90	359.72	100	9704.999	-6570	8554.72	-733.324	622684.1	451789.7
18500	90	359.72	100	9704.999	-6570	8654.719	-733.814	622683.6	451889.7
18600	90	359.72	100	9705	-6570	8754.718	-734.303	622683.1	451989.7
18700	90	359.72	100	9705	-6570	8854.716	-734.792	622682.6	452089.7
18800	90	359.72	100	9705	-6570	8954.715	-735.282	622682.1	452189.7
18900	90	359.72	100	9705	-6570	9054.714	-735.771	622681.6	452289.7
19000	90	359.72	100	9705	-6570	9154.713	-736.26	622681.2	452389.7
19100	90	359.72	100	9705	-6570	9254.712	-736.749	622680.7	452489.7
19200	90	359.72	100	9705	-6570	9354.71	-737.239	622680.2	452589.7
19300	90	359.72	100	9705	-6570	9454.709	-737.728	622679.7	452689.7
19400	90	359.72	100	9705	-6570	9554.708	-738.217	622679.2	452789.7
19500	90	359.72	100	9705	-6570	9654.707	-738.707	622678.7	452889.7
19600	90	359.72	100	9705	-6570	9754.706	-739.196	622678.2	452989.7
19700	90	359.72	100	9705	-6570	9854.704	-739.685	622677.7	453089.7
19800	90	359.72	100	9705	-6570	9954.703	-740.175	622677.2	453189.7
19900	90	359.72	100	9705	-6570	10054.7	-740.664	622676.7	453289.7
20000	90	359.72	100	9705	-6570	10154.7	-741.153	622676.3	453389.7
20100	90	359.72	100	9705	-6570	10254.7	-741.643	622675.8	453489.7
20115.79	90	359.72	15.791	9705	-6570	10270.49	-741.72	622675.7	453505.5
20165.77	90	359.72	49.981	9705	-6570	10320.47	-741.965	622675.4	453555.5

Latitude	Longitude	Dogleg Sev	Build Rate	Turn Rate	Vertical Section
LAT	LON	DLS	BLD	TRN	VS
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	0	0	0	0
32.21794	-103.934	2	2	0	-0.906

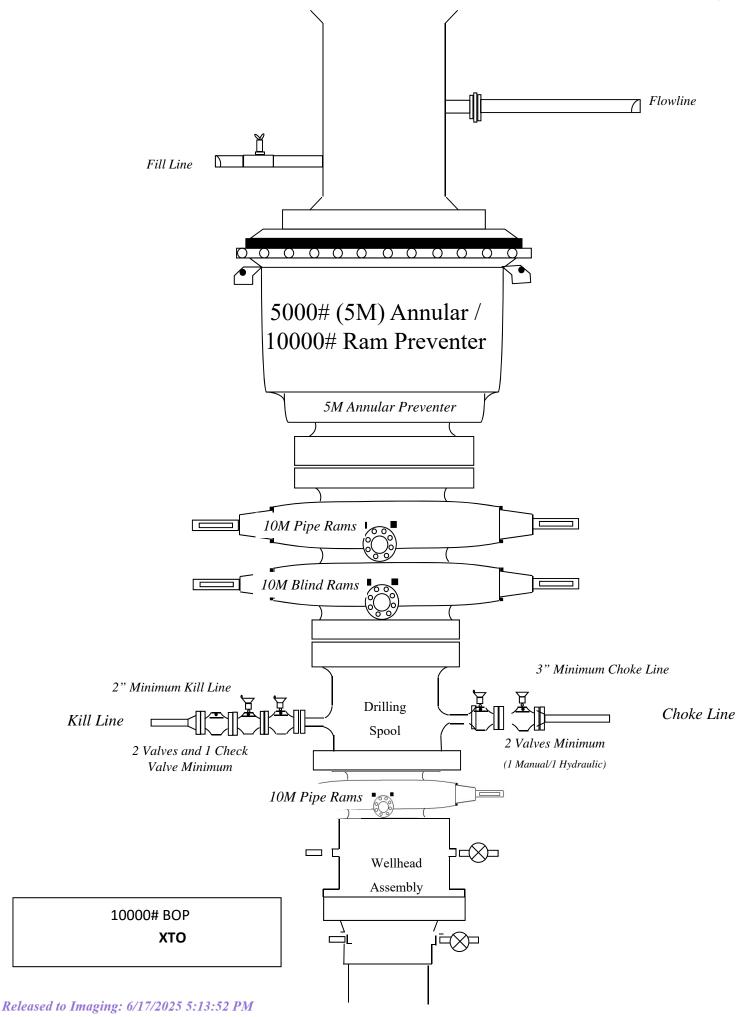
32.21793	-103.934	2	2	0	-3.621
32.21792	-103.934	2	2	0	-8.144
32.2179	-103.934	2	2	0	-14.468
32.21788	-103.934	2	2	0	-22.585
32.21785	-103.934	2	2	0	-32.486
32.21782	-103.934	2	2	0	-44.158
32.2178	-103.935	2	2	0	-50.655
32.21778	-103.935	0	0	0	-57.37
32.21776	-103.935	0	0	0	-64.085
32.21775	-103.935	2	-0.9	-7.01	-71.025
32.2177	-103.935	2	-0.73	-7.61	-86.239
32.21766	-103.935	2	-0.47	-8.28	-103.219
32.2176	-103.935	2	-0.19	-8.69	-121.945
32.21755	-103.935	2	0.11	-8.74	-142.393
32.21749	-103.935	2	0.4	-8.42	-164.538
32.21742	-103.935	2	0.66	-7.8	-188.354
32.21737	-103.935	2	0.87	-7.11	-207.573
32.21735	-103.935	2	-1.78	3.54	-213.678
32.21729	-103.935	2	-1.75	4.13	-237.313
32.21723	-103.935	2	-1.66	5.37	-257.884
32.21718	-103.935	2	-1.53	7.13	-275.368
32.21714	-103.935	2	-1.34	9.59	-289.742
32.21711	-103.935	2	-1.03	12.73	-300.99
32.21709	-103.935	2	-0.57	15.83	-309.097
32.21708	-103.935	2	0	17.23	-314.054
32.21707	-103.935	2	0.44	16.51	-315.358
32.21707	-103.935	0	0	0	-316.241
32.21707	-103.935	0	0	0	-318.025
32.21706	-103.935	0	0	0	-319.81
32.21706	-103.935	0	0	0	-321.595
32.21705	-103.935	0	0	0	-323.379
32.21705	-103.935	0	0	0	-325.164
32.21704	-103.935	0	0	0	-326.948
32.21704	-103.935	0	0	0	-328.733
32.21703	-103.935	0	0	0	-330.517
32.21703	-103.935	0	0	0	-332.302
32.21702	-103.935	0	0	0	-334.086
32.21702	-103.935	0	0	0	-335.871
32.21701	-103.935	0	0	0	-337.655
32.21701	-103.936	0	0	0	-339.44
32.217	-103.936	0	0	0	-341.224
32.217	-103.936	0	0	0	-343.009
32.21699	-103.936	0	0	0	-344.793
32.21699	-103.936	0	0	0	-346.578
32.21698	-103.936	0	0	0	-348.362
32.21698	-103.936	0	0	0	-350.147
32.21697	-103.936	0	0	0	-351.932

32.21697	-103.936	0	0	0	-353.716
32.21696	-103.936	0	0	0	-355.501
32.21696	-103.936	0	0	0	-357.285
32.21695	-103.936	0	0	0	-359.07
32.21695	-103.936	0	0	0	-360.854
32.21694	-103.936	0	0	0	-362.639
32.21694	-103.936	0	0	0	-364.423
32.21693	-103.936	0	0	0	-366.208
32.21693	-103.936	0	0	0	-367.992
32.21692	-103.936	0	0	0	-369.271
32.21692	-103.936	2	-2	0	-369.756
32.21692	-103.936	2	-2	0	-371.137
32.21692	-103.936	2	-2	0	-372.002
32.21692	-103.936	2	-2	0	-372.349
32.21692	-103.936	2	-2	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
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32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
32.21692	-103.936	0	0	0	-372.356
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32.21692	-103.936	8	8	0	-370.994
32.21693	-103.936	8	8	0	-366.174
32.21695	-103.936	8	8	0	-357.894
32.21699	-103.936	8	8	0	-346.195
32.21703	-103.936	8	8	0	-331.135
32.21708	-103.936	8	8	0	-312.786
32.21714	-103.936	8	8	0	-291.238
32.21721	-103.936	8	8	0	-266.596
32.21728	-103.936	8	8	0	-238.981
32.21737	-103.936	8	8	0	-208.526
32.21746	-103.936	8	8	0	-175.379
32.21755	-103.936	8	8	0	-139.704

32.21766	-103.936	8	8	0	-101.672
32.21777	-103.936	8	8	0	-61.47
32.21789	-103.936	8	8	0	-19.294
32.21801	-103.936	8	8	0	24.652
32.21813	-103.936	8	8	0	70.152
32.21826	-103.936	8	8	0	116.986
32.21839	-103.936	8	8	0	164.925
32.21853	-103.936	8	8	0	213.736
32.21866	-103.936	8	8	0	263.181
32.2188	-103.936	8	8	0	313.018
32.21888	-103.936	8	8	0	343.832
32.21894	-103.936	0	0	0	363.008
32.21921	-103.936	0	0	0	463.007
32.21949	-103.936	0	0	0	563.006
32.21976	-103.936	0	0	0	663.004
32.22004	-103.936	0	0	0	763.003
32.22004	-103.936	0	0	0	843.826
32.22020	-103.936	2	0	-2	863.002
32.22051	-103.936	2	0	-2 -2	962.978
32.22086 32.22113	-103.936	2 2	0	-2	1062.827
	-103.936		0	-2	1162.425
32.22141	-103.936	2	0	-2	1261.653
32.22164	-103.936	2	0	-2	1346.426
32.22168	-103.936	2	0	2	1360.4
32.22195	-103.936	2	0	2	1459.287
32.22222	-103.936	2	0	2	1558.632
32.2225	-103.936	2	0	2	1658.314
32.22277	-103.937	2	0	2	1758.211
32.22298	-103.937	2	0	2	1835.007
32.22305	-103.937	0	0	0	1858.201
32.22332	-103.937	0	0	0	1958.201
32.2236	-103.937	0	0	0	2058.201
32.22387	-103.937	0	0	0	2158.201
32.22415	-103.937	0	0	0	2258.201
32.22442	-103.937	0	0	0	2358.201
32.2247	-103.937	0	0	0	2458.201
32.22497	-103.937	0	0	0	2558.201
32.22525	-103.937	0	0	0	2658.201
32.22552	-103.937	0	0	0	2758.201
32.2258	-103.937	0	0	0	2858.201
32.22607	-103.937	0	0	0	2958.201
32.22635	-103.937	0	0	0	3058.201
32.22662	-103.937	0	0	0	3158.201
32.2269	-103.937	0	0	0	3258.201
32.22717	-103.937	0	0	0	3358.201
32.22744	-103.937	0	0	0	3458.201
32.22772	-103.937	0	0	0	3558.201

32.22799	-103.937	0	0	0	3658.201
32.22827	-103.937	0	0	0	3758.201
32.22854	-103.937	0	0	0	3858.201
32.22882	-103.937	0	0	0	3958.201
32.22909	-103.937	0	0	0	4058.201
32.22937	-103.937	0	0	0	4158.201
32.22964	-103.937	0	0	0	4258.201
32.22992	-103.937	0	0	0	4358.201
32.23019	-103.937	0	0	0	4458.201
32.23047	-103.937	0	0	0	4558.201
32.23074	-103.937	0	0	0	4658.201
32.23102	-103.937	0	0	0	4758.201
32.23102	-103.937	0	0	0	4858.201
		_	-	_	
32.23157	-103.937	0	0	0	4958.201
32.23184	-103.937	0	0	0	5058.201
32.23212	-103.937	0	0	0	5158.201
32.23239	-103.937	0	0	0	5258.201
32.23267	-103.937	0	0	0	5358.201
32.23294	-103.937	0	0	0	5458.201
32.23322	-103.937	0	0	0	5558.201
32.23349	-103.937	0	0	0	5658.201
32.23377	-103.937	0	0	0	5758.201
32.23404	-103.937	0	0	0	5858.201
32.23432	-103.937	0	0	0	5958.201
32.23459	-103.937	0	0	0	6058.201
32.23487	-103.937	0	0	0	6158.201
32.23514	-103.937	0	0	0	6258.201
32.23542	-103.937	0	0	0	6358.201
32.23569	-103.937	0	0	0	6458.201
32.23597	-103.937	0	0	0	6558.201
32.23624	-103.937	0	0	0	6658.201
32.23652	-103.937	0	0	0	6758.201
32.23679	-103.937	0	0	0	6858.201
32.23707	-103.937	0	0	0	6958.201
32.23734	-103.937	0	0	0	7058.201
32.23762	-103.937	0	0	0	7158.201
32.23789	-103.937	0	0	0	7258.201
32.23817	-103.937	0	0	0	7358.201
32.23844	-103.937	0	0	0	7458.201
32.23872	-103.937	0	0	0	7558.201
32.23899	-103.937	0	0	0	7658.201
32.23997	-103.937	0	0		7758.201
				0	
32.23954	-103.937	0	0	0	7858.201
32.23982	-103.937	0	0	0	7958.201
32.24009	-103.937	0	0	0	8058.201
32.24036	-103.937	0	0	0	8158.201
32.24064	-103.937	0	0	0	8258.201

32.24091	-103.937	0	0	0	8358.201
32.24119	-103.937	0	0	0	8458.201
32.24146	-103.937	0	0	0	8558.201
32.24174	-103.937	0	0	0	8658.201
32.24201	-103.937	0	0	0	8758.201
32.24229	-103.937	0	0	0	8858.201
32.24256	-103.937	0	0	0	8958.201
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32.24504	-103.937	0	0	0	9858.201
32.24531	-103.937	0	0	0	9958.201
32.24559	-103.937	0	0	0	10058.2
32.24586	-103.937	0	0	0	10158.2
32.24614	-103.937	0	0	0	10258.2
32.24618	-103.937	0	0	0	10273.99
32.24632	-103.937	0	0	0	10323.97



# TenarisHydril Wedge 511



Coupling	Pipe Body
Grade: P110-ICY	Grade: P110-ICY
Body: White	1st Band: White
1st Band: Pale Green	2nd Band: Pale Green
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	P110-ICY
Min. Wall Thickness	90.00 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	7.625 in.	Wall Thickness	0.375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft
Drift	6.750 in.	OD Tolerance	API
Nominal ID	6.875 in.		

Performance	
Body Yield Strength	1068 x1000 lb
Min. Internal Yield Pressure	11,070 psi
SMYS	125,000 psi
Collapse Pressure	7360 psi

#### **Connection Data**

7.625 in.
6.787 in.
3.704 in.
3.28
Regular

Performance	
Tension Efficiency	61.10 %
Joint Yield Strength	653 x1000 lb
Internal Pressure Capacity	11,070 psi
Compression Efficiency	73.80 %
Compression Strength	788 x1000 lb
Max. Allowable Bending	45.83 °/100 ft
External Pressure Capacity	7360 psi

Make-Up Torques	
Minimum	5900 ft-lb
Optimum	7100 ft-lb
Maximum	10,300 ft-lb
Operation Limit Torques	
Operating Torque	55,000 ft-lb
Yield Torque	82,000 ft-lb

#### Notes

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# TenarisHydril Wedge 511



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	7.625 in.	Wall Thickness	0.375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft
Drift	6.750 in.	OD Tolerance	API
Nominal ID	6.875 in.		

Performance	
Body Yield Strength	683 x1000 lb
Min. Internal Yield Pressure	6890 psi
SMYS	80,000 psi
Collapse Pressure	5900 psi

#### **Connection Data**

Geometry	
Connection OD	7.625 in.
Connection ID	6.787 in.
Make-up Loss	3.704 in.
Threads per inch	3.28
Connection OD Option	Regular

Performance	
Tension Efficiency	61.10 %
Joint Yield Strength	417 x1000 lb
Internal Pressure Capacity	6890 psi
Compression Efficiency	73.80 %
Compression Strength	504 x1000 lb
Max. Allowable Bending	29.33 °/100 ft
External Pressure Capacity	5900 psi

Make-Up Torques	
Minimum	5900 ft-lb
Optimum	7100 ft-lb
Maximum	10,300 ft-lb
Operation Limit Torques	
Operating Torque	35,000 ft-lb
Yield Torque	52,000 ft-lb

#### Notes

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Coupling	Pipe Body
Grade: P110-CY	Grade: P110-CY
Body: White	1st Band: White
1st Band: Grey	2nd Band: Grey
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Performance	
Body Yield Strength	641 x1000 lb
Min. Internal Yield Pressure	12,640 psi
SMYS	110,000 psi
Collapse Pressure	11,100 psi

#### **Connection Data**

Geometry	
Connection OD	6.300 in.
Coupling Length	8.408 in.
Connection ID	4.778 in.
Make-up Loss	4.204 in.
Threads per inch	5
Connection OD Option	Regular

Performance	
Tension Efficiency	100 %
Joint Yield Strength	641 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	100 %
Compression Strength	641 x1000 lb
Max. Allowable Bending	92 °/100 ft
External Pressure Capacity	11,100 psi

Make-Up Torques	
Minimum	13,860 ft-lb
Optimum	15,400 ft-lb
Maximum	16,940 ft-lb
Operation Limit Torques	
Operating Torque	26,350 ft-lb
Yield Torque	29,300 ft-lb

#### Notes

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# TenarisHydril Wedge 441®



Coupling Pipe Body Grade: P110-ICY Grade: P110-ICY Body: White 1st Band: White 1st Band: Pale Green 2nd Band: Pale Green 2nd Band: -3rd Band: Pale Green 3rd Band: -4th Band: -5th Band: -6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-ICY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		

Performance	
renormance	
Body Yield Strength	729 x1000 lb
Min. Internal Yield Pressure	14,360 psi
SMYS	125,000 psi
Collapse Pressure	12,300 psi

#### **Connection Data**

Geometry	
Connection OD	5.852 in.
Coupling Length	8.714 in.
Connection ID	4.778 in.
Make-up Loss	3.780 in.
Threads per inch	3.40
Connection OD Option	Regular

Performance	
Tension Efficiency	81.50 %
Joint Yield Strength	594 x1000 lb
Internal Pressure Capacity	14,360 psi
Compression Efficiency	81.50 %
Compression Strength	594 x1000 lb
Max. Allowable Bending	84.76 °/100 ft
External Pressure Capacity	12,300 psi

Make-Up Torques	
Minimum	15,000 ft-lb
Optimum	16,000 ft-lb
Maximum	19,200 ft-lb
Operation Limit Torques	
Operating Torque	36,000 ft-lb
Operating Torque Yield Torque	36,000 ft-lb
Yield Torque	

#### Notes

This connection is fully interchangeable with: Wedge 441\$ - 5.5 in. - 0.304 (17.00) in. (lb/ft) Wedge 461\$ - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft) Connections with Dopeless\$ Technology are fully compatible with the same connection in its doped version

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ALL DIMENSIONS APPROXIMA

## CACTUS WELLHEAD LLC

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers

XTO ENERGY INC DELAWARE BASIN			
DRAWN	VJK	31MAR	
APPRV			

DRAWING NO. HBE0000479

FORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, SCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY SUTHORIZED BY CACTUS WELLHEAD, LLC.

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

#### Description of Operations:

- Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
  - 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.

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.

Pressure Test—High Pressure			-High Pressureac	
Component to be Pressure Tested	Pressure Test—Low Pressure <sup>ac</sup> psig (MPa)	Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket	
Annular preventer <sup>b</sup>	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 <sup>bd</sup>	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP	
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP	
Choke manifold—upstream of chokes <sup>e</sup>	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		
<ul> <li>Annular(s) and VBR(s) shall be pre</li> <li>For pad drilling operations, moving pressure-controlling connections</li> <li>For surface offshore operations, the</li> </ul>	during the evaluation period. The j essure tested on the largest and sm from one wellhead to another with when the integrity of a pressure se er am BOPs shall be pressure tes land operations, the ram BOPs sh	oressure shall not decrease below the allest OD drill pipe to be used in well n the 21 days, pressure testing is req	program.  puired for pressure-containing and the closing and locking pressure	

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

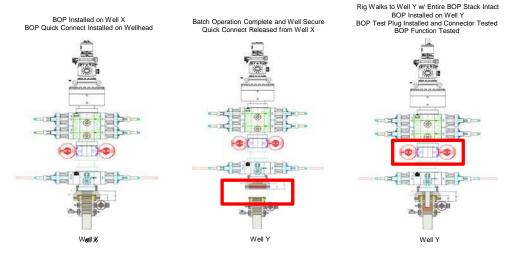
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

#### **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



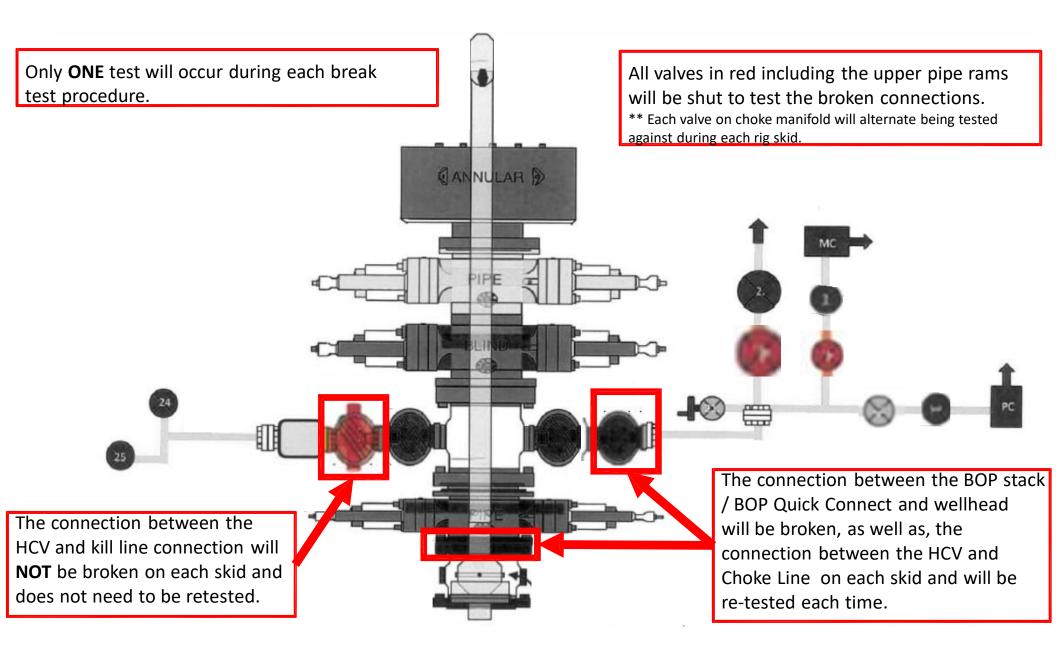
#### **Summary**

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.





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NEW CHOKE HOSE

INSTAUED 02-10-2024

## CERTIFICATE OF CONFORMANCE

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

CI	ICT	ON	AF	D.	
CU	,31	OI	AIL	n.	

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 #:

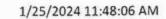
74621 H3-012524-1

SIGNATURE: 7. CUSTUS G

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

Lot number: Description:

74621/66-1531

Sales order #:

529480

Part number:

Customer reference:

FG1213

Hose ID:

3" 16C CK

TEST INFORMATION

Test procedure:

GTS-04-053

psi

Fitting 1:

3.0 x 4-1/16 10K

Test pressure: Test pressure hold: 15000.00 3600.00

sec

Part number: Description:

Work pressure:

10000.00

psi

Fitting 2:

Length:

3.0 x 4-1/16 10K

Work pressure hold: Length difference:

Length difference:

900.00 0.00

0.00

sec % inch

Part number:

Description:

feet

n . . . . /n

45

Visual check:

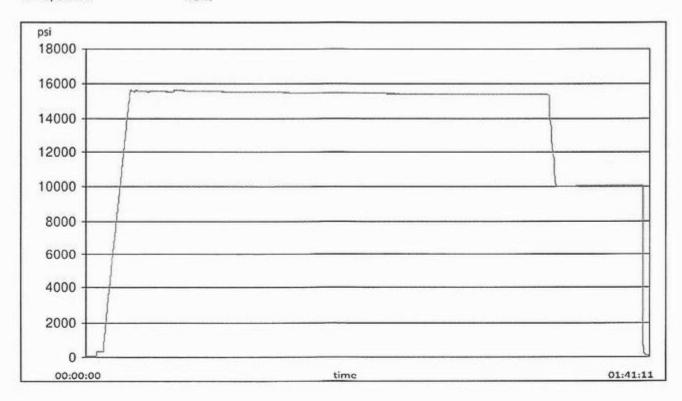
Pressure test result:

PASS

Length measurement result:

Test operator:

Travis





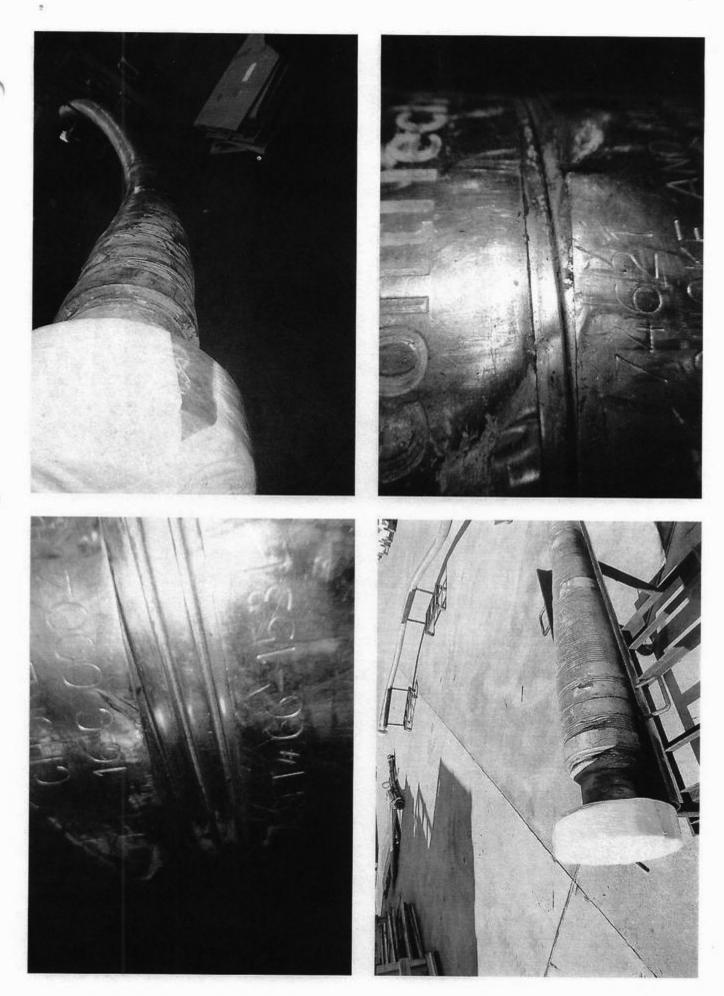
H3-15/16

1/25/2024 11:48:06 AM

# **TEST REPORT**

#### **GAUGE TRACEABILITY**

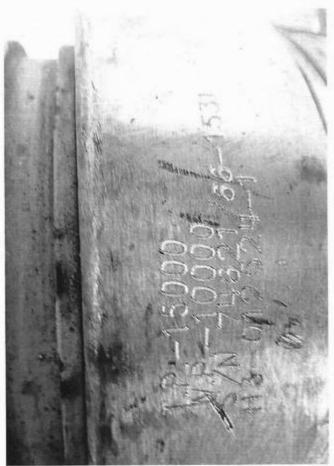
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16
Comment			
comment			
N.			

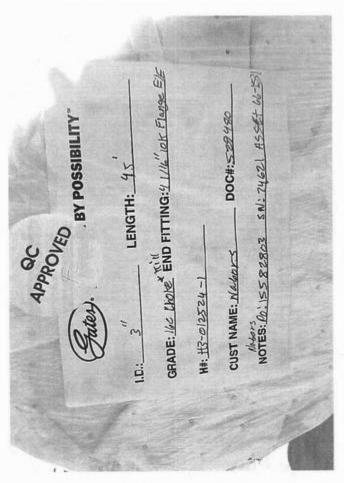


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#### **XTO Permian Operating, LLC Offline Cementing Variance Request**

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

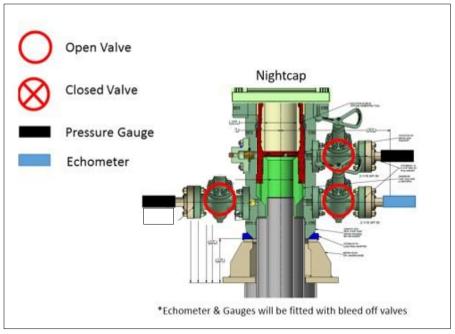
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

- 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

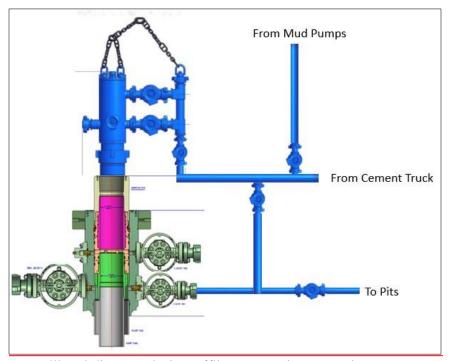
#### **XTO Permian Operating, LLC Offline Cementing Variance Request**



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 3<sup>rd</sup> 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.

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

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 474011

#### **CONDITIONS**

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	474011
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

#### CONDITIONS

Create	ted By	Condition	Condition Date
ward	d.rikala	Any previous COA's not addressed within the updated COA's still apply.	6/17/2025