Sundry Print Report 05/19/2025

Page 1 of 101

Well Name: POKER LAKE UNIT 20 BD

Well Location: T25S / R30E / SEC 20 /

SWSW / 32.10881 / -103.910419

County or Parish/State: EDDY /

NM

Well Number: 118H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC064894

BUREAU OF LAND MANAGEMENT

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: 2850023

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/29/2025

Time Sundry Submitted: 01:00

Date proposed operation will begin: 05/06/2025

Procedure Description: Poker Lake Unit 20 BD 118H XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, proposed total depth, and pool. FROM: TO: KOP: 205' FSL & 510' FWL OF SECTION 20-T25S-R30E 616' FSL & 1670' FWL OF SECTION 20-T25S-R30E FTP: 100' FNL & 1210' FWL OF SECTION 29-T25S-R30E 100' FNL & 1670' FWL OF SECTION 29-T25S-R30E LTP: 100' FSL & 1210' FWL OF SECTION 32-T25S-R30E 100' FSL & 1670' FWL OF SECTION 32-T25S-R30E BHL: 50' FSL & 1210' FWL OF SECTION 32-T25S-R30E 50' FSL & 1670' FWL OF SECTION 32-T25S-R30E The proposed total depth is changing from 20101' MD; 9257' TVD to 20450' MD; 9417' TVD. The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Corral Canyon; Bone Spring, South (13354). There is no new surface disturbance.

NOI Attachments

Procedure Description

POKER LAKE UNIT 20BD 118H Sundry Docs 20250429125715.pdf

Received by OCD: 5/3/1/2/25: 10:102R16AMUNIT 20 BD

Well Location: T25S / R30E / SEC 20 / SWSW / 32.10881 / -103.910419

County or Parish/State: EDDY /

Page 2 of 101

Well Number: 118H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC064894

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING

LLC

Conditions of Approval

Additional

253020_Poker_Lake_Unit_20_BD_118H_05_19_2025_COAs_20250519121305.pdf

Operator

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

Operator Electronic Signature: SAMANTHA WEIS Signed on: APR 29, 2025 01:00 PM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Advisor

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (832) 625-7361

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

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

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

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

Disposition: Approved Disposition Date: 05/19/2025

Signature: Chris Walls

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

	Expires: October 31, 20
ase Serial No	

DEI	ANTIMENT OF THE INTERIO	JK			.p.,,	
BUR	EAU OF LAND MANAGEME	ENT		5. Lease Serial No.	NMLC	064894
	IOTICES AND REPORTS O			6. If Indian, Allottee or Tribe	Name	
	form for proposals to drill o Use Form 3160-3 (APD) for					
	TRIPLICATE - Other instructions or	n page 2		7. If Unit of CA/Agreement, POKER LAKE UNIT/NMNM71016		and/or No.
1. Type of Well ☐ Gas V	Well Other			8. Well Name and No. POKER LAKE UNIT 20 BD/118H		
2. Name of Operator XTO PERMIAN	<u> </u>			9. API Well No.		
3a. Address 6401 HOLIDAY HILL R		e No. (includ	le area code)	10. Field and Pool or Explor	atory Ar	rea
0401 HOLIDAT HILL K	(432) 68	,		WC-015 G-06 S243119C/Bone S	-	
4. Location of Well (Footage, Sec., T., F SEC 20/T25S/R30E/NMP	R.,M., or Survey Description)		11. Country or Parish, State EDDY/NM			
12. CHE	CK THE APPROPRIATE BOX(ES) TO	O INDICAT	E NATURE (OF NOTICE, REPORT OR OT	THER D	ATA
TYPE OF SUBMISSION			TYPI	E OF ACTION		
✓ Notice of Intent	= =	Deepen	[Production (Start/Resume)		Water Shut-Off
		Hydraulic F		Reclamation		Well Integrity
Subsequent Report		New Constr		Recomplete		Other
Final Abandonment Notice		Plug and Ab Plug Back	andon [[Temporarily Abandon Water Disposal		
completion of the involved operation completed. Final Abandonment Notice is ready for final inspection.) Poker Lake Unit 20 BD 118H XTO Permian Operating, LLC. FTP, LTP, BHL, proposed total FROM: TO: KOP: 205 FSL & 510 FWL OF FTP: 100' FNL & 1210' FWL CLTP: 100' FSL & 1210' FWL CLTP: 100	SECTION 20-T25S-R30E 616 FSL OF SECTION 29-T25S-R30E 100' F OF SECTION 32-T25S-R30E 100' FSL SECTION 32-T25S-R30E 50' FSL I information	e completion ements, inclu nake the fol NL & 1670' SL & 1670' L & 1670' FV	n or recomple ding reclama lowing chan WL OF SEC FWL OF SE	tion in a new interval, a Form tion, have been completed and ges to the approved APD. CTION 20-T25S-R30E ECTION 29-T25S-R30E ECTION 32-T25S-R30E	3160-4 I the ope	must be filed once testing has beer erator has detennined that the site
SAMANTHA WEIS / Ph: (832) 625	, , , , , ,	Title	Permitting A	Advisor		
Signature (Electronic Submission	on)	Date		04/29/	2025	
	THE SPACE FOR F	EDERAI	OR STA	TE OFICE USE		
Approved by						
CHRISTOPHER WALLS / Ph: (57	5) 234-2234 / Approved		Petrole Title	eum Engineer	Date	05/19/2025
Conditions of approval, if any, are attact certify that the applicant holds legal or each which would entitle the applicant to contact to conta	equitable title to those rights in the subj		Office CAR	LSBAD		
Title 18 U.S.C Section 1001 and Title 4	3 U.S.C Section 1212, make it a crime	for any pers	on knowingly	and willfully to make to any o	departm	ent or agency of the United States

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

(Form 3160-5, page 2)

Additional Information

Additional Remarks

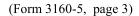
The proposed total depth is changing from 20101 MD; 9257 TVD to 20450 MD; 9417 TVD.

The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Corral Canyon; Bone Spring, South (13354).

There is no new surface disturbance.

Location of Well

0. SHL: SWSW / 205 FSL / 510 FWL / TWSP: 25S / RANGE: 30E / SECTION: 20 / LAT: 32.10881 / LONG: -103,910419 (TVD: 0 feet, MD: 0 feet) PPP: NWNW / 100 FNL / 1210 FWL / TWSP: 25S / RANGE: 30E / SECTION: 29 / LAT: 32.107987 / LONG: -103.908159 (TVD: 9257 feet, MD: 9700 feet) BHL: SWSW / 50 FSL / 1210 FWL / TWSP: 25S / RANGE: 30E / SECTION: 32 / LAT: 32.079186 / LONG: -103.908158 (TVD: 9257 feet, MD: 20101 feet)



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Permian Operating LLC
WELL NAME & NO.: Poker Lake Unit 20 BD 118H
LOCATION: Section 20, T.25S., R.30E.
COUNTY: Eddy County

COA

H2S	Yes	© No	
Potash	None	© Secretary	Ō R-111-P
Cave/Karst Potential	• Low	Medium	் High
Cave/Karst Potential	Critical		
Variance	None	Flex Hose	Other
Wellhead	Conventional	• Multibowl	© Both
Wellhead Variance	 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	□ COM	✓ Unit
Special Requirements	Batch Sundry		
Special Requirements	Break Testing	☑ Offline	☐ Casing
Variance		Cementing	Clearance

Possibility of water flows in the Castile and Salado Possibility of lost circulation in the Red Beds, Rustler, 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 **745** 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 **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - 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.

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 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

JS 5/19/2025

<u>C-102</u>						ew Mexico					Revised July 9, 2024
Submit Electronically		Ene				ral Resources D TION DIVISIO	_	ent			Initial Submittal
Via OCD Permitting			Oi	IL CON	SEKVE	TION DIVISIO	J1N		Submitta Type:	al 🖂	Amended Report
									1,100.		As Drilled
API Number		Pool Code		WELL LO	CATION Pool Nam	INFORMATION					
30-015		1.	3354		Pool Nam	e Corral Canyo	on; Bon	e Spring	g, Sout	:h	
Property Code	1	Property Name	POKE	ER LAKE UI	NIT 20 BD					Well No 118H	ımber
ORGID No. 373075		Operator Name	XTO F	PERMIAN C	OPERATIN	IG, LLC.				Ground 3,158	Level Elevation
Surface Owner: Sta	ate Fee	: Tribal 🔀	Federal			Mineral Owner: 🛛 S	State 🗌 Fo	ee 🗌 Triba	l 🛛 Fede	ral	
						Location					
UL Section M 20	Township 25 S	Range 30 E	Lot	Ft. from N, 205'	/S ' FSL	Ft. from E/W 510' FWL	Latitude 32.1088		ongitude -103.910	419	County EDDY
						le Location					
UL Section N 32	Township 25 S	Range 30 E	Lot	Ft. from N, 50' F		Ft. from E/W 1,670' FWL	Latitude 32.0791		ongitude -103.906	673	County EDDY
Dedicated Acres I	Infill or Def	fining Well	Defining	g Well API		Overlapping Spacing U	nit (Y/N)	Consolida	tion Code		
320 DEFINING						NO		U			
Order Numbers.						Well setbacks are under	Common C	Ownership:	X Yes □] No	
Kick Off Point (KOP)											
UL Section N 20	Township	Range	Lot	Ft. from N		Ft. from E/W	Latitude 32.1099		ongitude -103.906	672	County EDDY
10 20	25 S	30 E		616'		1,670' FWL Point (FTP)	32.1099		-103.900	073	EDD1
	Township	Range	Lot	Ft. from N	/S	Ft. from E/W	Latitude 32.1079		ongitude -103.906	672	County
C 29	25 S	30 E		100' I		1,670' FWL Point (LTP)	32.1079	31	-103.900	073	EDDY
	Township	Range	Lot	Ft. from N	/S	Ft. from E/W	Latitude		ongitude	.070	County
N 32	25 S	30 E		100' I	FSL	1,670' FWL	32.0793	29	-103.906	6/2	EDDY
Unitized Area or Area			Spacing	g Unit Type		tal Vertical	Gro	ound Floor E	Elevation:	0.450	
	NMI	NM-071016X								3,158'	
OPER LEON CE	DETEC					CHEMICAL CE		. TIONG			
OPERATOR CE	RTIFICA	ATIONS				SURVEYOR CE	ERTIFIC	ATIONS			
I hereby certify that the best of my knowledge a						I hereby certify that i					
interest or unleased min	ineral intere	est in the land inc	cluding th	e proposed b	ottom hole	is true and correct to	the best of	my belief. SSIONAL SURV	EYOR NO.		
an owner of such a min agreement or a compul	neral or wor	rking interest, or	to a volu	ntary pooling	?	21209, DO HEREBY CERTI ACTUAL SURVEY ON THE WERE PERFORMED BY ME	GROUND UPO OR UNDER I	N WHICH IT IS MY DIRECT SU	S BASED IPERVISION:	1	C. PAPA
If this well is a horizon						THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEGGE AND BELIEF.					
the consent of at least of interest in each tract (in	in the target	pool or formation	on) in whi	ich any part o	of the well's	14 Feb 2024 (21209)					
completed interval will division.	ве госатеа	ог ортагнеа а со	mpuisory	pooung Jorn	n tne						
Samantha	Wee	<u>.</u> 4	1/7/202	25		REGISTERED PROFESSIONA STATE OF NEW MEXICO N	0. 21209			riss	YONAL SURVE
Signature		D	Date		·	Signature and Seal of	Professiona	l Surveyor			
Samantha Wei	is										
Printed Name						Certificate Number		Date of Surv	vey		
samantha.r.bai	rtnik@e	xxonmobi	il.com			TIM C. PAPPAS 2	21209	02/13/2	2025		
Email Address	11				n	1 201 1 2		, ,	, ,		II. d. P. C.
Note: No allo	wable will i	ve assigned to ti	nis compl	etion until al	u interests k	aave been consolidated o	or a non-sta	ndard unit l	nas been o	ipprovea	by the division.
公FS		NC 28	Ph:	: 817.349.98	00 - Fax: 9	ort Worth, TX 76107 79.732.5271 irm 10193887	DATE: DRAWN I		-13-2025 LM	PROJ SCA	JECT NO: 2023040213 LE:



ACREAGE DEDICATION PLATS

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

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



	LINE TABLE							
LINE	AZIMUTH	LENGTH						
L1	69° 51'03"	1,233.77'						
L2	179° 46'29"	716.20'						
L3	179° 46'20"	10,478.83'						

NMLC 0070341 SEC. 19 T25S R30E	NMLC 0064894	SEC. 20 T25S R30E SHL 205' FSL 616' FSL 1,670' FWL	+-
SEC. 30 T25S R30E	SEC. 29 T25S R30E	B PPP #1 0' FSL 1,656' FWL C	SEC. 29 T25S R30E
SEC. 31 T255 R30E NMNM 102033 NMNM 0003103C	SEC. 32 T25S R30E	D LTP 100' FSL 1,670' FWL	SEC. 32 T258 R30E
	J BHL 50' FSL 1,670' FWL	1268 R30E	

	<u>C(</u>	OORDII	NATE TABL	<u>.E</u>		
SH	L (NAD 83 NMI	E)	LTP (NAD 83 NME)			
Y =	403,578.3	N	Y =	392,858.4	N	
X =	672,281.2	E	X =	673,483.9	Е	
LAT. =	32.108810	°N	LAT. =	32.079329	°N	
LONG. =	103.910419	°W	LONG. =	103.906672	°W	
KO	P (NAD 83 NMI	E)	ВН	L (NAD 83 NME)		
Y =	404,003.3	N	Y =	392,808.4	N	
X =	673,439.5	E	X =	673,483.9	Е	
LAT. =	32.109966	°N	LAT. =	32.079192	°N	
LONG. =	103.906673	°W	LONG. =	103.906673	°W	
FT	P (NAD 83 NMI	Ε)		•		
Y =	403,287.1	N				
X =	673,442.3	E				
LAT. =	32.107997	°N				
LONG. =	103.906673	°W				
SH	L (NAD 27 NMI	E)	LT	P (NAD 27 NME)		
Y =	403,520.0	N	Y =	392,800.4	N	
X =	631,096.3	E	X =	632,298.7	Е	
LAT. =	32.108685	°N	LAT. =	32.079204	°N	
LONG. =	103.909936	°W	LONG. =	103.906190	°W	
KO	P (NAD 27 NMI	E)	ВН	L (NAD 27 NME)		
Y =	403,945.0	N	Y =	392,750.4	N	
X =	632,254.6	Е	X =	632,298.7	Е	
LAT. =	32.109841	°N	LAT. =	32.079066	°N	
LONG. =	103.906190	°W	LONG. =	103.906191	°W	
	P (NAD 27 NMI	E)				
Y =	403,228.8	N				
X =	632,257.4	E				
LAT. =	32.107872	°N				
LONG. =	103.906190	°W				
PPP	#1 (NAD 83 NI	ΛE)	PPP	#1 (NAD 27 NM	Ξ)	
Y =	398,072.6	N	Y =	398,014.4	N	
X =	673,463.1	E	X =	632,278.0	E	
LAT. =	32.093663	°N	LAT. =	32.093537	°N	
LONG. =	103.906673	°W	LONG. =	103.906190	°W	

C	CORNER COORDINATES (NAD83 NME)									
A - Y =	403,398.9	N	A - X =	674,444.4	Ε					
B - Y =	400,741.1	Ν	B - X =	674,461.5	Е					
C - Y =	398,083.4	N	C - X =	674,478.6	Е					
D - Y =	395,424.5	N	D - X =	674,476.0	Е					
E - Y =	392,766.4	N	E-X=	674,473.4	Е					
F - Y =	403,383.2	N	F - X =	673,108.1	Е					
G - Y =	400,726.2	N	G - X =	673,125.6	Е					
H - Y =	398,069.2	N	H - X =	673,143.1	Е					
I - Y =	395,412.1	N	I - X =	673,143.2	Е					
J - Y =	392,755.6	N	J - X =	673,143.7	Е					
C	CORNER COORDINATES (NAD27 NME)									
A - Y =	403,340.6	N	A - X =	633,259.5	Е					
B - Y =	400,682.8	N	B - X =	633,276.5	Е					
C - Y =	398,025.2	N	C - X =	633,293.5	Е					
D - Y =	395,366.4	N	D - X =	633,290.8	E					
D - Y =	395,366.4 392,708.4	N N	D - X = E - X =	,						
				633,290.8	Е					
E-Y=	392,708.4	N	E - X =	633,290.8 633,288.2	E E					
E - Y = F - Y =	392,708.4 403,324.9	N N	E - X = F - X =	633,290.8 633,288.2 631,923.2	E E E					
E-Y= F-Y= G-Y=	392,708.4 403,324.9 400,667.9	N N N	E-X= F-X= G-X=	633,290.8 633,288.2 631,923.2 631,940.6	E E E					



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TBPE Firm 17957 | TBPLS Firm 10193887
Www.fscinc.net
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 DATE:
 2-13-2025
 PROJECT NO:
 2023040213

 DRAWN BY:
 LM
 SCALE:
 1" = 2,000°

 CHECKED BY:
 CH
 SHEET:
 2 OF 2

 FIELD CREW:
 IR
 REVISION:

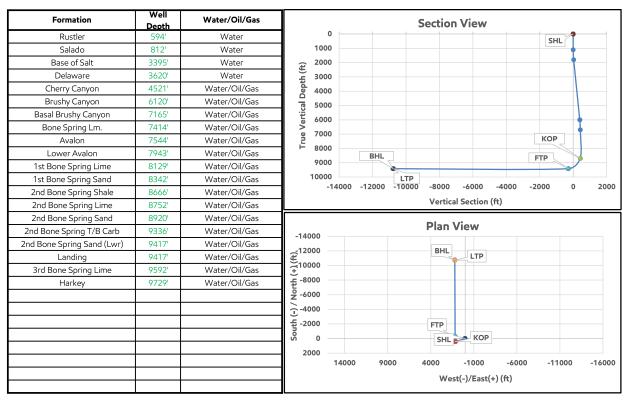
DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

ExxonMobil Poker Lake Unit 20BD - 118H Projected TD: 20450' MD / 9417' TVD SHL: 205' FSL & 510' FWL , Section 20, T255, R30E BHL: 50' FSL & 1670' FWL , Section 32, T255, R30E Eddy County, NM

1. Geologic Name of Surface Formation

Quaternary

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



	Inclination (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
КОР	0	0	8701	425	1158
LP	90	180	9417	-291	1161
FTP	90	180	9417	-291	1161
LTP	90	180	9417	-10720	1202
BHL	90	180	9417	-10770	1203

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 787' 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' - 787'	787'	9-5/8"	40	J55	ВТС	New	16.36	15.08	5.55
8.75"	0' - 4000'	3926'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.01	8.66	3.43
8.75"	4000' - 8697'	8551'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.34	5.99	2.48
6.75"	0' - 8597'	8451'	5-1/2"	20	P110-CY	TPN	New	1.18	3.03	2.50
6.75"	8597' - 20450'	9417'	5-1/2"	20	P110-IC	Tenaris Wedge 441	New	1.18	3.02	2.69

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.

The planned kick off point is located at: 8847' MD / 8701' 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

			P	rimary Cementi	ng			
Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	145	12.4	2.11	0	787	100%	
Surface 1	Tail	141	14.8	1.33	487	787	100%	
Intermediate 1	Lead							
Intermediate 1	Tail	241	14.8	1.45	6120	8,697	0%	
Production 1	Lead							
Production 1	Tail	2687	13.2	1.44	8197	20,450	25%	
•		•						

Remedial Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
	Bradenhead						Intermediate Class C Bradenhead
Intermediate 1	Squeeze	636	14.8	1.45	0 - 6120'	50%	Squeeze Cement
	1			l		I	

Section 4 Summary:

*Bradenhead	Squeeze	2nd	Stage	Offline

5. Pressure Control Equipment

C	-	Summarv:
Section	Э.	Summary:

Section 5 Summary.
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 at the deepest intermediate casing point is less than 4800psi.
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 will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.
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' - 787'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
787' – 8697'	8.75"	BDE/OBM or FW/Brine		30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
8697' - 20450'	6.75"	ОВМ	9 - 9.6	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.

Spud with fresh water/native mud. Drill out from under surface casing with a fully saturated brine while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. 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:

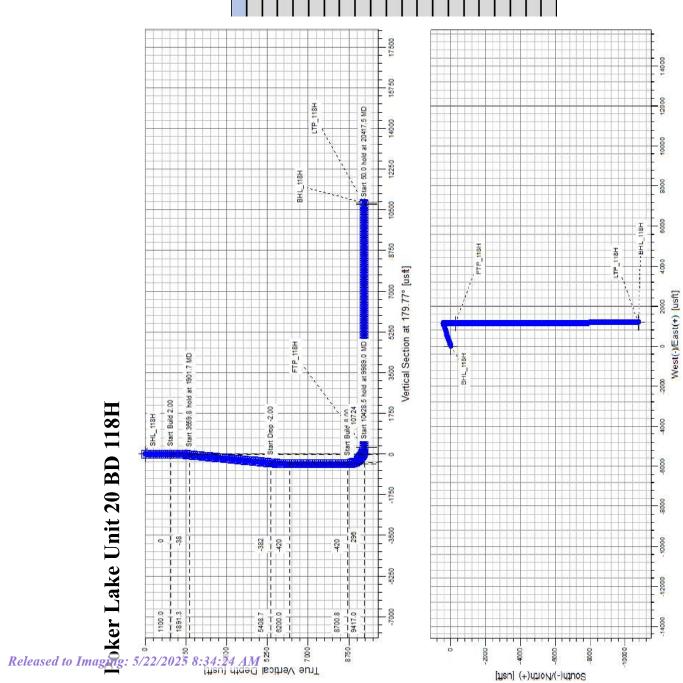
The estimated bottom hole temperature of 160F to 180F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. 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.

Formation	TVDSS (feet)	TVD (feet)
Rustler	2,696*	494.
Salado	2,367	823*
Base of Salt	-205'	3,395
Delaware	-430	3,620*
Cherry Canyon	-1,331'	4,521'
Brushy Canyon	-2,930'	6,120
Basal Brushy Canyon	-3,975'	7,165
Bone Spring Lm.	-4,224	7,414
Avaion	-4,354'	7,544*
Lower Avalon	-4,753*	7,943*
1st Bone Spring Lime	-4,939'	8,129*
1st Bone Spring Sand	-5,152'	8,342"
2nd Bone Spring Shale	-5,476'	,999'8
2nd Bone Spring Lime	-5,562'	8,752*
2nd Bone Spring Sand	-5,730'	8,920*
2nd Bone Spring T/B Carb	-6,146*	9,336*
2nd Bone Spring Sand (Lwr)	-6,227	9,417"
2nd BS Sand Lower Landing	-6,227	9,417
3rd Bone Spring Lime	-6,402*	9,592*
Harkey	-6.539'	9.729



Semi-major Semi-minor Semi-minor Tool

Well Plan Report - Poker Lake Unit 20 BD 118H

	∢	Poker Lake Unit 20 BD	118H							
Well Plan Report	Site:	Slot: Poker La								
oker Lake Unit 20 BD 118H	20450.30 ft	9417.00 ft		New Mexico East - NAD 27	403520.00 ft	631096.30 ft	3190.00 ft	3158.00 ft	Grid	0.23 Deg
1/24/25, 3:03 PM Personal - Poker Lake Unit 20	Buisbur Measured Depth:	TVD RKB:	Location	aphic ce System:	Northing:	Easting:	M RKB:	Ground Level:	North Reference:	Convergence Angle:

Plan Sections	Pok	Poker Lake Unit 20 BD 118H	BD 118H					
Measured			DVT			Build	Turn	Dogleg
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(#)	(Ded)	(Deg)	(#)	(#)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target
00.00	00.00	00.00	00.00	00.00	00.00	0.00	0.00	0.00
1100.00	00.00	00.00	1100.00	00.00	00.00	0.00	0.00	0.00
1808.29	14.17	69.85	1801.10	30.01	81.78	2.00	0.00	2.00
6137.75	14.17	69.85	5998.90	394.98	1076.48	0.00	0.00	0.00
6846.04	00.00	00.00	00.0079	424.99	1158.26	-2.00	0.00	2.00
8846.84	00.00	00.00	8700.80	424.99	1158.26	0.00	0.00	00.00
9971.84	00.06	179.77	9417.00	-291.20	1161.10	8.00	0.00	8.00 FTP 3
20400.32	00'06	179.77	9417.00	-10719.60	1202.40	00.00	00.00	0.00 LTP 3
20450.30	00'06	179.77	9417.00	-10769.58	1202.60	0.00	0.00	0.00 BHL 3

	Magnitude	
	Vertica	
Н8	Lateral	
Poker Lake Unit 20 BD 118H	TVD Highside	
Position Uncertainty	Measured	

Well Plan Report

2/8

	-6.574 MWD+IFR1+MS	-6.063 MWD+IFR1+MS	-5.531 MWD+IFR1+MS	4.977 MWD+IFR1+MS	-4.395 MWD+IFR1+MS	-3.784 MWD+IFR1+MS	-3.138 MWD+IFR1+MS	-2.453 MWD+IFR1+MS	-1.723 MWD+IFR1+MS	-0.943 MWD+IFR1+MS	-0.105 MWD+IFR1+MS	0.799 MWD+IFR1+MS	1.779 MWD+IFR1+MS	2.845 MWD+IFR1+MS	4.010 MWD+IFR1+MS	5.288 MWD+IFR1+MS	6.694 MWD+IFR1+MS	8.247 MWD+IFR1+MS	9.964 MWD+IFR1+MS	11.865 MWD+IFR1+MS	13.966 MWD+IFR1+MS	16.282 MWD+IFR1+MS	18.819 MWD+IFR1+MS	21.570 MWD+IFR1+MS	24.516 MWD+IFR1+MS	27.617 MWD+IFR1+MS	30.816 MWD+IFR1+MS	34.042 MWD+IFR1+MS	37.221 MWD+IFR1+MS	40.287 MWD+IFR1+MS	43.184 MWD+IFR1+MS	44.438 MWD+IFR1+MS	46.004 MWD+IFR1+MS
	11.738	12.137	12.536	12.936	13.336	13.736	14.137	14.538	14.939	15.340	15.742	16.143	16.544	16.946	17.347	17.748	18.149	18.549	18.949	19.348	19.746	20.144	20.541	20.936	21.330	21.722	22.113	22.502	22.889	23.275	23.659	23.803	24.042
	13.079	13.414	13.751	14.092	14.434	14.779	15.127	15.476	15.827	16.181	16.536	16.892	17.251	17.611	17.973	18.336	18.701	19.067	19.435	19.805	20.176	20.550	20.925	21.303	21.683	22.065	22.449	22.837	23.226	23.618	24.011	24 156	24.396
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	4.514 0.000	4.633 0.000	4.754 0.000	4.877 0.000	5.001 0.000	5.128 0.000	5.256 0.000	5.386 0.000	5.518 0.000	5.651 0.000	5.785 0.000	5.922 0.000	000.0 090.9	6.200 0.000	6.341 0.000	6.484 0.000	6.628 0.000	6.774 0.000	6.922 0.000	7.071 0.000	7.222 0.000	7.375 0.000	7.529 0.000	7.686 0.000	7.843 0.000	8 003 0 000	8.164 0.000	8 327 0 000	8.492 0.000	8.658 0.000	8.827 0.000	8.891 0.000	8.997 0.000
	11.816 0.000	12.216 0.000	2.617 0.000	3.018 0.000	3.420 0.000	3.822 0.000	14.224 0.000	14.627 0.000	5.030 0.000	5.433 0.000	5.837 0.000	16.241 0.000	6.645 0.000	17.049 0.000	17.453 0.000	7.858 0.000	8.262 0.000	8.667 0.000	9.072 0.000	19.477 0.000	9.883 0.000	0.288 0.000	20.694 0.000	21.099 0.000	21.505 0.000	21 911 0 000	22.316 0.000	22.722 0.000	23.128 0.000	3.535 0.000	3.941 0.000	24.092 0.000	24.338 0.000
	13.042 0.000 1	13.386 0.000 1	13.732 0.000 1	14.081 0.000 1	14.433 0.000 1	14.787 0.000 1	15.144 0.000 1	15.502 0.000 1	15.862 0.000 1	16.225 0.000 1	16.588 0.000 1	16.954 0.000 1	17.320 0.000 1	17.688 0.000 1	18.058 0.000 1	18.428 0.000 1	18.800 0.000 1	19.173 0.000 1	19.547 0.000 1	19.922 0.000 1	20.297 0.000 1	20.674 0.000 2	21.051 0.000 2	21.429 0.000 2	21.808 0.000 2	22 187 0 000 2	22.568 0.000 2	22.948 0.000 2	23.330 0.000 2	23.712 0.000 2	24.094 0.000 2	24.236 0.000 2	24.495 0.000 2
	3053.527	3150.486	3247.445	3344 405	3441 364	3538 323	3635 282	3732.241	3829.200	3926.159	4023.119	4120.078	4217.037	4313.996	4410.955	4507.914	4604 874	4701.833	4798.792	4895 751	4992.710	5089 669	5186 628	5283 588	5380.547	5477.506	5574.465	5671.424	5768.383	5865.343	5962 302	5998 903	6059.422
	69.851	69.851	69.851	69 851	69.851	69.851	69.851	69.851	69.851	69.851	69 851	69.851	69.851	69.851	69.851	69.851	69 851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851
	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	12.921
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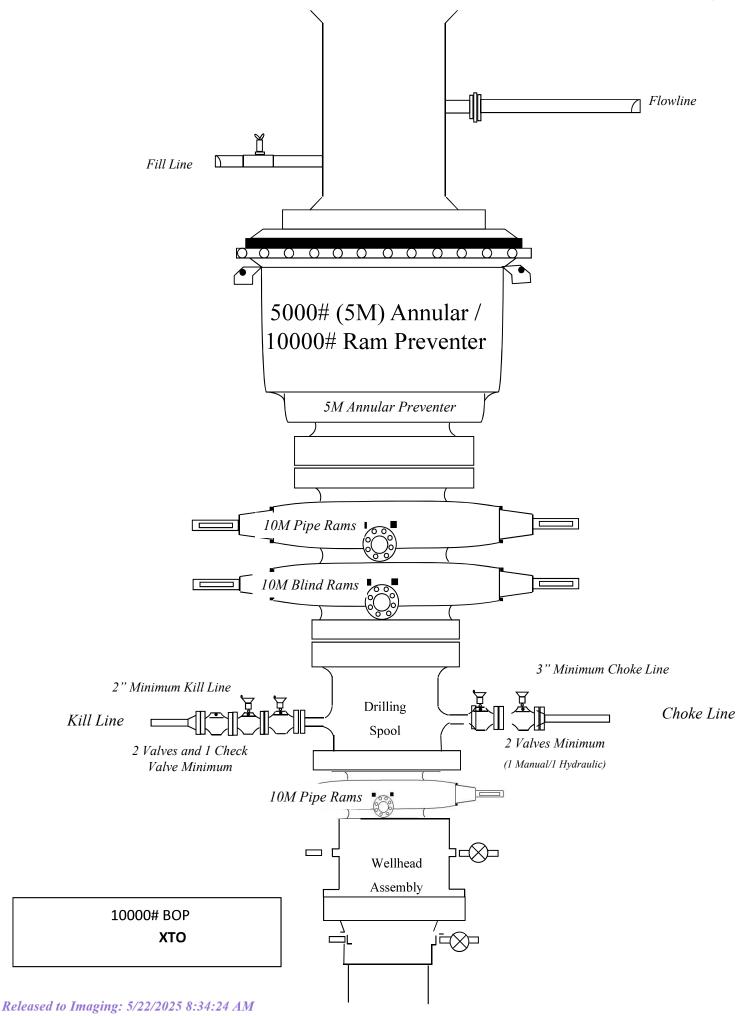
	42.874 MWD+IFR1+MS	35.706 MWD+IFR1+MS	28.280 MWD+IFR1+MS	21.576 MWD+IFR1+MS	16.145 MWD+IFR1+MS	12.003 MWD+IFR1+MS	11.665 MWD+IFR1+MS	11.927 MWD+IFR1+MS	12.125 MWD+IFR1+MS	12.015 MWD+IFR1+MS	11.896 MWD+IFR1+MS	11.767 MWD+IFR1+MS	11.626 MWD+IFR1+MS	11.472 MWD+IFR1+MS	11.302 MWD+IFR1+MS	11.115 MWD+IFR1+MS	10.908 MWD+IFR1+MS	10.676 MWD+IFR1+MS	10.417 MWD+IFR1+MS	10.123 MWD+IFR1+MS	9.788 MWD+IFR1+MS	9.404 MWD+IFR1+MS	8.957 MWD+IFR1+MS	8.433 MWD+IFR1+MS	7.809 MWD+IFR1+MS	7.055 MWD+IFR1+MS	6.127 MWD+IFR1+MS	6.557 MWD+IFR1+MS	9.272 MWD+IFR1+MS	92.339 MWD+IFR1+MS	92.967 MWD+IFR1+MS	93.160 MWD+IFR1+MS	93.347 MWD+IFR1+MS
	24.459	24.883	25.287	25.669	26.031	26.377	26.529	26.705	27.032	27.363	27.695	28.028	28.361	28.695	29.030	29.365	29.700	30.037	30.373	30.710	31.048	31.386	31.724	32.063	32.402	32.742	33.082	33.239	33.429	33.805	34.079	34.334	34.569
	24.798	25.213	25.629	26.046	26.460	26.871	27.017	27.180	27.486	27.795	28.105	28.417	28.729	29.043	29.357	29.673	29.989	30.306	30.625	30.944	31.264	31.585	31.907	32.229	32.553	32.877	33.201	33.352	33.517	34.443	35.837	37.048	38.060
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	9.172 0.000	9.342 0.000	9.505 0.000	000'0 659'6	9.808 0.000	9.952 0.000	10.017 0.000	10.093 0.000	10.236 0.000	10.382 0.000	10.531 0.000	10.683 0.000	10.837 0.000	10.995 0.000	11.156 0.000	11.319 0.000	11.486 0.000	11.656 0.000	11.829 0.000	12.005 0.000	12.184 0.000	12.366 0.000	12.551 0.000	12.740 0.000	12.931 0.000	13.126 0.000	13.324 0.000	13.417 0.000	13.524 0.000	13.769 0.000	14.198 0.000	14.877 0.000	15.847 0.000
	24.729 0.000	25.110 0.000	25.479 0.000	5.836 0.000	26.182 0.000	26.517 0.000	26.997 0.000	27.160 0.000	27.467 0.000	27.777 0.000	28.088 0.000	28.401 0.000	28.714 0.000	29.029 0.000	29.345 0.000	29.661 0.000	00000 626.62	30.297 0.000	30.617 0.000	30.937 0.000	31.258 0.000	31.580 0.000	31.902 0.000	32.226 0.000	32.550 0.000	32.875 0.000	33.200 0.000	33.351 0.000	33.515 -0.000	33.806 -0.000	34.084 -0.000	34.344 -0.000	34.583 -0.000
	24.946 0.000 24	25.396 0.000 28	25.806 0.000 25	26.177 0.000 25	26.509 0.000 26	26.801 0.000 26	26.549 0.000 26	26.726 0.000 27	27.052 0.000 27	27.382 0.000 27	27.713 0.000 28	28.044 0.000 28	28.376 0.000 28	28.709 0.000 29	29.042 0.000 28	29.376 0.000 29	29.711 0.000 28	30.046 0.000 30	30.381 0.000 30	30.718 0.000 30	31.054 0.000 31	31.391 0.000 31	31.729 0.000 31	32.067 0.000 32	32.405 0.000 32	32.744 0.000 32	33.083 0.000 33	33.241 0.000 33	33.246 0.000 33	33.537 0.000 33	33.826 0.000 34	33.617 0.000 34	32.979 0.000 34
	69.851 6157.260	69.851 6255.760	69.851 6354.801	69.851 6454.262	69.851 6554.023	69.851 6653.962	0.000 6700.000	0.000 6753.960	0.000 6853.960	0.000 6953.960	0.000 7053.960	0.000 7153.960	0.000 7253.960	0.000 7353.960	0.000 7453.960	0.000 7553.960	0.000 7653.960	0.000 7753.960	0.000 7853.960	0.000 7953.960	0.000 8053.960	0.000 8153.960	0.000 8253.960	0.000 8353.960	0.000 8453.960	0.000 8553.960	0.000 8653.960	0.000 8700.803	179.773 8753.911	179.773 8852.795	179.773 8948.721	179.773 9039.821	179.773 9124.323
	10.921 69	8.921 69	6.921 69	4.921 69	2.921 69	0.921 69	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000 0	0.000	0.000	0.000	0.000	4.253 179	12.253 179	20.253 179	28.253 179	36.253 179
1/24/25, 3:03 PM	6300.000	6400.000	6500.000	000'0099	6700.000	000'0089	6846.040	000.0069	7000.000	7100.000	7200.000	7300.000	7400.000	7500.000	7600.000	7700.000	7800.000	7900.000	8000.000	8100.000	8200.000	8300.000	8400.000	8500.000	8600.000	8700.000	8800.000	8846.843	8900.000	000'0006	9100.000	9200.000	9300.000
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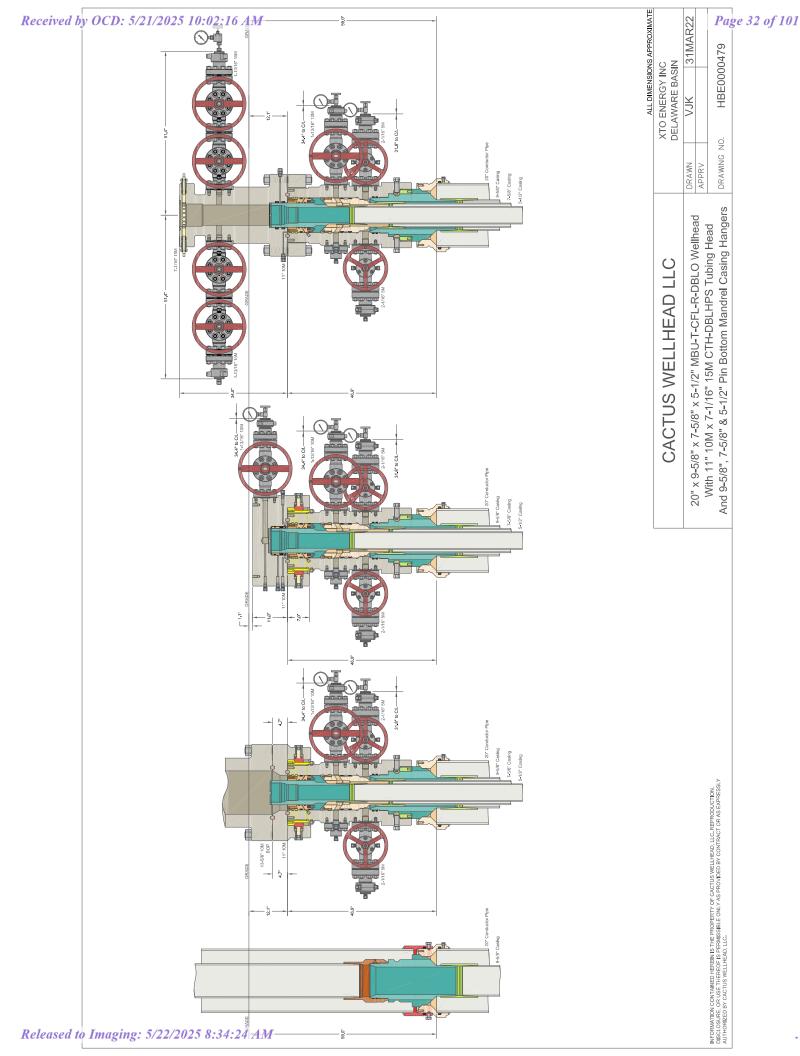
	93.592 MWD+IFR1+MS	93.926 MWD+IFR1+MS	94.373 MWD+IFR1+MS	94.954 MWD+IFR1+MS	95.680 MWD+IFR1+MS	96.538 MWD+IFR1+MS	97.194 MWD+IFR1+MS	97.460 MWD+IFR1+MS	98.450 MWD+IFR1+MS	99.508 MWD+IFR1+MS	100.645 MWD+IFR1+MS	101.874 MWD+IFR1+MS	103.212 MWD+IFR1+MS	104.678 MWD+IFR1+MS	106.293 MWD+IFR1+MS	108.079 MWD+IFR1+MS	110.060 MWD+IFR1+MS	112.257 MWD+IFR1+MS	114.689 MWD+IFR1+MS	117.365 MWD+IFR1+MS	120.282 MWD+IFR1+MS	123.417 MWD+IFR1+MS	126.722 MWD+IFR1+MS	130.127 MWD+IFR1+MS	133.549 MWD+IFR1+MS	-43.102 MWD+IFR1+MS	-39.902 MWD+IFR1+MS	-36.911 MWD+IFR1+MS	-34.160 MWD+IFR1+MS	-31.664 MWD+IFR1+MS	-29.419 MWD+IFR1+MS	-27.408 MWD+IFR1+MS	-25.613 MWD+IFR1+MS
	34.783	34.977	35.149	35.300	35.429	35.535	35.593	35.613	35.700	35.809	35 934	36 075	36.232	36.403	36.586	36.780	36 984	37.194	37.408	37.623	37.836	38.043	38.241	38.426	38.598	38.755	38.895	39.021	39 133	39.233	39.321	39.401	39.473
	38.868	39.476	39.900	40.166	40.307	40.367	40.385	40.391	40.415	40.443	40.475	40.512	40.555	40.604	40.660	40.725	40.800	40.888	40.990	41.109	41.249	41.411	41.599	41.816	42.062	42.339	42.647	42,985	43.350	43,741	44.156	44.593	45.051
ort	0.000	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000'0	0.000
Well Plan Report	17.105 0.000	18.614 0.000	20.313 0.000	22.137 0.000	24.015 0.000	25.886 0.000	26.651 0.000	26.725 0.000	26.941 0.000	27.182 0.000	27.443 0.000	27.724 0.000	28.024 0.000	28.342 0.000	28.679 0.000	29.033 0.000	29.403 0.000	29.790 0.000	30.192 0.000	30.609 0.000	31.040 0.000	31.485 0.000	31.943 0.000	32.414 0.000	32.896 0.000	33.390 0.000	33.895 0.000	34.410 0.000	34.936 0.000	35.471 0.000	36.015 0.000	36.568 0.000	37.129 0.000
	34.802 -0.000	35.002 -0.000	35.182 -0.000	35.343 -0.000	35.485 -0.000	35.607 -0.000	35.679 -0.000	35.704 -0.000	35.815 -0.000	35.949 -0.000	36.105 -0.000	36.282 -0.000	36.478 -0.000	36.695 -0.000	36.932 -0.000	37.188 -0.000	37.463 -0.000	37.757 -0.000	38.068 -0.000	38.398 -0.000	38.744 -0.000	39.107 -0.000	39.487 -0.000	39.883 -0.000	40.293 -0.000	40.719 -0.000	41.159 -0.000	41.613 -0.000	42.081 -0.000	42.562 -0.000	43.055 -0.000	43.561 -0.000	44.078 -0.000
	32.003 0.000	30.808 0.000	29.539 0.000	28.373 0.000	27.501 0.000	27.105 0.000	26.651 0.000	26.725 0.000	26.941 0.000	27.182 0.000	27.443 0.000	27.724 0.000	28.024 0.000	28.342 0.000	28.679 0.000	29.033 0.000	29.403 0.000	29.790 0.000	30.192 0.000	30.609 0.000	31.040 0.000	31.485 0.000	31.943 0.000	32.414 0.000	32.896 0.000	33.390 0.000	33.895 0.000	34.410 0.000	34.936 0.000	35.471 0.000	36.015 0.000	36.568 0.000	37.129 0.000
	179.773 9200.581	179.773 9267.112	179.773 9322.620	179.773 9366.025	179.773 9396.483	179.773 9413.400	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000
	44.253 1	52.253 1	60.253 1	68.253 1	76.253 1	84.253 1	90.000 1	90,000	90.000	90.000	90.000 1	90.000 1	90.000	90.000	90.000	90.000 1	90.000 1	90.000	90.000	90 000 1	90.000	90.000	90.000 1	90 000 1	90.000	90.000	90.000	90.000	90.000 1	90.000	90.000 1	90.000	90.000
1/24/25, 3:03 PM	9400.000	9200.000	9600.000	9700.000	9800.000	000'0066	9971.843	10000.000	10100.000	10200.000	10300.000	10400.000	10500.000	10600.000	10700.000	10800.000	10900.000	11000.000	11100.000	11200.000	11300.000	11400.000	11500.000	11600.000	11700.000	11800.000	11900.000	12000.000	12100.000	12200.000	12300.000	12400.000	12500.000
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	-24.011 MWD+IFR1+MS	-22.578 MWD+IFR1+MS	-21.296 MWD+IFR1+MS	-20.144 MWD+IFR1+MS	-19.106 MWD+IFR1+MS	-18.168 MWD+IFR1+MS	-17.317 MWD+IFR1+MS	-16.543 MWD+IFR1+MS	-15.836 MWD+IFR1+MS	-15.187 MWD+IFR1+MS	-14.592 MWD+IFR1+MS	-14.042 MWD+IFR1+MS	-13.534 MWD+IFR1+MS	-13.063 MWD+IFR1+MS	-12.626 MWD+IFR1+MS	-12.218 MWD+IFR1+MS	-11.837 MWD+IFR1+MS	-11.480 MWD+IFR1+MS	-11.145 MWD+IFR1+MS	-10.831 MWD+IFR1+MS	-10.534 MWD+IFR1+MS	-10.255 MWD+IFR1+MS	-9.991 MWD+IFR1+MS	-9.741 MWD+IFR1+MS	-9.504 MWD+IFR1+MS	-9.279 MWD+IFR1+MS	-9.065 MWD+IFR1+MS	-8.862 MWD+IFR1+MS	-8.668 MWD+IFR1+MS	-8.483 MWD+IFR1+MS	-8.306 MWD+IFR1+MS	-8.137 MWD+IFR1+MS	-7.975 MWD+IFR1+MS
	39.538	39.598	39.653	39.705	39.753	39.799	39.842	39.884	39.924	39.963	40.001	40.038	40.075	40.110	40.146	40.181	40.216	40.251	40.285	40.320	40.354	40.389	40.424	40.458	40.493	40.529	40.564	40.600	40.635	40.672	40.708	40.745	40.782
	45.526	46.019	46.528	47.051	47.587	48.137	48.698	49.271	49.854	50.447	51.050	51.661	52.281	52.910	53.546	54.190	54.841	55.498	56.162	56.833	57.509	58.192	58.880	59.573	60.271	60.974	61.682	62.395	63.112	63.833	64.558	65.287	66.020
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	37.698 0.000	38.275 0.000	38.859 0.000	39.451 0.000	40.048 0.000	40.652 0.000	41.263 0.000	41.879 0.000	42.500 0.000	43.127 0.000	43.759 0.000	44.396 0.000	45.038 0.000	45.684 0.000	46.334 0.000	46.988 0.000	47.647 0.000	48.309 0.000	48.975 0.000	49.644 0.000	50.317 0.000	50.992 0.000	51.671 0.000	52.353 0.000	53.038 0.000	53.725 0.000	54.415 0.000	55.108 0.000	55.803 0.000	56.500 0.000	57.200 0.000	57.902 0.000	58.606 0.000
	44.607 -0.000	45.147 -0.000	45.698 -0.000	46.258 -0.000	46.829 -0.000	47.409 -0.000	47.998 -0.000	48.596 -0.000	49.202 -0.000	49.817 -0.000	50.439 -0.000	51.070 -0.000	51.707 -0.000	52.352 -0.000	53.003 -0.000	53.661 -0.000	54.325 -0.000	54.995 -0.000	55.671 -0.000	56.353 -0.000	57.040 -0.000	57.733 -0.000	58.430 -0.000	59.133 -0.000	59.840 -0.000	60.552 -0.000	61.268 -0.000	61.988 -0.000	62.712 -0.000	63.441 -0.000	64.173 -0.000	64.909 -0.000	65.648 -0.000
	37.698 0.000	38.275 0.000	38.859 0.000	39.451 0.000	40.048 0.000	40.652 0.000	41.263 0.000	41.879 0.000	42.500 0.000	43.127 0.000	43.759 0.000	44.396 0.000	45.038 0.000	45.684 0.000	46.334 0.000	46.988 0.000	47.647 0.000	48.309 0.000	48.975 0.000	49.644 0.000	50.317 0.000	50.992 0.000	51.671 0.000	52.353 0.000	53.038 0.000	53.725 0.000	54.415 0.000	55.108 0.000	55.803 0.000	56.500 0.000	57.200 0.000	57.902 0.000	28.606 0.000
	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000	773 9417.000
	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773	90.000 179.773
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1/24/25, 3:03 PM	12600.000	12700.000	12800.000	12900.000	13000.000	13100.000	13200.000	13300.000	13400.000	13500.000	13600.000	13700.000	13800.000	13900.000	14000.000	14100.000	14200.000	14300.000	14400.000	14500.000	14600.000	14700.000	14800.000	14900.000	15000.000	15100.000	15200.000	15300.000	15400.000	15500.000	15600.000	15700.000	15800.000
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	-7.820 MWD+IFR1+MS	-7.671 MWD+IFR1+MS	-7.529 MWD+IFR1+MS	-7.392 MWD+IFR1+MS	-7.260 MWD+IFR1+MS	-7.133 MWD+IFR1+MS	-7.010 MWD+IFR1+MS	-6.893 MWD+IFR1+MS	-6.779 MWD+IFR1+MS	-6.669 MWD+IFR1+MS	-6.563 MWD+IFR1+MS	-6.461 MWD+IFR1+MS	-6.362 MWD+IFR1+MS	-6.266 MWD+IFR1+MS	-6.174 MWD+IFR1+MS	-6.084 MWD+IFR1+MS	-5.997 MWD+IFR1+MS	-5.912 MWD+IFR1+MS	-5.830 MWD+IFR1+MS	-5.751 MWD+IFR1+MS	-5.674 MWD+IFR1+MS	-5.599 MWD+IFR1+MS	-5.526 MWD+IFR1+MS	-5.455 MWD+IFR1+MS	-5.386 MWD+IFR1+MS	-5.319 MWD+IFR1+MS	-5.254 MWD+IFR1+MS	-5.190 MWD+IFR1+MS	-5.128 MWD+IFR1+MS	-5.068 MWD+IFR1+MS	-5.009 MWD+IFR1+MS	4.951 MWD+IFR1+MS	-4.895 MWD+JFR1+MS
	40.819	40.857	40.895	40.933	40.972	41.011	41.051	41.091	41.131	41.172	41.213	41.254	41.296	41.338	41.381	41.424	41.468	41.512	41.556	41.601	41.646	41.691	41.737	41.784	41.831	41.878	41.926	41.974	42.022	42.071	42.121	42.170	42.221
	66.757	67.497	68.241	68.988	69.738	70.491	71.248	72.007	72.769	73,533	74.301	75.070	75.843	76.617	77.394	78.174	78.955	79.738	80.524	81.311	82.101	82.892	83.685	84.480	85.276	86.074	86.874	87.676	88.479	89.283	680.06	90.896	91.705
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	59.312 0.000	60.019 0.000	60.729 0.000	61.441 0.000	62.154 0.000	62.869 0.000	63.586 0.000	64.304 0.000	65.024 0.000	65.746 0.000	66.468 0.000	67.193 0.000	67.918 0.000	68.645 0.000	69.373 0.000	70.102 0.000	70.833 0.000	71.564 0.000	72.297 0.000	73.031 0.000	73.766 0.000	74.502 0.000	75.239 0.000	75.977 0.000	76.715 0.000	77.455 0.000	78.196 0.000	78.937 0.000	79.679 0.000	80.422 0.000	81.166 0.000	81.911 0.000	82.656 0.000
	66.391 -0.000	67.137 -0.000	67.887 -0.000	68.639 -0.000	69.395 -0.000	70.154 -0.000	70.915 -0.000	71.679 -0.000	72.446 -0.000	73.215 -0.000	73.987 -0.000	74.761 -0.000	75.537 -0.000	76.316 -0.000	77.097 -0.000	77.880 -0.000	78.665 -0.000	79.453 -0.000	80.242 -0.000	81.033 -0.000	81.825 -0.000	82.620 -0.000	83.416 -0.000	84.214 -0.000	85.014 -0.000	85.815 -0.000	86.618 -0.000	87.422 -0.000	88.228 -0.000	89.035 -0.000	89.844 -0.000	90.654 -0.000	91.465 -0.000
	59.312 0.000	60.019 0.000	60.729 0.000	61.441 0.000	62.154 0.000	62.869 0.000	63.586 0.000	64.304 0.000	65.024 0.000	65.746 0.000	66.468 0.000	67.193 0.000	67.918 0.000	68.645 0.000	69.373 0.000	70.102 0.000	70.833 0.000	71.564 0.000	72.297 0.000	73.031 0.000	73.766 0.000	74.502 0.000	75.239 0.000	75.977 0.000	76.715 0.000	77.455 0.000	78.196 0.000	78.937 0.000	79.679 0.000	80.422 0.000	81.166 0.000	81.911 0.000	82.656 0.000
	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000	73 9417.000
	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773	00 179.773
	90.000	90.000	90.000	000'06	90.000	900.000	90.000	90.000	90.000	900'06	900.000	900'06	90.000	90.000	90.000	900.000	900.000	900.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	900.000	90.000	900.000	90.000	000'06	90.000	900'06	90.000
1/24/25, 3:03 PM	15900.000	16000.000	16100.000	16200.000	16300.000	16400.000	16500.000	16600,000	16700.000	16800,000	16900.000	17000.000	17100.000	17200.000	17300.000	17400.000	17500.000	17600.000	17700.000	17800.000	17900.000	18000.000	18100.000	18200.000	18300.000	18400.000	18500.000	18600,000	18700.000	18800.000	18900.000	19000.000	19100.000
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/24/25, 3:03 PM								We	Well P l an Report	t			
19200.000	90.000	179.773	90.000 179.773 9417.000	83.402 0.000	0.000	92.277 -0.000	-0.000	83.402 0.000	0.000	0.000	92.514	42.271	-4.841 MWD+IFR1+MS
19300.000	000 06		179.773 9417.000	84.149	0.000	93.091	-0.000	84.149	0.000	0.000	93.326	42.322	-4.787 MWD+IFR1+MS
19400.000	90.000	179.773	9417.000	84.897	0.000	93.906	-0.000	84.897	0.000	0.000	94.138	42.374	-4.735 MWD+IFR1+MS
19500.000	000'06	179.773	9417.000	85.645	0.000	94.722	0000	85.645	0.000	0.000	94,952	42.426	4.684 MWD+IFR1+MS
19600.000	90.000	179.773	9417.000	86.394	0.000	95.539	-0.000	86.394	0.000	0.000	95.767	42.478	-4.635 MWD+IFR1+MS
19700.000	000.06	179.773	9417.000	87.143	0.000	96.358	-0.000	87.143	0.000	0.000	96.583	42.531	4.586 MWD+IFR1+MS
19800.000	90.000	179.773	9417.000	87.893	0.000	97.177 -0.000	-0.000	87.893	0.000	0.000	97.400	42.584	4.538 MWD+IFR1+MS
19900.000	000.06	179.773	9417.000	88.644	0.000	97.998	-0.000	88.644	0.000	0.000	98.218	42.638	-4.492 MWD+IFR1+MS
20000.000	90.000		179.773 9417.000	89 395	0.000	98.819	-0.000	89.395	0.000	0.000	99.038	42.692	4.446 MWD+IFR1+MS
20100.000	000 06		179.773 9417.000	90.147	0.000	99.642	-0.000	90.147	0.000	0.000	99.858	42.746	-4.402 MWD+IFR1+MS
20200.000	000.06	179.773	179.773 9417.000	90.899	0.000	100.465	-0.000	90.899	0.000	0.000	100.680	42.801	-4.358 MWD+IFR1+MS
20300.000	90.000		179.773 9417.000	91.652	0.000	101.290	-0.000	91.652	0.000	0.000	101.502	42.856	-4.316 MWD+IFR1+MS
20400.325	90.000		179.773 9417.000	92.408	0.000	102.118 -0.000	-0.000	92.408	0.000	0.000	102.328	42.912	-4.274 MWD+IFR1+MS
20450.303	90.000	179.773	179.773 9417.000	92.784 0.000	0.000	102.530 -0.000	-0.000	92.784 0.000	0.000	0.000	102.739	42.940	-4.254 MWD+IFR1+MS
Plan Targets			Poker Lake Unit 20 BD 118H	nit 20 BD	118H								
			Š	Measured Depth	epth		Grid	Grid Northing	70	Grid Easting	asting	TVD MSL	TVD MSL Target Shape
Target Name					(#			(#)	•		(ft)	(#)	
FTP 3				.66	9971.81		7	403228.80	0	6322	632257.40	6227.00 CIRCLE	CIRCLE
LTP 3				204(20400.32		.,	392800.40	0	6322	632298.70	6227.00 CIRCLE	CIRCLE
BHL 3				204	20450.50		.,	392750.40	0	632	632298.70	6227.00 CIRCLE	CIRCLE







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.
Min. Wall Thickness	87.50 %
Connection OD Option	REGULAR

Wall Thickness	0,375 in,
Pipe Body Drift	API Standard

Grade	LOU-IC
Туре	Casing

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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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.
Min. Wall Thickness	90.00 %
Connection OD Option	REGULAR

Wall Thickness	0,375 in,
Pipe Body Drift	API Standard

Glade	F110-IC1
Туре	Casing

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

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	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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Tenaris



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

100 %
641 x1000 lb
12,640 psi
100 %
641 x1000 lb
92 °/100 ft
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

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TenarisHydril Wedge 441®



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

0,361 in. API Standard

Outside Diameter	5.500 in.	Wall Thickness
Min. Wall Thickness	87.50 %	Pipe Body Drift
Connection OD Option	REGULAR	

Grade	P110-IC
Туре	Casing

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	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	522 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	81.50 %
Compression Strength	522 x1000 lb
Max. Allowable Bending	74,98 °/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	32,000 ft-lb
Yield Torque	38,000 ft-lb
Buck-On	
Minimum	19,200 ft-lb
Maximum	20,700 ft-lb

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
Connection performance values are related to structural capabilities. For sealability-related performance information, request the Connection Service Envelope from your local Tenaris

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

Description of Operations:

- 1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
 - a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - b. 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.



GATES ENGINEERING & SERVICES NORTH AMERICA

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WEB: www.gates.com/oilandgas

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.

C11	CT	ON	CO	
CU	31	CIV	IEU	

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

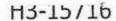
QUANTITY:

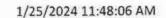
1

SERIAL #:

74621 H3-012524-1

SIGNATURE: 7. OUS SUF QUALITY ASSURANCE
DATE: 1/25/2024







TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Production description:

Sales order #:

74621/66-1531 529480

Description:

74621/66-1531

FG1213

Hose ID:

3" 16C CK

Part number:

TEST INFORMATION

Test pressure hold:

Work pressure hold:

Length difference:

Length difference:

Customer reference:

Test procedure: Test pressure:

Work pressure:

GTS-04-053 15000.00

3600.00

psi

sec psi

10000.00

sec

900.00 0.00

% inch Fitting 1:

Part number:

Description:

Fitting 2:

Part number: Description:

3.0 x 4-1/16 10K

3.0 x 4-1/16 10K

Visual check:

Pressure test result:

PASS

0.00

Length measurement result:

Length:

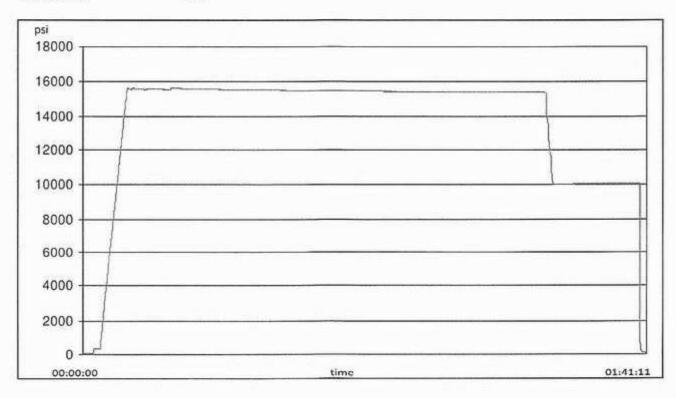
45

feet

n 17

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			

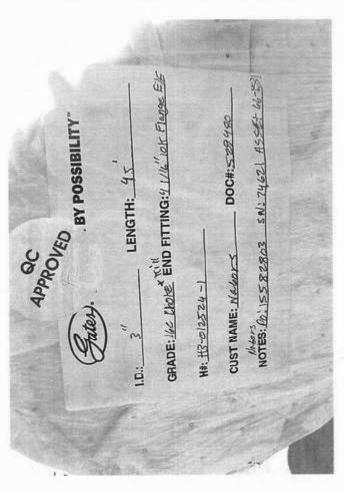


Released to Imaging: 5/22/2025 8:34:24 AM









Released to Imaging: 5/22/2025 8:34:24 AM

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

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

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

Tal	ole C.4—Initial Pressure Te	esting, Surface BOP Stacks	
	Pressure Test—Low	Pressure Test-	-High Pressureac
Component to be Pressure Tested	Pressure ^{ac} psig (MPa)	Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer ^b	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers ^{bd}	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokese	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokese	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or M whichever is lower	MASP for the well program,
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	
	during the evaluation period. The p	pressure shall not decrease below the allest OD drill pipe to be used in well	
	from one wellhead to another within when the integrity of a pressure se	n the 21 days, pressure testing is req	uired for pressure-containing an
For surface offshore operations, the	ne ram BOPs shall be pressure tes land operations, the ram BOPs sha	ted with the ram locks engaged and all be pressure tested with the ram lo	

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

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

XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 Oand often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after

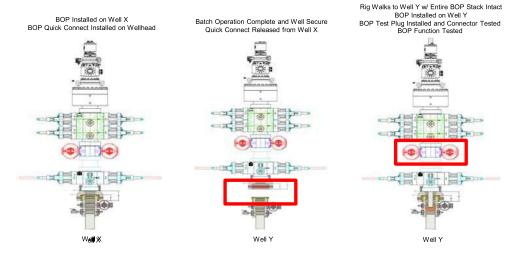
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

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

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

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



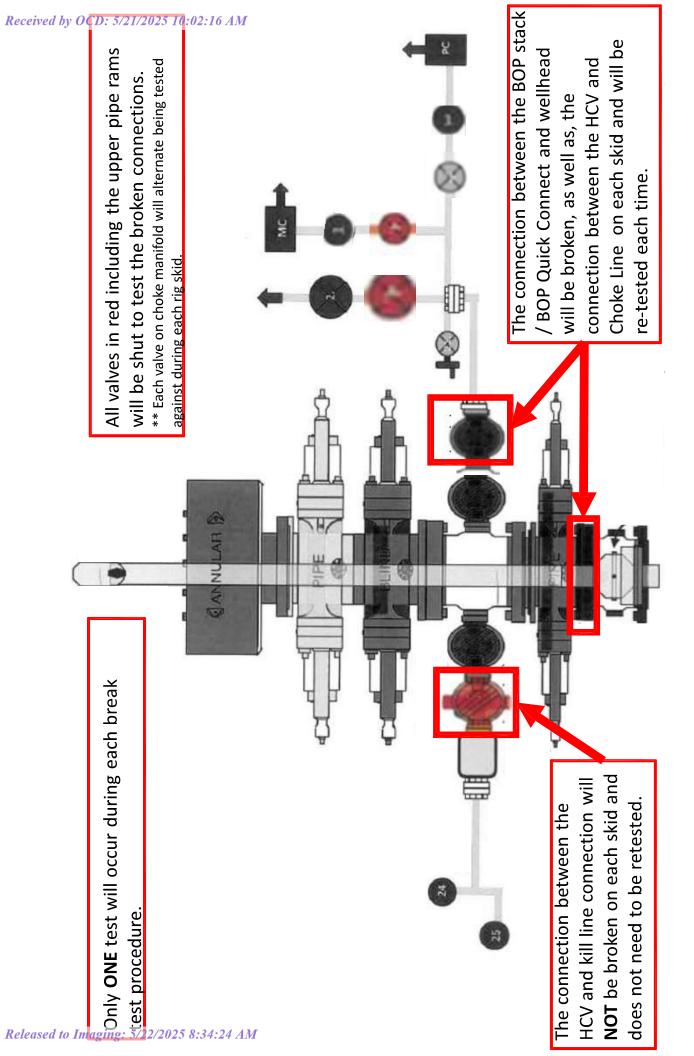
Summary

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

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

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

- 1. After a full BOP test is conducted on the first well on the pad.
- 2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
- 3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
- 4. Full BOP test will be required prior to drilling the production hole.



XTO Permian Operating, LLC Offline Cementing Variance Request

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

1. Cement Program

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

2. Offline Cementing Procedure

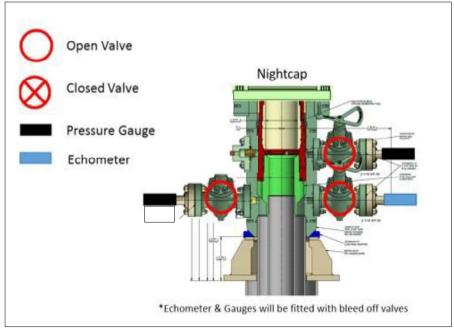
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

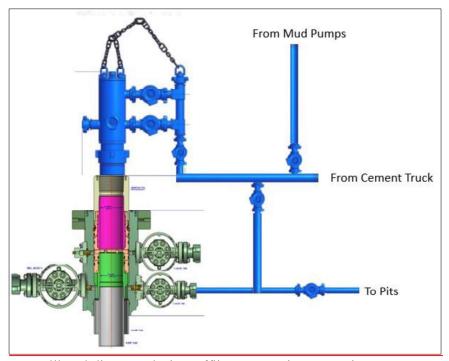
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

Sundry Print Report 05/19/2025

Page 51 of 101

BUREAU OF LAND MANAGEMENT

Well Name: POKER LAKE UNIT 20 BD

Well Location: T25S / R30E / SEC 20 /

SWSW / 32.10881 / -103.910419

County or Parish/State: EDDY /

Well Number: 118H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC064894

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: 2850023

Type of Submission: Notice of Intent Type of Action: APD Change Date Sundry Submitted: 04/29/2025 Time Sundry Submitted: 01:00

Date proposed operation will begin: 05/06/2025

Procedure Description: Poker Lake Unit 20 BD 118H XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, proposed total depth, and pool. FROM: TO: KOP: 205' FSL & 510' FWL OF SECTION 20-T25S-R30E 616' FSL & 1670' FWL OF SECTION 20-. T25S-R30E FTP: 100' FNL & 1210' FWL OF SECTION 29-T25S-R30E 100' FNL & 1670' FWL OF SECTION 29-T25S-R30E LTP: 100' FSL & 1210' FWL OF SECTION 32-T25S-R30E 100' FSL & 1670' FWL OF SECTION 32-T25S-R30E BHL: 50' FSL & 1210' FWL OF SECTION 32-T25S-R30E 50' FSL & 1670' FWL OF SECTION 32-T25S-R30E The proposed total depth is changing from 20101' MD; 9257' TVD to 20450' MD; 9417' TVD. The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Corral Canyon; Bone Spring, South (13354). There is no new surface disturbance.

NOI Attachments

Procedure Description

POKER_LAKE_UNIT_20BD_118H_Sundry_Docs_20250429125715.pdf

Received by OCD: 5/21/2425: 1000221/4411/UNIT 20 BD

Well Location: T25S / R30E / SEC 20 / SWSW / 32.10881 / -103.910419

County or Parish/State: EDDY /

Page 52 of 101

Well Number: 118H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC064894

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING

LLC

Conditions of Approval

Additional

253020_Poker_Lake_Unit_20_BD_118H_05_19_2025_COAs_20250519121305.pdf

Operator

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

Operator Electronic Signature: SAMANTHA WEIS Signed on: APR 29, 2025 01:00 PM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Advisor

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (832) 625-7361

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

Field

Representative Name:

Street Address:

City: State: Zip:

Phone:

Email address:

BLM Point of Contact

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

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

Disposition: Approved Disposition Date: 05/19/2025

Signature: Chris Walls

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

	Expires: October 31, 2021
Lease Serial No.	NIN II 000 100 1

BURI	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NMLC064894
Do not use this f	OTICES AND REPORTS ON Worm for proposals to drill or to Use Form 3160-3 (APD) for suc	o re-enter an	6. If Indian, Allottee or Tribe	Name
SUBMIT IN	TRIPLICATE - Other instructions on pag	ie 2	7. If Unit of CA/Agreement, POKER LAKE UNIT/NMNM71016	
1. Type of Well ✓ Oil Well Gas W	Vell Other		8. Well Name and No. POKER LAKE UNIT 20 BD/118H	
2. Name of Operator XTO PERMIAN	OPERATING LLC		9. API Well No.	
3a. Address 6401 HOLIDAY HILL Re		(include area code) 77	10. Field and Pool or Explora WC-015 G-06 S243119C/Bone Sp	
4. Location of Well (Footage, Sec., T.,R SEC 20/T25S/R30E/NMP	.,M., or Survey Description)		11. Country or Parish, State EDDY/NM	
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF	F NOTICE, REPORT OR OT	THER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION	
✓ Notice of Intent		raulic Fracturing Construction	Production (Start/Resume) Reclamation Recomplete	Water Shut-Off Well Integrity Other
Subsequent Report		and Abandon	Temporarily Abandon	Other
Final Abandonment Notice	Convert to Injection Plug	Back	Water Disposal	
completion of the involved operation completed. Final Abandonment Notice is ready for final inspection.) Poker Lake Unit 20 BD 118H XTO Permian Operating, LLC. FTP, LTP, BHL, proposed total FROM: TO: KOP: 205 FSL & 510 FWL OF FTP: 100' FNL & 1210' FWL OF LTP: 100' FSL & 1210' FWL OF BHL: 50' FSL & 1210' FWL OF Continued on page 3 additional	SECTION 20-T25S-R30E 616 FSL & 1 OF SECTION 29-T25S-R30E 100' FNL 8 F SECTION 32-T25S-R30E 100' FSL & F SECTION 32-T25S-R30E 50' FSL & 10	npletion or recompletis, including reclamations, including reclamations, including reclamations, including changes the following changes of the fo	on in a new interval, a Form on, have been completed and es to the approved APD. COMMINISTRATION 20-T25S-R30E CTION 29-T25S-R30E	3160-4 must be filed once testing has been the operator has detennined that the site
SAMANTHA WEIS / Ph: (832) 625-		Permitting Ac Title	dvisor	
Signature (Electronic Submission	on)	Date	04/29/2	2025
	THE SPACE FOR FED	ERAL OR STAT	E OFICE USE	
Approved by CHRISTOPHER WALLS / Ph: (575) Conditions of approval, if any, are attacl	ned. Approval of this notice does not warran	Title	um Engineer	05/19/2025 Date
certify that the applicant holds legal or e which would entitle the applicant to con	equitable title to those rights in the subject leduct operations thereon.	Office CARL	SBAD	
Title 18 U.S.C Section 1001 and Title 43	3 U.S.C Section 1212, make it a crime for an	ny person knowingly a	and willfully to make to any c	department or agency of the United States

any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

(Form 3160-5, page 2)

Additional Information

Additional Remarks

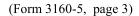
The proposed total depth is changing from 20101 MD; 9257 TVD to 20450 MD; 9417 TVD.

The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Corral Canyon; Bone Spring, South (13354).

There is no new surface disturbance.

Location of Well

0. SHL: SWSW / 205 FSL / 510 FWL / TWSP: 25S / RANGE: 30E / SECTION: 20 / LAT: 32.10881 / LONG: -103,910419 (TVD: 0 feet, MD: 0 feet) PPP: NWNW / 100 FNL / 1210 FWL / TWSP: 25S / RANGE: 30E / SECTION: 29 / LAT: 32.107987 / LONG: -103.908159 (TVD: 9257 feet, MD: 9700 feet) BHL: SWSW / 50 FSL / 1210 FWL / TWSP: 25S / RANGE: 30E / SECTION: 32 / LAT: 32.079186 / LONG: -103.908158 (TVD: 9257 feet, MD: 20101 feet)



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Permian Operating LLC
WELL NAME & NO.: Poker Lake Unit 20 BD 118H
LOCATION: Section 20, T.25S., R.30E.
COUNTY: Eddy County

COA

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

Possibility of water flows in the Castile and Salado Possibility of lost circulation in the Red Beds, Rustler, 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 **745** 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 **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - 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.

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 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

JS 5/19/2025

<u>C-102</u>					ew Mexico	Revised July 9, 2024				
Submit Electronically	Ene				ral Resources D TION DIVISIO	_	ent			Initial Submittal
Via OCD Permitting		OI	L CON	SEKVA	TION DIVISIO	JIN		Submitta Type:		Amended Report
								Type.		As Drilled
- Province	TR 10.1	V	VELL LO		INFORMATION					
API Number 30-015 -56638	Pool Code 1	13354		Pool Nam	e Corral Cany	on; Bon	e Sprin	g, Sout	h	
Property Code 325596	Property Name	POKE	R LAKE UN	NIT 20 BD					Well Nu 118H	ımber
ORGID No. 373075	Operator Name	XTO P	ERMIAN O	PERATIN	IG, LLC.				Ground 3,158	Level Elevation
Surface Owner: State	Fee ☐ Tribal [X]	Federal			Mineral Owner: X 5	State Fo	ee 🗌 Triba	l ⊠ Fede	•	
				Surface	Location		<u> </u>			
UL Section Towns	. -	Lot	Ft. from N/	'S	Ft. from E/W	Latitude		ongitude	440	County
M 20 25	S 30 E		205'		510' FWL le Location	32.1088	10	-103.910	419	EDDY
UL Section Towns		Lot	Ft. from N/	'S	Ft. from E/W	Latitude		ongitude	070	County
N 32 25	S 30 E		50' F	5L	1,670' FWL	32.0791	92	-103.906	v/3	EDDY
	Defining Well	Defining	Well API		Overlapping Spacing Un	nit (Y/N)	Consolida	tion Code		
320 DE Order Numbers.	FINING				NO Well setbacks are under	Common C	U Vermanshine !	V [7 N-	
Order Numbers.					wen setbacks are under	Common C	wnersnip: [X Yes L] No	
		1 - 1			Point (KOP)	T				
UL Section Towns N 20 25	. -	Lot	Ft. from N/ 616' F		Ft. from E/W 1,670' FWL	12.1099		ongitude -103.906	673	County EDDY
					Point (FTP)					
UL Section Towns C 29 25		Lot	Ft. from N/ 100' F		Ft. from E/W 1,670' FWL	Latitude 32.1079		ongitude -103.906	673	County
					Point (LTP)					
UL Section Towns N 32 25		Lot	Ft. from N/ 100' F		Ft. from E/W 1,670' FWL	12.0793		ongitude -103.906	672	County EDDY
Unitized Area or Area of Unif	orm Interest NMNM-071016X	Spacing	Unit Type	Morizon	tal Vertical	Gro	ound Floor E	Elevation:	3,158'	
OPERATOR CERTIFI	CATIONS				SURVEYOR CE	ERTIFIC	ATIONS			
					I have been saided that	41		41.:	1-4	-1-4-15
I hereby certify that the inform best of my knowledge and belie	f, and that this org	anization e	ither owns a	working	I hereby certify that a notes of actual surve is true and correct to	ys made by	me or unde			
interest or unleased mineral in location or has a right to drill an owner of such a mineral or	this well at this loca	ation pursu	ant to a contr		I, TIM C. PAPPAS, NEW M 21209, DO HEREBY CERT	EXICO PROFE	SSIONAL SURV	T AND THE		
agreement or a compulsory po				on.	ACTUAL SURVEY ON THE WERE PERFORMED BY ME THAT I AM RESPONSIBLE MEETS THE MINIMUM STAN	OR UNDER I	WY DIRECT SU RVEY, THAT TH	IPERVISION; HIS SURVEY	TIM	U. PAPA
If this well is a horizontal well the consent of at least one less.	ee or owner of a wo	orking inter	est or unleas	ed mineral	MEXICO, AND THAT IS TRUMY KNOWLEDGE AND BELI	JE AND CORR EF.	ECT TO THE I	BEST OF	1	CO
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division.					TIM C. PAPPAS REGISTERED PROFESSIONA STATE OF NEW MEXICO N	L LAND SURV IO. 21209	EYOR	/	10,70	014.00
Samantha W	eis 4	4/7/202	.5						1.32	YONAL SURVEY
Signature	I	Date			Signature and Seal of	Professiona	l Surveyor			
Samantha Weis										
Printed Name					Certificate Number		Date of Surv	vey		
samantha.r.bartnik	@exxonmob	il.com			TIM C. PAPPAS 2	21209	02/13/2	2025		
Email Address	ill be coming to	thin *	ation	I int : '	ma baar !!! . !		ndard - **	haa t		I by the division
Note: No allowable v	uu ve assigned to	ınıs comple	zuon until ali	ı ınterests k	ave been consolidated o	or a non-sta	naard unit l	nas been o	ipprovea	i by the division.
		821 Wast	7th Stroot 6	Ste 200 F-	ort Worth, TX 76107					
※FSC	INC '	Ph:	817.349.980	00 - Fax: 9		DATE: DRAWN I		-13-2025 LM	PROJ SCAI	JECT NO: 2023040213 LE:



ACREAGE DEDICATION PLATS

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

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



	LINE TABL	<u>E</u>
LINE	AZIMUTH	LENGTH
L1	69° 51'03"	1,233.77'
L2	179° 46'29"	716.20'
L3	179° 46'20"	10,478.83'

	 	-		-+
NMLC 0070341 SEC. 19 T25S R30E	NMLC 0064894	SEC. T25S SHL 205' FSL 510' FWL	20 R30E KOP 616' FSL 1,670' FWL	
SEC. 30 T25S R30E	SEC. 29 T25S R30E	NMLC 0064894	FTP 100' FNL 1,670' FWL B PPP #1 0' FSL 1,656' FWL	SEC. 29 T25S R30E
SEC. 31 T25S R30E NMNM 102033	SEC. 32 T258 R30E		DLTP 100' FSL 1,670' FWL	SEC. 32 T25S R30E
	J I BH I 50'FS 1,670'FW	/ S	E SEC. 5 SS R30E	

	<u>C(</u>	OORDII	NATE TABL	<u>.E</u>	
SH	L (NAD 83 NMI	E)	LT	P (NAD 83 NME)	
Y =	403,578.3	N	Y =	392,858.4	N
X =	672,281.2	E	X =	673,483.9	Е
LAT. =	32.108810	°N	LAT. =	32.079329	°N
LONG. =	103.910419	°W	LONG. =	103.906672	°W
KO	P (NAD 83 NMI	E)	ВН	L (NAD 83 NME)	
Y =	404,003.3	N	Y =	392,808.4	N
X =	673,439.5	E	X =	673,483.9	Е
LAT. =	32.109966	°N	LAT. =	32.079192	°N
LONG. =	103.906673	°W	LONG. =	103.906673	°W
FT	P (NAD 83 NMI	Ε)	·		
Y =	403,287.1	N			
X =	673,442.3	E			
LAT. =	32.107997	°N			
LONG. =	103.906673	°W			
SH	L (NAD 27 NMI	E)	LT	P (NAD 27 NME)	
Y =	403,520.0	N	Y =	392,800.4	N
X =	631,096.3	E	X =	632,298.7	Е
LAT. =	32.108685	°N	LAT. =	32.079204	°N
LONG. =	103.909936	°W	LONG. =	103.906190	°W
ко	P (NAD 27 NMI	E)	ВН	L (NAD 27 NME)	
Y =	403,945.0	N	Y =	392,750.4	N
X =	632,254.6	E	X =	632,298.7	Е
LAT. =	32.109841	°N	LAT. =	32.079066	°N
LONG. =	103.906190	°W	LONG. =	103.906191	°W
	P (NAD 27 NMI	E)			
Y =	403,228.8	N			
X =	632,257.4	E			
LAT. =	32.107872	°N			
LONG. =	103.906190	°W			
PPP	#1 (NAD 83 NI	ΛE)	PPP	#1 (NAD 27 NM	Ξ)
Y =	398,072.6	N	Y =	398,014.4	N
X =	673,463.1	E	X =	632,278.0	E
LAT. =	32.093663	°N	LAT. =	32.093537	°N
LONG. =	103.906673	°W	LONG. =	103.906190	°W

C	ORNER COO	RDII	NATES (N	NAD83 NME)	
A - Y =	403,398.9	N	A - X =	674,444.4 E	E
B - Y =	400,741.1	N	B - X =	674,461.5 E	E
C - Y =	398,083.4	N	C - X =	674,478.6 E	Ξ
D - Y =	395,424.5	N	D - X =	674,476.0 E	Ξ
E-Y=	392,766.4	N	E-X=	674,473.4 E	E
F-Y=	403,383.2	N	F - X =	673,108.1 E	E
G - Y =	400,726.2	N	G - X =	673,125.6 E	Ε
H - Y =	398,069.2	N	H - X =	673,143.1 E	Ξ
I - Y =	395,412.1	N	I - X =	673,143.2 E	Е
J - Y =	392,755.6	N	J - X =	673,143.7 E	Е
C	ORNER COO	RDI	NATES (1	NAD27 NME)	
A - Y =	403,340.6	N	A - X =	633,259.5 E	Е
B - Y =	400,682.8	N	B - X =	633,276.5 E	Ε
C - Y =	398,025.2	N	C - X =	633,293.5 E	
D - Y =	395,366.4	N	D - X =	633,290.8 E	Ξ
E - Y =	392,708.4	N	E - X =	633,288.2 E	Ε
F-Y=	403,324.9	N	F - X =	631,923.2 E	E
G - Y =	400,667.9	N	G - X =	631,940.6 E	Ε
H - Y =	398,011.0	N	H - X =	631,958.1 E	
I-Y=	395,354.0	N	I - X =	631,958.1 E	E
	392,697.6	N	J - X =	631,958.5 E	E



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Fort Worth, TX 76107
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TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net
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 DATE:
 2-13-2025
 PROJECT NO:
 2023040213

 DRAWN BY:
 LM
 SCALE:
 1" = 2,000°

 CHECKED BY:
 CH
 SHEET:
 2 OF 2

 FIELD CREW:
 IR
 REVISION:

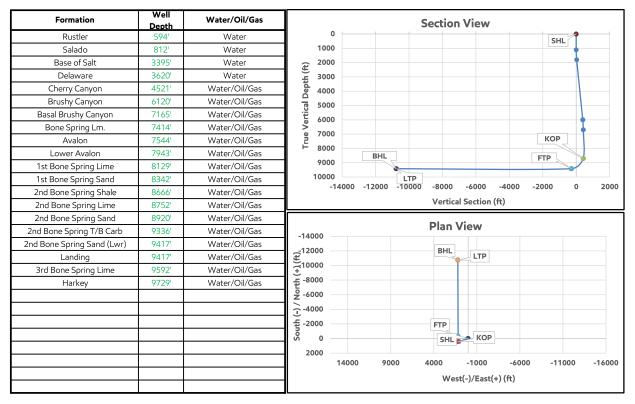
DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

ExxonMobil Poker Lake Unit 20BD - 118H Projected TD: 20450' MD / 9417' TVD SHL: 205' FSL & 510' FWL , Section 20, T255, R30E BHL: 50' FSL & 1670' FWL , Section 32, T255, R30E Eddy County, NM

1. Geologic Name of Surface Formation

Quaternary

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



	Inclination (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
КОР	0	0	8701	425	1158
LP	90	180	9417	-291	1161
FTP	90	180	9417	-291	1161
LTP	90	180	9417	-10720	1202
BHL	90	180	9417	-10770	1203

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 787' 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' - 787'	787'	9-5/8"	40	J55	ВТС	New	16.36	15.08	5.55
8.75"	0' - 4000'	3926'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.01	8.66	3.43
8.75"	4000' - 8697'	8551'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.34	5.99	2.48
6.75"	0' - 8597'	8451'	5-1/2"	20	P110-CY	TPN	New	1.18	3.03	2.50
6.75"	8597' – 20450'	9417'	5-1/2"	20	P110-IC	Tenaris Wedge 441	New	1.18	3.02	2.69

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.

The planned kick off point is located at: 8847' MD / 8701' 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

Hole Section Slurry Type No. Sacks Density (ppg) Vield (ft3/sack) TOC (ft) Depth (MD) Excess (%) Slurry Description				P	rimary Cementi	ing			
Surface 1 Tail 141 14.8 1.33 487 787 100% Intermediate 1 Lead	Hole Section	Slurry Type	No. Sacks				Setting	Excess (%)	Slurry Description
Netermediate 1	Surface 1	Lead	145	12.4	2.11	0	787	100%	
No. Sacks Density (ppg) Vield (ft3/sack) Cemented Interval Excess (%) Slurry Description Intermediate 1 Tail 241 14.8 1.45 6120 8,697 0% 1.45 1	Surface 1	Tail	141	14.8	1.33	487	787	100%	
Production 1	ntermediate 1	Lead							
Production 1 Tail	ntermediate 1	Tail	241	14.8	1.45	6120	8,697	0%	
Remedial Cementing Casing Slurry Type No. Sacks Density (ppg) Yield (ft3/sack) Cemented Interval Excess (%) Slurry Description Intermediate Class C Bradenhead	Production 1	Lead							
Casing Slurry Type No. Sacks Density (ppg) Yield (ft3/sack) Cemented Interval Excess (%) Slurry Description Bradenhead Interwal Intermediate Class C Bradenhe	Production 1	Tail	2687	13.2	1.44	8197	20,450	25%	
Bradenhead Intermediate Class C Bradenhe				Re	emedial Cement	ting			
	Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemen	ted Interval	Excess (%)	Slurry Description
	ntermediate 1	1	636	14.8	1.45	0 -	- 6120'	50%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

	•				
*Brade	nhead Squeeze 2nd Stage (Offline			
1					

5. Pressure Control Equipment

Section 5 Summary:
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 at the deepest intermediate casing point is less than 4800psi.
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 will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.
and the same
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' - 787'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
787' – 8697'	8.75"	BDE/OBM or FW/Brine		30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
8697' - 20450'	6.75"	ОВМ	9 - 9.6	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.

Spud with fresh water/native mud. Drill out from under surface casing with a fully saturated brine while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. 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.
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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:

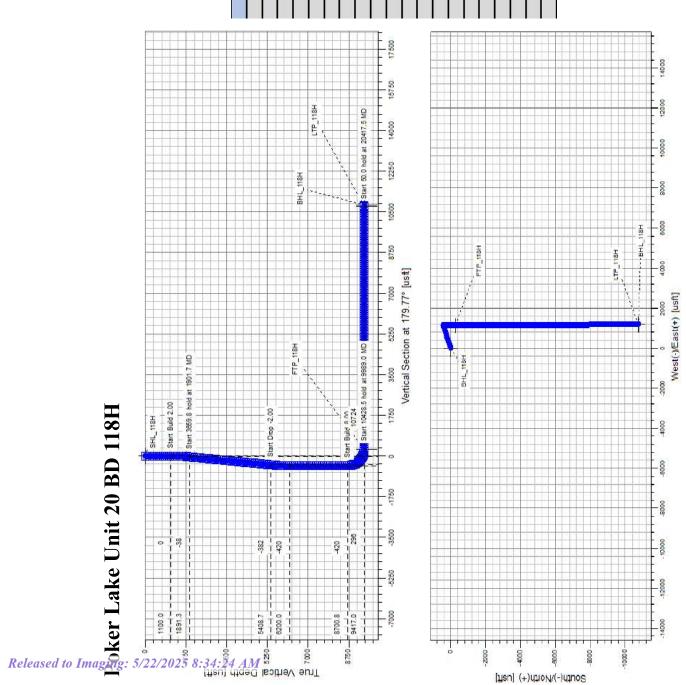
The estimated bottom hole temperature of 160F to 180F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. 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.

Formation	TVDSS (feet)	TVD (feet)
Rustler	2,696*	494.
Salado	2,367	823*
Base of Salt	-205*	3,395
Delaware	-430.	3,620*
Cherry Canyon	-1,331"	4,521
Brushy Canyon	-2,930'	6,120
Basal Brushy Canyon	-3,975'	7,165*
Bone Spring Lm.	4,224'	7,414
Avalon	4,354*	7,544*
Lower Avalon	4,753	7,943*
1st Bone Spring Lime	4,939'	8,129*
1st Bone Spring Sand	-5,152"	8,342"
2nd Bone Spring Shale	-5,476'	8,666
2nd Bone Spring Lime	-5,562"	8,752*
2nd Bone Spring Sand	-5,730*	8,920*
2nd Bone Spring T/B Carb	-6,146'	9,336*
2nd Bone Spring Sand (Lwr)	-6,227	9,417
2nd BS Sand Lower Landing	-6,227*	9,417
3rd Bone Spring Lime	-6,402"	9,592"
Harkey	-6.539	9.729



Well Plan Report - Poker Lake Unit 20 BD 118H

Well Plan Report

Plan Sections	Pok	Poker Lake Unit 20 BD 118H	BD 118H					
Measured			ΔΛΣ			Build	Turn	Dogleg
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(#)	(Deg)	(Deg)	(#)	(#)	(#)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target
00.00	00.00	00.00	00.00	00.00	00.0	0.00	0.00	00.00
1100.00	00.0	00.00	1100.00	00.00	00.0	0.00	0.00	00.00
1808.29	14.17	69.85	1801.10	30.01	81.78	2.00	0.00	2.00
6137.75	14.17	69.85	5998.90	394.98	1076.48	0.00	0.00	00.00
6846.04	00.00	00.00	6700.00	424.99	1158.26	-2.00	0.00	2.00
8846.84	00'0	00'0	8700.80	424.99	1158.26	0.00	0.00	00.00
9971.84	90.00	179.77	9417.00	-291.20	1161.10	8.00	0.00	8.00 FTP 3
20400.32	00'06	179.77	9417.00	-10719.60	1202.40	00.00	0.00	0.00 LTP 3
20450.30	90.00	179.77	9417.00	-10769.58	1202.60	0.00	0.00	0.00 BHL 3

Magnitude Semi-major Semi-minor Semi-minor Tool	
Semi-maj	
Magnitude	
Vertical	118H.HTML
Lateral	/PokerLakeUnit20BD118H.HTM
TVD Highside	ecisionSpace/WellPlanning/Reports
Measured	file:///C:/Users/arsriva/Landmark/De

Poker Lake Unit 20 BD 118H

Position Uncertainty

Well Plan Report

2/8

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	-6.574 MWD+IFR1+MS	-6.063 MWD+IFR1+MS	-5.531 MWD+IFR1+MS	4.977 MWD+IFR1+MS	-4.395 MWD+IFR1+MS	-3.784 MWD+IFR1+MS	-3.138 MWD+IFR1+MS	-2.453 MWD+IFR1+MS	-1.723 MWD+IFR1+MS	-0.943 MWD+IFR1+MS	-0.105 MWD+IFR1+MS	0.799 MWD+IFR1+MS	1.779 MWD+IFR1+MS	2.845 MWD+IFR1+MS	4.010 MWD+IFR1+MS	5.288 MWD+IFR1+MS	6.694 MWD+IFR1+MS	8.247 MWD+IFR1+MS	9.964 MWD+IFR1+MS	11.865 MWD+IFR1+MS	13.966 MWD+IFR1+MS	16.282 MWD+IFR1+MS	18.819 MWD+IFR1+MS	21.570 MWD+IFR1+MS	24.516 MWD+IFR1+MS	27.617 MWD+IFR1+MS	30.816 MWD+IFR1+MS	34.042 MWD+IFR1+MS	37.221 MWD+IFR1+MS	40.287 MWD+IFR1+MS	43.184 MWD+IFR1+MS	44.438 MWD+IFR1+MS	46.004 MWD+IFR1+MS
	11.738	12.137	12.536	12.936	13.336	13.736	14.137	14.538	14.939	15.340	15.742	16.143	16.544	16.946	17.347	17.748	18.149	18.549	18.949	19.348	19.746	20.144	20.541	20.936	21.330	21.722	22.113	22.502	22.889	23.275	23.659	23.803	24.042
	13.079	13.414	13.751	14.092	14.434	14.779	15.127	15.476	15.827	16.181	16.536	16.892	17.251	17.611	17.973	18.336	18.701	19.067	19.435	19.805	20.176	20.550	20.925	21.303	21.683	22.065	22.449	22.837	23.226	23.618	24.011	24 156	24.396
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	4.514 0.000	4.633 0.000	4.754 0.000	4.877 0.000	5.001 0.000	5.128 0.000	5.256 0.000	5.386 0.000	5.518 0.000	5.651 0.000	5.785 0.000	5.922 0.000	0000 090.9	6.200 0.000	6.341 0.000	6.484 0.000	6.628 0.000	6.774 0.000	6.922 0.000	7.071 0.000	7.222 0.000	7.375 0.000	7.529 0.000	7.686 0.000	7.843 0.000	8.003 0.000	8.164 0.000	8.327 0.000	8.492 0.000	8.658 0.000	8.827 0.000	8.891 0.000	8.997 0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	11.816	12.216	12.617	13.018	13.420	13.822	14.224	14.627	15.030	15.433	15.837	16.241	16.645	17.049	17.453	17.858	18.262	18.667	19.072	19.477	19.883	20.288	20.694	21.099	21.505	21.911	22.316	22.722	23.128	23.535	23.941	24.092	24.338
	13.042 0.000	13.386 0.000	13.732 0.000	14.081 0.000	14.433 0.000	14.787 0.000	15.144 0.000	15.502 0.000	15.862 0.000	16.225 0.000	16.588 0.000	16.954 0.000	17.320 0.000	17.688 0.000	18.058 0.000	18.428 0.000	18.800 0.000	19.173 0.000	19.547 0.000	19.922 0.000	20.297 0.000	20.674 0.000	21.051 0.000	21.429 0.000	21.808 0.000	22.187 0.000	22.568 0.000	22.948 0.000	23.330 0.000	23.712 0.000	24.094 0.000	24.236 0.000	24.495 0.000
	3053.527	3150.486	3247.445	3344,405	3441.364	3538.323	3635.282	3732.241	3829.200	3926.159	4023.119	4120.078	4217.037	4313.996	4410.955	4507.914	4604.874	4701.833	4798.792	4895.751	4992.710	5089.669	5186.628	5283.588	5380.547	5477.506	5574.465	5671.424	5768.383	5865.343	5962.302	5998,903	6059.422
	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851	69.851
	14.166	14.166	14 166	14.166	14.166	14.166	14 166	14.166	14.166	14.166	14.166	14 166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14.166	14 166	14.166	14 166	14.166	14.166	14.166	14 166	14.166	14.166	14.166	12.921
1/24/25, 3:03 PM	3100.000	3200.000	3300.000	3400.000	3500.000	3600.000	3700.000	3800.000	3900.000	4000.000	4100.000	4200.000	4300.000	4400.000	4500.000	4600.000	4700.000	4800.000	4900.000	2000.000	5100.000	5200.000	5300.000	5400.000	5500.000	5600.000	5700.000	5800,000	5900.000	000'0009	6100.000	6137.749	6200.000
	leas	ed to	o Im	agi	ng:	5/22	2/202	25 8.	:34:	24 A	1M																						

/24/25, 3:03 PM							Well P	Well Plan Report				
6300.000	10.921	69.851	6157.260	24.946 0.000	24.729	0.000	9.172 0.0	0.000	0.000	24.798	24.459	42.874 MWD+IFR1+MS
6400.000	8.921	69.851	6255.760	25.396 0.000	25.110	0.000	9.342 0.0	0.000	0.000	25.213	24.883	35.706 MWD+IFR1+MS
6500.000	6.921	69.851	6354.801	25.806 0.000	25.479	0.000	9.505 0.0	0.000	0.000	25.629	25.287	28.280 MWD+IFR1+MS
000'0099	4.921	69.851	6454.262	26.177 0.000	25.836	000.0	9 659 0 (0.000	0.000	26.046	25.669	21.576 MWD+IFR1+MS
6700.000	2.921	69.851	6554.023	26.509 0.000	26.182	0.000	9.808 0.0	0.000	0.000	26.460	26.031	16.145 MWD+IFR1+MS
6800.000	0.921	69.851	6653.962	26.801 0.000	26.517	000.0	9.952 0.0	0.000	0.000	26.871	26.377	12.003 MWD+IFR1+MS
6846.040	0.000	0.000	6700.000	26.549 0.000	26.997	000.0	10.017 0.0	0.000	0.000	27.017	26.529	11.665 MWD+IFR1+MS
000.0069	000'0	0.000	6753.960	26.726 0.000	27.160	000.0	10.093 0.0	0.000	0.000	27.180	26.705	11.927 MWD+IFR1+MS
7000.000	0000	0.000	6853.960	27.052 0.000	27.467	0.000	10.236 0.0	0.000	0.000	27.486	27.032	12.125 MWD+IFR1+MS
7100.000	000'0	0.000	6953.960	27.382 0.000	27.777	000.0	10.382 0.0	0.000	0.000	27.795	27.363	12.015 MWD+IFR1+MS
7200.000	000'0	0.000	7053.960	27.713 0.000	28.088	000.0	10.531 0.0	0.000	0.000	28.105	27.695	11.896 MWD+IFR1+MS
7300.000	000'0	0.000	7153.960	28.044 0.000	28.401	000.0	10.683 0.0	0.000	0.000	28.417	28.028	11.767 MWD+IFR1+MS
7400.000	000'0	0.000	7253.960	28.376 0.000	28.714	000.0	10.837 0.0	0.000	0.000	28.729	28.361	11.626 MWD+IFR1+MS
7500.000	000'0	0.000	7353.960	28.709 0.000	29.029	000.0	10.995 0.0	0.000	0.000	29.043	28.695	11.472 MWD+IFR1+MS
7600.000	000'0	0.000	7453.960	29.042 0.000	29.345	000.0	11.156 0.0	0.000	0.000	29.357	29.030	11.302 MWD+IFR1+MS
7700.000	000'0	0.000	7553.960	29.376 0.000	29.661	000.0	11.319 0.0	0.000	0.000	29.673	29.365	11.115 MWD+IFR1+MS
7800.000	000'0	0.000	7653.960	29.711 0.000	29.979	000.0	11.486 0.0	0.000	0.000	29.989	29.700	10.908 MWD+IFR1+MS
7900.000	0.000	0.000	7753.960	30.046 0.000	30.297	000.0	11 656 0 (0.000	0.000	30.306	30.037	10.676 MWD+IFR1+MS
8000.000	0.000	0.000	7853.960	30.381 0.000	30.617	0.000	11 829 0 (0.000	0.000	30.625	30.373	10.417 MWD+IFR1+MS
8100.000	0.000	0.000	7953.960	30.718 0.000	30.937	0.000	12.005 0.0	0.000	0.000	30.944	30.710	10.123 MWD+IFR1+MS
8200.000	000'0	0.000	8053.960	31.054 0.000	31.258	000.0	12.184 0.0	0.000	0.000	31.264	31.048	9.788 MWD+IFR1+MS
8300.000	0000	0.000	8153.960	31.391 0.000	31.580	000.0	12.366 0.0	0.000	0.000	31.585	31.386	9.404 MWD+IFR1+MS
8400.000	0.000	0.000	8253.960	31.729 0.000	31.902	000.0	12.551 0.0	0.000	0.000	31.907	31.724	8.957 MWD+IFR1+MS
8500.000	0.000	0.000	8353.960	32.067 0.000	32.226	0.000	12.740 0.0	0.000	0.000	32.229	32.063	8.433 MWD+IFR1+MS
8600.000	0.000	0.000	8453.960	32.405 0.000	32.550	0.000	12.931 0.0	0.000	0.000	32.553	32.402	7.809 MWD+IFR1+MS
8700.000	000'0	0.000	8553.960	32.744 0.000	32.875	000.0	13.126 0.0	0.000	0.000	32.877	32.742	7.055 MWD+IFR1+MS
8800.000	0.000	0.000	8653.960	33.083 0.000	33.200	0.000	13.324 0.0	0.000	0.000	33.201	33.082	6.127 MWD+IFR1+MS
8846.843	000'0	0.000	8700.803	33.241 0.000	33,351	000.0	13.417 0.0	0.000	0.000	33.352	33,239	6.557 MWD+IFR1+MS
8900.000	4.253	179.773	8753.911	33.246 0.000	33.515	-0.000	13.524 0.0	0.000	0.000	33.517	33.429	9.272 MWD+IFR1+MS
000'0006	12.253	179.773	8852.795	33.537 0.000	33.806	-0.000	13.769 0.0	0.000	0.000	34.443	33.805	92.339 MWD+IFR1+MS
9100.000	20.253	179.773	8948.721	33.826 0.000	34.084	-0.000	14.198 0.0	0.000	0.000	35.837	34.079	92.967 MWD+IFR1+MS
9200.000	28.253	179.773	9039.821	33.617 0.000	34.344	-0.000	14.877 0.0	0.000	0.000	37.048	34.334	93.160 MWD+IFR1+MS
9300.000	36.253	179.773	9124.323	32.979 0.000	34.583	-0.000	15.847 0.0	0.000	0.000	38.060	34.569	93.347 MWD+IFR1+MS

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																															3	
93.592 MWD+IFR1+MS		94.373 MWD+IFR1+MS	94.954 MWD+IFR1+MS	95.680 MWD+IFR1+MS	96.538 MWD+IFR1+MS	97.194 MWD+IFR1+MS	97.460 MWD+IFR1+MS	98.450 MWD+IFR1+MS	99.508 MWD+IFR1+MS	100.645 MWD+IFR1+MS	101.874 MWD+IFR1+MS	103.212 MWD+IFR1+MS	104.678 MWD+IFR1+MS	106.293 MWD+IFR1+MS	108.079 MWD+IFR1+MS	110.060 MWD+IFR1+MS	112.257 MWD+IFR1+MS	114.689 MWD+IFR1+MS	117.365 MWD+IFR1+MS	120.282 MWD+IFR1+MS	123.417 MWD+IFR1+MS	126.722 MWD+IFR1+MS	130.127 MWD+IFR1+MS	133.549 MWD+IFR1+MS	-43.102 MWD+IFR1+MS	-39.902 MWD+IFR1+MS	-36.911 MWD+IFR1+MS	-34.160 MWD+IFR1+MS	-31.664 MWD+IFR1+MS	-29.419 MWD+IFR1+MS	-27.408 MWD+IFR1+MS	-25.613 MWD+IFR1+MS
34.783	34.977	35.149	35.300	35.429	35.535	35.593	35.613	35.700	35.809	35.934	36.075	36.232	36.403	36.586	36.780	36.984	37.194	37.408	37.623	37.836	38.043	38.241	38.426	38.598	38.755	38.895	39.021	39.133	39.233	39.321	39.401	39.473
38.868	39.476	39.900	40.166	40.307	40.367	40.385	40.391	40.415	40.443	40.475	40.512	40.555	40.604	40.660	40.725	40.800	40.888	40.990	41.109	41.249	41.411	41.599	41.816	42.062	42.339	42.647	42.985	43.350	43.741	44.156	44.593	45.051
ort 0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report 17.105 0.000		20.313 0.000	22.137 0.000	24.015 0.000	25.886 0.000	26.651 0.000	26.725 0.000	26.941 0.000	27.182 0.000	27.443 0.000	27.724 0.000	28.024 0.000	28.342 0.000	28.679 0.000	29.033 0.000	29.403 0.000	29.790 0.000	30.192 0.000	30.609 0.000	31.040 0.000	31.485 0.000	31.943 0.000	32.414 0.000	32.896 0.000	33.390 0.000	33.895 0.000	34.410 0.000	34.936 0.000	35.471 0.000	36.015 0.000	36.568 0.000	37.129 0.000
34.802 -0.000	5.002	35.182 -0.000	35.343 -0.000	35.485 -0.000	35.607 -0.000	35.679 -0.000	35.704 -0.000	35.815 -0.000	35.949 -0.000	36.105 -0.000	36.282 -0.000	36.478 -0.000	36.695 -0.000	36.932 -0.000	37.188 -0.000	37.463 -0.000	37.757 -0.000	38.068 -0.000	38.398 -0.000	38.744 -0.000	39.107 -0.000	39.487 -0.000	39.883 -0.000	40.293 -0.000	40.719 -0.000	41.159 -0.000	41.613 -0.000	42.081 -0.000	42.562 -0.000	43.055 -0.000	43.561 -0.000	44.078 -0.000
32.003 0.000		29.539 0.000	28.373 0.000	27.501 0.000	27.105 0.000	26.651 0.000	26.725 0.000	26.941 0.000	27.182 0.000	27.443 0.000	27.724 0.000	28.024 0.000	28.342 0.000	28.679 0.000	29.033 0.000	29.403 0.000	29.790 0.000	30.192 0.000	30.609 0.000	31.040 0.000	31.485 0.000	31.943 0.000	32.414 0.000	32.896 0.000	33.390 0.000	33.895 0.000	34.410 0.000	34.936 0.000	35.471 0.000	36.015 0.000	36.568 0.000	37.129 0.000
179.773 9200.581		179.773 9322.620	179.773 9366.025	179.773 9396.483	179.773 9413.400	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000
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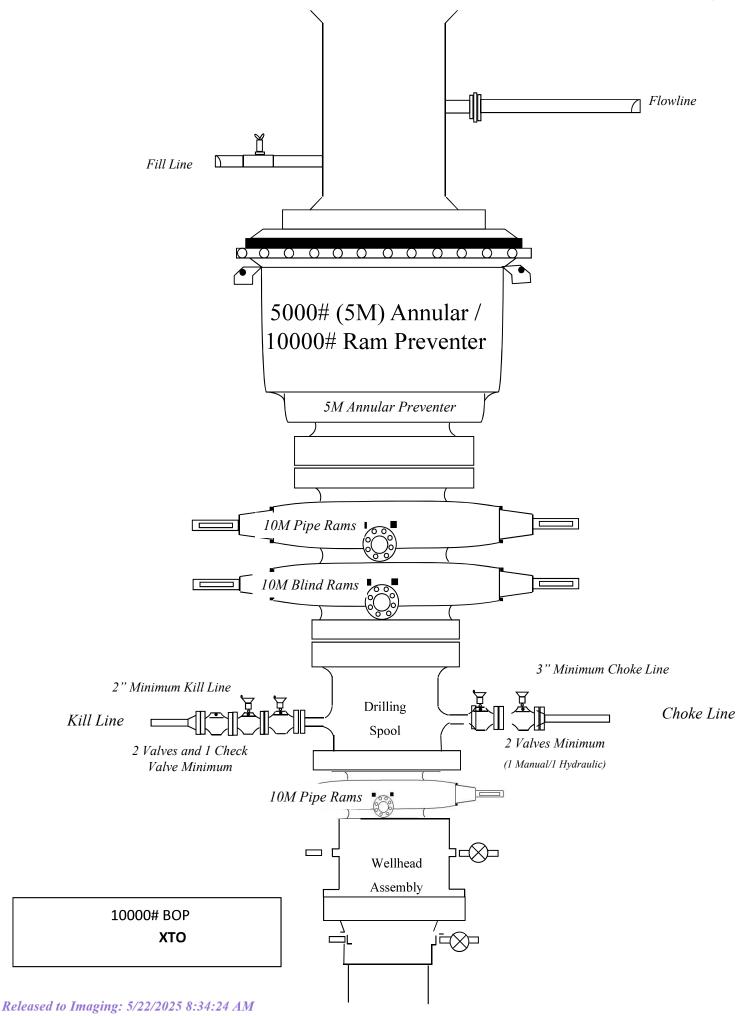
	-24.011 MWD+IFR1+MS	-22.578 MWD+IFR1+MS	-21.296 MWD+IFR1+MS	-20.144 MWD+IFR1+MS	-19.106 MWD+IFR1+MS	-18.168 MWD+IFR1+MS	-17.317 MWD+IFR1+MS	-16.543 MWD+IFR1+MS	-15.836 MWD+IFR1+MS	-15.187 MWD+IFR1+MS	-14.592 MWD+IFR1+MS	-14.042 MWD+IFR1+MS	-13.534 MWD+IFR1+MS	-13.063 MWD+IFR1+MS	-12.626 MWD+IFR1+MS	-12.218 MWD+IFR1+MS	-11.837 MWD+IFR1+MS	-11.480 MWD+IFR1+MS	-11.145 MWD+IFR1+MS	-10.831 MWD+IFR1+MS	-10.534 MWD+IFR1+MS	-10.255 MWD+IFR1+MS	-9.991 MWD+IFR1+MS	-9.741 MWD+IFR1+MS	-9.504 MWD+IFR1+MS	-9.279 MWD+IFR1+MS	-9.065 MWD+IFR1+MS	-8.862 MWD+IFR1+MS	-8.668 MWD+IFR1+MS	-8.483 MWD+IFR1+MS	-8.306 MWD+IFR1+MS	-8.137 MWD+IFR1+MS	-7.975 MWD+IFR1+MS
	39.538	39.598	39.653	39.705	39.753	39.799	39.842	39.884	39.924	39.963	40.001	40.038	40.075	40.110	40.146	40.181	40.216	40.251	40.285	40.320	40.354	40.389	40.424	40.458	40.493	40.529	40.564	40.600	40.635	40.672	40.708	40.745	40.782
	45.526	46.019	46.528	47.051	47.587	48.137	48.698	49.271	49.854	50.447	51.050	51.661	52.281	52.910	53.546	54.190	54.841	55.498	56.162	56.833	57.509	58.192	58.880	59.573	60.271	60.974	61.682	62.395	63.112	63.833	64.558	65.287	66.020
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	37.698 0.000	38.275 0.000	38.859 0.000	39.451 0.000	40.048 0.000	40.652 0.000	41.263 0.000	41.879 0.000	42.500 0.000	43.127 0.000	43.759 0.000	44.396 0.000	45.038 0.000	45.684 0.000	46.334 0.000	46.988 0.000	47.647 0.000	48.309 0.000	48.975 0.000	49.644 0.000	50.317 0.000	50.992 0.000	51.671 0.000	52.353 0.000	53.038 0.000	53.725 0.000	54.415 0.000	55.108 0.000	55.803 0.000	56.500 0.000	57.200 0.000	57.902 0.000	58.606 0.000
	44.607 -0.000	45.147 -0.000	45.698 -0.000	46.258 -0.000	46.829 -0.000	47.409 -0.000	47.998 -0.000	48.596 -0.000	49.202 -0.000	49.817 -0.000	50.439 -0.000	51.070 -0.000	51.707 -0.000	52.352 -0.000	53.003 -0.000	53.661 -0.000	54.325 -0.000	54.995 -0.000	55.671 -0.000	56.353 -0.000	57.040 -0.000	57.733 -0.000	58.430 -0.000	59.133 -0.000	59.840 -0.000	60.552 -0.000	61.268 -0.000	61.988 -0.000	62.712 -0.000	63.441 -0.000	64.173 -0.000	64.909 -0.000	65.648 -0.000
	37.698 0.000 4	38.275 0.000 4	38.859 0.000 4	39.451 0.000 4	40.048 0.000 4	40.652 0.000 4	41.263 0.000 4	41.879 0.000 4	42.500 0.000 4	43.127 0.000 4	43.759 0.000	44.396 0.000	45.038 0.000	45.684 0.000 5	46.334 0.000	46.988 0.000	47.647 0.000	48.309 0.000	48.975 0.000 5	49.644 0.000	50.317 0.000 5	50.992 0.000	51.671 0.000	52.353 0.000 5	53.038 0.000	53.725 0.000 6	54.415 0.000 6	55.108 0.000 6	55.803 0.000 6	56.500 0.000	57.200 0.000 6	57.902 0.000 6	58.606 0.000
	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179 773 9417 000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000
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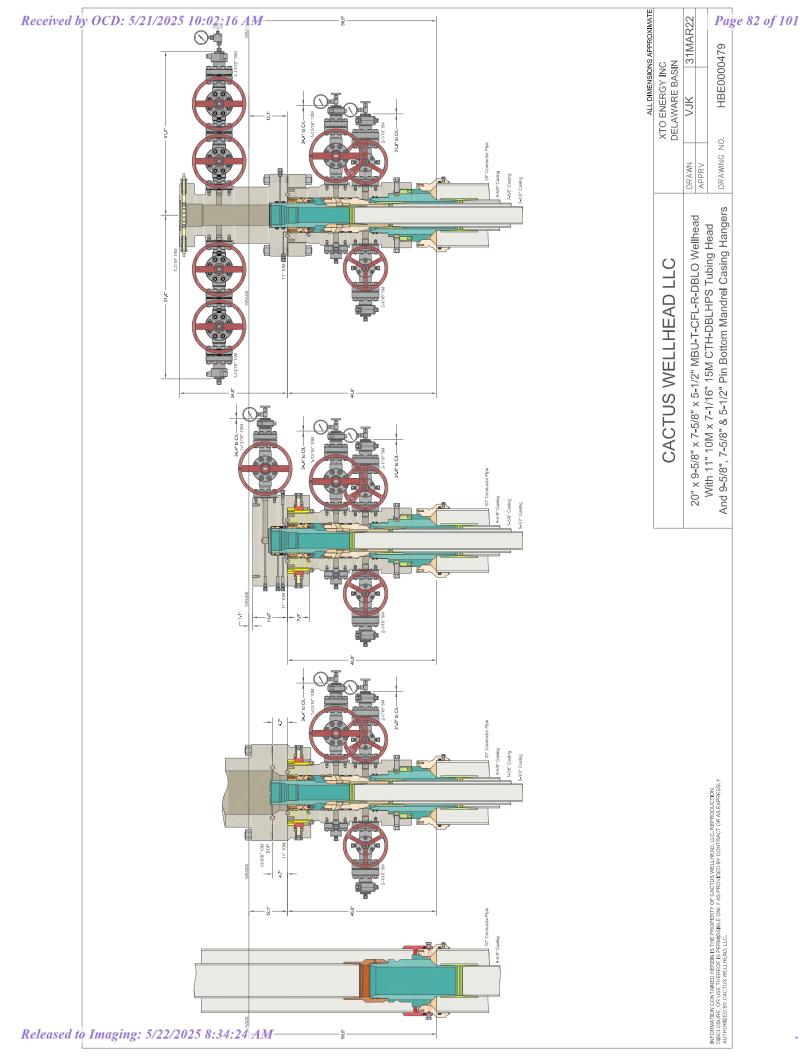
	-7.820 MWD+IFR1+MS	-7.671 MWD+IFR1+MS	-7.529 MWD+IFR1+MS	-7.392 MWD+IFR1+MS	-7.260 MWD+IFR1+MS	-7.133 MWD+IFR1+MS	-7.010 MWD+IFR1+MS	-6.893 MWD+IFR1+MS	-6.779 MWD+IFR1+MS	-6.669 MWD+IFR1+MS	-6.563 MWD+IFR1+MS	-6.461 MWD+IFR1+MS	-6.362 MWD+IFR1+MS	-6.266 MWD+IFR1+MS	-6.174 MWD+IFR1+MS	-6.084 MWD+IFR1+MS	-5.997 MWD+IFR1+MS	-5.912 MWD+IFR1+MS	-5.830 MWD+IFR1+MS	-5.751 MWD+IFR1+MS	-5.674 MWD+IFR1+MS	-5.599 MWD+IFR1+MS	-5.526 MWD+IFR1+MS	-5.455 MWD+IFR1+MS	-5.386 MWD+IFR1+MS	-5.319 MWD+IFR1+MS	-5.254 MWD+IFR1+MS	-5.190 MWD+IFR1+MS	-5.128 MWD+IFR1+MS	-5.068 MWD+IFR1+MS	-5.009 MWD+IFR1+MS	4.951 MWD+IFR1+MS	-4.895 MWD+IFR1+MS
	40.819	40.857	40.895	40.933	40.972	41.011	41.051	41.091	41.131	41.172	41.213	41.254	41.296	41.338	41.381	41.424	41.468	41.512	41.556	41.601	41.646	41.691	41.737	41.784	41.831	41.878	41.926	41.974	42.022	42.071	42.121	42.170	42.221
	66.757	67.497	68.241	68.988	69.738	70.491	71.248	72.007	72.769	73.533	74.301	75.070	75.843	76.617	77.394	78.174	78.955	79.738	80.524	81.311	82.101	82.892	83.685	84.480	85.276	86.074	86.874	87.676	88.479	89.283	90.089	968.06	91.705
ort	0.000	0.000	0.000	000'0	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	59.312 0.000	60.019 0.000	60.729 0.000	61.441 0.000	62.154 0.000	62.869 0.000	63.586 0.000	64.304 0.000	65.024 0.000	65.746 0.000	66.468 0.000	67.193 0.000	67.918 0.000	68.645 0.000	69.373 0.000	70.102 0.000	70.833 0.000	71.564 0.000	72.297 0.000	73.031 0.000	73.766 0.000	74.502 0.000	75.239 0.000	75.977 0.000	76.715 0.000	77.455 0.000	78.196 0.000	78.937 0.000	79.679 0.000	80.422 0.000	81.166 0.000	81.911 0.000	82.656 0.000
	66.391 -0.000	67.137 -0.000	67.887 -0.000	68.639 -0.000	69.395 -0.000	70.154 -0.000	70.915 -0.000	71.679 -0.000	72.446 -0.000	73.215 -0.000	73.987 -0.000	74.761 -0.000	75.537 -0.000	76.316 -0.000	77.097 -0.000	77.880 -0.000	78.665 -0.000	79.453 -0.000	80.242 -0.000	81.033 -0.000	81.825 -0.000	82.620 -0.000	83.416 -0.000	84.214 -0.000	85.014 -0.000	85.815 -0.000	86.618 -0.000	87.422 -0.000	88.228 -0.000	89.035 -0.000	89.844 -0.000	90.654 -0.000	91.465 -0.000
	59.312 0.000	60.019 0.000	60.729 0.000	61.441 0.000	62.154 0.000	62.869 0.000	63.586 0.000	64.304 0.000	65.024 0.000	65.746 0.000	66.468 0.000	67.193 0.000	67.918 0.000	68.645 0.000	69.373 0.000	70.102 0.000	70.833 0.000	71.564 0.000	72.297 0.000	73.031 0.000	73.766 0.000	74.502 0.000	75.239 0.000	75.977 0.000	76.715 0.000	77.455 0.000	78.196 0.000	78.937 0.000	79.679 0.000	80.422 0.000	81.166 0.000	81.911 0.000	82.656 0.000
	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000	179.773 9417.000
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19200.000	90.000	90.000 179.773 9417.000	83.402 0.000	92.277	92.277 -0.000	83.402 0.000	0.000	0.000	92.514	42.271	-4.841 MWD+IFR1+MS
19300.000	000'06	179.773 9417.000	84.149 0.000	93.091	-0.000	84.149	0.000	0.000	93.326	42.322	-4.787 MWD+IFR1+MS
19400.000	000'06	179.773 9417.000	84.897 0.000	93.906	-0.000	84.897	0.000	0.000	94.138	42.374	-4.735 MWD+IFR1+MS
19500.000	000'06	179.773 9417.000	85.645 0.000	94.722	0000	85.645	0.000	0.000	94.952	42.426	4.684 MWD+IFR1+MS
19600.000	90.000	179.773 9417.000	86.394 0.000	95.539	-0.000	86.394	0.000	0.000	95.767	42.478	-4.635 MWD+IFR1+MS
19700.000	000'06	179.773 9417.000	87.143 0.000	96.358	0000	87.143	0.000	0.000	96.583	42.531	4.586 MWD+IFR1+MS
19800.000	90.000	179.773 9417.000	87.893 0.000	97.177	-0.000	87.893	0.000	0.000	97.400	42.584	4.538 MWD+IFR1+MS
19900.000	000'06	179.773 9417.000	88.644 0.000	97.998	0000	88.644	0.000	0.000	98.218	42.638	-4.492 MWD+IFR1+MS
20000.000	000'06	179.773 9417.000	89.395 0.000	98.819	-0.000	89.395	0.000	0.000	99.038	42.692	4.446 MWD+IFR1+MS
20100.000	000'06	179.773 9417.000	90.147 0.000	99.642	-0.000	90.147	0.000	0.000	99,858	42.746	-4.402 MWD+IFR1+MS
20200.000	000'06	179.773 9417.000	000.0 668.06	100.465	-0.000	90.899	0.000	0.000	100.680	42.801	-4.358 MWD+IFR1+MS
20300.000	000'06	179.773 9417.000	91.652 0.000	101.290	-0.000	91.652	0.000	0.000	101,502	42.856	-4.316 MWD+IFR1+MS
20400.325	000'06	179.773 9417.000	92.408 0.000	102.118	-0.000	92.408	0.000	0.000	102.328	42.912	-4.274 MWD+IFR1+MS
20450.303	90.000	179.773 9417.000	92.784 0.000	102.530	0.000	92.784	0.000	0.000	102.739	42.940	-4.254 MWD+IFR1+MS
Plan Targets		Poker Lake L	Poker Lake Unit 20 BD 118H								
		Σ	Measured Depth		Grid	Grid Northing	_	Grid Easting	asting	TVD MSL	TVD MSL Target Shape
Target Name			(ft)			(ft)	_		(ft)	(#)	
FTP 3			9971.81		`	403228.80		6322	632257.40	6227.00 CIRCLE	CIRCLE
LTP 3			20400.32			392800.40		6322	632298.70	6227.00 CIRCLE	CIRCLE
BHL 3			20450.50		.,	392750.40		632	632298.70	6227.00 CIRCLE	CIRCLE





L80-IC

Casing



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.
Min. Wall Thickness	87.50 %
Connection OD Option	REGULAR

Wall Thickness	0,375 in,	Grade
Pipe Body Drift	API Standard	Туре

Pipe Body Data

Geometry			
Nominal OD	7.625 in.	Wall Thickness	0 . 375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29 <u>.</u> 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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For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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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.
Min. Wall Thickness	90.00 %
Connection OD Option	REGULAR

Wall Thickness	0,375 in,
Pipe Body Drift	API Standard

Glade	1 110-101
Туре	Casing

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.		

1068 x1000 lb
11,070 psi
125,000 psi
7360 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	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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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-IC	Grade: P110-IC
Body: White	1st Band: White
1st Band: -	2nd Band: Pale Green
2nd Band: -	3rd Band: =
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

0,361 in. API Standard

Outside Diameter	5,500 in.	Wall Thickness
Min. Wall Thickness	87.50 %	Pipe Body Drift
Connection OD Option	REGULAR	

Grade	P110-IC
Туре	Casing

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	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	522 x1000 lb
Internal Pressure Capacity	12,640 psi
Compression Efficiency	81.50 %
Compression Strength	522 x1000 lb
Max. Allowable Bending	74,98 °/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	32,000 ft-lb
Yield Torque	38,000 ft-lb
Buck-On	
Minimum	19,200 ft-lb
Maximum	20,700 ft-lb

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
Connection performance values are related to structural capabilities. For sealability-related performance information, request the Connection Service Envelope from your local Tenaris

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

Description of Operations:

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



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WEB: www.gates.com/oilandgas

NEW CHOKE HOSE

INSTRUED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

CU	ST	ON	FR:	
	-	-		

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 #:

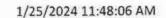
74621 H3-012524-1

SIGNATURE: F. OJSWOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15/16





TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number: H3-012524-1

Lot number: Description:

Production description:

Sales order #:

74621/66-1531 529480

Customer reference:

FG1213

Hose ID:

3" 16C CK

74621/66-1531

3.0 x 4-1/16 10K

3.0 x 4-1/16 10K

Part number:

TEST INFORMATION

Test pressure hold:

Work pressure hold:

Length difference:

Length difference:

Test procedure: Test pressure:

Work pressure:

GTS-04-053 15000.00

psi

sec

10000.00

3600.00

900.00

% inch

psi

sec

Fitting 1:

Part number:

Description:

Fitting 2:

Part number:

Description:

Length:

45

feet

n 17

Visual check:

Pressure test result:

PASS

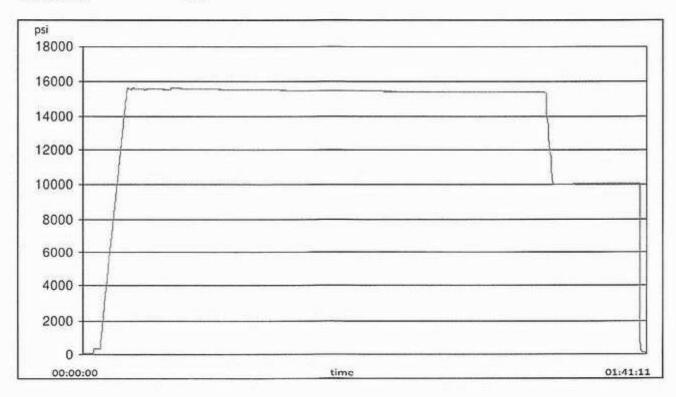
0.00

0.00

Length measurement result:

Test operator:

Travis





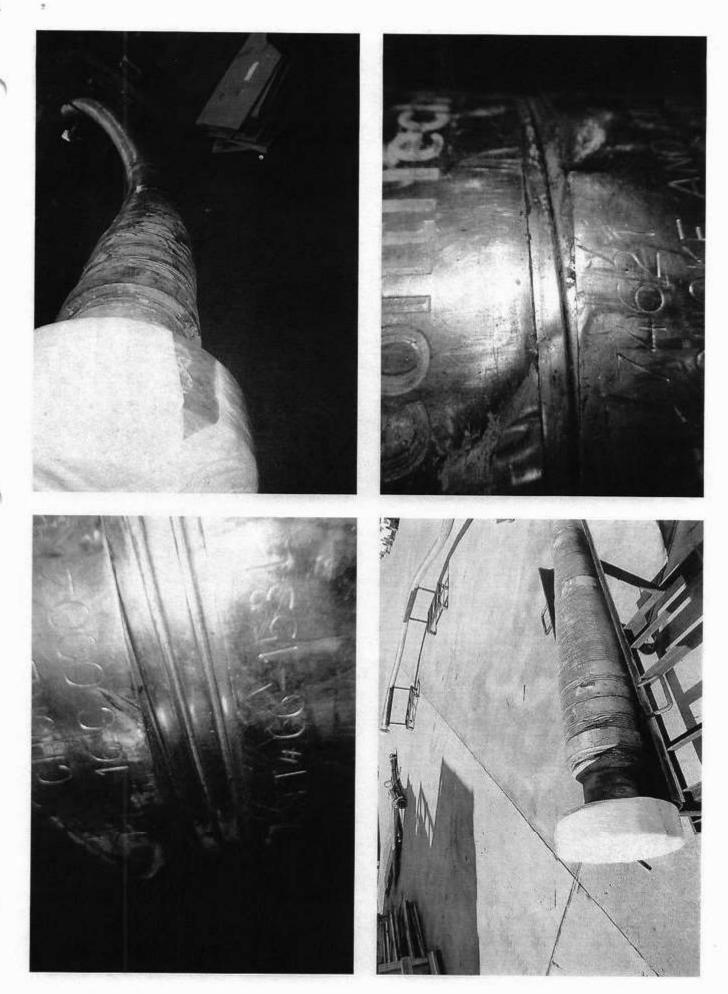
H3-15/16

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TEST REPORT

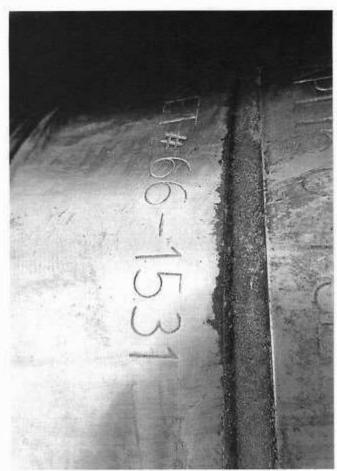
GAUGE TRACEABILITY

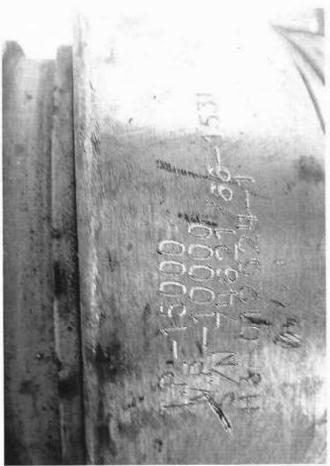
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16
Comment			

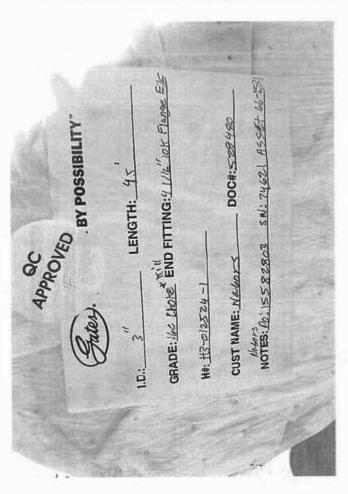


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Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

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

Tal	ole C.4—Initial Pressure Te	esting, Surface BOP Stacks			
	Pressure Test—Low	Pressure Test	Pressure Test—High Pressure		
Component to be Pressure Tested	Pressure ^{ac} psig (MPa)	Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket		
Annular preventer ^b	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.		
Fixed pipe, variable bore, blind, and BSR preventers ^{bd}	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP		
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP		
Choke manifold—upstream of chokes ^e	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP		
Choke manifold—downstream of chokese	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower			
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program			
	during the evaluation period. The p	pressure shall not decrease below the allest OD drill pipe to be used in well			
	from one wellhead to another within when the integrity of a pressure se	n the 21 days, pressure testing is req	uired for pressure-containing an		
^d For surface offshore operations, th	ne ram BOPs shall be pressure tes land operations, the ram BOPs sha	ted with the ram locks engaged and all be pressure tested with the ram lo			

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

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

XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 Oand often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after

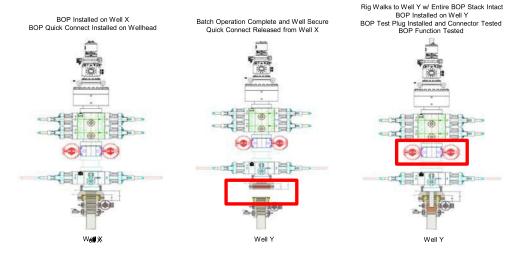
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

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

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

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



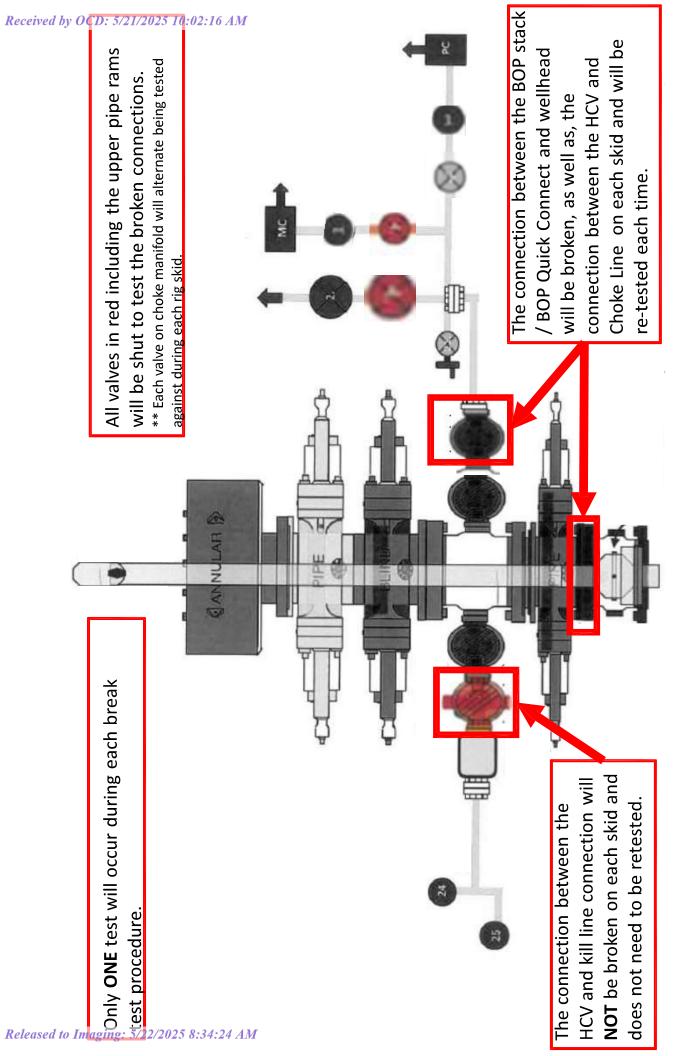
Summary

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

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

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

- 1. After a full BOP test is conducted on the first well on the pad.
- 2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
- 3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
- 4. Full BOP test will be required prior to drilling the production hole.



XTO Permian Operating, LLC Offline Cementing Variance Request

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

1. Cement Program

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

2. Offline Cementing Procedure

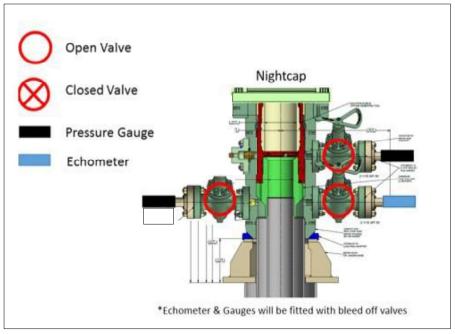
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

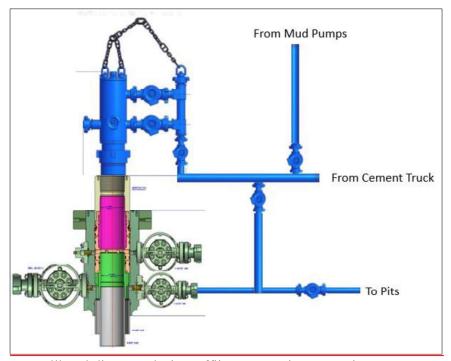
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

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

Phone: (505) 629-6116

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

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

CONDITIONS

Action 465717

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	465717
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
sweis	Cement is required to circulate on both surface and intermediate1 strings of casing.	5/21/2025
sweis	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	5/21/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	5/22/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	5/22/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	5/22/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	5/22/2025