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

Sundry Print Report

06/09/2025

Well Name: POKER LAKE UNIT 13-24 PC

Well Location: T24S / R29E / SEC 13 / SENE / 32.21856 / -103.932524

County or Parish/State: EDDY / NM

Well Number: 708H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM05912

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2855397

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/30/2025

Time Sundry Submitted: 10:48

Date proposed operation will begin: 06/13/2025

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, proposed total depth, pool, and dedicated acreage. FROM: TO: KOP: 2270' FNL & 935' FEL OF SECTION 13-T24S-R29E 2640' FSL & 247' FEL OF SECTION 13-T24S-R29E FTP: 1959' FNL & 449' FEL OF SECTION 13-T24S-R29E 2500' FNL & 236' FEL OF SECTION 13-T24S-R29E The proposed total depth is changing FROM 22164' MD; 9195' TVD TO 22208' MD; 9192' TVD. Pool code is changing FROM PIERCE CROSSING; BONE SPRING, EAST(96473) TO CEDAR CANYON; BONE SPRING(11520); PIERCE CROSSING; BONE SPRING(96473); WILDCAT S243006B; LWR BONE SPRING(97753) Dedicated acreage is changing FROM 719.94 ac TO 439.94 ac There is no new surface disturbance.

NOI Attachments

Procedure Description

POKER_LAKE_UNIT_13_24_PC_708H_Sundry_Docs_20250530104740.pdf

Well Name: POKER LAKE UNIT 13-24 PC

Well Location: T24S / R29E / SEC 13 / SENE / 32.21856 / -103.932524

County or Parish/State: EDDY / NM

Well Number: 708H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM05912

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

242913_Poker_Lake_Unit_13_24_PC_708H_06_09_2025_COAs_20250609084221.pdf

Operator

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

Operator Electronic Signature: MANOJ VENKATESH

Signed on: MAY 30, 2025 10:48 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (720) 539-1673

Email address: MANOJ.VENKATESH@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 06/09/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM05912

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. POKER LAKE UNIT 13-24 PC/708H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No.

3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,

3b. Phone No. *(include area code)* (432) 683-2277

10. Field and Pool or Exploratory Area PIERCE CROSSING/BONE SPRING, EAST

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 13/T24S/R29E/NMP

11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, proposed total depth, pool, and dedicated acreage.

FROM: TO:
KOP: 2270' FNL & 935 FEL OF SECTION 13-T24S-R29E 2640' FSL & 247 FEL OF SECTION 13-T24S-R29E
FTP: 1959' FNL & 449' FEL OF SECTION 13-T24S-R29E 2500' FNL & 236' FEL OF SECTION 13-T24S-R29E

The proposed total depth is changing FROM 22164 MD; 9195 TVD TO 22208 MD; 9192 TVD.

Pool code is changing FROM PIERCE CROSSING; BONE SPRING, EAST(96473) TO CEDAR CANYON; BONE SPRING(11520); PIERCE CROSSING; BONE SPRING(96473); WILDCAT S243006B; LWR BONE SPRING(97753)

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* MANOJ VENKATESH / Ph: (720) 539-1673

Title Regulatory Analyst

Signature (Electronic Submission)

Date 05/30/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 06/09/2025

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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

Dedicated acreage is changing FROM 719.94 ac TO 439.94 ac

There is no new surface disturbance.

Location of Well

0. SHL: SENE / 2270 FNL / 935 FEL / TWSP: 24S / RANGE: 29E / SECTION: 13 / LAT: 32.21856 / LONG: -103.932524 (TVD: 0 feet, MD: 0 feet)

PPP: SENE / 1959 FNL / 449 FEL / TWSP: 24S / RANGE: 29E / SECTION: 13 / LAT: 32.219409 / LONG: -103.93095 (TVD: 9195 feet, MD: 9700 feet)

BHL: LOT 1 / 50 FNL / 449 FEL / TWSP: 24S / RANGE: 29E / SECTION: 1 / LAT: 32.253809 / LONG: -103.931018 (TVD: 9195 feet, MD: 22164 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 13-24 PC 708H
LOCATION:	Section 13, T.24S., R.29E.
COUNTY:	Eddy County

COA

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

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **400** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **12-1/4** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above.

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

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

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

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

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

    - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. **Cement excess calculates to 21% - more cement may be needed.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **9-5/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

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

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

E. SPECIAL REQUIREMENT (S)

BOPE Break Testing Variance

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

Offline Cementing

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

GENERAL REQUIREMENTS

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

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

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

JS 6/9/2025

C-102 Sumbit electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONVERSION DIVISION	Revised July, 09 2024
		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	11520	CEDAR CANYON; BONE SPRING

Property Code	Property Name	Well Number
	POKER LAKE UNIT 13-24 PC	708H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,114'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	13	24S	29E		2,270 FNL	935 FEL	32.218560	-103.932524	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	1	24S	29E	1	50 FNL	449 FEL	32.253809	-103.931018	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
159.94	INFILL		Y	U

Order Numbers.

Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	13	24S	29E		2,640 FSL	247 FEL	32.217437	-103.930301	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	13	24S	29E		2,500 FNL	236 FEL	32.217920	-103.930264	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	1	24S	29E	1	100 FNL	449 FEL	32.253671	-103.931017	EDDY

Unitized Area or Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM105422429		3,114'

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Signature — Date: 05/29/2025

Manoj Venkatesh
Printed Name

manoj.venkatesh@exxonmobil.com
Email Address

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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786
Certificate Number

5/22/2025
Date of Survey

YH

618.013003.04-27

Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.04 - 13-1,13-24 PC - EDDY\Wells\27 - PLU Pierce Canyon 13-24 708H\DWG\13-24 PC 708H.dwg

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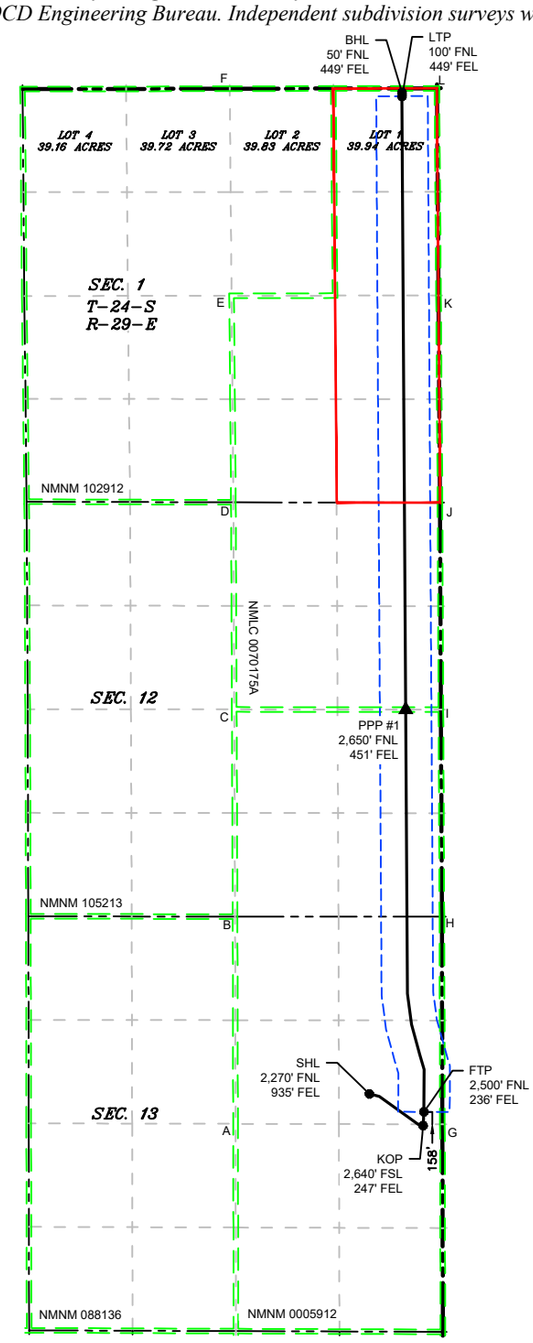

LEGEND

- SECTION LINE
- TOWNSHIP LINE
- DEDICATED ACREAGE
- 330' BUFFER
- MINERAL LEASE
- WELL BORE
- PPP
- WELL

WELL COORDINATE TABLE								
WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL	665,288.4	443,477.2	32.218560	-103.932524	624,104.9	443,417.8	32.218436	-103.932035
KOP	665,977.4	443,071.2	32.217437	-103.930301	624,793.9	443,011.8	32.217313	-103.929812
FTP	665,988.1	443,247.0	32.217920	-103.930264	624,804.5	443,187.6	32.217796	-103.929776
LTP	665,706.5	456,251.9	32.253671	-103.931017	624,523.4	456,192.2	32.253547	-103.930527
BHL	665,706.1	456,301.9	32.253809	-103.931018	624,523.0	456,242.2	32.253685	-103.930528
PPP #1	665,753.9	448,397.4	32.232080	-103.930959	624,570.6	448,337.9	32.231956	-103.930470

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

C-102 Sumbit electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONVERSION DIVISION	Revised July, 09 2024
		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	96473	PIERCE CROSSING; BONE SPRING

Property Code	Property Name	Well Number
	POKER LAKE UNIT 13-24 PC	708H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,114'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal | Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	13	24S	29E		2,270 FNL	935 FEL	32.218560	-103.932524	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	1	24S	29E	1	50 FNL	449 FEL	32.253809	-103.931018	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
120.00	INFILL		Y	U

Order Numbers. | Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
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Signature — Date: 05/29/2025

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Printed Name

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Email Address

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Signature and Seal of Professional Surveyor

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Certificate Number

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YH 618.013003.04-27

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P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.04 - 13-1,13-24 PC - EDDY\Wells\27 - PLU Pierce Canyon 13-24 708H\DWG\13-24 PC 708H.dwg

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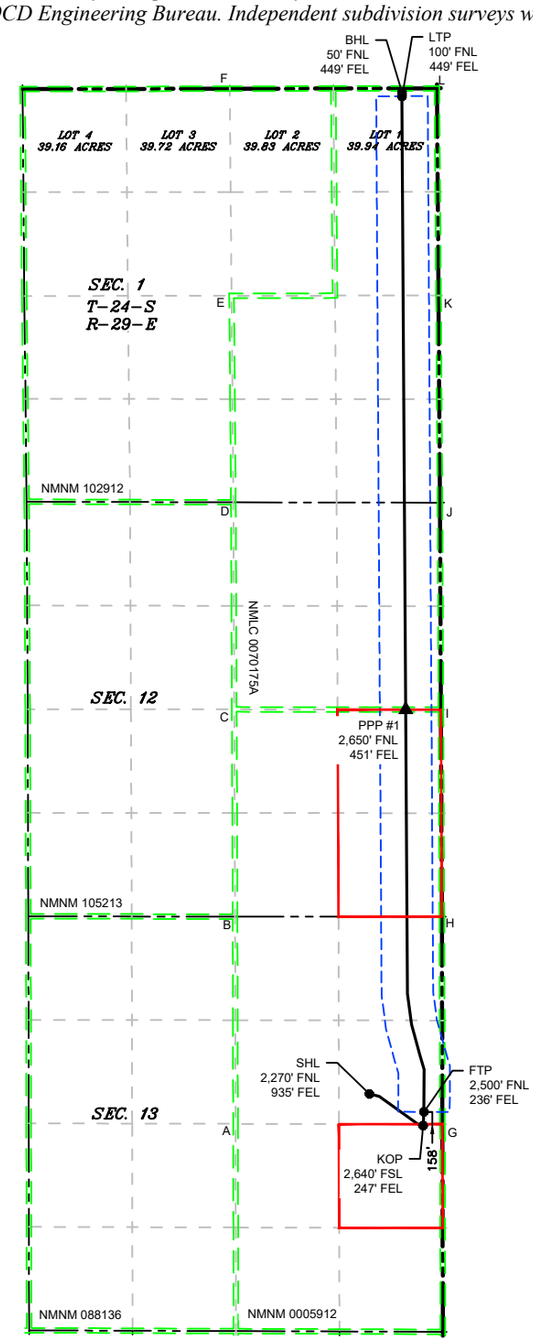

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Property Code	Property Name	Well Number
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OGRID No.	Operator Name	Ground Level Elevation
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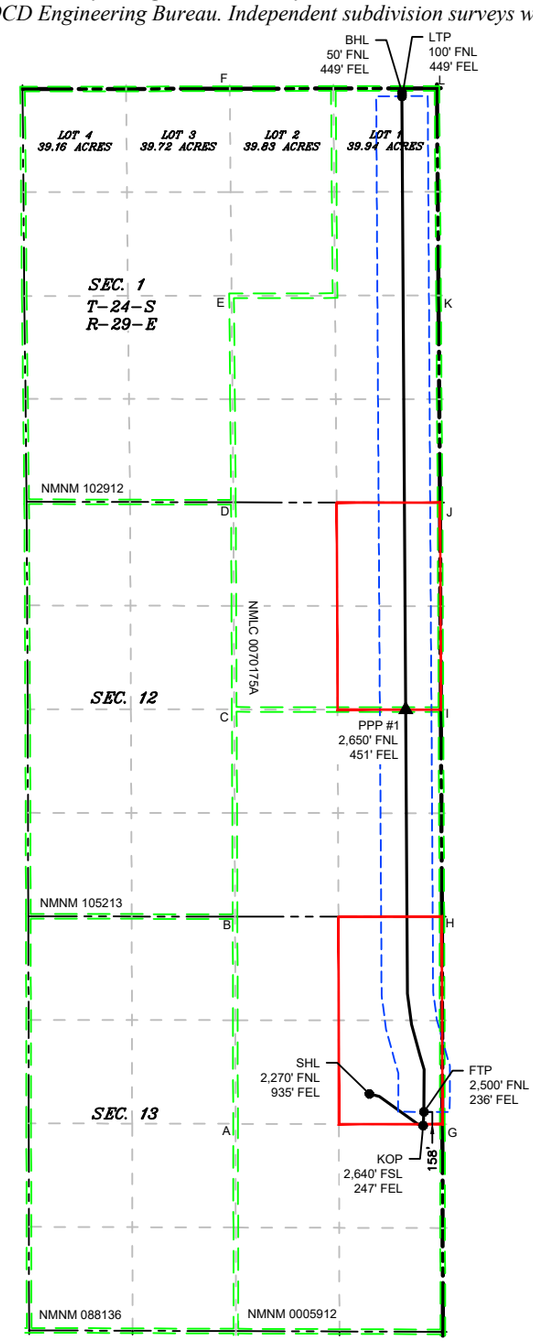

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DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

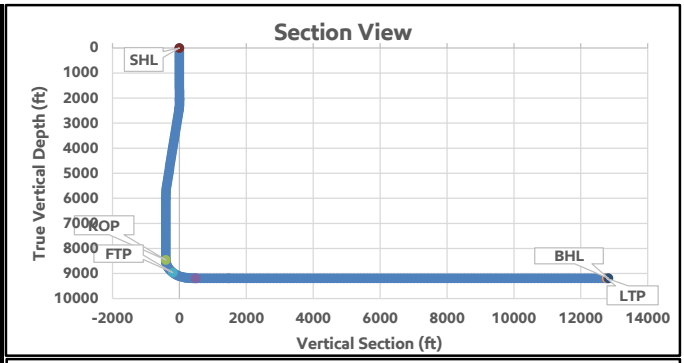
ExxonMobil
Poker Lake Unit 13-24 PC 708H
Projected TD: 22208' MD / 9192' TVD
SHL: 2270' FNL & 935' FEL , Section 13, T24S, R29E
BHL: 50' FNL & 449' FEL , Section 1, T24S, R29E
Eddy County, NM

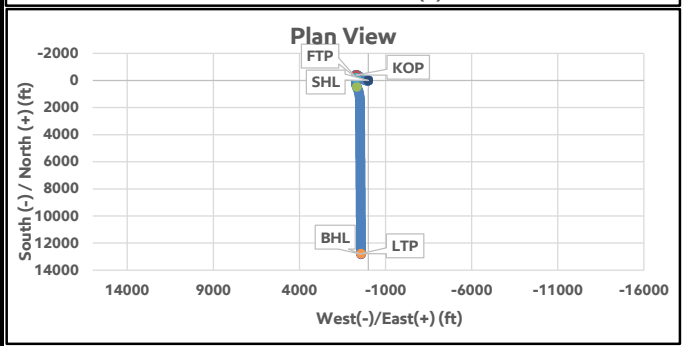
1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth	Water/Oil/Gas
Salado	751'	Water
Base of Salt	3161'	Water
Delaware	3366'	Water
Cherry Canyon	4257'	Water/Oil/Gas
Brushy Canyon	5816'	Water/Oil/Gas
Bone Spring Lm.	7115'	Water/Oil/Gas
Avalon Shale	7257'	Water/Oil/Gas
Avalon Lower	7793'	Water/Oil/Gas
1st Bone Spring Lime	7951'	Water/Oil/Gas
1st Bone Spring Sand	8109'	Water/Oil/Gas
2nd Bone Spring Lime	8442'	Water/Oil/Gas
2nd Bone Spring Sand	8963'	Water/Oil/Gas
3rd Bone Spring Lime		
3rd Bone Spring Upper Shale		
3rd Bone Spring Upper Shale Base		
3rd Bone Spring Lower Shale		
rd Bone Spring Lower Shale Marke		
3rd Bone Spring Sand		
Warwink		
Red Hills		
Wolfcamp A		
Wolfcamp B		
Wolfcamp C		
Wolfcamp D		
Landing	9192'	Water/Oil/Gas





	Inclination (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
KOP	0	0	8460	-406	689
LP	90	340	9192	485	661
FTP	45	2	8966	-196	697
LTP	90	360	9192	12775	418
BHL	90	360	9192	12825	418

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 726' and circulating cement back to surface.

3. Primary Casing Design

Primary Design:

Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25"	0' – 726'	726'	9-5/8"	40	J55	BTC	New	17.73	16.34	5.65
8.75"	0' – 4000'	3955'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.01	8.59	3.49
8.75"	4000' – 8389'	8310'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.36	6.32	2.52
6.75"	0' – 8289'	8210'	5-1/2"	20	P110-CY	TPN	New	1.18	3.12	2.53
6.75"	8289' – 22208'	9192'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	3.09	2.72

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 2400' MD / 2387' 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

Primary Cementing

Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	126	12.4	2.11	0	726	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	141	14.8	1.33	426	726	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	241	14.8	1.45	5816	8,389	35%	Intermediate 1 Class C Tail Cement
Production 1	Lead							
Production 1	Tail	1009	13.2	1.44	1750	22,208	25%	Production 1 Class C Tail Cement

Remedial Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead Squeeze	544	14.8	1.45	0 - 5816'	35%	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) Break Test Variance
A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure is less than 4800psi and the deepest intermediate casing point does not penetrate the Wolfcamp Formation.

5B) Flex Hose Variance
A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

5C) 10M Annular Variance
XOM requests a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables attached along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

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

10A) Spudder Rig Variance
XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

10B) Batch Drilling Variance
XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 726'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
726' – 8389'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
8389' – 22208'	6.75"	OBM	9 - 9.6	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

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

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 158F to 178F. 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.

Azimuths to Grid North
True North: -0.21°
Magnetic North: 6.19°

Magnetic Field
Strength: 47182.9nT
Dip Angle: 59.76°
Date: 1/30/2024
Model: IGRF2020

WELL DETAILS: PLU 13-24 PC 708H

Ground Elevation: 3112.0
RKB Elevation: 3112+30 @ 3142.0usft
Rig Name:

Northing	Easting	Latitude	Longitude
443384.59	624108.00	32° 13' 6.040 N	103° 55' 55.292 W

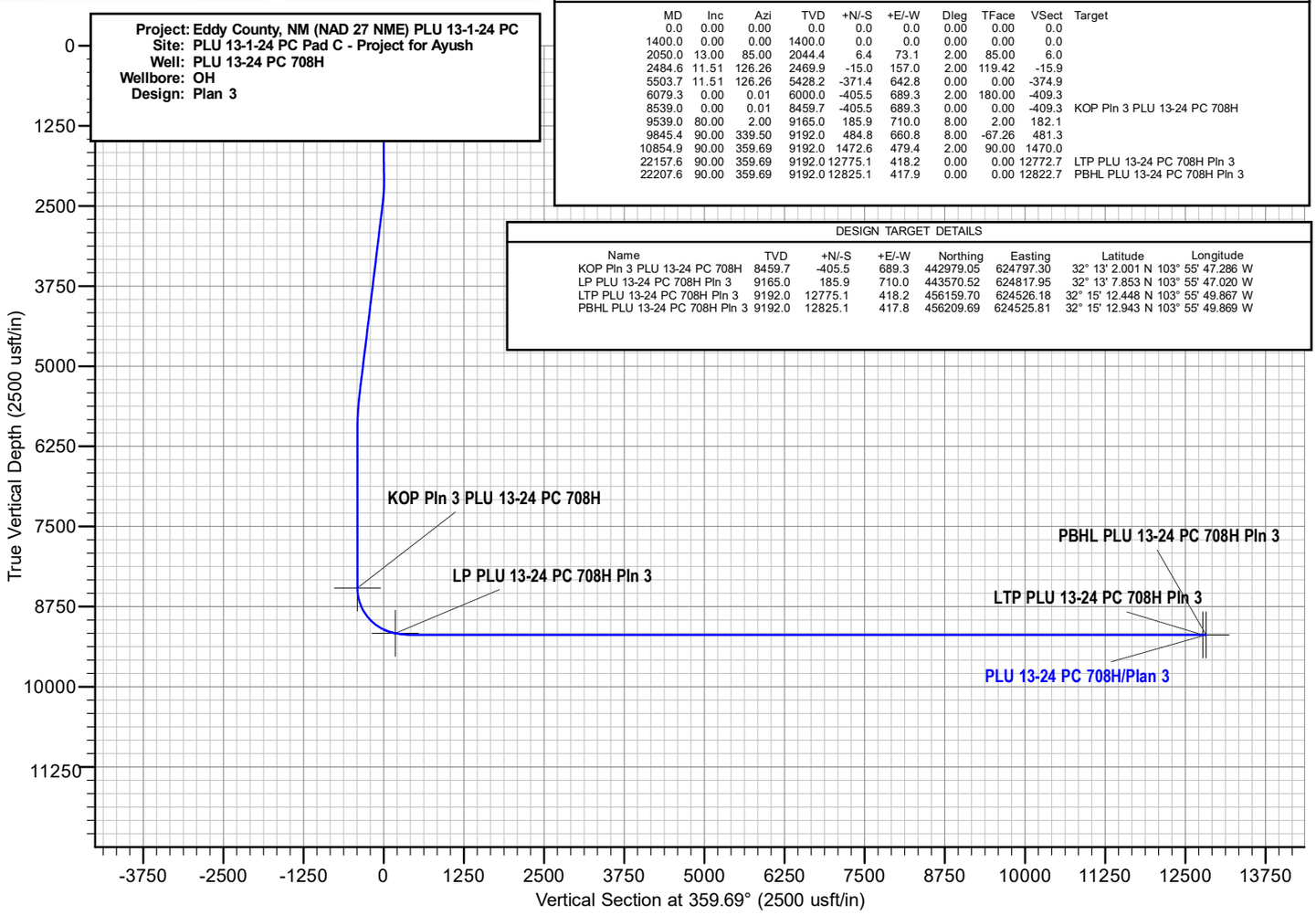
SECTION DETAILS

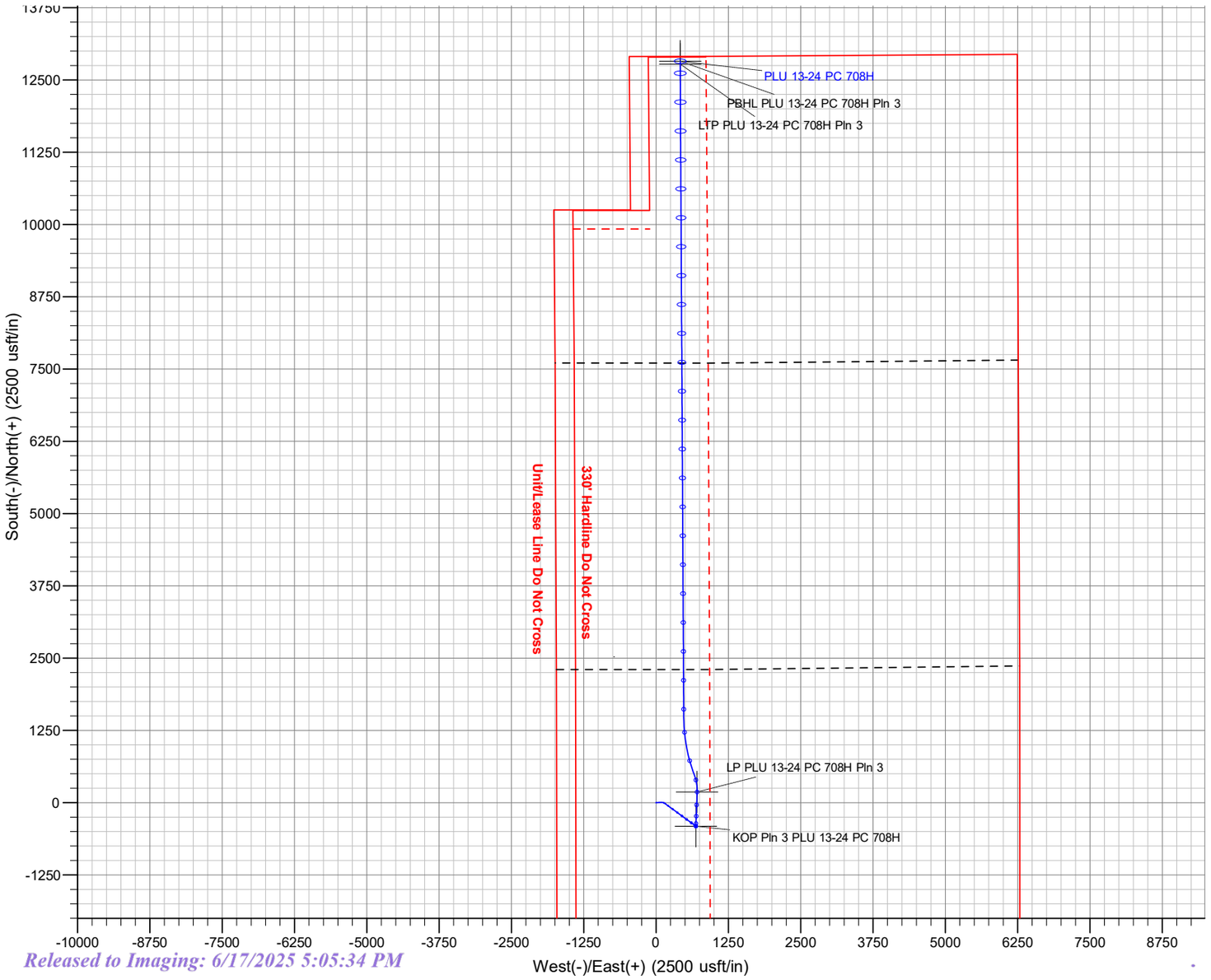
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
2050.0	13.00	85.00	2044.4	6.4	73.1	2.00	85.00	6.0	
2484.6	11.51	126.26	2469.9	-15.0	157.0	2.00	119.42	-15.9	
5503.7	11.51	126.26	5428.2	-371.4	642.8	0.00	0.00	-374.9	
6079.3	0.00	0.01	6000.0	-405.5	689.3	2.00	180.00	-409.3	
8539.0	0.00	0.01	8459.7	-405.5	689.3	0.00	0.00	-409.3	KOP Pln 3 PLU 13-24 PC 708H
9539.0	80.00	2.00	9165.0	185.9	710.0	8.00	2.00	182.1	
9845.4	90.00	339.50	9192.0	484.8	660.8	8.00	-67.26	481.3	
10854.9	90.00	359.69	9192.0	1472.6	479.4	2.00	90.00	1470.0	
22157.6	90.00	359.69	9192.0	12775.1	418.2	0.00	0.00	12772.7	LTP PLU 13-24 PC 708H Pln 3
22207.6	90.00	359.69	9192.0	12825.1	417.9	0.00	0.00	12822.7	PBHL PLU 13-24 PC 708H Pln 3

Project: Eddy County, NM (NAD 27 NME) PLU 13-1-24 PC
Site: PLU 13-1-24 PC Pad C - Project for Ayush
Well: PLU 13-24 PC 708H
Wellbore: OH
Design: Plan 3

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP Pln 3 PLU 13-24 PC 708H	8459.7	-405.5	689.3	442979.05	624797.30	32° 13' 2.001 N	103° 55' 47.286 W
LP PLU 13-24 PC 708H Pln 3	9165.0	185.9	710.0	443570.52	624817.95	32° 13' 7.853 N	103° 55' 47.020 W
LTP PLU 13-24 PC 708H Pln 3	9192.0	12775.1	418.2	456159.70	624526.18	32° 15' 12.448 N	103° 55' 49.867 W
PBHL PLU 13-24 PC 708H Pln 3	9192.0	12825.1	417.8	456209.69	624525.81	32° 15' 12.943 N	103° 55' 49.869 W





COMPANY ROC
FIELD *HP 532/547/549/552 - Eddy County, NM (NAD 27 NME)
SITE PLU 13-1-24 PC Pad C - Project for Ayush
WELL PLU 13-24 PC 708H
WELLPATH OH
DESIGN Plan 3
DEPTHUNI (ft)

WELL INFO
MAP DATU NAD 1927 (NADCON CONUS)
MAP SYSTI US State Plane 1927 (Exact solution)
MAP ZONE New Mexico East 3001
WELL LAT 32.21834
WELL LON -103.932
WELL EW I 624108
WELL NS N 443384.6
CONVERGI 0.21
MAGMOD IGRF2020
DECLINATI 6.4
NORTH RE Grid
GROUND E 3112
KB ELEVN 3142
VS AZI 359.69

SURVEY TYPE INFORMATION
H 0.00 - 22207.61 PLAN 3 : XOM_R2OWSG MWD+IFR1+MS

SURVEY LIST

Measured MD	Inclination INC	Azimuth AZI	Course Ler CL	True Verti TVD	SubSea TV SSTVD	Local N/-S NS	Local E/-W EW	Easting X	Northing Y
0	0	0	0	0	3142	0	0	624108	443384.6
100	0	0	100	100	3042	0	0	624108	443384.6
200	0	0	100	200	2942	0	0	624108	443384.6
300	0	0	100	300	2842	0	0	624108	443384.6
400	0	0	100	400	2742	0	0	624108	443384.6
500	0	0	100	500	2642	0	0	624108	443384.6
600	0	0	100	600	2542	0	0	624108	443384.6
700	0	0	100	700	2442	0	0	624108	443384.6
800	0	0	100	800	2342	0	0	624108	443384.6
900	0	0	100	900	2242	0	0	624108	443384.6
1000	0	0	100	1000	2142	0	0	624108	443384.6
1100	0	0	100	1100	2042	0	0	624108	443384.6
1200	0	0	100	1200	1942	0	0	624108	443384.6
1300	0	0	100	1300	1842	0	0	624108	443384.6
1400	0	0	100	1400	1742	0	0	624108	443384.6
1500	2	85	100	1499.98	1642.02	0.152	1.739	624109.7	443384.7
1600	4	85	100	1599.838	1542.162	0.608	6.952	624115	443385.2

1700	6	85	100	1699.452	1442.548	1.368	15.634	624123.6	443386
1800	8	85	100	1798.702	1343.298	2.43	27.774	624135.8	443387
1900	10	85	100	1897.465	1244.535	3.793	43.357	624151.4	443388.4
2000	12	85	100	1995.623	1146.377	5.456	62.364	624170.4	443390
2050	13	85	50	2044.437	1097.563	6.399	73.145	624181.1	443391
2100	12.538	89.015	50	2093.202	1048.798	6.983	84.174	624192.2	443391.6
2200	11.814	97.865	100	2190.96	951.04	5.768	105.17	624213.2	443390.4
2300	11.393	107.599	100	2288.925	853.075	1.381	124.727	624232.7	443386
2400	11.312	117.764	100	2386.979	755.021	-6.175	142.822	624250.8	443378.4
2484.603	11.513	126.263	84.603	2469.916	672.084	-15.035	156.972	624265	443369.6
2500	11.513	126.263	15.397	2485.002	656.998	-16.852	159.45	624267.5	443367.7
2600	11.513	126.263	100	2582.99	559.01	-28.658	175.543	624283.5	443355.9
2700	11.513	126.263	100	2680.978	461.022	-40.463	191.636	624299.6	443344.1
2800	11.513	126.263	100	2778.966	363.034	-52.268	207.729	624315.7	443332.3
2900	11.513	126.263	100	2876.954	265.046	-64.074	223.821	624331.8	443320.5
3000	11.513	126.263	100	2974.942	167.058	-75.879	239.914	624347.9	443308.7
3100	11.513	126.263	100	3072.931	69.069	-87.684	256.007	624364	443296.9
3200	11.513	126.263	100	3170.919	-28.919	-99.49	272.1	624380.1	443285.1
3300	11.513	126.263	100	3268.907	-126.907	-111.295	288.193	624396.2	443273.3
3400	11.513	126.263	100	3366.895	-224.895	-123.1	304.286	624412.3	443261.5
3500	11.513	126.263	100	3464.883	-322.883	-134.906	320.379	624428.4	443249.7
3600	11.513	126.263	100	3562.871	-420.871	-146.711	336.472	624444.5	443237.9
3700	11.513	126.263	100	3660.859	-518.859	-158.516	352.565	624460.6	443226.1
3800	11.513	126.263	100	3758.847	-616.847	-170.322	368.657	624476.7	443214.3
3900	11.513	126.263	100	3856.835	-714.835	-182.127	384.75	624492.8	443202.5
4000	11.513	126.263	100	3954.823	-812.823	-193.932	400.843	624508.8	443190.7
4100	11.513	126.263	100	4052.811	-910.811	-205.738	416.936	624524.9	443178.9
4200	11.513	126.263	100	4150.799	-1008.8	-217.543	433.029	624541	443167
4300	11.513	126.263	100	4248.787	-1106.79	-229.348	449.122	624557.1	443155.2
4400	11.513	126.263	100	4346.775	-1204.78	-241.154	465.215	624573.2	443143.4
4500	11.513	126.263	100	4444.763	-1302.76	-252.959	481.308	624589.3	443131.6
4600	11.513	126.263	100	4542.751	-1400.75	-264.764	497.4	624605.4	443119.8
4700	11.513	126.263	100	4640.739	-1498.74	-276.57	513.493	624621.5	443108
4800	11.513	126.263	100	4738.727	-1596.73	-288.375	529.586	624637.6	443096.2
4900	11.513	126.263	100	4836.715	-1694.72	-300.18	545.679	624653.7	443084.4
5000	11.513	126.263	100	4934.703	-1792.7	-311.986	561.772	624669.8	443072.6
5100	11.513	126.263	100	5032.691	-1890.69	-323.791	577.865	624685.9	443060.8
5200	11.513	126.263	100	5130.679	-1988.68	-335.596	593.958	624702	443049
5300	11.513	126.263	100	5228.667	-2086.67	-347.402	610.051	624718.1	443037.2
5400	11.513	126.263	100	5326.655	-2184.66	-359.207	626.144	624734.1	443025.4
5503.658	11.513	126.263	103.658	5428.227	-2286.23	-371.444	642.825	624750.8	443013.1
5600	9.586	126.263	96.342	5522.937	-2380.94	-381.877	657.047	624765	443002.7
5700	7.586	126.263	100	5621.811	-2479.81	-390.707	669.084	624777.1	442993.9
5800	5.586	126.263	100	5721.146	-2579.15	-397.49	678.331	624786.3	442987.1
5900	3.586	126.263	100	5820.821	-2678.82	-402.219	684.777	624792.8	442982.4
6000	1.586	126.263	100	5920.714	-2778.71	-404.888	688.415	624796.4	442979.7
6079.296	0	0.005	79.296	6000	-2858	-405.537	689.3	624797.3	442979.1

6100	0	0	20.704	6020.704	-2878.7	-405.537	689.3	624797.3	442979.1
6200	0	0	100	6120.704	-2978.7	-405.537	689.3	624797.3	442979.1
6300	0	0	100	6220.704	-3078.7	-405.537	689.3	624797.3	442979.1
6400	0	0	100	6320.704	-3178.7	-405.537	689.3	624797.3	442979.1
6500	0	0	100	6420.704	-3278.7	-405.537	689.3	624797.3	442979.1
6600	0	0	100	6520.704	-3378.7	-405.537	689.3	624797.3	442979.1
6700	0	0	100	6620.704	-3478.7	-405.537	689.3	624797.3	442979.1
6800	0	0	100	6720.704	-3578.7	-405.537	689.3	624797.3	442979.1
6900	0	0	100	6820.704	-3678.7	-405.537	689.3	624797.3	442979.1
7000	0	0	100	6920.704	-3778.7	-405.537	689.3	624797.3	442979.1
7100	0	0	100	7020.704	-3878.7	-405.537	689.3	624797.3	442979.1
7200	0	0	100	7120.704	-3978.7	-405.537	689.3	624797.3	442979.1
7300	0	0	100	7220.704	-4078.7	-405.537	689.3	624797.3	442979.1
7400	0	0	100	7320.704	-4178.7	-405.537	689.3	624797.3	442979.1
7500	0	0	100	7420.704	-4278.7	-405.537	689.3	624797.3	442979.1
7600	0	0	100	7520.704	-4378.7	-405.537	689.3	624797.3	442979.1
7700	0	0	100	7620.704	-4478.7	-405.537	689.3	624797.3	442979.1
7800	0	0	100	7720.704	-4578.7	-405.537	689.3	624797.3	442979.1
7900	0	0	100	7820.704	-4678.7	-405.537	689.3	624797.3	442979.1
8000	0	0	100	7920.704	-4778.7	-405.537	689.3	624797.3	442979.1
8100	0	0	100	8020.704	-4878.7	-405.537	689.3	624797.3	442979.1
8200	0	0	100	8120.704	-4978.7	-405.537	689.3	624797.3	442979.1
8300	0	0	100	8220.704	-5078.7	-405.537	689.3	624797.3	442979.1
8400	0	0	100	8320.704	-5178.7	-405.537	689.3	624797.3	442979.1
8500	0	0	100	8420.704	-5278.7	-405.537	689.3	624797.3	442979.1
8538.996	0	0.005	38.996	8459.7	-5317.7	-405.537	689.3	624797.3	442979.1
8550	0.88	2	11.004	8470.703	-5328.7	-405.452	689.303	624797.3	442979.1
8600	4.88	2	50	8520.63	-5378.63	-402.942	689.391	624797.4	442981.6
8650	8.88	2	50	8570.26	-5428.26	-396.957	689.6	624797.6	442987.6
8700	12.88	2	50	8619.351	-5477.35	-387.527	689.929	624797.9	442997.1
8750	16.88	2	50	8667.664	-5525.66	-374.697	690.377	624798.4	443009.9
8800	20.88	2	50	8714.965	-5572.97	-358.531	690.941	624798.9	443026.1
8850	24.88	2	50	8761.021	-5619.02	-339.106	691.62	624799.6	443045.5
8900	28.88	2	50	8805.61	-5663.61	-316.518	692.409	624800.4	443068.1
8950	32.88	2	50	8848.513	-5706.51	-290.877	693.304	624801.3	443093.7
9000	36.88	2	50	8889.522	-5747.52	-262.307	694.302	624802.3	443122.3
9050	40.88	2	50	8928.437	-5786.44	-230.947	695.397	624803.4	443153.6
9100	44.88	2	50	8965.069	-5823.07	-196.952	696.584	624804.6	443187.6
9150	48.88	2	50	8999.238	-5857.24	-160.485	697.857	624805.9	443224.1
9200	52.88	2	50	9030.779	-5888.78	-121.725	699.211	624807.2	443262.9
9250	56.88	2	50	9059.537	-5917.54	-80.86	700.638	624808.6	443303.7
9300	60.88	2	50	9085.373	-5943.37	-38.091	702.131	624810.1	443346.5
9350	64.88	2	50	9108.161	-5966.16	6.376	703.684	624811.7	443391
9400	68.88	2	50	9127.79	-5985.79	52.323	705.289	624813.3	443436.9
9450	72.88	2	50	9144.164	-6002.16	99.526	706.937	624814.9	443484.1
9500	76.88	2	50	9157.203	-6015.2	147.756	708.621	624816.6	443532.3
9538.996	80	2	38.996	9165.017	-6023.02	185.934	709.955	624818	443570.5

9550	80.341	1.176	11.004	9166.895	-6024.9	196.771	710.255	624818.3	443581.4
9600	81.916	357.455	50	9174.608	-6032.61	246.159	709.662	624817.7	443630.7
9650	83.524	353.762	50	9180.946	-6038.95	295.6	705.862	624813.9	443680.2
9700	85.158	350.093	50	9185.878	-6043.88	344.853	698.874	624806.9	443729.4
9750	86.812	346.442	50	9189.38	-6047.38	393.677	688.733	624796.7	443778.3
9800	88.479	342.803	50	9191.434	-6049.43	441.837	675.487	624783.5	443826.4
9845.449	90	339.5	45.449	9192.038	-6050.04	484.838	660.808	624768.8	443869.4
9900	90	340.591	54.551	9192.038	-6050.04	536.113	642.191	624750.2	443920.7
10000	90	342.591	100	9192.038	-6050.04	630.991	610.613	624718.6	444015.6
10100	90	344.591	100	9192.038	-6050.04	726.913	582.365	624690.4	444111.5
10200	90	346.591	100	9192.037	-6050.04	823.762	557.482	624665.5	444208.4
10300	90	348.591	100	9192.037	-6050.04	921.421	535.995	624644	444306
10400	90	350.591	100	9192.037	-6050.04	1019.77	517.928	624625.9	444404.4
10500	90	352.591	100	9192.037	-6050.04	1118.69	503.305	624611.3	444503.3
10600	90	354.591	100	9192.037	-6050.04	1218.06	492.143	624600.1	444602.7
10700	90	356.591	100	9192.036	-6050.04	1317.759	484.456	624592.5	444702.3
10800	90	358.591	100	9192.036	-6050.04	1417.666	480.253	624588.3	444802.3
10854.93	90	359.69	54.925	9192.036	-6050.04	1472.584	479.429	624587.4	444857.2
10900	90	359.69	45.075	9192.036	-6050.04	1517.658	479.185	624587.2	444902.2
11000	90	359.69	100	9192.036	-6050.04	1617.657	478.643	624586.6	445002.2
11100	90	359.69	100	9192.035	-6050.04	1717.655	478.101	624586.1	445102.2
11200	90	359.69	100	9192.035	-6050.04	1817.654	477.559	624585.6	445202.2
11300	90	359.69	100	9192.035	-6050.04	1917.652	477.017	624585	445302.2
11400	90	359.69	100	9192.034	-6050.03	2017.651	476.475	624584.5	445402.2
11500	90	359.69	100	9192.034	-6050.03	2117.649	475.933	624583.9	445502.2
11600	90	359.69	100	9192.034	-6050.03	2217.648	475.391	624583.4	445602.2
11700	90	359.69	100	9192.033	-6050.03	2317.646	474.85	624582.9	445702.2
11800	90	359.69	100	9192.033	-6050.03	2417.645	474.308	624582.3	445802.2
11900	90	359.69	100	9192.033	-6050.03	2517.643	473.766	624581.8	445902.2
12000	90	359.69	100	9192.032	-6050.03	2617.642	473.224	624581.2	446002.2
12100	90	359.69	100	9192.032	-6050.03	2717.641	472.682	624580.7	446102.2
12200	90	359.69	100	9192.032	-6050.03	2817.639	472.14	624580.1	446202.2
12300	90	359.69	100	9192.031	-6050.03	2917.638	471.598	624579.6	446302.2
12400	90	359.69	100	9192.031	-6050.03	3017.636	471.056	624579.1	446402.2
12500	90	359.69	100	9192.031	-6050.03	3117.635	470.514	624578.5	446502.2
12600	90	359.69	100	9192.03	-6050.03	3217.633	469.972	624578	446602.2
12700	90	359.69	100	9192.03	-6050.03	3317.632	469.431	624577.4	446702.2
12800	90	359.69	100	9192.03	-6050.03	3417.63	468.889	624576.9	446802.2
12900	90	359.69	100	9192.029	-6050.03	3517.629	468.347	624576.3	446902.2
13000	90	359.69	100	9192.029	-6050.03	3617.627	467.805	624575.8	447002.2
13100	90	359.69	100	9192.029	-6050.03	3717.626	467.263	624575.3	447102.2
13200	90	359.69	100	9192.029	-6050.03	3817.624	466.721	624574.7	447202.2
13300	90	359.69	100	9192.028	-6050.03	3917.623	466.179	624574.2	447302.2
13400	90	359.69	100	9192.028	-6050.03	4017.621	465.637	624573.6	447402.2
13500	90	359.69	100	9192.028	-6050.03	4117.62	465.095	624573.1	447502.2
13600	90	359.69	100	9192.027	-6050.03	4217.619	464.553	624572.6	447602.2
13700	90	359.69	100	9192.027	-6050.03	4317.617	464.012	624572	447702.2

13800	90	359.69	100	9192.027	-6050.03	4417.616	463.47	624571.5	447802.2
13900	90	359.69	100	9192.026	-6050.03	4517.614	462.928	624570.9	447902.2
14000	90	359.69	100	9192.026	-6050.03	4617.613	462.386	624570.4	448002.2
14100	90	359.69	100	9192.026	-6050.03	4717.611	461.844	624569.8	448102.2
14200	90	359.69	100	9192.025	-6050.03	4817.61	461.302	624569.3	448202.2
14300	90	359.69	100	9192.025	-6050.03	4917.608	460.76	624568.8	448302.2
14400	90	359.69	100	9192.025	-6050.03	5017.607	460.218	624568.2	448402.2
14500	90	359.69	100	9192.024	-6050.02	5117.605	459.676	624567.7	448502.2
14600	90	359.69	100	9192.024	-6050.02	5217.604	459.134	624567.1	448602.2
14700	90	359.69	100	9192.024	-6050.02	5317.602	458.593	624566.6	448702.2
14800	90	359.69	100	9192.023	-6050.02	5417.601	458.051	624566.1	448802.2
14900	90	359.69	100	9192.023	-6050.02	5517.599	457.509	624565.5	448902.2
15000	90	359.69	100	9192.023	-6050.02	5617.598	456.967	624565	449002.2
15100	90	359.69	100	9192.022	-6050.02	5717.596	456.425	624564.4	449102.2
15200	90	359.69	100	9192.022	-6050.02	5817.595	455.883	624563.9	449202.2
15300	90	359.69	100	9192.022	-6050.02	5917.594	455.341	624563.3	449302.2
15400	90	359.69	100	9192.022	-6050.02	6017.592	454.799	624562.8	449402.2
15500	90	359.69	100	9192.021	-6050.02	6117.591	454.257	624562.3	449502.2
15600	90	359.69	100	9192.021	-6050.02	6217.589	453.716	624561.7	449602.2
15700	90	359.69	100	9192.021	-6050.02	6317.588	453.174	624561.2	449702.2
15800	90	359.69	100	9192.02	-6050.02	6417.586	452.632	624560.6	449802.2
15900	90	359.69	100	9192.02	-6050.02	6517.585	452.09	624560.1	449902.2
16000	90	359.69	100	9192.02	-6050.02	6617.583	451.548	624559.5	450002.2
16100	90	359.69	100	9192.019	-6050.02	6717.582	451.006	624559	450102.2
16200	90	359.69	100	9192.019	-6050.02	6817.58	450.464	624558.5	450202.2
16300	90	359.69	100	9192.019	-6050.02	6917.579	449.922	624557.9	450302.2
16400	90	359.69	100	9192.018	-6050.02	7017.577	449.38	624557.4	450402.2
16500	90	359.69	100	9192.018	-6050.02	7117.576	448.838	624556.8	450502.2
16600	90	359.69	100	9192.018	-6050.02	7217.574	448.297	624556.3	450602.2
16700	90	359.69	100	9192.017	-6050.02	7317.573	447.755	624555.8	450702.2
16800	90	359.69	100	9192.017	-6050.02	7417.572	447.213	624555.2	450802.2
16900	90	359.69	100	9192.017	-6050.02	7517.57	446.671	624554.7	450902.2
17000	90	359.69	100	9192.016	-6050.02	7617.569	446.129	624554.1	451002.2
17100	90	359.69	100	9192.016	-6050.02	7717.567	445.587	624553.6	451102.2
17200	90	359.69	100	9192.016	-6050.02	7817.566	445.045	624553	451202.2
17300	90	359.69	100	9192.015	-6050.02	7917.564	444.503	624552.5	451302.2
17400	90	359.69	100	9192.015	-6050.02	8017.563	443.961	624552	451402.2
17500	90	359.69	100	9192.015	-6050.02	8117.561	443.419	624551.4	451502.2
17600	90	359.69	100	9192.015	-6050.02	8217.56	442.878	624550.9	451602.2
17700	90	359.69	100	9192.014	-6050.01	8317.558	442.336	624550.3	451702.1
17800	90	359.69	100	9192.014	-6050.01	8417.557	441.794	624549.8	451802.1
17900	90	359.69	100	9192.014	-6050.01	8517.555	441.252	624549.3	451902.1
18000	90	359.69	100	9192.013	-6050.01	8617.554	440.71	624548.7	452002.1
18100	90	359.69	100	9192.013	-6050.01	8717.552	440.168	624548.2	452102.1
18200	90	359.69	100	9192.013	-6050.01	8817.551	439.626	624547.6	452202.1
18300	90	359.69	100	9192.012	-6050.01	8917.55	439.084	624547.1	452302.1
18400	90	359.69	100	9192.012	-6050.01	9017.548	438.542	624546.5	452402.1

18500	90	359.69	100	9192.012	-6050.01	9117.547	438.001	624546	452502.1
18600	90	359.69	100	9192.011	-6050.01	9217.545	437.459	624545.5	452602.1
18700	90	359.69	100	9192.011	-6050.01	9317.544	436.917	624544.9	452702.1
18800	90	359.69	100	9192.011	-6050.01	9417.542	436.375	624544.4	452802.1
18900	90	359.69	100	9192.01	-6050.01	9517.541	435.833	624543.8	452902.1
19000	90	359.69	100	9192.01	-6050.01	9617.539	435.291	624543.3	453002.1
19100	90	359.69	100	9192.01	-6050.01	9717.538	434.749	624542.7	453102.1
19200	90	359.69	100	9192.009	-6050.01	9817.536	434.207	624542.2	453202.1
19300	90	359.69	100	9192.009	-6050.01	9917.535	433.665	624541.7	453302.1
19400	90	359.69	100	9192.009	-6050.01	10017.53	433.123	624541.1	453402.1
19500	90	359.69	100	9192.008	-6050.01	10117.53	432.582	624540.6	453502.1
19600	90	359.69	100	9192.008	-6050.01	10217.53	432.04	624540	453602.1
19700	90	359.69	100	9192.008	-6050.01	10317.53	431.498	624539.5	453702.1
19800	90	359.69	100	9192.008	-6050.01	10417.53	430.956	624539	453802.1
19900	90	359.69	100	9192.007	-6050.01	10517.53	430.414	624538.4	453902.1
20000	90	359.69	100	9192.007	-6050.01	10617.53	429.872	624537.9	454002.1
20100	90	359.69	100	9192.007	-6050.01	10717.52	429.33	624537.3	454102.1
20200	90	359.69	100	9192.006	-6050.01	10817.52	428.788	624536.8	454202.1
20300	90	359.69	100	9192.006	-6050.01	10917.52	428.246	624536.2	454302.1
20400	90	359.69	100	9192.006	-6050.01	11017.52	427.704	624535.7	454402.1
20500	90	359.69	100	9192.005	-6050.01	11117.52	427.163	624535.2	454502.1
20600	90	359.69	100	9192.005	-6050.01	11217.52	426.621	624534.6	454602.1
20700	90	359.69	100	9192.005	-6050.01	11317.51	426.079	624534.1	454702.1
20800	90	359.69	100	9192.004	-6050	11417.51	425.537	624533.5	454802.1
20900	90	359.69	100	9192.004	-6050	11517.51	424.995	624533	454902.1
21000	90	359.69	100	9192.004	-6050	11617.51	424.453	624532.5	455002.1
21100	90	359.69	100	9192.003	-6050	11717.51	423.911	624531.9	455102.1
21200	90	359.69	100	9192.003	-6050	11817.51	423.369	624531.4	455202.1
21300	90	359.69	100	9192.003	-6050	11917.51	422.827	624530.8	455302.1
21400	90	359.69	100	9192.002	-6050	12017.5	422.286	624530.3	455402.1
21500	90	359.69	100	9192.002	-6050	12117.5	421.744	624529.7	455502.1
21600	90	359.69	100	9192.002	-6050	12217.5	421.202	624529.2	455602.1
21700	90	359.69	100	9192.001	-6050	12317.5	420.66	624528.7	455702.1
21800	90	359.69	100	9192.001	-6050	12417.5	420.118	624528.1	455802.1
21900	90	359.69	100	9192.001	-6050	12517.5	419.576	624527.6	455902.1
22000	90	359.69	100	9192.001	-6050	12617.5	419.034	624527	456002.1
22100	90	359.69	100	9192	-6050	12717.49	418.492	624526.5	456102.1
22157.62	90	359.69	57.617	9192	-6050	12775.11	418.18	624526.2	456159.7
22207.61	90	359.69	49.991	9192	-6050	12825.1	417.909	624525.9	456209.7

Latitude	Longitude	Dogleg Sev	Build Rate	Turn Rate	Vertical Section
LAT	LON	DLS	BLD	TRN	VS
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21834	-103.932	0	0	0	0
32.21835	-103.932	2	2	0	0.143
32.21835	-103.932	2	2	0	0.571

32.21835	-103.932	2	2	0	1.283
32.21835	-103.932	2	2	0	2.28
32.21835	-103.932	2	2	0	3.559
32.21836	-103.932	2	2	0	5.119
32.21836	-103.932	2	2	0	6.004
32.21836	-103.932	2	-0.92	8.03	6.527
32.21836	-103.932	2	-0.72	8.85	5.199
32.21835	-103.932	2	-0.42	9.73	0.706
32.21833	-103.932	2	-0.08	10.16	-6.948
32.2183	-103.932	2	0.24	10.05	-15.884
32.2183	-103.932	0	0	0	-17.715
32.21826	-103.931	0	0	0	-29.607
32.21823	-103.931	0	0	0	-41.499
32.2182	-103.931	0	0	0	-53.391
32.21817	-103.931	0	0	0	-65.284
32.21813	-103.931	0	0	0	-77.176
32.2181	-103.931	0	0	0	-89.068
32.21807	-103.931	0	0	0	-100.96
32.21804	-103.931	0	0	0	-112.853
32.218	-103.931	0	0	0	-124.745
32.21797	-103.931	0	0	0	-136.637
32.21794	-103.931	0	0	0	-148.529
32.21791	-103.931	0	0	0	-160.421
32.21787	-103.931	0	0	0	-172.314
32.21784	-103.931	0	0	0	-184.206
32.21781	-103.931	0	0	0	-196.098
32.21777	-103.931	0	0	0	-207.99
32.21774	-103.931	0	0	0	-219.883
32.21771	-103.931	0	0	0	-231.775
32.21768	-103.931	0	0	0	-243.667
32.21764	-103.93	0	0	0	-255.559
32.21761	-103.93	0	0	0	-267.452
32.21758	-103.93	0	0	0	-279.344
32.21755	-103.93	0	0	0	-291.236
32.21751	-103.93	0	0	0	-303.128
32.21748	-103.93	0	0	0	-315.02
32.21745	-103.93	0	0	0	-326.913
32.21742	-103.93	0	0	0	-338.805
32.21738	-103.93	0	0	0	-350.697
32.21735	-103.93	0	0	0	-362.589
32.21732	-103.93	0	0	0	-374.917
32.21729	-103.93	2	-2	0	-385.426
32.21726	-103.93	2	-2	0	-394.321
32.21725	-103.93	2	-2	0	-401.155
32.21723	-103.93	2	-2	0	-405.918
32.21722	-103.93	2	-2	0	-408.606
32.21722	-103.93	2	-2	0	-409.26

32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	0	0	0	-409.26
32.21722	-103.93	8	8	0	-409.176
32.21723	-103.93	8	8	0	-406.666
32.21725	-103.93	8	8	0	-400.682
32.21727	-103.93	8	8	0	-391.254
32.21731	-103.93	8	8	0	-378.427
32.21735	-103.93	8	8	0	-362.264
32.21741	-103.93	8	8	0	-342.843
32.21747	-103.93	8	8	0	-320.26
32.21754	-103.93	8	8	0	-294.623
32.21762	-103.93	8	8	0	-266.059
32.2177	-103.93	8	8	0	-234.706
32.2178	-103.93	8	8	0	-200.718
32.2179	-103.93	8	8	0	-164.258
32.218	-103.93	8	8	0	-125.506
32.21812	-103.93	8	8	0	-84.65
32.21823	-103.93	8	8	0	-41.889
32.21836	-103.93	8	8	0	2.569
32.21848	-103.93	8	8	0	48.506
32.21861	-103.93	8	8	0	95.7
32.21874	-103.93	8	8	0	143.92
32.21885	-103.93	8	8	0	182.09

32.21888	-103.93	8	3.1	-7.48	192.926
32.21901	-103.93	8	3.15	-7.44	242.316
32.21915	-103.93	8	3.22	-7.38	291.776
32.21929	-103.93	8	3.27	-7.34	341.066
32.21942	-103.93	8	3.31	-7.3	389.945
32.21955	-103.93	8	3.33	-7.28	438.176
32.21967	-103.93	8	3.35	-7.27	481.255
32.21981	-103.93	2	0	2	532.63
32.22007	-103.93	2	0	2	627.678
32.22034	-103.93	2	0	2	723.751
32.2206	-103.93	2	0	2	820.734
32.22087	-103.93	2	0	2	918.508
32.22114	-103.93	2	0	2	1016.953
32.22141	-103.93	2	0	2	1115.951
32.22169	-103.93	2	0	2	1215.38
32.22196	-103.93	2	0	2	1315.119
32.22224	-103.93	2	0	2	1415.047
32.22239	-103.93	2	0	2	1469.968
32.22251	-103.93	0	0	0	1515.043
32.22279	-103.93	0	0	0	1615.043
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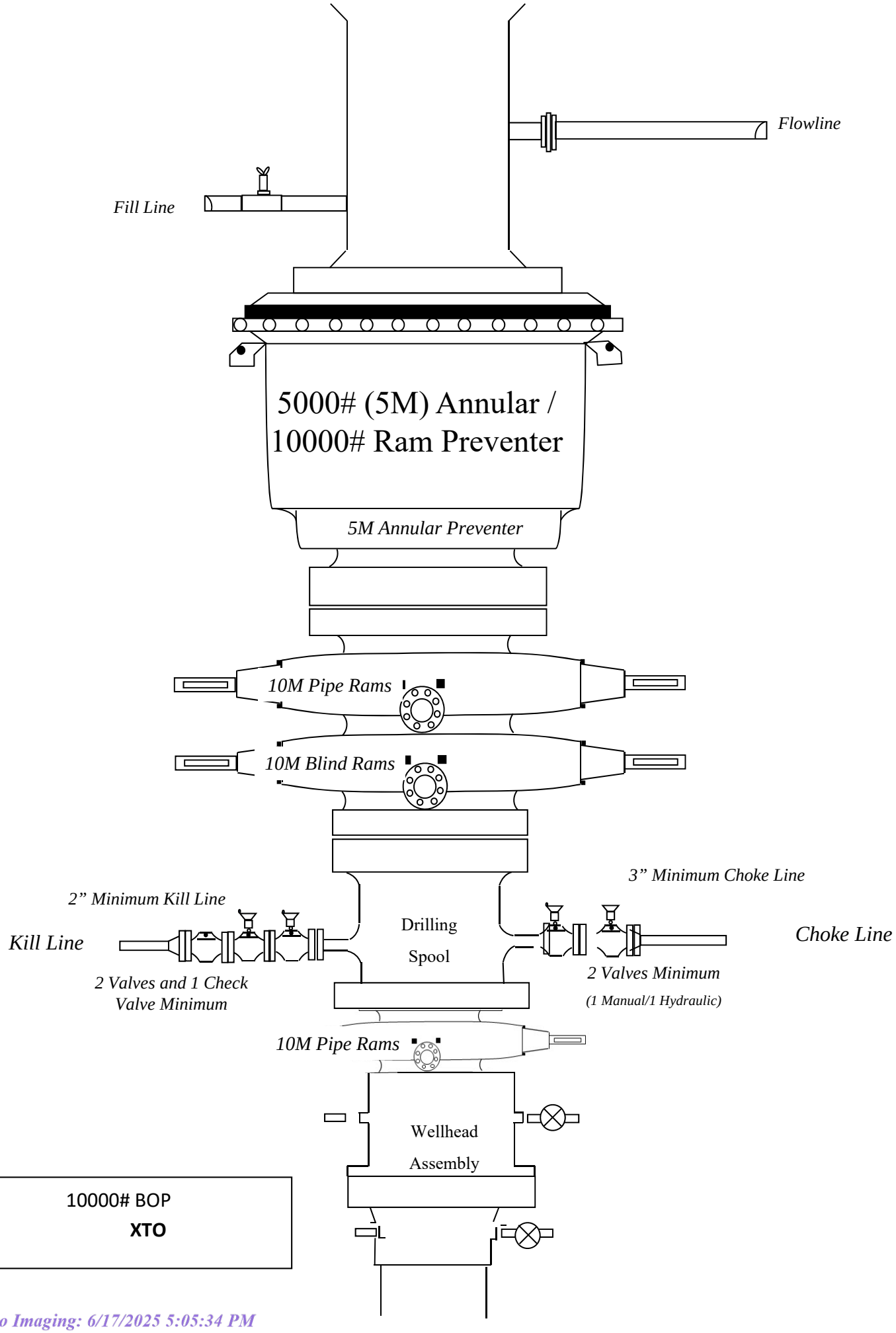
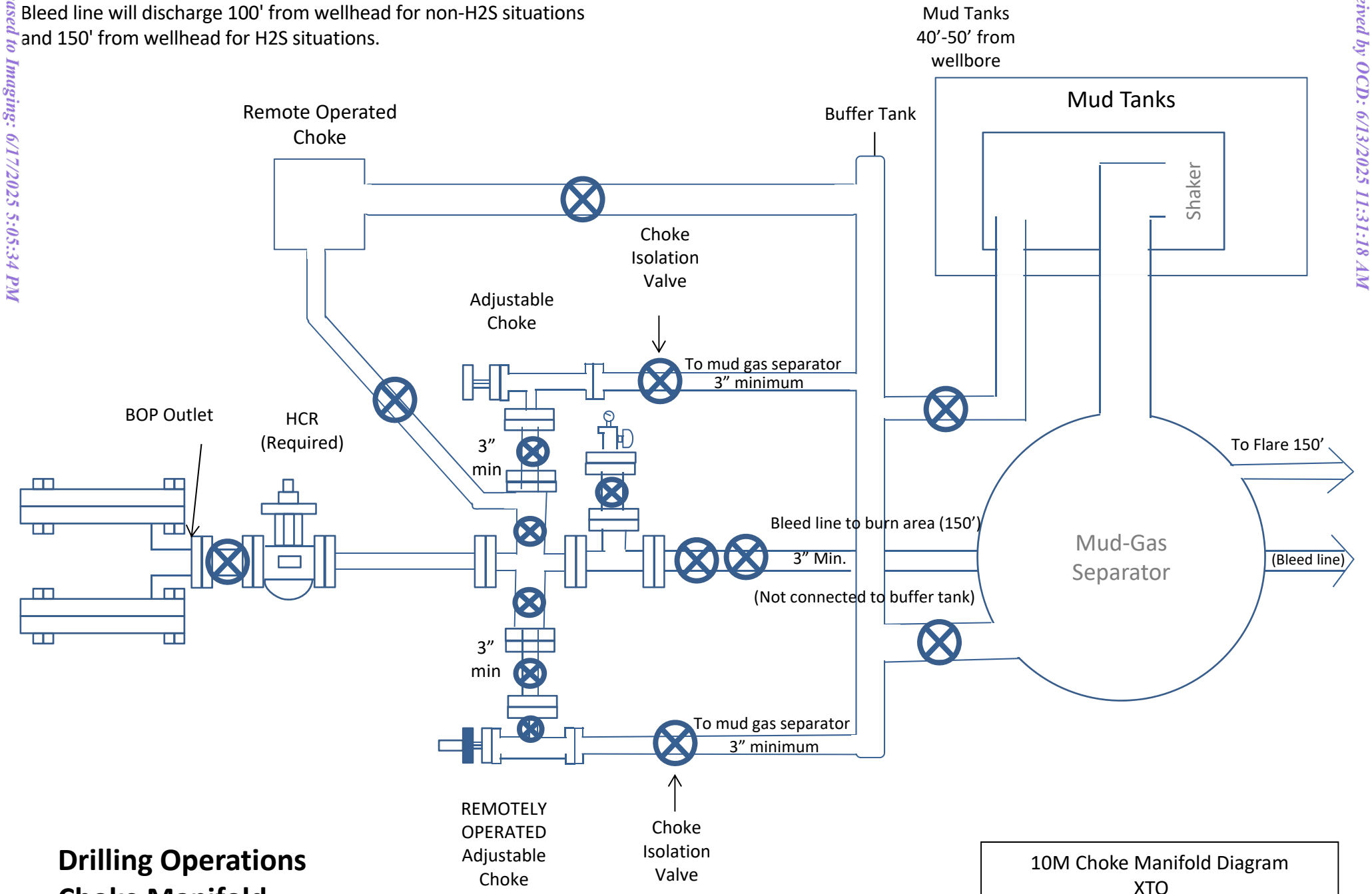


10000# BOP

XTO

Bleed line will discharge 100' from wellhead for non-H2S situations and 150' from wellhead for H2S situations.



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO

Tenaris

TenarisHydril Wedge 511

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

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

Pipe Body Data

Geometry				Performance	
Nominal OD	7.625 in.	**Wall Thickness**	0.375 in.	**Body Yield Strength**	1068 x1000 lb
Nominal Weight	29.70 lb/ft	**Plain End Weight**	29.06 lb/ft	**Min. Internal Yield Pressure**	11,070 psi
Drift	6.750 in.	**OD Tolerance**	API	**SMYS**	125,000 psi
Nominal ID	6.875 in.			**Collapse Pressure**	7360 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.625 in.	**Tension Efficiency**	61.10 %	**Minimum**	5900 ft-lb
Connection ID	6.787 in.	**Joint Yield Strength**	653 x1000 lb	**Optimum**	7100 ft-lb
Make-up Loss	3.704 in.	**Internal Pressure Capacity**	11,070 psi	**Maximum**	10,300 ft-lb
Threads per inch	3.28	**Compression Efficiency**	73.80 %		
Connection OD Option	Regular	**Compression Strength**	788 x1000 lb	**Operation Limit Torques**	
		Max. Allowable Bending	45.83 °/100 ft	**Operating Torque**	55,000 ft-lb
		External Pressure Capacity	7360 psi	**Yield Torque**	82,000 ft-lb

Notes

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

Printed on: 6/13/2025

Tenaris

TenarisHydril Wedge 511

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

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

Pipe Body Data

Geometry				Performance	
Nominal OD	7.625 in.	**Wall Thickness**	0.375 in.	**Body Yield Strength**	683 x1000 lb
Nominal Weight	29.70 lb/ft	**Plain End Weight**	29.06 lb/ft	**Min. Internal Yield Pressure**	6890 psi
Drift	6.750 in.	**OD Tolerance**	API	**SMYS**	80,000 psi
Nominal ID	6.875 in.			**Collapse Pressure**	5900 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.625 in.	**Tension Efficiency**	61.10 %	**Minimum**	5900 ft-lb
Connection ID	6.787 in.	**Joint Yield Strength**	417 x1000 lb	**Optimum**	7100 ft-lb
Make-up Loss	3.704 in.	**Internal Pressure Capacity**	6890 psi	**Maximum**	10,300 ft-lb
Threads per inch	3.28	**Compression Efficiency**	73.80 %		
Connection OD Option	Regular	**Compression Strength**	504 x1000 lb	**Operation Limit Torques**	
		Max. Allowable Bending	29.33 °/100 ft	**Operating Torque**	35,000 ft-lb
		External Pressure Capacity	5900 psi	**Yield Torque**	52,000 ft-lb

Notes

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

Tenaris

TPN™

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

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

Pipe Body Data

Geometry				Performance	
Nominal OD	5.500 in.	**Wall Thickness**	0.361 in.	**Body Yield Strength**	641 x1000 lb
Nominal Weight	20.00 lb/ft	**Plain End Weight**	19.83 lb/ft	**Min. Internal Yield Pressure**	12,640 psi
Drift	4.653 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	4.778 in.			**Collapse Pressure**	11,100 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.300 in.	**Tension Efficiency**	100 %	**Minimum**	13,860 ft-lb
Coupling Length	8.408 in.	**Joint Yield Strength**	641 x1000 lb	**Optimum**	15,400 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	12,640 psi	**Maximum**	16,940 ft-lb
Make-up Loss	4.204 in.	**Compression Efficiency**	100 %	**Operation Limit Torques**	
Threads per inch	5	**Compression Strength**	641 x1000 lb	**Operating Torque**	26,350 ft-lb
Connection OD Option	Regular	**Max. Allowable Bending**	92 °/100 ft	**Yield Torque**	29,300 ft-lb
		External Pressure Capacity	11,100 psi		

Notes

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PI/CIII

Printed on: 6/16/2025

Tenaris

TenarisHydril Wedge 441®

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

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

Pipe Body Data

Geometry				Performance	
Nominal OD	5.500 in.	**Wall Thickness**	0.361 in.	**Body Yield Strength**	729 x1000 lb
Nominal Weight	20.00 lb/ft	**Plain End Weight**	19.83 lb/ft	**Min. Internal Yield Pressure**	14,360 psi
Drift	4.653 in.	**OD Tolerance**	API	**SMYS**	125,000 psi
Nominal ID	4.778 in.			**Collapse Pressure**	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5.852 in.	**Tension Efficiency**	81.50 %	**Minimum**	15,000 ft-lb
Coupling Length	8.714 in.	**Joint Yield Strength**	594 x1000 lb	**Optimum**	16,000 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	14,360 psi	**Maximum**	19,200 ft-lb
Make-up Loss	3.780 in.	**Compression Efficiency**	81.50 %		
Threads per inch	3.40	**Compression Strength**	594 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	84.76 °/100 ft	**Operating Torque**	36,000 ft-lb
		External Pressure Capacity	12,300 psi	**Yield Torque**	42,000 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

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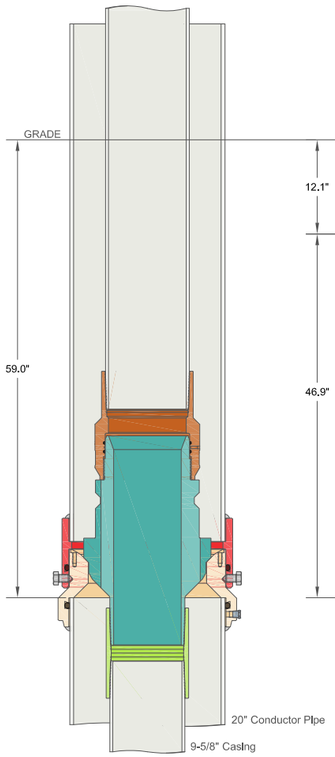
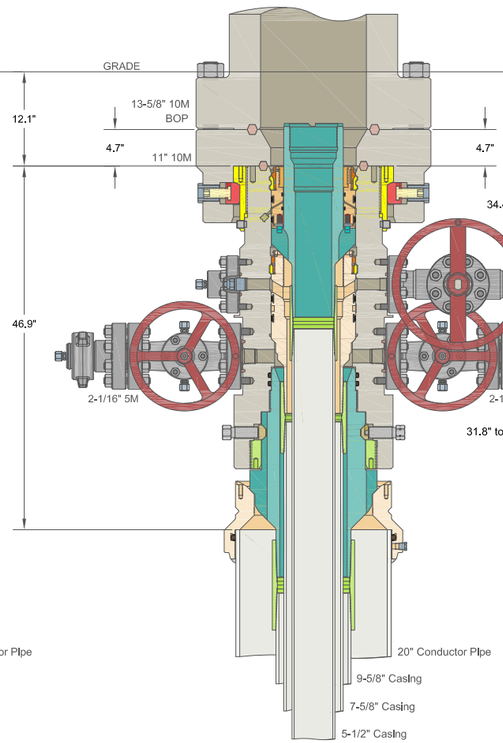
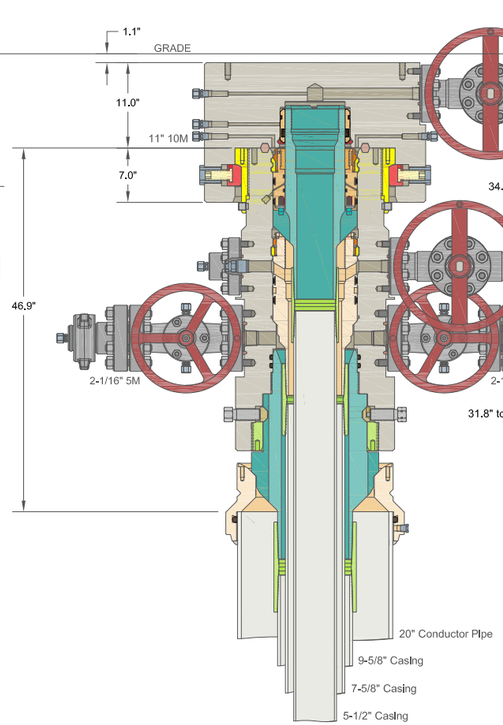
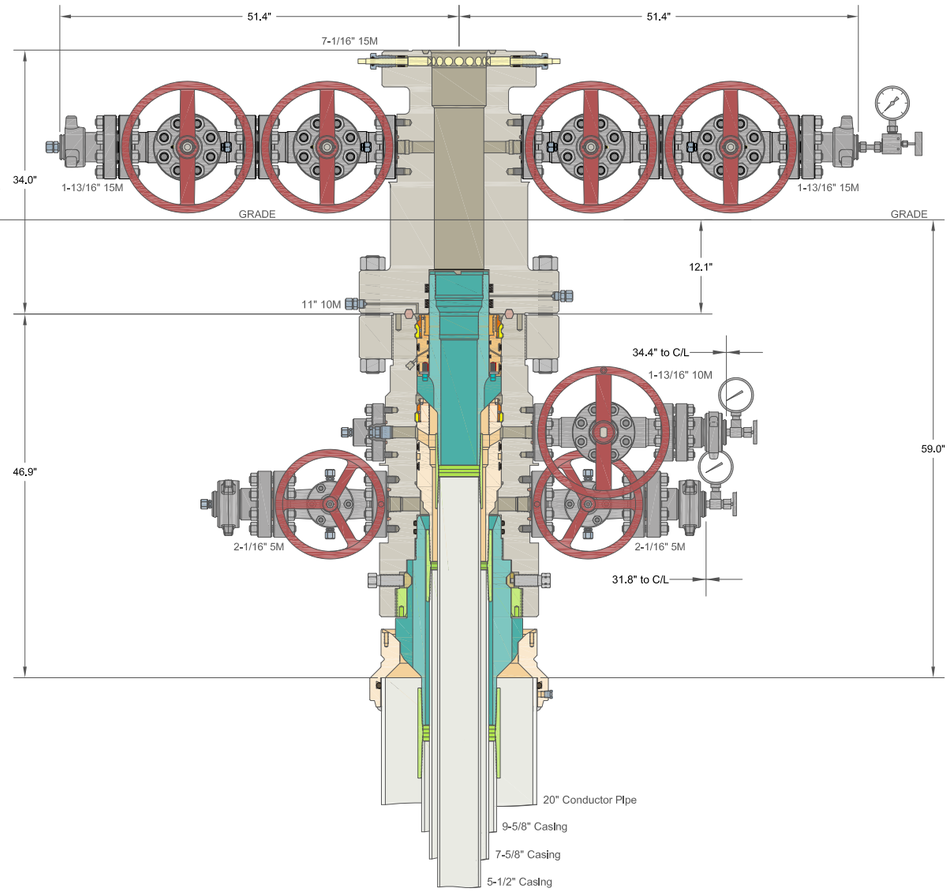








ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

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

DRAWN	VJK	31MAR22
APPRV		
DRAWING NO.	HBE0000479	

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.

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

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

Background

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

Supporting Documentation

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

Figure 1: Winch System attached to BOP Stack

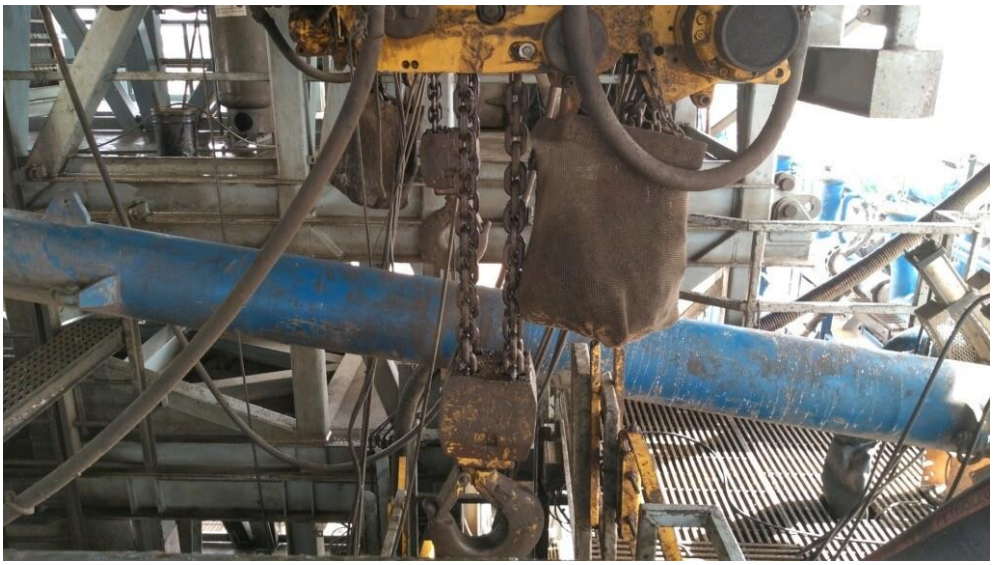


Figure 2: BOP Winch System

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

Table C.4—Initial Pressure Testing, Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[ac] psig (MPa)	Pressure Test—High Pressure[ac]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers[bd]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

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

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

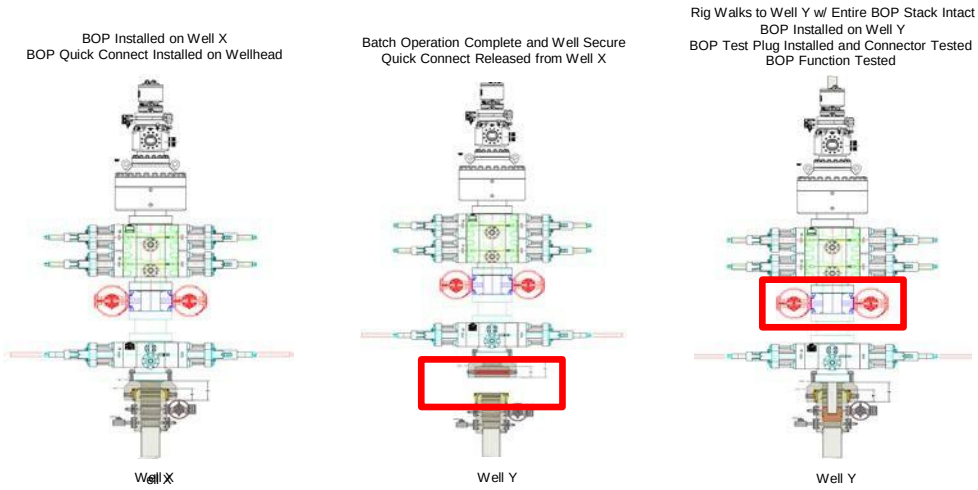
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

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

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

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



Summary

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

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

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

1. After a full BOP test is conducted on the first well on the pad.

2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

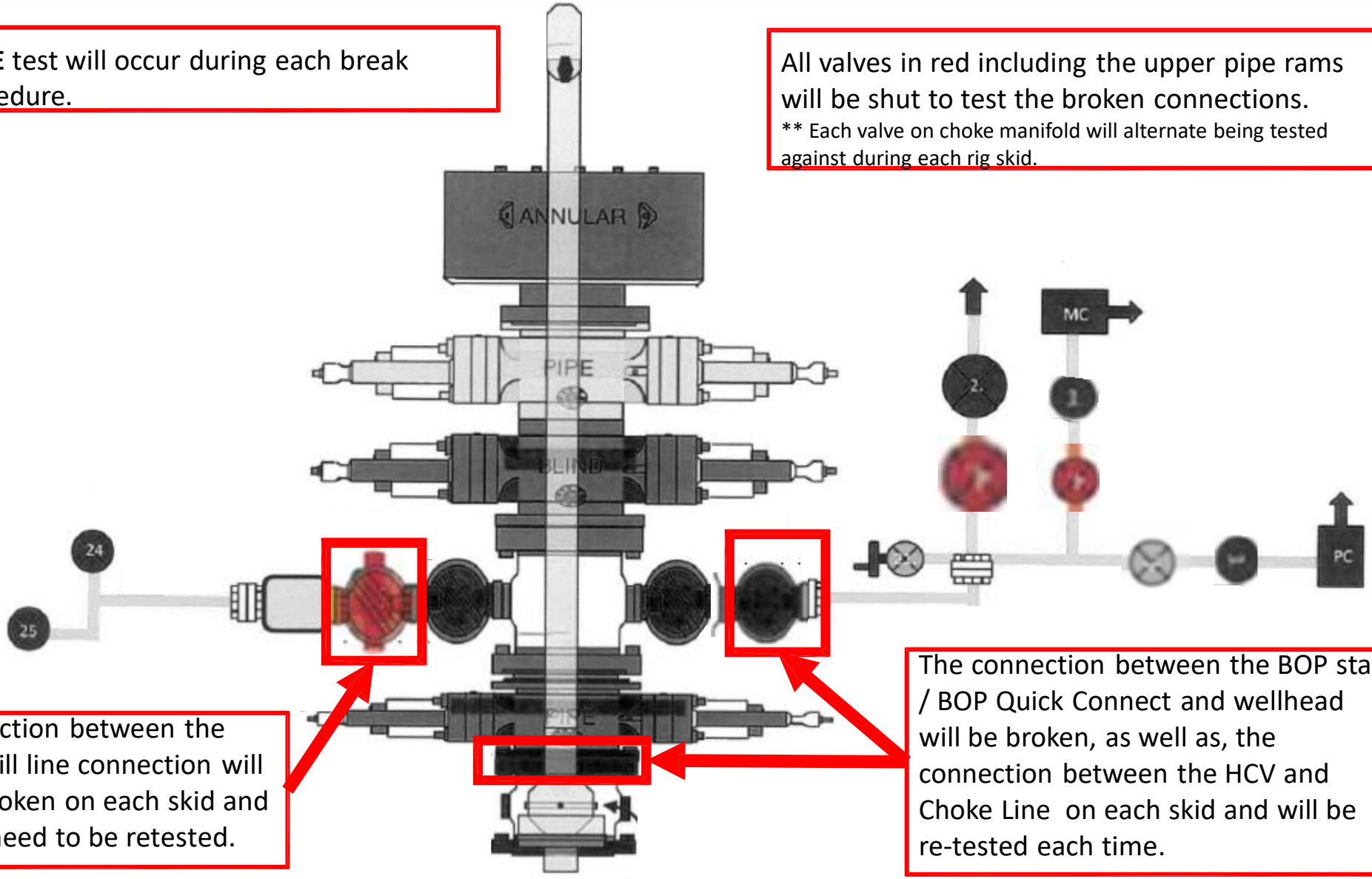
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.

** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

BLACK GOLD®

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NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

CUSTOMER:	NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA
CUSTOMER P.O.#:	15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)
CUSTOMER P/N:	IMR RETEST SN 74621 ASSET #66-1531
PART DESCRIPTION:	RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K FLANGES
SALES ORDER #:	529480
QUANTITY:	1
SERIAL #:	74621 H3-012524-1

SIGNATURE: F. OSPINOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

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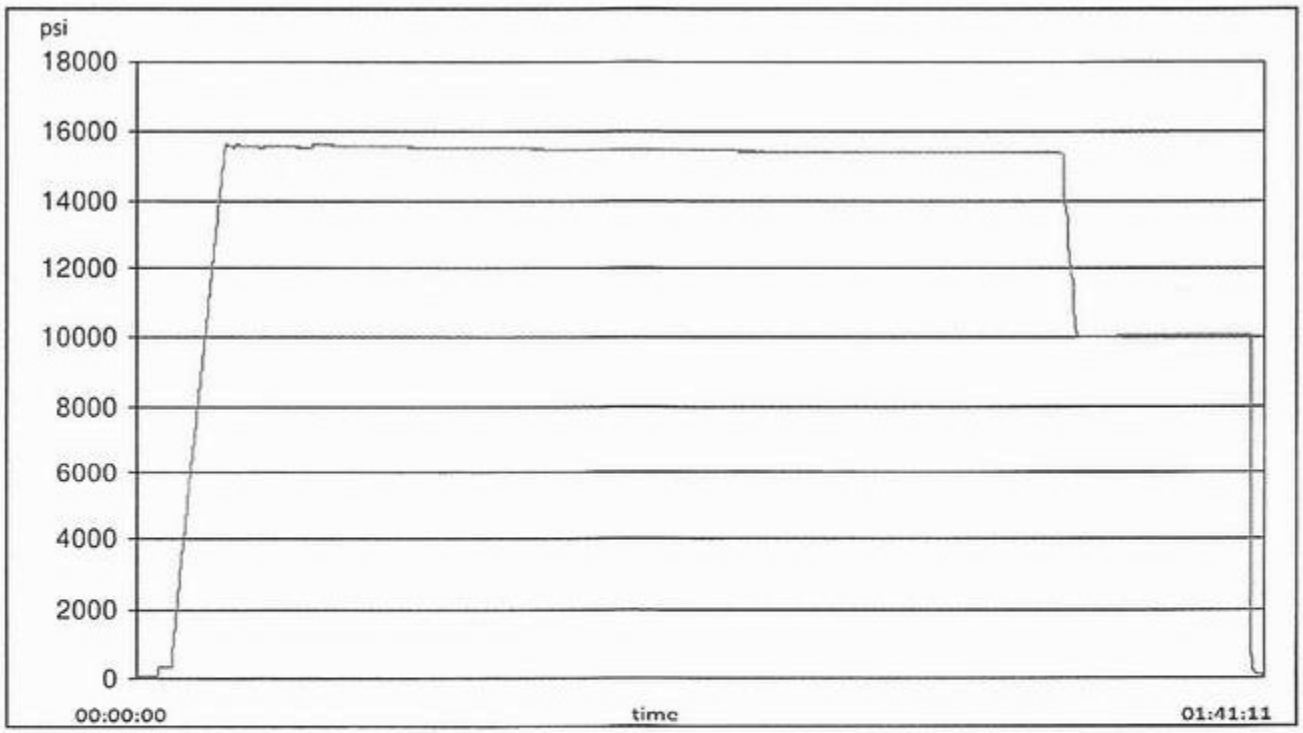
TEST REPORT

CUSTOMER			TEST OBJECT		
Company:	Nabors Industries Inc.		Serial number:	H3-012524-1	
			Lot number:		
Production description:	74621/66-1531		Description:	74621/66-1531	
Sales order #:	529480				
Customer reference:	FG1213		Hose ID:	3" 16C CK	
			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	psi			
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:					
Test operator:	Travis				



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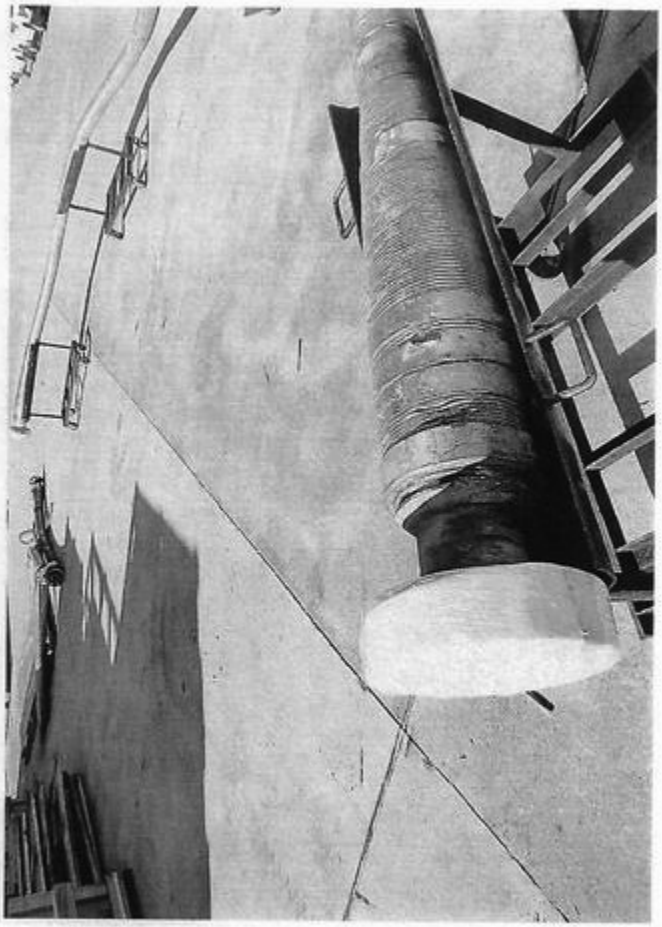
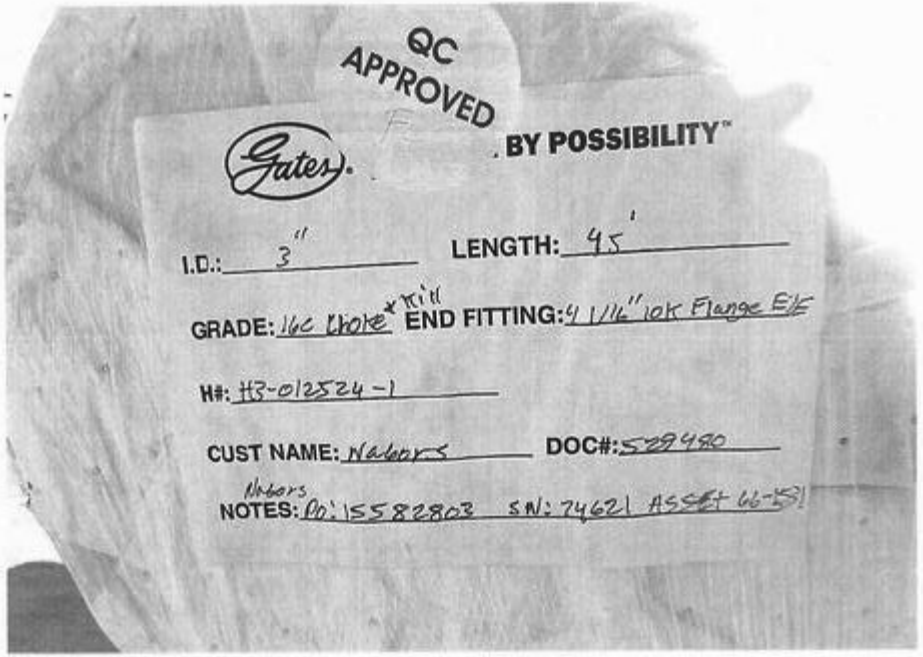
TEST REPORT

GAUGE TRACEABILITY

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

Comment





XTO Permian Operating, LLC Offline Cementing Variance Request

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

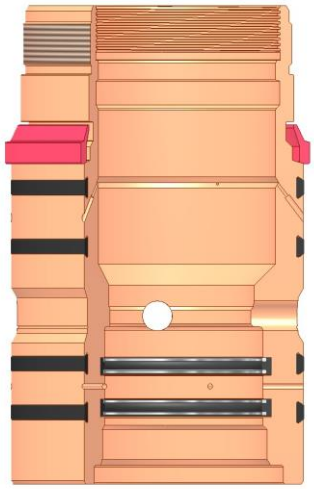
1. Cement Program

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

2. Offline Cementing Procedure

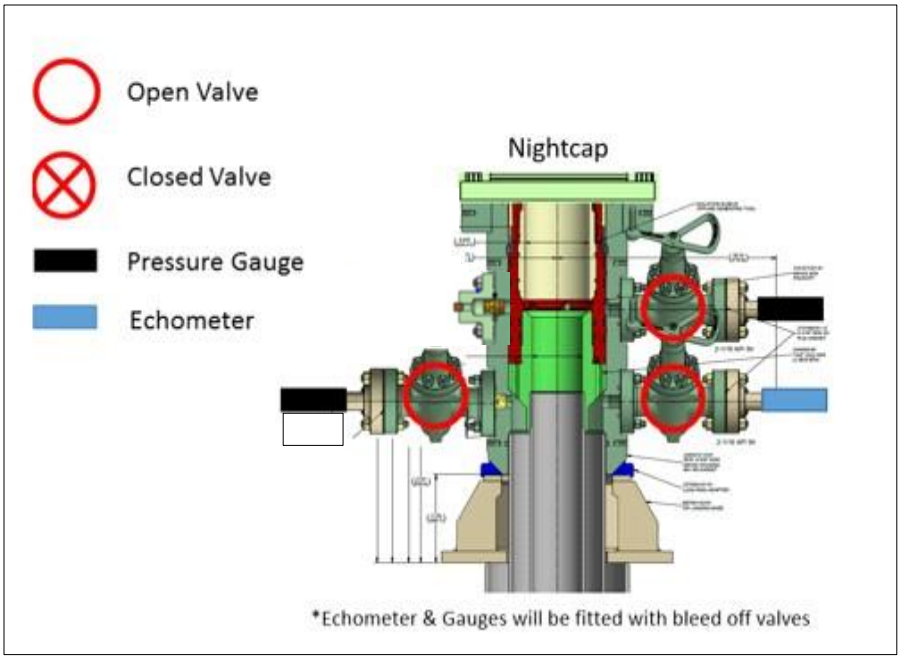
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

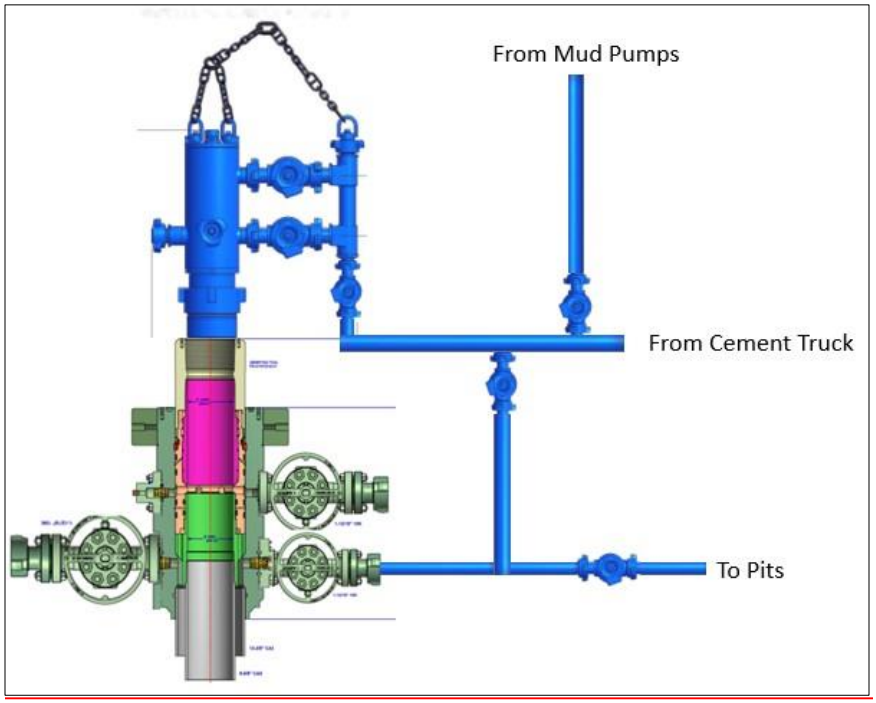
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

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. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 474010
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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