

Notice of Intent

Sundry ID: 2844291

Type of Submission: Notice of Intent

Date Sundry Submitted: 03/28/2025

Type of Action: APD Change

Time Sundry Submitted: 12:45

Date proposed operation will begin: 04/04/2025

Procedure Description: 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, pool, and dedicated acreage. FROM: TO: KOP: 105' FSL & 1948' FEL OF SECTION 20-T25S-R30E 616' FSL & 1385' FEL OF SECTION 20-T25S-R30E FTP: 100' FNL & 1925' FEL OF SECTION 29-T25S-R30E 100' FNL & 1384' FEL OF SECTION 29-T25S-R30E LTP: 100' FSL & 1925' FEL OF SECTION 32-T25S-R30E 330' FSL & 1361' FEL OF SECTION 32-T25S-R30E BHL: 50' FSL & 1925' FEL OF SECTION 32-T25S-R30E 280' FSL & 1360' FEL OF SECTION 32-T25S-R30E The proposed total depth is changing from 20823' MD; 10001' TVD to 22493' MD; 11762' TVD. The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Purple Sage; Wolfcamp (Gas) (98220). Dedicated Acreage is changing from 320 Acres to 640 Acres. There is no new surface disturbance.

NOI Attachments

Procedure Description

POKER_LAKE_UNIT_20BD_309H_Sundry_Docs_20250401125111.pdf

Received by OCD: 5/9/2025 12:11:19 PM Well Name: POKER LAKE UNIT 20 BD	Well Location: T25S / R30E / SEC 20 / SWSE / 32.108598 / -103.9011	County or Parish/State: EDD
Well Number: 309H	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

PLU_20_BD_309H_COA_20250412100554.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: SHARMON TUBBS

Signed on: APR 01, 2025 12:50 PM

Name: XTO PERMIAN OPERATING LLC

Title: Data Entry Clerk

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING State: TX

Phone: (346) 502-7023

Email address: SHARMON.TUBBS@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

Phone:

Email address:

State:

Zip:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Phone: 5752342234

Disposition: Approved

BLM POC Title: Petroleum Engineer

BLM POC Email Address: cwalls@blm.gov

Disposition Date: 05/09/2025

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<i>Received by OCD</i>	: 3/9/2023 12:	11:19 PM				Page 3 of		
Form 3160-5 (June 2019)		UNITED STATES PARTMENT OF THE INT			Ех	FORM APPROVED OMB No. 1004-0137 xpires: October 31, 2021		
	BUR	EAU OF LAND MANAG	EMENT		5. Lease Serial No. NMLC064894			
	not use this f	NOTICES AND REPOR [®] form for proposals to c Use Form 3160-3 (APD	drill or to re	-enter an	6. If Indian, Allottee or Tribe	Name		
		TRIPLICATE - Other instruction	••••		7. If Unit of CA/Agreement, Name and/or No.			
1. Type of Well V Oil W	/ell 🗌 Gas V	Vell Other	POKER LAKE UNIT/NMNM71016 8. Well Name and No. POKER LAKE UNIT 20 BD/309H	^				
2. Name of Operator	XTO PERMIAN		9. API Well No.					
			Phone No. (incl	ude area code)	10. Field and Pool or Explore	atory Area		
01011			32) 683-2277		WC-015 G-06 S243119C/Bone S	pring		
4. Location of Well (SEC 20/T25S/R3	0	R.,M., or Survey Description)			11. Country or Parish, State EDDY/NM			
	12. CHE	CK THE APPROPRIATE BOX(ES) TO INDICA	ATE NATURE (OF NOTICE, REPORT OR OT	HER DATA		
TYPE OF SU	BMISSION			TYPI	E OF ACTION			
✓ Notice of Inte	ent	Acidize	Deepen		Production (Start/Resume)) Water Shut-Off		
		Alter Casing	Hydraulic	e Fracturing	Reclamation	Well Integrity		
Subsequent R	eport	Casing Repair	New Con		Recomplete	Other		
Final Abando	nment Notice	Change Plans	Plug and Plug Bacl		Temporarily Abandon Water Disposal			
completion of th completed. Final is ready for final XTO Permiar FTP, LTP, BH FROM: TO: KOP: 105 FS FTP: 100' FN LTP: 100' FS BHL: 50' FSL The proposed Continued on	e involved operatic Abandonment No inspection.) n Operating, LLC. IL, proposed tota L & 1948 FEL Of L & 1925' FEL O L & 1925' FEL O & 1925' FEL OF d total depth is ch page 3 additiona	ons. If the operation results in a magnetices must be filed only after all magnetices must be filed only after all magnetices must be filed only after all magnetices approvant of the section 20-T25S-R30E 1 and the section 20-T25S-R30E 1 and section 32-T25S-R30E 28 and anging from 20823 MD; 1000 all information	nultiple complet requirements, ind al to make the acreage. 16 FSL & 1385 00' FNL & 138 30' FSL & 1360 10' FSL & 1360 11 TVD to 2249	ion or recomple cluding reclama following char 5 FEL OF SEC 4' FEL OF SEC 1' FEL OF SEC ' FEL OF SEC	tion in a new interval, a Form tion, have been completed and nges to the approved APD. C TION 20-T25S-R30E CTION 29-T25S-R30E CTION 32-T25S-R30E CTION 32-T25S-R30E	ust be filed within 30 days following 3160-4 must be filed once testing has been the operator has detennined that the site Changes to include KOP,		
		true and correct. Name (Printed	Data Entry	Clerk				
SHARMON TUBB	5 / Pn: (346) 502	2-7023	le					
Signature (Electronic Submission) Date					04/01/2025			
		THE SPACE F	OR FEDER	AL OR STA	TE OFICE USE			
Approved by								
CHRISTOPHER	WALLS / Ph: (57	5) 234-2234 / Approved		Title Petrol	eum Engineer	05/09/2025 Date		
certify that the applic	ant holds legal or e	hed. Approval of this notice does equitable title to those rights in the induct operations thereon.		Office CAR	RLSBAD	<u>.</u>		

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Purple Sage; Wolfcamp (Gas) (98220).

Dedicated Acreage is changing from 320 Acres to 640 Acres.

There is no new surface disturbance.

Location of Well

0. SHL: SWSE / 105 FSL / 1948 FEL / TWSP: 25S / RANGE: 30E / SECTION: 20 / LAT: 32.108598 / LONG: -103.9011 (TVD: 0 feet, MD: 0 feet) PPP: NWNE / 100 FNL / 1925 FEL / TWSP: 25S / RANGE: 30E / SECTION: 29 / LAT: 32.108035 / LONG: -103.901025 (TVD: 10001 feet, MD: 10400 feet) BHL: SWSE / 50 FSL / 1925 FEL / TWSP: 25S / RANGE: 30E / SECTION: 32 / LAT: 32.079211 / LONG: -103.901102 (TVD: 10001 feet, MD: 20823 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

LEASE NO.:	NMLC064894
LOCATION:	Sec. 20, T.25 S, R 30 E
COUNTY:	Eddy County, New Mexico 💌
WELL NAME & NO.:	Poker Lake Unit 20 BD 309H
SURFACE HOLE FOOTAGE:	105'/S & 1948'/E
BOTTOM HOLE FOOTAGE:	280'/S & 1360'/E

Changes approved through engineering via **Sundry 2844291** *on* 4-12-2025. *Any previous COAs not addressed within the updated COAs still apply.*

COA

H ₂ S	0	No	• Yes			
Potash /	None	C Secretary	🖸 R-111-Q	🖾 Open Annulus		
WIPP	Choos	e an option (including bla	ank option.) 🗖 WIP			
Cave / Karst	rst 💿 Low 🗢 Medium		🖸 High	C Critical		
Wellhead	Conventional	Multibowl	C Both	C Diverter		
Cementing	🔽 Primary Squeeze	🖾 Cont. Squeeze	🔽 EchoMeter	🖾 DV Tool		
Special Req	🗖 Capitan Reef	🖾 Water Disposal	COM	🗹 Unit		
Waste Prev.	C Self-Certification	🖱 Waste Min. Plan	APD Submitted p	prior to 06/10/2024		
Additional	🔽 Flex Hose	Casing Clearance	🔲 Pilot Hole	🗹 Break Testing		
Language	Four-String	Offline Cementing	🔽 Fluid-Filled			

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet all requirements from 43 CFR 3176, 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 **958** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be

notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of <u>8 hours</u> or <u>500 pounds compressive strength</u>, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. First stage: Operator will cement with intent to reach the top of the Brushy Canyon at 6181'.
- b. Second stage: Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

Operator has proposed to pump down Surface X <u>Intermediate 1</u> annulus after primary cementing stage. <u>Operator must run Echo-meter to verify Cement Slurry/Fluid top in the</u> <u>annulus OR operator shall run a CBL from TD of the Surface casing to tieback</u> <u>requirements listed above after the second stage BH to verify TOC.</u> Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

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

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

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
- 2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

<u>Unit Wells</u>

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

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months. (This is not necessary for secondary recovery unit wells)

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for intervals utilizing a 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:

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

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - 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.

- 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 <u>8 hours</u>. 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. <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. 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.
 - In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve

open. (only applies to single stage cement jobs, prior to the cement setting up.)

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Approved by Zota Stevens on 4/12/2025

575-234-5998 / zstevens@blm.gov

<u>C-1(</u>	<u>State of New Mexico</u> Energy, Minerals & Natural Resources Department							nent			Revised July 9,	
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				,	WELLIO		INFORMATION	N			ł	
API Nu 30-0			Pool Code	98220		Pool Nam	e	age, Wolf	fcamp (Gas)		
	ty Code		Property Name		POKER LAKE UNIT 20 BD					(10)	Well N 309	Number
ORGII 3730			Operator Name	XTO F	PERMIAN C	PERATIN	IG, LLC.					d Level Elevation
Surface	e Owner: 🔲	State 🗌 F	ee 🗌 Tribal 🕅	Federal			Mineral Owner:	🗙 State 🔲 I	Fee 🔲 Trib	al 🛛 Fed	leral	
						Surface	Location					
UL O	Section 20	Townshi 25 S	-	Lot	Ft. from N/ 105'		Ft. from E/W 1,948' FEL	Latitude 32.108		Longitude -103.90	1100	County EDDY
			I		В	ottom Ho	ole Location					
UL O	Section 32	Townshi 25 S	P Range 30 E	Lot	Ft. from N/ 280'		Ft. from E/W 1,360' FEL	Latitude 32.079		Longitude -103.89	9272	County EDDY
Dedica 640	ited Acres	Infill or D	efining Well _L		g Well API)-015-4562	5	Overlapping Spacing	g Unit (Y/N)	Consolid	lation Code	e	
Order 1	Numbers.						Well setbacks are un	nder Common	Ownership:	X Yes	🗌 No	
UL	Section	Townshi		Lot	Ft. from N	/S	Point (KOP) Ft. from E/W	Latitude		Longitude		County
0	20	25 S	30 E		616'		1,385' FEL	32.110	015	-103.89	9277	EDDY
UL	Section	Townshi	o Range	Lot	Ft. from N		Point (FTP) Ft. from E/W	Latitude	I	Longitude		County
В	29	25 S	30 E		100'		1,384' FEL	32.108		-103.89	9278	EDDY
							Point (LTP)					
UL O	Section 32	Townshi 25 S	P Range 30 E	Lot	Ft. from N/ 330'		Ft. from E/W 1,361' FEL	Latitude 32.079		Longitude -103.89	9274	County EDDY
Unitize	ed Area or Ar		n Interest IM-071016X	Spacing	g Unit Type	🛛 Horizon	tal 🗌 Vertical	Gı	ound Floor	Elevation		3'
OPE	RATOR C	CERTIFIC	ATIONS				SURVEYOR	CERTIFIC	ATIONS	5		
best of interes	my knowledg t or unleased	ge and belief, mineral inte	ion contained her and that this org rest in the land in	anization e cluding th	either owns a e proposed be	working ottom hole	I hereby certify th notes of actual su is true and correc I, TIM C. PAPPAS, NE	urveys made by at to the best of	y me or una f my belief.	ler my sup	ervision	
an own agreen	ter of such a tent or a com	, mineral or w pulsory pool	is well at this loca orking interest, or ing order heretof	r to a volu. ore entered	ntary pooling d by the divisi	ion.	21209, DO HEREBY C ACTUAL SURVEY ON T WERE PERFORMED BY THAT I AM RESPONSIE MEETS THE MINIMUM	ERTIFY THAT THI THE GROUND UP ME OR UNDER BLE FOR THIS SI STANDARDS FOR	S SURVEY PL DN WHICH IT MY DIRECT S JRVEY, THAT SURVEYING I	AT AND THE IS BASED SUPERVISION THIS SURVE N NEW	E ; / \	C. PAPPA
the con interes	isent of at lea t in each trac eted interval v	st one lessee t (in the targ	further certify the or owner of a wo et pool or formati d or obtained a c	rking inte on) in whi	rest or unleas ich any part o	ed mineral f the well's	MEXICO, AND THAT IS MY KNOWLEDGE AND TIM C. PAPPAS REGISTERED PROFESS		I Mar	. (025	21209
Sa	manti	ha W	ris	4/1/202	25		STATE OF NEW MEXIC	0 NO. 21209			Trs.	SIONAL SURV
			25 10:35:54	AM			Signature and Seal	of Profession	al Surveyor			
0				-			-		2			

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	47° 20'50"	764.50'							
L2	179° 46'21"	716.24'							
L3	179° 45'35"	10,257.58'							

	COORDINATE TABLE									
SH	IL (NAD 83			LTP (NAD 83 NME)						
Y =	403,512	2.5	N	Y			1	-, N		
X =	675,167	7.0	E	X =			675,774.3	E		
LAT. =	32.1085			LAT			32.079987	°N	1	
LONG. =							103.899274	°W		
	P (NAD 83						AD 83 NME	E)		
Y =	404,030	0.5	N	Y		· · · / /				
X =	675,729	9.3	F	X =			675,775.2	N F		
LAT. =	32.1100			LAT			32.079849	°N	1	
LONG. =		_		LON			103.899272	°N		
	P (NAD 83								-	
Y =	403,314	4.3	N							
X =	675,732									
LAT. =	32.1080									
LONG. =	103.8992	78	°W							
SH	IL (NAD 27	NN	1E)		L	TP (N	IAD 27 NME	.)		
Y =	403,454	4.2	N	Y	=		393,048.8	N		
X =	633,982			Χ=	=		634,589.0	E		
LAT. =	32.1084	72	°N	LAT	. =		32.079862	٩N	I	
LONG. =	103.9006	17	°W	LON	G. =		103.898792	°N	/	
KC	P (NAD 27	NN	1E)		В	HL (N	AD 27 NME	E)		
Y =	403,972	2.2	N	Y	=		392,998.8	N		
X =	634,544	4.4	E	Χ=	=		634,589.9	E		
LAT. =	32.1098			LAT			32.079724	°N		
LONG. =	103.8987	95	°W	LON	G. =		103.898790	٩N	/	
FT	P (NAD 27	NM	IE)							
Y =	403,256	6.0	N							
X =	634,547	7.3	E							
LAT. =	32.1079	21								
LONG. =										
	#1 (NAD 8	3 N	ME)			P #1	(NAD 27 NN	1E)		
Y =	403,414			Y			403,356.0			
X =	675,73 ⁻	_		X =			634,546.9	E		
LAT. =	32.1083			LAT			32.108196	°N		
LONG. =				LON			103.898794	٩٥	/	
	#2 (NAD 8						(NAD 27 NN	<u> </u>		
Y =	398,096			Y			398,037.9	N		
X =	675,753			X =			634,568.6	E		
	32.0937			LAT. =			32.093577			
LONG. =	103.8992	76	°W	LON	G. =		103.898794	٩٥	/	
	CO	R			ται	ES (NAD83 NM	E)		
	A - Y =		403,398.9	-				<u></u> 144.4	F	
	B - Y =		400,741.1							
	C - Y =		398,083.4					178.6		
			000,000.4			<u></u>	07-4,-		-	

~			LATEO /		
J - Y =	392,777.0	Ν	J - X =	675,803.8	Е
I-Y=	395,436.9	Ν	I - X =	675,809.7	Е
H - Y =	398,096.8	Ν	H - X =	675,820.0	Е
G - Y =	400,756.1	Ν	G - X =	675,797.5	Е
F - Y =	403,414.8	Ν	F - X =	675,779.8	Е
E - Y =	392,766.4	Ν	E - X =	674,473.4	Е
D - Y =	395,424.5	Ν	D - X =	674,476.0	Е

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

ExxonMobil

Poker Lake Unit 208D - 309H Projected TD: 22493' MD / 11762' TVD SHL: 105' FSL & 1948' FEL , Section 20, T25S, R30E BHL: 280' FSL & 1360' FEL , Section 32, T25S, R30E Eddy County, NM

1. Geologic Name of Surface Formation A. Quaternary

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

Formation	Well Depth	Water/Oil/Gas	Section View
Rustler	626'	Water	0 SHL 7
Salado	983'	Water	2000
Base of Salt	3435'	Water	
Delaware	3673'	Water	<u><u> </u></u>
Cherry Canyon	4579'	Water/Oil/Gas	4000 A 4000
Brushy Canyon	6181'	Water/Oi l /Gas	
Basal Brushy Canyon	7225'	Water/Oi l /Gas	······································
Bone Spring Lm.	7471'	Water/Oil/Gas	× КОР
Avalon	7607'	Water/Oil/Gas	9 10000 BHL FTP
Lower Avalon	8021'	Water/Oi l /Gas	12000
1st Bone Spring Lime	8200'	Water/Oil/Gas	LTP
1st Bone Spring Sand	8428'	Water/Oi l /Gas	14000
2nd Bone Spring Shale	8696'	Water/Oi l /Gas	-12000 -10000 -8000 -6000 -4000 -2000 0 2000
2nd Bone Spring Lime	8899'	Water/Oil/Gas	Vertical Section (ft)
2nd Bone Spring Sand	8939'	Water/Oi l /Gas	
2nd Bone Spring T/B Carb	9407'	Water/Oi l /Gas	-12000 Plan View
3rd Bone Spring Lime	9550'	Water/Oil/Gas	BHL
Harkey	9982'	Water/Oi l /Gas	£10000
3rd Bone Spring Shale	10013'	Water/Oi l /Gas	÷-8000
Wolfcamp X	10782'	Water/Oil/Gas	- Ē-6000
Wolfcamp Y	10844'	Water/Oi l /Gas	Ž -4000
Wolfcamp A	10897'	Water/Oil/Gas	
Wolfcamp B	11309'	Water/Oil/Gas	- 2000 FTP
Wolfcamp C	11463'	Water/Oi l /Gas	FTP 0 SHL W KOP
Wo l fcamp D	11687'	Water/Oil/Gas	
Landing	11762'	Water/Oil/Gas	14000 9000 4000 -1000 -6000 -11000 -16000
Wolfcamp E	11793'	Water/Oi l /Gas	West(-)/East(+) (ft)
Wolfcamp F	12061'	Water/Oi l /Gas	

			True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
КОР	0	0	11046	518	562
LP	90	180	11762	-198	565
FTP	90	180	11762	-198	565
LTP	90	180	11762	-10405	607
BHL	90	180	11762	-10455	607

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 958' and circulating cement back to surface.

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3. Primary Casing Design Primary Design:

Filling Design										
Ho l e Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tensior
12.25"	0' - 958'	958'	9-5/8"	40	J55	BTC	New	13.44	12.39	5.27
8.75"	0' – 4000'	3960'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.00	8.58	2.88
8.75"	4000' – 10961'	10896'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	1.78	3.95	2.03
6.75"	0' - 10861'	10796'	5-1/2"	20	P110-CY	TPN	New	1.18	2.37	2.16
6.75"	10861' – 22493'	11762'	5-1/2"	20	P110-IC	Tenaris Wedge 441	New	1.18	2.41	2.30

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement. The planned kick off point is located at: 11111' MD / 11046' 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	195	12.4	2.11	0	958	100%	
Surface 1	Tail	141	14.8	1.33	658	958	100%	
Intermediate 1	Lead							
Intermediate 1	Tail	447	14.8	1.45	6181	10,961	0%	
Production 1	Lead							
Production 1	Tail	2639	13.2	1.44	10461	22,493	25%	
	· · · · · · · · · · · · · · · · · · ·		Re	emedial Cement	ing			
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cement	ed Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead Squeeze	643	14.8	1.45	0-	6181'	50%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline			

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) 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.

5B) 10M Annular Variance

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

8A) Open Hole Logging Variance Open hole logging will not be done on this well.

10A) Spudder Rig Variance

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

10B) Batch Drilling Variance

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

6. Proposed Mud Circulation System

INITE	RVAL	Hole Size	Mud Type	MW	Viscosity	Fluid Loss	Comments
	NVAL	THOIR SIZE	Waa Type	(ppg)	(sec/qt)	(cc)	Comments

0' – 958'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
958' - 10961'	8.75"	BDE/OBM or FW/Brine		30-32	NC	Huid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
10961' - 22493'	6.75"	OBM	9.5 - 12.5	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 181F to 201F. 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.



Re	Formation I I	Rustler	Salado	Base of Salt	Delaware	Cherry Canyon		hy Canyon	Bone Spring Lm.	Avalon Avalon	Lower Avalon	Bone Spring Lime	1st Bone Spring Sand	2nd Bone Spring Shale	2nd Bone Spring Lime	2nd Bone Spring Sand	2nd Bone Spring T/B Carb	2nd Bone Spring Sand (Lwr)	3rd Bone Spring Lime	Harkey	Bone Spring Shale	Bone Spring Sand	Wolfcamp	Wolfcamp X	Wolfcamp Y	Wolfcamp A	Wolfcamp B	Wolfcamp C	Wolfcamp D	Landing	The second s
						0	8	Basi	B			1st I	1st I	2nd I	2nd	2nd	2nd Bo	2nd Bor	3rd I		3rd F	3rd I									



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Site:

Slot:

11762.00 ft

New Mexico East -

NAD 27

Reference System:

Northing:

Easting:

RKB:

Cartographic

403454.20 ft 633982.10 ft 3210.00 ft 3178.00 ft

22493.04 ft

Poker Lake Unit 20 BD 309H

Measured			TVD			Build	Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	
(#1)	(Deg)	(Deg)	(H)	(ft)	(H)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target	
0.00	00.0	00.0	0.00	0.00	0.00	00.00	0.00	0.00	
1100.00	0.00	00.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1604.77	10.10	47.35	1602.16	30.05	32.62	2.00	0.00	2.00	
5460.14	10.10	47.35	5397.84	487.94	529.65	0.00	0.00	0.00	
5964.91	0.00	00.0	5900.00	517.99	562.27	-2.00	0.00	2.00	
11110.71	00.0	00.0	11045.80	517.99	562.27	00.00	0.00	0.00	
12235.71	00.00	179.77	11762.00	-198.20	565.20	8.00	0.00	8.00 FTP 5	
22442.99	90.00	179.77	11762.00	-10405.40	606.90	00.00	0.00	0.00 LTP 5	
22493.04	00.06	179.77	11762.00	-10455.44	607.10	00.0	00.0	0.00 BHL 5	
Position Uncertainty	Pol	Poker Lake Unit 20 BD 309H	BD 309H						Pa
Measured		TVD Highside	de Latera	ral Vertical		de Semi-major	Semi-minor	Magnitude Semi-major Semi-minor Semi-minor Tool	ge 22 o
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Poker Lake Unit 20 BD 309H

Plan Sections

Grid

0.23 Deg

Convergence Angle:

North Reference:

Ground Level:

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TVD RKB:

Location

Measured Depth:

	Azimuth Used	(。)	0.000 MWD+IFR1+MS	112.264 MWD+IFR1+MS	122.711 MWD+IFR1+MS	125.469 MWD+IFR1+MS	126.713 MWD+IFR1+MS	127.419 MWD+IFR1+MS	127.873 MWD+IFR1+MS	128.190 MWD+IFR1+MS	128.423 MWD+IFR1+MS	128.602 MWD+IFR1+MS	128.744 MWD+IFR1+MS	128.859 MWD+IFR1+MS	133.021 MWD+IFR1+MS	-40.456 MWD+IFR1+MS	-37.308 MWD+IFR1+MS	-35.506 MWD+IFR1+MS	-34.192 MWD+IFR1+MS	-33.464 MWD+IFR1+MS	-33.089 MWD+IFR1+MS	-32.695 MWD+IFR1+MS	-32.308 MWD+IFR1+MS	-31.928 MWD+IFR1+MS	-31.554 MWD+IFR1+MS	-31.188 MWD+IFR1+MS	-30.828 MWD+IFR1+MS	-30.474 MWD+IFR1+MS	-30.126 MWD+IFR1+MS	-29.784 MWD+IFR1+MS	-29.447 MWD+IFR1+MS	-29.116 MWD+IFR1+MS	-28.790 MWD+IFR1+MS
	Error	(H)	0.000	0.220	0.627	0.986	1.344	1.701	2.059	2.417	2.775	3.133	3.491	3.849	4.228	4.624	4.995	5.358	5.738	6.088	6.466	6.845	7.223	7.602	7.980	8.358	8.736	9.114	9.493	9.871	10.249	10.627	11.005
	Error	(#)	0.000	0.751	1.259	1.698	2.108	2.503	2.888	3.267	3.642	4.014	4.384	4.752	5.278	6.030	6.729	7.381	8.060	8.430	8.709	8.997	9.290	9.590	9.894	10.203	10.517	10.834	11.155	11.479	11.806	12.136	12.468
ort	of Bias	(t t)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	Error Bias	(ft) (ft)	0.000 0.000	2.300 0.000	2.309 0.000	2.325 0.000	2.346 0.000	2.373 0.000	2.405 0.000	2.441 0.000	2.483 0.000	2.528 0.000	2.577 0.000	2.630 0.000	2.686 0.000	2.746 0.000	2.811 0.000	2.883 0.000	2.973 0.000	3.047 0.000	3.123 0.000	3.203 0.000	3.286 0.000	3.371 0.000	3.458 0.000	3.548 0.000	3.640 0.000	3.735 0.000	3.831 0.000	3.929 0.000	4.029 0.000	4.130 0.000	4.234 0.000
	Bias	(11)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Error	(H)	0.000	0.350	0.861	1.271	1.658	2.034	2.405	2.773	3.138	3.502	3.865	4.228	4.235	4.626	5.012	5.395	5.798	6.159	6.538	6.919	7.299	7.679	8.059	8.439	8.818	9.198	9.577	9.957	10.336	10.715	11.095
	Error Bias	(ft) (ft)	0.000 0.000	0.700 0.000	1.112 0.000	1.497 0.000	1.871 0.000	2.240 0.000	2.607 0.000	2.971 0.000	3.334 0.000	3.696 0.000	4.058 0.000	4.419 0.000	5.271 0.000	6.018 0.000	6.695 0.000	7.318 0.000	7.963 0.000	8.330 0.000	8.611 0.000	8.900 0.000	9.195 0.000	9.497 0.000	9.803 0.000	10.115 0.000	10.432 0.000	10.752 0.000	11.076 0.000	11.403 0.000	11.734 0.000	12.068 0.000	12.404 0.000
	RKB	(#)	0.000	100.000	200.000	300.000	400.000	500.000	600.000	700.000	800.000	900.000	1000.000	1100.000	1199.980	1299.838	1399.452	1498.702	1602.160	1695.918	1794.370	1892.821	1991.273	2089.725	2188.177	2286.628	2385.080	2483.532	2581.983	2680.435	2778.887	2877.339	2975.790
	Azimuth	(。)	0.000	000.0	000.0	000.0	000.0	0.000	000.0	0.000	000.0	000.0	0.000	000.0	47.347	47.347	47.347	47 347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347
	Inclination /	(。)	000.0	000	000	000.0	000	000.0	000.0	000.0	000	000.0	000.0	000 [.] 0	2.000	4.000	6.000	8.000	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095
1/24/25, 3:01 PM	Depth	(H)	0000	100.000	200.000	300.000	400.000	500.000	600.000	700.000	800.000	000'006	1000.000	1100.000	1200.000	1300.000	1400.000	1500.000	1604.767	1700.000	1800.000	1900.000	2000.000	2100.000	2200.000	2300.000	2400.000	2500.000	2600.000	2700.000	2800.000	2900.000	3000.000
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	-28.469 MWD+IFR1+MS	-28.152 MWD+IFR1+MS	-27.840 MWD+IFR1+MS	-27.533 MWD+IFR1+MS	-27.229 MWD+IFR1+MS	-26.930 MWD+IFR1+MS	-26.634 MWD+IFR1+MS	-26.342 MWD+IFR1+MS	-26.054 MWD+IFR1+MS	-25.768 MWD+IFR1+MS	-25.486 MWD+IFR1+MS	-25.206 MWD+IFR1+MS	-24.929 MWD+IFR1+MS	-24.655 MWD+IFR1+MS	-24.383 MWD+IFR1+MS	-24.113 MWD+IFR1+MS	-23.846 MWD+IFR1+MS	-23.580 MWD+IFR1+MS	-23.315 MWD+IFR1+MS	-23.053 MWD+IFR1+MS	-22.791 MWD+IFR1+MS	-22.531 MWD+IFR1+MS	-22.272 MWD+IFR1+MS	-22.013 MWD+IFR1+MS	-22.040 MWD+IFR1+MS	-22.119 MWD+IFR1+MS	-22.832 MWD+IFR1+MS	-23.823 MWD+IFR1+MS	-24.591 MWD+IFR1+MS	-25.188 MWD+IFR1+MS	-25.821 MWD+IFR1+MS	-25.923 MWD+IFR1+MS	-26.164 MWD+IFR1+MS
	11.384	11.762	12.140	12.518	12.897	13.275	13.653	14.032	14.410	14.788	15.167	15.545	15.924	16.302	16.681	17.059	17.438	17.817	18.195	18.574	18.953	19.332	19.710	20.089	20.316	20.465	20.835	21.198	21.553	21.901	22.126	22.247	22.587
	12.803	13.140	13.478	13.819	14.161	14.505	14.850	15.197	15.545	15.894	16.244	16.596	16.948	17.301	17.655	18.010	18.366	18.722	19.079	19.436	19.795	20.153	20.513	20.873	21.084	21.224	21.631	22.098	22.559	23.011	23.244	23.355	23.677
ort	0.000	0.000	0.000	0.000	000.0	000.0	000.0	0.000	0.000	0.000	0.000	000.0	0.000	000.0	0.000	000.0	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	000.0	000.0	0.000	0.000	0.000	0.000	0.000
Well Plan Report	4.339 0.000	4.445 0.000	4.553 0.000	4.663 0.000	4.775 0.000	4.888 0.000	5.002 0.000	5.118 0.000	5.236 0.000	5.355 0.000	5.476 0.000	5.598 0.000	5.722 0.000	5.848 0.000	5.975 0.000	6.104 0.000	6.235 0.000	6.367 0.000	6.501 0.000	6.637 0.000	6.774 0.000	6.913 0.000	7.055 0.000	7.197 0.000	7.284 0.000	7.342 0.000	7.490 0.000	7.637 0.000	7.777 0.000	7.914 0.000	8.001 0.000	8.047 0.000	8.182 0.000
	0.000	0.000	0.000	000.0	000.0	000.0	000.0	000.0	000.0	000.0	0.000	0.000	0.000	000.0	0.000	000.0	0.000	000.0	0.000	000.0	0.000	0.000	0.000	0.000	0.000	000.0	0.000	000.0	000.0	000.0	0.000	0.000	0.000
	11.474	11.853	12.232	12.611	12.990	13.369	13.748	14.127	14.506	14.885	15.264	15.643	16.021	16.400	16.779	17.158	17.537	17.916	18.294	18.673	19.052	19.431	19.809	20.188	20.412	20.560	20.928	21.294	21.652	22.003	23.036	23.147	23.469
	12.742 0.000	13.083 0.000	13.426 0.000	13.771 0.000	14.117 0.000	14.466 0.000	14.815 0.000	15.167 0.000	15.519 0.000	15.873 0.000	16.228 0.000	16.584 0.000	16.941 0.000	17.299 0.000	17.658 0.000	18.018 0.000	18.378 0.000	18.739 0.000	19.101 0.000	19.464 0.000	19.827 0.000	20.191 0.000	20.556 0.000	20.921 0.000	21.137 0.000	21.291 0.000	21.712 0.000	22.165 0.000	22.584 0.000	22.968 0.000	22.342 0.000	22.463 0.000	22.803 0.000
	3074.242	3172.694	3271.146	3369.597	3468.049	3566.501	3664.953	3763.404	3861.856	3960.308	4058.760	4157.211	4255.663	4354.115	4452.567	4551.018	4649.470	4747.922	4846.374	4944.825	5043.277	5141.729	5240.181	5338.632	5397.840	5437.131	5536.079	5635.471	5735.184	5835.099	5900.000	5935.093	6035.093
	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	47.347	0.000	0.000	000.0
	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	10.095	9.298	7.298	5.298	3.298	1.298	000.0	000.0	000.0
1/24/25, 3:01 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	5000.000	5100.000	5200.000	5300.000	5400.000	5460.139	5500.000	5600.000	5700.000	5800.000	5900.000	5964.907	6000.000	6100.000
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	-26.541 MWD+IFR1+MS	-26.915 MWD+IFR1+MS	-27.285 MWD+IFR1+MS	-27.653 MWD+IFR1+MS	-28.018 MWD+IFR1+MS	-28.379 MWD+IFR1+MS	-28.737 MWD+IFR1+MS	-29.092 MWD+IFR1+MS	-29.443 MWD+IFR1+MS	-29.791 MWD+IFR1+MS	-30.135 MWD+IFR1+MS	-30.475 MWD+IFR1+MS	-30.812 MWD+IFR1+MS	-31.146 MWD+IFR1+MS	-31.475 MWD+IFR1+MS	-31.801 MWD+IFR1+MS	-32.124 MWD+IFR1+MS	-32.442 MWD+IFR1+MS	-32.757 MWD+IFR1+MS	-33.068 MWD+IFR1+MS	-33.375 MWD+IFR1+MS	-33.678 MWD+IFR1+MS	-33.978 MWD+IFR1+MS	-34.274 MWD+IFR1+MS	-34.566 MWD+IFR1+MS	-34.854 MWD+IFR1+MS	-35.139 MWD+IFR1+MS	-35.420 MWD+IFR1+MS	-35.697 MWD+IFR1+MS	-35.971 MWD+IFR1+MS	-36.241 MWD+IFR1+MS	-36.507 MWD+IFR1+MS	-36.769 MWD+IFR1+MS
	22.929	23.272	23.615	23.958	24.302	24.646	24.990	25.334	25.679	26.024	26.370	26.716	27.062	27.408	27.754	28.101	28.448	28.795	29.143	29.490	29.838	30.186	30.534	30.883	31.231	31.580	31.929	32.278	32.627	32.977	33.326	33.676	34.026
	24.008	24.339	24.672	25.005	25.339	25.673	26.009	26.345	26.681	27.019	27.356	27.695	28.034	28.374	28.714	29.054	29.395	29.737	30.079	30.421	30.764	31.108	31.451	31.795	32.140	32.484	32.830	33.175	33.521	33.867	34.213	34.560	34.907
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	8.318 0.000	8.458 0.000	8.600 0.000	8.744 0.000	8.891 0.000	9.041 0.000	9.194 0.000	9.349 0.000	9.507 0.000	9.667 0.000	9.830 0.000	000 0 966 6	10.165 0.000	10.337 0.000	10.511 0.000	10.689 0.000	10.869 0.000	11.052 0.000	11.238 0.000	11.427 0.000	11.618 0.000	11.813 0.000	12.010 0.000	12.211 0.000	12.414 0.000	12.621 0.000	12.830 0.000	13.042 0.000	13.258 0.000	13.476 0.000	13.697 0.000	13.922 0.000	14.149 0.000
	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	000.0	0.000	000.0	0.000	0.000	0.000	0.000	0.000
	23.796	24.124	24.453	24.783	25.113	25.445	25.777	26.109	26.443	26.777	27.111	27.446	27.782	28.118	28.455	28.793	29.131	29.469	29.808	30.147	30.487	30.827	31.168	31.509	31.850	32.192	32.534	32.876	33.219	33.562	33.906	34.249	34.594
	23.149 0.000	23.495 0.000	23.841 0.000	24 187 0 000	24.534 0.000	24.881 0.000	25.229 0.000	25.577 0.000	25.925 0.000	26.273 0.000	26.622 0.000	26.971 0.000	27.320 0.000	27.670 0.000	28.019 0.000	28.369 0.000	28.719 0.000	29.069 0.000	29.420 0.000	29.771 0.000	30.121 0.000	30.472 0.000	30.824 0.000	31.175 0.000	31.527 0.000	31.878 0.000	32.230 0.000	32.582 0.000	32.934 0.000	33.286 0.000	33.639 0.000	33.991 0.000	34.344 0.000
	6135.093	6235.093	6335.093	6435.093	6535.093	6635.093	6735.093	6835.093	6935.093	7035.093	7135.093	7235.093	7335.093	7435.093	7535.093	7635.093	7735.093	7835.093	7935.093	8035.093	8135.093	8235.093	8335.093	8435.093	8535.093	8635.093	8735.093	8835.093	8935.093	9035.093	9135.093	9235.093	9335.093
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	000.0	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	000.0
	000.0	000.0	0000	000.0	0000	000.0	000 [.] 0	000.0	000.0	000.0	000.0	0000	000.0	000.0	000.0	0000	000.0	000.0	000.0	000.0	000.0	000.0	000.0	0.000	000.0	000 [.] 0	000.0	000 [.] 0	000 [.] 0	000.0	000.0	000.0	000.0
1/24/25, 3:01 PM	6200.000	6300.000	6400.000	6500.000	6600.000	6700.000	6800.000	6900.000	7000.000	7100.000	7200.000	7300.000	7400.000	7500.000	7600.000	7700.000	7800.000	7900.000	8000.000	8100.000	8200.000	8300.000	8400.000	8500.000	8600.000	8700.000	8800.000	8900.000	9000.0006	9100.000	9200.000	9300.000	9400.000
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	-37.029 MWD+IFR1+MS	-37.284 MWD+IFR1+MS	-37.536 MWD+IFR1+MS	-37.785 MWD+IFR1+MS	-38.030 MWD+IFR1+MS	-38.272 MWD+IFR1+MS	-38.510 MWD+IFR1+MS	-38.745 MWD+IFR1+MS	-38.977 MWD+IFR1+MS	-39.206 MWD+IFR1+MS	-39.431 MWD+IFR1+MS	-39.653 MWD+IFR1+MS	-39.872 MWD+IFR1+MS	-40.088 MWD+IFR1+MS	-40.301 MWD+IFR1+MS	-40.511 MWD+IFR1+MS	-40.718 MWD+IFR1+MS	-40.735 MWD+IFR1+MS	133.625 MWD+IFR1+MS	112.554 MWD+IFR1+MS	104.761 MWD+IFR1+MS	101.748 MWD+IFR1+MS	100.352 MWD+IFR1+MS	99.706 MWD+IFR1+MS	99.496 MWD+IFR1+MS	99.581 MWD+IFR1+MS	99.879 MWD+IFR1+MS	100.321 MWD+IFR1+MS	100.823 MWD+IFR1+MS	100.984 MWD+IFR1+MS	101.287 MWD+IFR1+MS	101.813 MWD+IFR1+MS	102.402 MWD+IFR1+MS
	34.376	34.726	35.076	35.426	35.777	36.128	36.478	36.829	37.180	37.531	37.883	38.234	38.585	38.937	39.289	39.640	39.992	40.030	40.403	40.908	41.244	41.520	41.759	41.967	42.146	42.297	42.420	42.517	42.586	42.602	42.633	42.698	42.781
	35.254	35.601	35.949	36.297	36.645	36,993	37.342	37.691	38.040	38.389	38.738	39.088	39.438	39.788	40.138	40.488	40.839	40.875	41.246	42.224	43.326	44.308	45.129	45.778	46.257	46.581	46.775	46.870	46.905	46.911	46.922	46.940	46.960
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	14.380 0.000	14.613 0.000	14.849 0.000	15.089 0.000	15.331 0.000	15.577 0.000	15.826 0.000	16.077 0.000	16.332 0.000	16.590 0.000	16.851 0.000	17.115 0.000	17.382 0.000	17.652 0.000	17.925 0.000	18.201 0.000	18.481 0.000	18.511 0.000	18.765 0.000	19.113 0.000	19.603 0.000	20.283 0.000	21.178 0.000	22.290 0.000	23.595 0.000	25.054 0.000	26.618 0.000	28.230 0.000	29.838 0.000	29.974 0.000	30.093 0.000	30.261 0.000	30.451 0.000
	0.000	0.000	0.000	000.0	000.0	000.0	000.0	000.0	000.0	0.000	0.000	000.0	0.000	000.0	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
	34.938	35.282	35.627	35.973	36.318	36.664	37.009	37.356	37.702	38.049	38.395	38.742	39.090	39.437	39.785	40.133	40.481	40.517	40.810	41.108	41.387	41.644	41.877	42.085	42.269	42.428	42.561	42.670	42.753	42.773	42.812	42.891	42.990
	34.697 0.000	35.050 0.000	35.403 0.000	35.756 0.000	36.109 0.000	36.462 0.000	36.816 0.000	37.169 0.000	37.523 0.000	37.876 0.000	38.230 0.000	38.584 0.000	38.938 0.000	39.292 0.000	39.646 0.000	40.000 0.000	40.354 0.000	40.392 0.000	40.389 0.000	40.556 0.000	40.243 0.000	39.401 0.000	38.119 0.000	36.517 0.000	34.753 0.000	33.020 0.000	31.547 0.000	30.572 0.000	30.301 0.000	29.974 0.000	30.093 0.000	30.261 0.000	30.451 0.000
	9435.093	9535.093	9635.093	9735.093	9835.093	9935.093	10035.093	10135.093	10235.093	10335.093	10435.093	10535.093	10635.093	10735.093	10835.093	10935.093	11035.093	11045.803	11134.862	11232.897	11327.291	11416.205	11497.910	11570.816	11633.502	11684.750	11723.561	11749.181	11761.110	11762.000	11762.000	11762.000	11762.000
	0.000	0.000	0.000	000.0	000.0	000.0	000.0	000.0	000.0	0.000	0.000	000.0	0.000	0.000	0.000	000.0	0.000	0.000	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766
	0.000	0.000	0.000	000.0	000.0	000.0	000.0	000.0	000.0	0.000	000.0	000.0	0.000	000.0	000.0	000.0	0.000	000.0	7.143	15.143	23.143	31.143	39.143	47.143	55.143	63.143	71.143	79.143	87.143	000.06	90.000	90.000	000.06
1/24/25, 3:01 PM	9500.000	9600.000	9700.000	9800.000	000.0066	10000.000	10100.000	10200.000	10300.000	10400.000	10500.000	10600.000	10700.000	10800.000	10900.000	11000.000	11100.000	11110.709	11200.000	11300.000	11400.000	11500.000	11600.000	11700.000	11800.000	11900.000	12000.000	12100.000	12200.000	12235.709	12300.000	12400.000	12500.000
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	103.059 MWD+IFR1+MS	103.794 MWD+IFR1+MS	104.619 MWD+IFR1+MS	105.550 MWD+IFR1+MS	106.603 MWD+IFR1+MS	107.800 MWD+IFR1+MS	109.167 MWD+IFR1+MS	110.732 MWD+IFR1+MS	112.529 MWD+IFR1+MS	114.595 MWD+IFR1+MS	116.965 MWD+IFR1+MS	119.672 MWD+IFR1+MS	122.732 MWD+IFR1+MS	126.133 MWD+IFR1+MS	129.822 MWD+IFR1+MS	133.703 MWD+IFR1+MS	-42.359 MWD+IFR1+MS	-38.510 MWD+IFR1+MS	-34.879 MWD+IFR1+MS	-31.552 MWD+IFR1+MS	-28.571 MWD+IFR1+MS	-25.940 MWD+IFR1+MS	-23.637 MWD+IFR1+MS	-21.631 MWD+IFR1+MS	-19.883 MWD+IFR1+MS	-18.358 MWD+IFR1+MS	-17.023 MWD+IFR1+MS	-15.850 MWD+IFR1+MS	-14.814 MWD+IFR1+MS	-13.895 MWD+IFR1+MS	-13.076 MWD+IFR1+MS	-12.343 MWD+IFR1+MS	-11.683 MWD+IFR1+MS
	42.879	42.994	43.124	43.268	43.426	43.597	43.779	43.972	44.174	44.382	44.595	44.808	45.020	45.226	45.422	45.604	45.771	45.919	46.051	46.166	46.268	46.356	46.435	46.506	46.569	46.628	46.682	46.732	46.780	46.825	46.869	46.911	46.952
	46.982	47.007	47.035	47.067	47.102	47.142	47.188	47.240	47.300	47.370	47.452	47.548	47.663	47.798	47.959	48.147	48.367	48.617	48.899	49.210	49.549	49.912	50.298	50.705	51.130	51.572	52.030	52.502	52.987	53.485	53.995	54.516	55.048
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	000.0	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	30.660 0.000	30.887 0.000	31.132 0.000	31.395 0.000	31.676 0.000	31.973 0.000	32.286 0.000	32.616 0.000	32.960 0.000	33.320 0.000	33.694 0.000	34.082 0.000	34.484 0.000	34.898 0.000	35.325 0.000	35.765 0.000	36.216 0.000	36.678 0.000	37.151 0.000	37.634 0.000	38.128 0.000	38.631 0.000	39.143 0.000	39.665 0.000	40.194 0.000	40.733 0.000	41.279 0.000	41.832 0.000	42.393 0.000	42.961 0.000	43.536 0.000	44.117 0.000	44.704 0.000
	43.106 -0.000	43.240 -0.000	43.392 -0.000	43.560 -0.000	43.746 -0.000	43.949 -0.000	44.168 -0.000	44.404 -0.000	44.656 -0.000	44.923 -0.000	45.206 -0.000	45.505 -0.000	45.819 -0.000	46.147 -0.000	46.489 -0.000	46.846 -0.000	47.216 -0.000	47.600 -0.000	47.997 -0.000	48.407 -0.000	48.829 -0.000	49.263 -0.000	49.709 -0.000	50.166 -0.000	50.635 -0.000	51.115 -0.000	51.605 -0.000	52.105 -0.000	52.616 -0.000	53.136 -0.000	53.665 -0.000	54.204 -0.000	54.752 -0.000
	30.660 0.000	30.887 0.000	31.132 0.000	31.395 0.000	31.676 0.000	31.973 0.000	32.286 0.000	32.616 0.000	32.960 0.000	33.320 0.000	33.694 0.000	34.082 0.000	34.484 0.000	34.898 0.000	35.325 0.000	35.765 0.000	36.216 0.000	36.678 0.000	37.151 0.000	37.634 0.000	38.128 0.000	38.631 0.000	39.143 0.000	39.665 0.000	40.194 0.000	40.733 0.000	41.279 0.000	41.832 0.000	42.393 0.000	42.961 0.000	43.536 0.000	44.117 0.000	44.704 0.000
	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762_000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000
	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766
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1/24/25, 3:01 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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	-11.087 MWD+IFR1+MS	-10.547 MWD+IFR1+MS	-10.055 MWD+IFR1+MS	-9.606 MWD+IFR1+MS	-9.194 MWD+IFR1+MS	-8.815 MWD+IFR1+MS	-8.466 MWD+IFR1+MS	-8.143 MWD+IFR1+MS	-7.843 MWD+IFR1+MS	-7.565 MWD+IFR1+MS	-7.305 MWD+IFR1+MS	-7.063 MWD+IFR1+MS	-6.836 MWD+IFR1+MS	-6.623 MWD+IFR1+MS	-6.423 MWD+IFR1+MS	-6.235 MWD+IFR1+MS	-6.058 MWD+IFR1+MS	-5.891 MWD+IFR1+MS	-5.732 MWD+IFR1+MS	-5.582 MWD+IFR1+MS	-5.440 MWD+IFR1+MS	-5.305 MWD+IFR1+MS	-5.177 MWD+IFR1+MS	-5.055 MWD+IFR1+MS	-4.939 MWD+IFR1+MS	-4.828 MWD+IFR1+MS	-4.722 MWD+IFR1+MS	-4.620 MWD+IFR1+MS	-4.524 MWD+IFR1+MS	-4.431 MWD+IFR1+MS	-4.342 MWD+IFR1+MS	-4.256 MWD+IFR1+MS	-4.175 MWD+IFR1+MS
	46.992	47.032	47.071	47.110	47.148	47.186	47.225	47.263	47.301	47.339	47.378	47.417	47.456	47.495	47.535	47.575	47.615	47.655	47.696	47.738	47.780	47.822	47.865	47.908	47.951	47.995	48.040	48.085	48.130	48.176	48.223	48.269	48.317
	55.590	56.141	56.702	57.271	57.849	58.436	59.030	59.631	60.240	60.856	61.479	62.108	62.743	63.385	64.032	64.686	65.344	66.008	66.678	67.352	68.031	68.715	69.403	70.095	70.792	71.493	72.199	72.908	73.620	74.337	75.057	75.780	76.507
ort	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	000.0	0.000	000.0	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	45.297 0.000	45.896 0.000	46.501 0.000	47.111 0.000	47.726 0.000	48.346 0.000	48.971 0.000	49.600 0.000	50.233 0.000	50.871 0.000	51.513 0.000	52.159 0.000	52.808 0.000	53.462 0.000	54.118 0.000	54.778 0.000	55.442 0.000	56.108 0.000	56.778 0.000	57.450 0.000	58.125 0.000	58.803 0.000	59.484 0.000	60.167 0.000	60.852 0.000	61.540 0.000	62.230 0.000	62.923 0.000	63.617 0.000	64.314 0.000	65.013 0.000	65.713 0.000	66.416 0.000
	55.308 -0.000	55.872 -0.000	56.445 -0.000	57.025 -0.000	513 <u>-0.000</u>	58.209 -0.000	811 <u>-0.000</u>	421 <u>-0.000</u>	037 -0.000	60.660 -0.000	289 -0.000	924 <u>-</u> 0.000	566 -0.000	212 -0.000	365 -0.000	523 -0.000	186 -0.000	355 -0.000	528 -0.000	206 -0.000	389 -0.000	576 -0.000	69.268 -0.000	963 -0.000	70.663 -0.000	367 -0.000	72.075 -0.000	787 -0.000	73.502 -0.000	221 -0.000	74.944 -0.000	75.669 -0.000	76.398 -0.000
	45.297 0.000 55.3	45.896 0.000 55.8	46.501 0.000 56.4	47 111 0 000 57 (47 726 0 000 57 613	48.346 0.000 58.2	48.971 0.000 58.811	49.600 0.000 59.421	50.233 0.000 60.037	50.871 0.000 60.6	51.513 0.000 61.289	52.159 0.000 61.924	52.808 0.000 62.566	53.462 0.000 63.212	54.118 0.000 63.865	54.778 0.000 64.523	55.442 0.000 65.186	56.108 0.000 65.855	56.778 0.000 66.528	57.450 0.000 67.206	58.125 0.000 67.889	58.803 0.000 68.576	59 484 0 000 69 2	60.167 0.000 69.963	60.852 0.000 70.6	61.540 0.000 71.367	62.230 0.000 72.0	62.923 0.000 72.787	63.617 0.000 73.5	64.314 0.000 74.221	65.013 0.000 74.9	65.713 0.000 75.6	66.416 0.000 76.3
	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000
	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766
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1/24/25, 3:01 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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	-4.096 MWD+IFR1+MS	-4.020 MWD+IFR1+MS	-3.947 MWD+IFR1+MS	-3.877 MWD+IFR1+MS	-3.810 MWD+IFR1+MS	-3.745 MWD+IFR1+MS	-3.682 MWD+IFR1+MS	-3.621 MWD+IFR1+MS	-3.562 MWD+IFR1+MS	-3.506 MWD+IFR1+MS	-3.451 MWD+IFR1+MS	-3.398 MWD+IFR1+MS	-3.347 MWD+IFR1+MS	-3.297 MWD+IFR1+MS	-3.249 MWD+IFR1+MS	-3.202 MWD+IFR1+MS	-3.157 MWD+IFR1+MS	-3.113 MWD+IFR1+MS	-3.070 MWD+IFR1+MS	-3.029 MWD+IFR1+MS	-2.989 MWD+IFR1+MS	-2.950 MWD+IFR1+MS	-2.912 MWD+IFR1+MS	-2.875 MWD+IFR1+MS	-2.839 MWD+IFR1+MS	-2.804 MWD+IFR1+MS	-2.769 MWD+IFR1+MS	-2.736 MWD+IFR1+MS	-2.704 MWD+IFR1+MS	-2.672 MWD+IFR1+MS	-2.641 MWD+IFR1+MS	-2.611 MWD+IFR1+MS	-2.582 MWD+IFR1+MS
	48.365	48.413	48.462	48.511	48.561	48.612	48.662	48.714	48.766	48.818	48.871	48.924	48.978	49.033	49.088	49.143	49.199	49.256	49.313	49.370	49.428	49.487	49.546	49.605	49.665	49.726	49.787	49.848	49.910	49.973	50.036	50.099	50.163
	77.237	77.970	78.706	79.445	80.187	80.932	81.680	82.430	83.183	83.938	84.696	85.456	86.219	86.984	87.751	88.520	89.291	90.064	90.839	91.616	92.395	93.176	93.959	94.743	95.529	96.317	97.106	97.897	98 <u>.</u> 689	99.483	100.278	101.075	101.873
ť	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	000.0	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	67.120 0.000	67.826 0.000	68.534 0.000	69.243 0.000	69.954 0.000	70.667 0.000	71.381 0.000	72.097 0.000	72.814 0.000	73.532 0.000	74.252 0.000	74.973 0.000	75.695 0.000	76.419 0.000	77.143 0.000	77.869 0.000	78.596 0.000	79.325 0.000	80.054 0.000	80.784 0.000	81.515 0.000	82.248 0.000	82.981 0.000	83.715 0.000	84.450 0.000	85.186 0.000	85.923 0.000	86.660 0.000	87.399 0.000	88.138 0.000	88.878 0.000	89.619 0.000	90.361 0.000
	77.130 -0.000	77.865 -0.000	78.604 -0.000	79.345 -0.000	80.089 -0.000	80.835 -0.000	81.585 -0.000	82.337 -0.000	83.091 -0.000	83.848 -0.000	84.607 -0.000	85.369 -0.000	86.133 -0.000	86.899 -0.000	87.667 -0.000	88.438 -0.000	89.210 -0.000	89.985 -0.000	90.761 -0.000	91.539 -0.000	92.319 -0.000	93.101 -0.000	93.885 -0.000	94.670 -0.000	95.457 -0.000	96.246 -0.000	97.036 -0.000	97.828 -0.000	98.621 -0.000	99.416 -0.000	100.212 -0.000	101.009 -0.000	101.808 -0.000
	67.120 0.000 77	67.826 0.000 77	68.534 0.000 78	69.243 0.000 79	69.954 0.000 80	70.667 0.000 80	71.381 0.000 81	72.097 0.000 82	72.814 0.000 83	73.532 0.000 83	74.252 0.000 84	74.973 0.000 85	75.695 0.000 86	76.419 0.000 86	77.143 0.000 87	77.869 0.000 88	78.596 0.000 89	79.325 0.000 89	80.054 0.000 90	80.784 0.000 91	81.515 0.000 92	82.248 0.000 93	82.981 0.000 93	83.715 0.000 94	84.450 0.000 95	85.186 0.000 96	85.923 0.000 97	86.660 0.000 97	87.399 0.000 98	88.138 0.000 99	88.878 0.000 100	89.619 0.000 10	90.361 0.000 10
	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000	11762.000
	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766	179.766
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1/24/25, 3:01 PM	19200.000	19300.000	19400.000	19500.000	19600.000	19700.000	19800.000	19900.000	20000.000	20100.000	20200.000	20300.000	20400.000	20500.000	20600.000	20700.000	20800.000	20900.000	21000.000	21100.000	21200.000	21300.000	21400.000	21500.000	21600.000	21700.000	21800.000	21900.000	22000.000	22100.000	22200.000	22300.000	22400.000
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	0.000 102.216 50.191 -2.570 MWD+IFR1+MS	0.000 102.614 50.223 -2.556 MWD+IFR1+MS		Grid Easting TVD MSL Target Shape	(ft) (ft)	634547.30 8552.00 CIRCLE	634589.00 8552.00 CIRCLE	634589.90 8552.00 CIRCLE	
Well Plan Report	102.151 -0.000 90.679 0.000	102.550 -0.000 91.050 0.000		Grid Northing	(t t)	403256.00	393048.80	392998.80	
	179.766 11762.000 90.679 0.000 102.15	179.766 11762.000 91.050 0.000 102.55	Poker Lake Unit 20 BD 309H	Measured Depth	(ft)	12235.71	22442.99	22493.00	
1/24/25, 3:01 PM	22442.995 90.000 17	22493.036 90.000 17	Plan Targets		Target Name	FTP 5	LTP 5	BHL 5	

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Tenaris

TenarisHydril Wedge 511



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Pipe Body
Grade: 180-IC
1st Band: Red
2nd Band: Brown
3rd Band: Pale Green
4th Band: -
5th Band: -
6th Band: -

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

Pipe Body Data

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

Performance

Coupling

Grade: L80-IC Body: Red

1st Band: Brown 2nd Band: -3rd Band: -

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	Regula

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-Ib
Optimum	7100 ft-Ib
Maximum	10,300 ft-Ib
Operation Limit Torques	
Operating Torque	35,000 ft-lb
Yield Torque	52,000 ft-lb

Notes

For the lastest performance data, always visit our website: www.tenaris.com

For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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TenarisHydril Wedge 511



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

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

Pipe Body Data

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

Performance

Coupling

Grade: P110-ICY Body: White

1st Band: Pale Green 2nd Band: -3rd Band: -

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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Pipe Body
Grade: P110-CY
1st Band: White
2nd Band: Grey
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

Coupling Grade: P110-CY Body: White 1st Band: Grey 2nd Band: -3rd Band: -

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-Ib
Optimum	15,400 ft-Ib
Maximum	16,940 ft-Ib
Operation Limit Torques	
Operating Torque	26,350 ft-Ib
Yield Torque	29,300 ft-lb

Notes

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PI/CIII

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TenarisHydril Wedge 441[®]



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Coupling	Ріре воду
Grade: P110-IC	Grade: P110-IC
Body: White	1st Band: White
1st Band: -	2nd Band: Pale G
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-IC
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 Th
Nominal Weight	20.00 lb/ft	Plain E
Drift	4.653 in.	OD Tole
Nominal ID	4.778 in.	

Wall Thickness	0.361 in.
Plain End Weight	19.83 lb/ft
OD Tolerance	API

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-Ib

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 Perpendentia Representative.

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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.

10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

12-1/4" Intermediate Hole Section 10M psi Requirement						
Component OD Primary Preventer RWP Alternate Preventer(s) RWF						
Drillpipe	5.000" or	Annular	5M	Upper 3.5"-5.5" VBR	10M	
	4.500"			Lower 3.5"-5.5" VBR	10M	
HWDP	5.000" or	Annular	5M	Upper 3.5"-5.5" VBR	10M	
	4.500"			Lower 3.5"-5.5" VBR	10M	
Jars	6.500"	Annular	5M	-	-	
DCs and MWD tools	6.500"-8.000"	Annular	5M	-	-	
Mud Motor	8.000"-9.625"	Annular	5M	-	-	
Intermediate Casing	9.625"	Annular	5M	-	-	
Open-Hole	-	Blind Rams	10M	-	-	

8-3/4" Production Hole Section 10M psi Requirement						
Component OD Primary Preventer RWP Alternate Preventer(s) RW						
Drillpipe	5.000" or	Annular	5M	Upper 3.5"-5.5" VBR	10M	
	4.500"			Lower 3.5"-5.5" VBR	10M	
HWDP	5.000" or	Annular	5M	Upper 3.5"-5.5" VBR	10M	
	4.500"			Lower 3.5"-5.5" VBR	10M	
Jars	6.500"	Annular	5M	-	-	
DCs and MWD tools	6.500"-8.000"	Annular	5M	-	-	
Mud Motor	6.750"-8.000"	Annular	5M	-	-	
Production Casing	7"	Annular	5M	-	-	
Open-Hole	-	Blind Rams	10M	-	-	

6-1/8" Lateral Hole Section						
	10M psi Requirement					
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP	
Drillpipe	4.500"	Annular	5M	Upper 3.5"-5.5" VBR	10M	
				Lower 3.5"-5.5" VBR	10M	
HWDP	4.500"	Annular	5M	Upper 3.5"-5.5" VBR	10M	
				Lower 3.5"-5.5" VBR	10M	
DCs and MWD tools	4.750"-5.500"	Annular	5M	Upper 3.5"-5.5" VBR	10M	
				Lower 3.5"-5.5" VBR	10M	
Mud Motor	4.750"-5.500"	Annular	5M	Upper 3.5"-5.5" VBR	10M	
				Lower 3.5"-5.5" VBR	10M	
Production Casing	4.500"	Annular	5M	Upper 3.5"-5.5" VBR	10M	
				Upper 3.5"-5.5" VBR	10M	
Open-Hole	-	Blind Rams	10M	-	-	

VBR = Variable Bore Ram

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

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



GATES ENGINEERING & SERVICES NORTH AMERICA 7603 Prairle Oak Dr. Houston, TX. 77086 PHONE: +1 (281) 602-4100 FAX: +1 (281) 602-4147 EMAIL: gesna.quality@gates.com 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.

CUSTOMER: CUSTOMER P.O.#: CUSTOMER P/N:	NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA 15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531) 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	FORMOS
TITLE	QUALITY ASSURANCE

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1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER			TEST OBJECT		
Company:	Nabors Ind	ustries Inc.	Serial number:	H3-0125	24-1
and the second se			Lot number:		
Production description:	74621/66-1	531	Description:	74621/6	6-1531
Sales order #:	529480		Contractor of Contractor		
Customer reference:	FG1213		Hose ID:	3" 16C C	к
			Part number:		
TEST INFORMATION					
Test procedure:	GTS-04-053		Fitting 1:	3.0 x 4-1	/16 10K
Test pressure:	15000.00	psi	Part number:		
Test pressure hold:	3600.00	sec	Description:		
Work pressure:	10000.00	psī			
Work pressure hold:	900.00	sec	Fitting 2:	3.0 x 4-1	/16 10K
Length difference:	0.00	%	Part number:		
Length difference:	0.00	inch	Description:		
Visual check:			Length:	45	feet
Pressure test result:	PASS				
Length measurement result	t:				

Test operator:

Travis



Released to Imaging: 5/29/2025 10:35:54 AM



TEST REPORT

H3-15/16 1/25/2024 11:48:06 AM

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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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





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

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	460592
	Action Type:
	[C-103] NOI Change of Plans (C-103A)
CONDITIONS	

Created By		Condition Date	
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	5/29/2025	

CONDITIONS

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Action 460592