AFMSS

U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed:

APD ID:	Well Status:
APD Received Date:	Well Name:
Operator:	Well Number:

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 1 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
  -- Casing Spec Documents: 2 file(s)
  -- Casing Taperd String Specs: 1 file(s)
  -- Casing Design Assumptions and Worksheet(s): 1 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 1 file(s)
  -- Other Facets: 7 file(s)
  -- Other Variances: 4 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 1 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Well Site Layout Diagram: 2 file(s)
  -- Recontouring attachment: 3 file(s)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

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- Bond Report
- Bond Attachments
  -- None

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

Most of the information in this original permit is inaccurate or incorrect due to a more recently approved sundry appended to this document. Please refer to that sundry for the correct well details.

2. Name of Operator

9. API Well No.

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 06/18/2025

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INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws 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, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: 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 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., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Released to Imaging: 7/8/2026 10:10:46 AM

Approval Date: 06/18/2025

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Additional Operator Remarks

Location of Well

0. SHL: SESW / 1125 FSL / 1835 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.344421 / LONG: -103.836998 (TVD: 0 feet, MD: 0 feet)

PPP: NESW / 1650 FSL / 2300 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.345861 / LONG: -103.835488 (TVD: 9751 feet, MD: 10200 feet)

PPP: NESE / 1650 FSL / 0 FWL / TWSP: 22S / RANGE: 30E / SECTION: 35 / LAT: 32.345878 / LONG: -103.842936 (TVD: 9751 feet, MD: 12500 feet)

BHL: NWSE / 1650 FSL / 2625 FEL / TWSP: 22S / RANGE: 30E / SECTION: 33 / LAT: 32.34597 / LONG: -103.886115 (TVD: 9751 feet, MD: 25807 feet)

BLM Point of Contact

Name: MARIAH HUGHES
Title: Land Law Examiner
Phone: (575) 234-5972
Email: MHUGHES@BLM.GOV

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PECOS DISTRICT

SURFACE USE

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO PERMIAN RESOURCES LLC
LEASE NO.:	NMNM02952C & NMNM02953C
COUNTY:	EDDY County, New Mexico

Wells:

JAMES RANCH UNIT DI 8 WARBONNET #111H
Surface Hole Location: 1,733' FNL & 1,792' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 770' FNL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #112H
Surface Hole Location: 1,854' FNL & 1,820' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650' FNL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #113H
Surface Hole Location: 2,313' FSL & 1,591' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,530' FNL & 2,624' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #115H
Surface Hole Location: 1,050' FSL & 2,020' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 990' FSL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #116H
Surface Hole Location: 1,050' FSL & 2,050' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 330' FSL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #161H
Surface Hole Location: 1,854' FNL & 1,850' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,460' FNL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #162H
Surface Hole Location: 2,236' FSL & 1,745' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,500' FSL & 2,624' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #163H
Surface Hole Location: 1,050' FSL & 2,080' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,180' FSL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #171H
Surface Hole Location: 1,733' FNL & 1,823' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 800' FNL & 2,625' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #172H
Surface Hole Location: 2,236' FSL & 1,775' FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,120' FNL & 2,624' FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #173H

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Surface Hole Location: 2,235’ FSL & 1,805’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,840’ FSL & 2,624’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #174H
Surface Hole Location: 1,050’ FSL & 2,110’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 520’ FSL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #501H
Surface Hole Location: 1,732’ FNL & 1,547’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 330’ FNL & 2,626’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #502H
Surface Hole Location: 1,853’ FNL & 1,605’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #503H
Surface Hole Location: 2,239’ FSL & 1,500’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,310’ FSL & 2,624’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #504H
Surface Hole Location: 1,125’ FSL & 1,805’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 990’ FSL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #701H
Surface Hole Location: 1,733’ FNL & 1,577’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 330’ FNL & 2,626’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #702H
Surface Hole Location: 1,732’ FNL & 1,607’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 990’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #703H
Surface Hole Location: 1,853’ FNL & 1,635’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #704H
Surface Hole Location: 2,314’ FSL & 1,501’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,310’ FNL & 2,624’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #705H
Surface Hole Location: 2,239’ FSL & 1,530’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,310’ FSL & 2,624’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #706H
Surface Hole Location: 1,125’ FSL & 1,835’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650’ FSL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #801H
Surface Hole Location: 1,732’ FNL & 1,732’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 770’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #802H
Surface Hole Location: 1,853’ FNL & 1,665’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #803H
Surface Hole Location: 2,314’ FSL & 1,531’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,530’ FNL & 2,624’ FEL, Section 33, T. 22 S. R. 30 E.

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JAMES RANCH UNIT DI 8 WARBONNET #902H
Surface Hole Location: 1,854’ FNL & 1,790’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,210’ FNL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #903H
Surface Hole Location: 2,313’ FSL & 1,561’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,090’ FNL & 2,090’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 WARBONNET #906H
Surface Hole Location: 1,050’ FSL & 1,895’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 550’ FSL & 2,625’ FEL, Section 33, T. 22 S. R. 30 E.

JAMES RANCH UNIT DI 8 EAGLE #161H
Surface Hole Location: 1,855’ FNL & 2,065’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 330’ FNL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #163H
Surface Hole Location: 1,125’ FSL & 2,265’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2310’ FSL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #164H
Surface Hole Location: 1,125’ FSL & 2,325’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1,650’ FNL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #171H
Surface Hole Location: 1,855’ FNL & 2,095’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 990’ FNL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #172H
Surface Hole Location: 1,855’ FNL & 2,035’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 2,310’ FNL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #173H
Surface Hole Location: 1,125’ FSL & 2,295’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 1650’ FSL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

JAMES RANCH UNIT DI 8 EAGLE #174H
Surface Hole Location: 1,125’ FSL & 2,235’ FWL, Section 36, T. 22 S. R. 30 E.
Bottom Hole Location: 330’ FSL & 50’ FEL, Section 31, T. 22 S. R. 31 E.

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3. GENERAL PROVISIONS

The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the operator, or any person working on the operator's behalf, on the public or federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area (within 100ft) of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer, in conjunction with a BLM Cultural Resource Specialist, to determine appropriate actions to prevent the loss of significant scientific values. The operator shall be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

Traditional Cultural Properties (TCPs) are protected by NHPA as codified in 36 CFR 800 for possessing traditional, religious, and cultural significance tied to a certain group of individuals. Though there are currently no designated TCPs within the project area or within a mile of the project area, but it is possible for a TCP to be designated after the approval of this project. **If a TCP is designated in the project area after the project's approval, the BLM Authorized Officer will notify the operator of the following conditions and the duration for which these conditions are required.**

1. Temporary halting of all construction, drilling, and production activities to lower noise.
2. Temporary shut-off of all artificial lights at night.

The operator is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA), specifically NAGPRA Subpart B regarding discoveries, to protect human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered during project work. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and a BLM-CFO Authorized Officer will be notified immediately. The BLM will then be required to be notified, in writing, within 24 hours of the discovery. The written notification should include the geographic location by county and state, the contents of the discovery, and the steps taken to protect said discovery. You must also include any potential threats to the discovery and a conformation that all activity within 100ft of the discovery has ceased and work will not resume until written certification is issued. All work on the entire project must halt for a minimum of 3 days and work cannot resume until an Authorized Officer grants permission to do so.

Any paleontological resource discovered by the operator, or any person working on the operator's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. The operator will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

RANGELAND RESOURCES

1.1.1. **Cattleguards**

Where a permanent cattleguard is approved, an appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

1.1.2. **Fence Requirement**

Where entry granted across a fence line, the fence must be braced and tied off on both sides of the passageway prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

1.1.3. **Livestock Watering Requirement**

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA, New Mexico Department of Agriculture, and BLM requirements and policies.

1.3.1 African Rue (Peganum harmala)

Spraying: The spraying of African Rue must be completed by a licensed or certified applicator. In order to attempt to kill or remove African Rue the proper mix of chemical is needed. The mix consists of 2% Arsenal (Imazapyr) and 2% Roundup (Glyphosate) along with a nonionic surfactant. Any other chemicals or combinations shall be approved by the BLM Noxious Weeds Coordinator prior to treatment. African Rue shall be sprayed in connection to any dirt working activities or disturbances to the site being sprayed. Spraying of African Rue shall be done on immature plants at initial growth through flowering and mature plants between budding and flowering stages. Spraying shall not be conducted after flowering when plant is fruiting. This will ensure optimal intake of chemical and decrease chances of developing herbicide resistance. After spraying, the operator or necessary parties must contact the Carlsbad Field Office to inspect the effectiveness of the application treatment to the plant species. No ground disturbing activities can take place until the inspection by the authorized officer is complete. The operator may contact the Environmental Protection Department or the BLM Noxious Weed Coordinator at (575) 234-5972 or BLM_NM_CFO_NoxiousWeeds@blm.gov.

Management Practices: In addition to spraying for African Rue, good management practices should be followed. All equipment should be washed off using a power washer in a designated containment area. The containment area shall be bermed to allow for containment of the seed to prevent it from entering any open areas of the nearby landscape. The containment area shall be excavated near or adjacent to the well pad at a depth of three feet and just large enough to get equipment inside it to be washed off. This will allow all seeds to be in a centrally located area that can be treated at a later date if the need arises.

LIGHT POLLUTION

1.1.4. **Downfacing**

All permanent lighting will be pointed straight down at the ground in order to prevent light spill beyond the edge of approved surface disturbance.

1.1.5. **Shielding**

All permanent lighting will use full cutoff luminaires, which are fully shielded (i.e., not emitting direct or indirect light above an imaginary horizontal plane passing through the lowest part of the light source).

1.1.6. **Lighting Color**

Lighting shall be 3,500 Kelvin or less (Warm White) except during drilling, completion, and workover operations. No bluish-white lighting shall be used in permanent outdoor lighting.

4. SPECIAL REQUIREMENTS

WILDLIFE

2.1.1 **Lesser Prairie Chicken**

2.1.1.1 Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

2.3.1.2 Timing Limitation Exceptions:

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

2.3.1.3 Ground-level Abandoned Well Marker to avoid raptor perching:

Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov.

VISUAL RESOURCE MANAGEMENT

2.2.1 **VRM IV**

Above-ground structures including meter housing that are not subject to safety requirements are painted a flat non-reflective paint color, Shale Green from the BLM Standard Environmental Color Chart (CC-001: June 2008).

2.3. Potash Resources

Lessees must comply with the 2012Secretarial Potash Order. The Order is designed to manage the efficient development of oil, gas, and potash resources. Section 6 of the Order provides general provisions which must be followed to minimize conflict between the industries and ensure the safety of operations.

To minimize impacts to potash resources, the proposed well is confined within the boundaries of the established James Ranch Drill Island 8 Drill Island.

5. CONSTRUCTION REQUIRENMENTS

CONSTRCUTION NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and COAs on the well site and they shall be made available upon request by the Authorized Officer.

TOPSOIL

The operator shall strip the topsoil (the A horizon) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. No more than the top 6 inches of topsoil shall be removed. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (the B horizon and below) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No reserve pits will be used for drill cuttings. The operator shall properly dispose of drilling contents at an authorized disposal site.

FEDERAL MINERAL PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

WELL PAD & SURFACING

Any surfacing material used to surface the well pad will be removed at the time of interim and final reclamation.

EXCLOSURE FENCING (CELLARS & PITS)

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the well cellar is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

The operator will also install and maintain mesh netting for all open well cellars to prevent access to smaller wildlife before and after drilling operations until the well cellar is free of fluids and the operator. Use a maximum netting mesh size of 1 ½ inches. The netting must not have holes or gaps.

ON LEASE ACESS ROAD

3.1.1 **Road Width**

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

3.1.2 **Surfacing**

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements will be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

3.1.3 Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

3.1.4 Ditching

Ditching shall be required on both sides of the road.

3.1.5 Turnouts

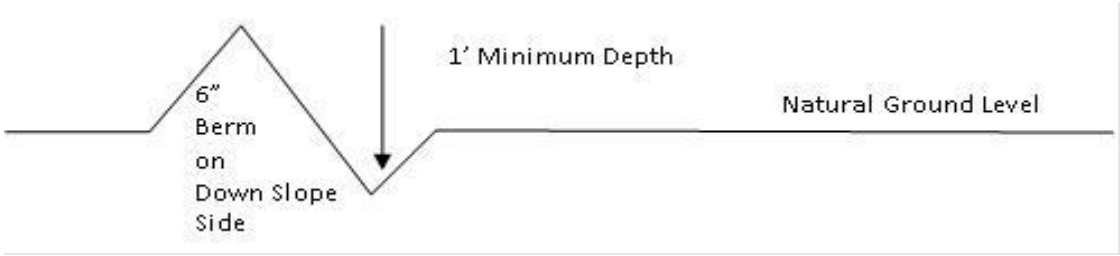
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, leadoff ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: $\frac{400'}{4}$ + 100' = 200' lead-off ditch interval

3.7.7 **Public Access**

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

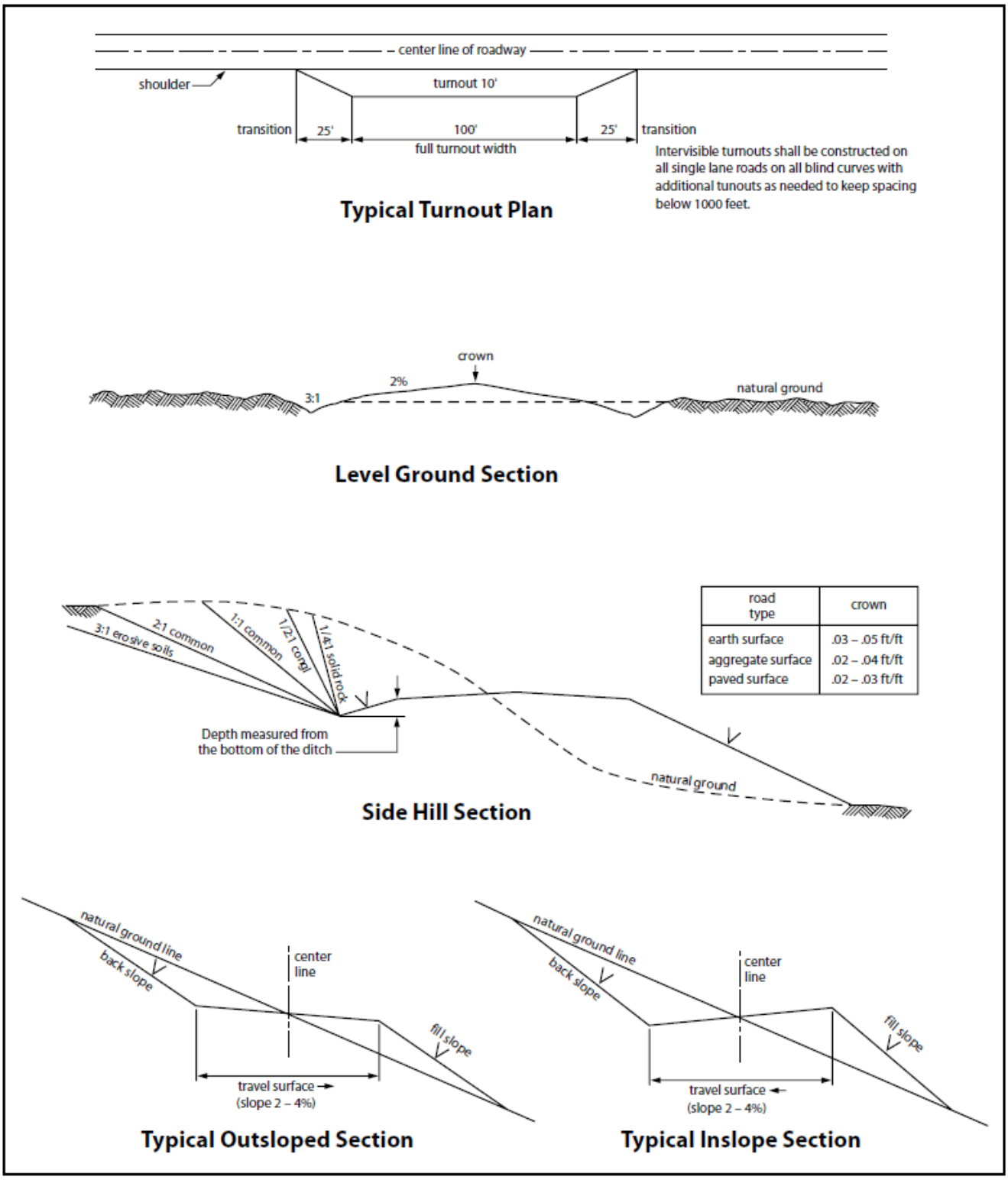


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

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7. PRODUCTION (POST DRILLING)

WELL STRUCTURES & FACILITIES

5.1.1 **Placement of Production Facilities**

Production facilities must be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

5.1.2 **Exclosure Netting (Open-top Tanks)**

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

5.1.3. Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

5.1.4. Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone*.) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

5.1.5. Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

8. RECLAMATION

Stipulations required by the Authorized Officer on specific actions may differ from the following general guidelines

6.1 ROAD AND SITE RECLAMATION

Any roads constructed during the life of the well will have the caliche removed or linear burial. If contaminants are indicated then testing will be required for chlorides and applicable contaminate anomalies for final disposal determination (disposed of in a manner approved by the Authorized Officer within Federal, State and Local statutes, regulations, and ordinances) and seeded to the specifications in sections 6.5 and 6.6.

6.2 EROSION CONTROL

Install erosion control berms, windrows, and hummocks. Windrows must be level and constructed perpendicular to down-slope drainage; steeper slopes will require greater windrow density. Topsoil between windrows must be ripped to a depth of at least 12”, unless bedrock is encountered. Any large boulders pulled up during ripping must be deep-buried on location. Ripping must be perpendicular to down-slope. The surface must be left rough in order to catch and contain rainfall on-site. Any trenches resulting from erosion cause by run-off shall be addressed immediately.

6.3 INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations must undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators must work with BLM surface protection specialists (BLM_NM_CFO_Construction_Reclamation@blm.gov) to devise the best strategies to reduce the size of the location. Interim reclamation must allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche and any other surface material is required. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided in section 6.6.

Upon completion of interim reclamation, the operator shall submit a Sundry Notice, Subsequent Report of Reclamation (Form 3160-5).

6.4 FINAL ABANDONMENT & RECLAMATION

Prior to surface abandonment, the operator shall submit a Notice of Intent Sundry Notice and reclamation plan.

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding will be accomplished by drilling on the contour whenever practical or by

other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM. After earthwork and seeding is completed, the operator is required to submit a Sundry Notice, Subsequent Report of Reclamation.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (BLM_NM_CFO_Construction_Reclamation@blm.gov).

6.5 SEEDING TECHNIQUES

Seeds shall be hydro-seeded, mechanically drilled, or broadcast, with the broadcast-seeded area raked, ripped or dragged to aid in covering the seed. The seed mixture shall be evenly and uniformly planted over the disturbed area.

6.6 SOIL SPECIFIC SEED MIXTURE

The lessee/permitee shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed land application will be accomplished by mechanical planting using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area. Smaller/heavier seeds tend to drop the bottom of the drill and are planted first; the operator shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory BLM or Soil Conservation

District stand is established as determined by the Authorized Officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding or until several months of precipitation have occurred, enabling a full four months of growth, with one or more seed generations being established.

Seed Mixture 2, for Sandy Site

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
WELL NAME & NO.:	James Ranch Unit DI 8 Warbonnet 706H
LOCATION:	36-22S-30E-NMP
COUNTY:	Eddy County, New Mexico

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Present	Medium	Waste Minimization Plan

Potash	R-111-Q Design
R-111-Q & WIPP	4-String: Engineered Weak Point

Wellhead	Casing	Cementing
Multibowl	4-String Well	DV Tool, Bradenhead, Echometer, Offline Cement, Open Annulus, Pilot Hole
Flex Hose, Break Testing	Liner, Fluid Filled, Casing Clearance	

Special Requirements

Capitan Reef, Water Disposal, COM, Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H_2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation(s). As a result, the Hydrogen Sulfide area must meet all requirements from 43 CFR 3176, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **597** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface

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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 (including 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 **9-5/8** inch 1st intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.
   - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, or potash features.

3. The minimum required fill of cement behind the **7-5/8** inch 2nd intermediate casing is **500 feet** into the previous casing but not higher than the engineered weak point and USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.).
   - Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office.
   - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, or potash features.

Bradenhead Squeeze: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**.
b. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down **Intermediate 1 X Intermediate 2** annulus. Submit results to the BLM. If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified. ***If cement does not reach surface, the next casing string must come to surface.***

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

- No displacement fluid/wash out shall be utilized at the top of the cement slurry during second stage bradenhead when running Echo-meter if cement is required to surface.
- Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

- **A monitored open annulus will be incorporated during completion by leaving the above annulus un-cemented and monitored.** Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days.**
- Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
- Pressure monitoring device and Pressure Safety Valves must be installed at surface on both the intermediate annulus and the production annulus for the life of the well.
- **In the event of a casing failure during completion,** the operator **must** contact the BLM at engineers (575-706-2779) and inspection staff (575-361-2822 Eddy County).

4. The minimum required fill of cement behind the **5-1/2** inch production casing is **500 feet** into the previous casing but not higher than the engineered weak point and USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.).
   - Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office.

C. PRESSURE CONTROL

Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

a. 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.
b. Manufacturer representative shall install the test plug for the initial BOP test.
c. 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.
d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

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. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
    a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drilling the production hole section.**
    b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
    c. 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).
    d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
    e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. 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.

D. SPECIAL REQUIREMENT(S)

Unit Wells:

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

Commercial Well Determination:

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

WIPP Notification Requirements:

The project is being drilled within one mile of the Waste Isolation Pilot Plant (WIPP). WIPP has asked BLM to request operator to report any fluid flow encountered through the Salado, especially at top of Castile Formation. Please send this information to BLM Geology in care of jrutley@blm.gov.

The proposed surface well or bottom hole is located within 330 feet of the WIPP Land Withdrawal Area boundary. As a result, the operator is required to submit daily drilling reports, logs and deviation survey information to the Bureau of Land Management Engineering Department and the

U.S. Department of Energy per requirements of the Joint Powers Agreement until a total vertical depth of 7,000 feet is reached. These reports will have at a minimum, the depth of any excess mud returns (brine flows), the rate of penetration and a clearly marked section showing the deviation for each 500-foot interval. Operator may be required to do more frequent deviation surveys based on the daily information submitted and may be required to take other corrective measures. Information will also be provided to the New Mexico Oil Conservation Division after drilling activities have been completed. Upon completion of the well, the operator shall submit a complete directional survey. Any future entry into the well for purposes of completing additional drilling will require supplemental information.

Any oil and gas well operator drilling within one mile of the WIPP Boundary must notify WIPP as soon as possible if any of the following conditions are encountered during oil and gas operations:

a) Indication of any well collision event,
b) Suspected well fluid flow (oil, gas, or produced water) outside of casing,
c) Sustained annulus pressure between the 1st intermediate and next innermost casing string in excess of 500 psi above the baseline pressure of the well, or above 1500 psi total,
d) Increasing pressure buildup rates (psi/day) across multiple successive bleed-off cycles on the annulus between the 1st intermediate and next innermost casing during well production
e) Sustained losses in excess of 50% through the salt formation during drilling.

The operator can email the required information to OilGasReports@wipp.ws. Attached files must not be greater than 20 MB. Call WIPP Tech Support at 575-234-7422, during the hours 7:00am to 4:30pm, if there are any issues sending to this address.

Offline Cementing

Offline cementing has been approved for **all hole sections, excluding production.** Contact the BLM prior to the commencement of any offline cementing procedure.

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:

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

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

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or

if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

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

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible

hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
    i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
    ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
    iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

Approved by Zota Stevens on 6/3/2025
575-234-5998 / zstevens@blm.gov

AFMSS

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

Operator Certification Data Report

10/12/2025

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: **Signed on:** 01/18/2024

Title:

Street Address:

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

Phone:

Email address:

Field

Representative Name:

Street Address:

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

Phone:

Email address:

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

Application Data
10/12/2025

APD ID: 10400096335
Submission Date: 01/18/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: JAMES RANCH UNIT DI 8 WARBONNET
Well Number: 706H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400096335
Tie to previous NOS? N
Submission Date: 01/18/2024
BLM Office: Carlsbad
User: JEAN COOPER
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM02952A
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? YES
Federal or Indian agreement: FEDERAL
Agreement number: NMNM70965X
Agreement name: JAMES RANCH UNIT
Keep application confidential? Y
Permitting Agent? NO
APD Operator: XTO PERMIAN OPERATING LLC
Operator letter of

Operator Info

Operator Organization Name: XTO PERMIAN OPERATING LLC
Operator Address: 6401 HOLIDAY HILL ROAD BLDG 5
Zip: 79707
Operator PO Box:
Operator City: MIDLAND
State: TX
Operator Phone: (432)683-2277
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: JAMES RANCH UNIT DI 8 WARBONNET
Well Number: 706H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: WC-015 G-06 S243119C
Pool Name: BONE SPRING

CONFIDENTIAL

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL,POTASH

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** JRU DI 8 WARBONNET **Number:** C

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 30 FT **Distance to lease line:** 1125 FT

Reservoir well spacing assigned acres Measurement: 480 Acres

Well plat: JRU_DI_8_WARBONNET_706H_C102_20241015111742.pdf

Well work start Date: 12/05/2024 **Duration:** 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	1125	FSL	1835	FWL	22S	30E	36	Aliquot SESW	32.344421	-103.836998	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	3302			Y
KOP Leg #1	1125	FSL	1835	FWL	22S	30E	36	Aliquot SESW	32.344421	-103.836998	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-5900	9295	9202	Y
PPP Leg #1-1	1650	FSL	2300	FWL	22S	30E	36	Aliquot NESW	32.345861	-103.835488	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-6449	10200	9751	Y

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-2	1650	FSL	0	FWL	22S	30E	35	Aliquot NESE	32.345878	-103.842936	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02952A	-6449	12500	9751	Y
EXIT Leg #1	1650	FSL	2575	FEL	22S	30E	33	Aliquot NWSE	32.345969	-103.885953	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02952	-6449	25757	9751	Y
BHL Leg #1	1650	FSL	2625	FEL	22S	30E	33	Aliquot NWSE	32.34597	-103.886115	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02952	-6449	25807	9751	Y

CONFIDENTIAL

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-	97975	WC-015 G-06 S243119C; Bone Spring

Property Code	Property Name	Well Number
	James Ranch Unit DI 8 Warbonnet	706H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,302'

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
N	36	22S	30E		1,125 FSL	1,835 FWL	32.344421	-103.836998	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	33	22S	30E		1,650 FSL	2,625 FEL	32.345970	-103.886115	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
480.00	Infill		N	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
N	36	22S	30E		1,125 FSL	1,835 FWL	32.344421	-103.836998	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
K	36	22S	30E		1,650 FSL	2,300 FWL	32.345861	-103.835488	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	33	22S	30E		1,650 FSL	2,575 FEL	32.345969	-103.885953	EDDY

Unitized Area of Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM-070965X		3,302'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Srinivas Naveen — 10/15/2024

Signature — Date

Srinivas Naveen Laghuvarapu

Printed Name

srinivas.n.laghuvarapu@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

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

9/17/2024 — Date of Survey

DN

618.013002.09-24

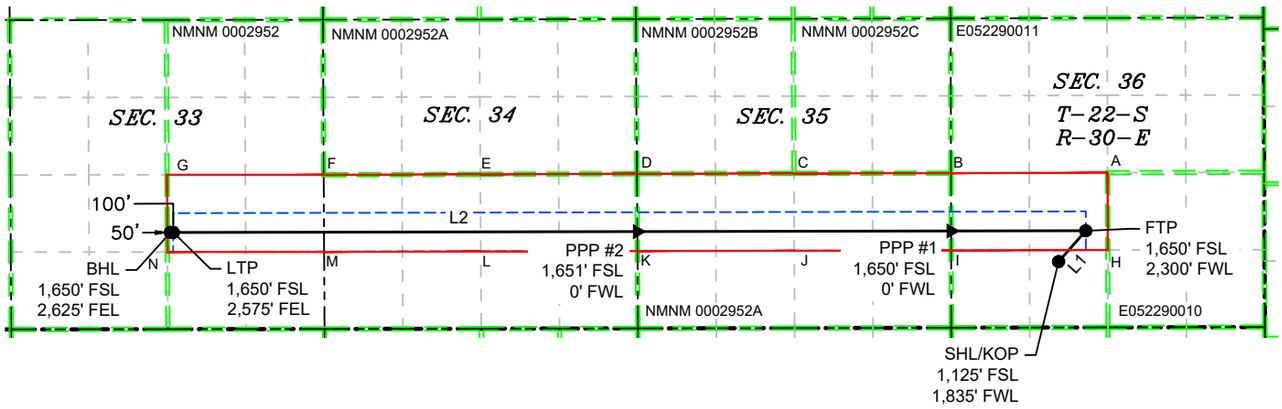
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

P:\618.013 XTO Energy - NM\002 James Ranch Unit\.09 - DI 8 - EDDY\Wells\-24 - W 706H\DWG\WEST 706H C-102.dwg

ACREAGE DEDICATION PLATS

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

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



LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	041°24'27"	701.24'
L2	269°53'33"	15,634.77'

LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	489,387.5	N	Y =	489,327.3	N
X =	694,618.4	E	X =	653,436.4	E
LAT. =	32.344421	°N	LAT. =	32.344298	°N
LONG. =	103.836998	°W	LONG. =	103.836506	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	489,913.5	N	Y =	489,853.2	N
X =	695,082.2	E	X =	653,900.2	E
LAT. =	32.345861	°N	LAT. =	32.345738	°N
LONG. =	103.835488	°W	LONG. =	103.834996	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	489,909.1	N	Y =	489,848.9	N
X =	692,782.2	E	X =	651,600.2	E
LAT. =	32.345878	°N	LAT. =	32.345755	°N
LONG. =	103.842936	°W	LONG. =	103.842444	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	489,899.1	N	Y =	489,838.8	N
X =	687,423.2	E	X =	646,241.3	E
LAT. =	32.345917	°N	LAT. =	32.345794	°N
LONG. =	103.860289	°W	LONG. =	103.859796	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	489,884.2	N	Y =	489,823.7	N
X =	679,497.5	E	X =	638,315.4	E
LAT. =	32.345969	°N	LAT. =	32.345846	°N
LONG. =	103.885953	°W	LONG. =	103.885460	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	489,884.1	N	Y =	489,823.6	N
X =	679,447.4	E	X =	638,265.4	E
LAT. =	32.345970	°N	LAT. =	32.345846	°N
LONG. =	103.886115	°W	LONG. =	103.885622	°W

CORNER COORDINATES (NAD 83 NME)					
A - Y =	490,904.4	N	A - X =	695,453.8	E
B - Y =	490,896.8	N	B - X =	692,779.9	E
C - Y =	490,891.5	N	C - X =	690,097.4	E
D - Y =	490,886.2	N	D - X =	687,416.5	E
E - Y =	490,877.4	N	E - X =	684,741.7	E
F - Y =	490,868.5	N	F - X =	682,066.2	E
G - Y =	490,868.0	N	G - X =	679,392.2	E
H - Y =	489,584.3	N	H - X =	695,458.2	E
I - Y =	489,577.8	N	I - X =	692,783.0	E
J - Y =	489,572.1	N	J - X =	690,103.8	E
K - Y =	489,566.8	N	K - X =	687,424.7	E
L - Y =	489,559.7	N	L - X =	684,749.9	E
M - Y =	489,553.2	N	M - X =	682,074.0	E
N - Y =	489,551.0	N	N - X =	679,399.2	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	490,844.2	N	A - X =	654,271.8	E
B - Y =	490,836.5	N	B - X =	651,597.9	E
C - Y =	490,831.2	N	C - X =	648,915.4	E
D - Y =	490,825.8	N	D - X =	646,234.6	E
E - Y =	490,817.0	N	E - X =	643,559.7	E
F - Y =	490,808.0	N	F - X =	640,884.2	E
G - Y =	490,807.5	N	G - X =	638,210.2	E
H - Y =	489,524.1	N	H - X =	654,276.1	E
I - Y =	489,517.5	N	I - X =	651,601.0	E
J - Y =	489,511.8	N	J - X =	648,921.8	E
K - Y =	489,506.5	N	K - X =	646,242.7	E
L - Y =	489,499.4	N	L - X =	643,568.0	E
M - Y =	489,492.7	N	M - X =	640,892.0	E
N - Y =	489,490.6	N	N - X =	638,217.2	E

DN 618.013002.09-24

J:\618.013 XTO Energy - NM\002 James Ranch Unit\09 - DI 8 - EDDY\Wells\-24 - W 706H\DWG\WEST 706H C-102.dwg

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

Drilling Plan Data Report
10/12/2025

APD ID: 10400096335
Submission Date: 01/18/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: JAMES RANCH UNIT DI 8 WARBONNET
Well Number: 706H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
15881061	QUATERNARY	3302	0	0	ALLUVIUM	USEABLE WATER	N
15881062	RUSTLER	2986	316	316	ANHYDRITE, SANDSTONE	USEABLE WATER	N
15881063	SALADO	2680	622	622	SALT	POTASH	N
15881064	BASE OF SALT	-314	3616	3616	SALT	POTASH	N
15881065	DELAWARE	-556	3858	3858	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15881073	BRUSHY CANYON	-3184	6486	6486	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15881066	BONE SPRING	-4382	7684	7684	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15881070	BONE SPRING 1ST	-5426	8728	8728	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15881072	BONE SPRING 2ND	-6258	9560	9560	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15881074	BONE SPRING 2ND	-6399	9701	9701	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9751

Equipment: Once the permanent WH is installed on the surface casing, the BOP equipment will have a 5M Hydril Annular & a 10M Triple Ram BOP. XTO will use a Multi-Bowl System which is attached
Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose: See Attached. XTO requests a variance to be able to batch drill this well if necessary. XTO request a break test variance: See Attached. XTO requests a variance to utilize a spudder rig: See Attached.
Testing Procedure: All BOP testing will be done by an independent service company. Operator will test as per 43 CFR 3172.
Choke Diagram Attachment:

JRU_DI_8_Warbonnet_Eagle_10MCM_20250228092437.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

JRU_DI_8_Warbonnet_Eagle_10MCM_20250228092437.pdf

BOP Diagram Attachment:

JRU_DI_8_Warbonnet_Eagle_5M10M_BOP_20250228092622.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	597	0	597	3302	2705	597	J-55	54.5	BUTT	4.28	2.46	DRY	26.22	DRY	26.22
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3716	0	3716	3302	-414	3716	J-55	40	BUTT	2.27	1.76	DRY	4.24	DRY	4.24
3	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	9860	0	9649	3302	-6347	9860	L-80	29.7	FJ	3.68	2.35	DRY	2.26	DRY	2.26
4	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	25807	0	9751	3302	-6449	25807	P-110	20	OTHER - TPN/Wedge 441	2.19	1.05	DRY	4.25	DRY	4.25

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

TPN__5.500_20.00_0.361_P110_ICY_20250228100414.pdf

Wedge_441__5.500__20.00_0.361_P110_ICY_20250228100412.pdf

Tapered String Spec:

JRU_DI_8_WARBONNET_706H_Csg_20250228101445.pdf

Casing Design Assumptions and Worksheet(s):

JRU_DI_8_WARBONNET_706H_Csg_20250228101514.pdf

Section 4 - Cement

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	597	220	1.87	12.9	411.4	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	597	300	1.35	14.8	405	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	3716	1530	1.39	12.9	2126.7	100	Class C	NA
INTERMEDIATE	Tail		0	3716	130	1.35	14.8	175.5	100	Class C	2% CaCl
INTERMEDIATE	Lead		3516	6486	390	1.33	14.8	518.7	100	Class C	NA
INTERMEDIATE	Tail		6486	9860	310	1.35	14.8	418.5	100	Class C	NA
PRODUCTION	Lead		8800	9300	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		9300	25807	1180	1.51	13.2	1781.8	30	VersaCem	NA

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: Spud with fresh water/native mud. Drill out from under surface casing with Saturated Salt solution. Saturated Salt mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system

Circulating Medium Table

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
597	3716	SALT SATURATED	10.5	11							
9860	25807	OIL-BASED MUD	10	10.5							
3716	9860	OTHER : BDE/OBM	8.6	9.1							
0	597	WATER-BASED MUD	8.5	9							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.
Open hole logging will not be done on this well.

List of open and cased hole logs run in the well:

GAMMA RAY LOG,CEMENT BOND LOG,DIRECTIONAL SURVEY,MEASUREMENT WHILE DRILLING,MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

No coring is planned for the well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5324 **Anticipated Surface Pressure:** 3178

Anticipated Bottom Hole Temperature(F): 185

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240823112606.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

JRU_DI_8_WARBONNET_706H_DD_20231214201344.pdf

Other proposed operations facets description:

XTO Permian Operating LLC will abide by R-111-Q and monitor separation Distance to offsets and maintain a Separation Factor greater than 1.0 while drilling through the salt intervals. For blind or inclination only wells, XTO Permian Operating LLC will maintain greater than 300 center-to-center separation.

Other proposed operations facets attachment:

JRU_DI_8_WARBONNET_706H_Cmt_20240402140226.pdf
JRU_DI_8_Warbonnet_Eagle_MBS_20240823113946.pdf
JRU_DI_8_Warbonnet_Eagle_H2S_DiaC_20241015113820.pdf
JRU_DI_8_Warbonnet_Eagle_H2S_DiaA_20241015113825.pdf
JRU_DI_8_Warbonnet_Eagle_H2S_DiaB_20241015113826.pdf
4_String_Design_with_Engineered_weak_point_and_Pop_Valve_20250305153554.pdf
NGMPForm___JRU_DI_8_Warbonnet_Updated_20250305153557.pdf

Other Variance request(s)?: Y

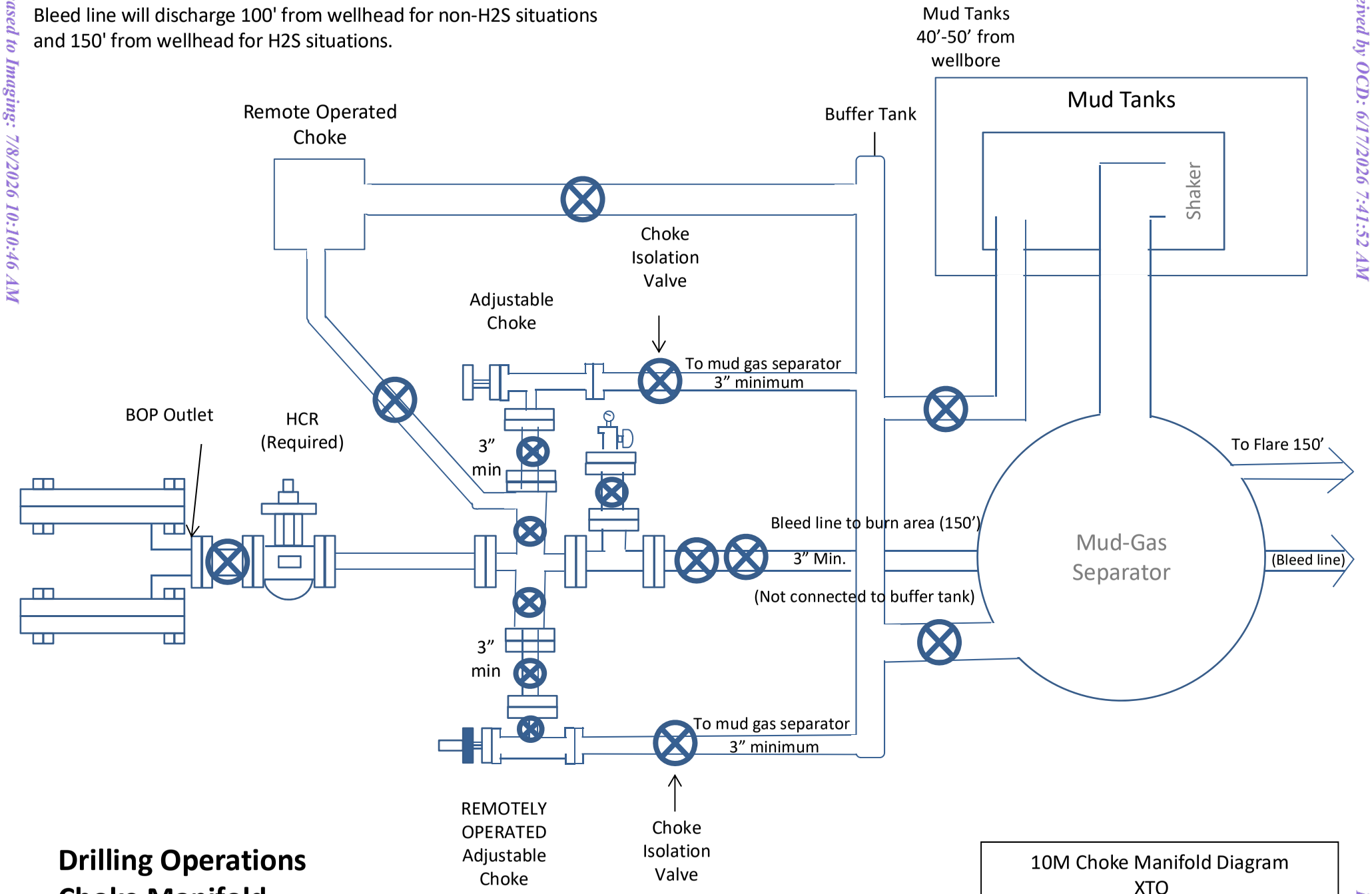
Other Variance attachment:

JRU_DI_8_Warbonnet_Eagle_OLCV_20231208045721.pdf
Spudder_Rig_Request_20240823113538.pdf
Updated_Flex_Hose_20240823113540.pdf
BOP_Break_Test_Variance_20241015113912.pdf

CONFIDENTIAL

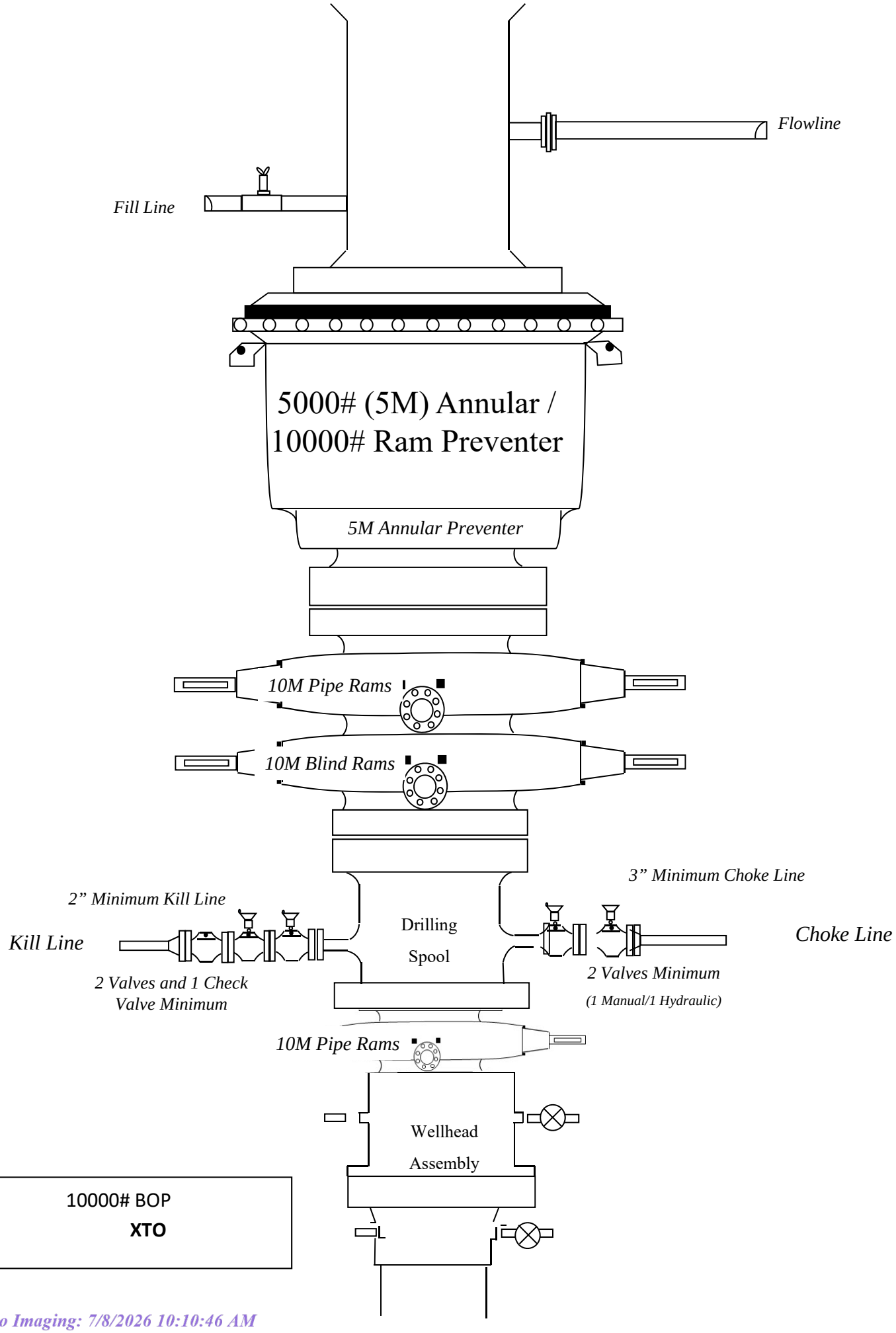
Released to Imaging: 7/8/2026 10:10:46 AM
Received by OCD: 6/17/2026 7:41:52 AM

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



10000# BOP

XTO

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

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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Tenaris

TPN™



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: **-**

Customer	XTO ENERGY INC.	**Wall Thickness**	0.361 in.	**Grade**	P110-ICY
Outside Diameter	5.500 in.	**Pipe Body Drift**	API Standard	**Type**	Casing
Min. Wall Thickness	87.50 %				
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	6.300 in.	**Tension Efficiency**	100 %	**Minimum**	21,100 ft-lb
Coupling Length	8.408 in.	**Joint Yield Strength**	729 x1000 lb	**Optimum**	22,600 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	14,360 psi	**Maximum**	24,100 ft-lb
Make-up Loss	4.204 in.	**Compression Efficiency**	100 %		
Threads per inch	5	**Compression Strength**	729 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	104 °/100 ft	**Operating Torque**	29,300 ft-lb
		External Pressure Capacity	12,300 psi	**Yield Torque**	32,500 ft-lb

Notes

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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PI-0/CII-3

Casing Assumptions

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 597'	13.375	54.5	J-55	BTC	New	2.46	4.28	26.22
12.25	0' – 3716'	9.625	40	J-55	BTC	New	1.76	2.27	4.24
8.75	0' – 3816'	7.625	29.7	RY P-110	Flush Joint	New	3.23	3.14	1.91
8.75	3816' – 9860'	7.625	29.7	HC L-80	Flush Joint	New	2.35	3.68	2.26
6.75	0' – 9760'	5.5	20	RY P-110 ICY	Semi-Premium/TPN	New	1.05	2.19	2.05
6.75	9760' - 25807'	5.5	20	RY P-110 ICY	Semi-Flush/Wedge 441	New	1.05	2.19	4.25

Casing Assumptions

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 597'	13.375	54.5	J-55	BTC	New	2.46	4.28	26.22
12.25	0' – 3716'	9.625	40	J-55	BTC	New	1.76	2.27	4.24
8.75	0' – 3816'	7.625	29.7	RY P-110	Flush Joint	New	3.23	3.14	1.91
8.75	3816' – 9860'	7.625	29.7	HC L-80	Flush Joint	New	2.35	3.68	2.26
6.75	0' – 9760'	5.5	20	RY P-110 ICY	Semi-Premium/TPN	New	1.05	2.19	2.05
6.75	9760' - 25807'	5.5	20	RY P-110 ICY	Semi-Flush/Wedge 441	New	1.05	2.19	4.25

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H_2S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
  - Detection of H_2S, and
  - Measures for protection against the gas,
  - Equipment used for protection and emergency response.

Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = I	2 ppm	N/A	1000 ppm

Contacting Authorities

All XTO location personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

CARLSBAD OFFICE – EDDY & LEA COUNTIES

3104 E. Greene St., Carlsbad, NM 88220
Carlsbad, NM 575-887-7329

XTO PERSONNEL:

Will Dacus, Drilling Manager	832-948-5021
Brian Dunn, Drilling Supervisor	832-653-0490
Robert Bartels, Construction Execution Planner	406-478-3617
Andy Owens, EH & S Manager	903-245-2602
Frank Fuentes, Production Foreman	575-689-3363

SHERIFF DEPARTMENTS:

Eddy County	575-887-7551
Lea County	575-396-3611

NEW MEXICO STATE POLICE: 575-392-5588

FIRE DEPARTMENTS: 911

Carlsbad	575-885-2111
Eunice	575-394-2111
Hobbs	575-397-9308
Jal	575-395-2221
Lovington	575-396-2359

HOSPITALS: 911

Carlsbad Medical Emergency	575-885-2111
Eunice Medical Emergency	575-394-2112
Hobbs Medical Emergency	575-397-9308
Jal Medical Emergency	575-395-2221
Lovington Medical Emergency	575-396-2359

AGENT NOTIFICATIONS:

For Lea County:

Bureau of Land Management – Hobbs	575-393-3612
New Mexico Oil Conservation Division – Hobbs	575-393-6161

For Eddy County:

Bureau of Land Management - Carlsbad	575-234-5972
New Mexico Oil Conservation Division - Artesia	575-748-1283

XTO Energy

EDDY COUNTY, NM (NAD-27 / NME)
JAMES RANCH UNIT DI 8 WARBONNET
706H

OH

Plan: PERMIT

Standard Planning Report

13 November, 2023

Released to Imaging: 7/8/2026 10:10:46 AM

Received by OCD: 6/17/2026 7:41:52 AM

Project: EDDY COUNTY, NM (NAD-27 / NME)
Site: JAMES RANCH UNIT DI 8 WARBONNET
Well: 706H
Wellbore: OH
Design: PERMIT

WELL DETAILS: 706H

Rig Name: TBD
RKB = 32' @ 3334.00usft (TBD)
Ground Level: 3302.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	489327.30	653436.40	32.3442981	-103.8365060

SECTION DETAILS

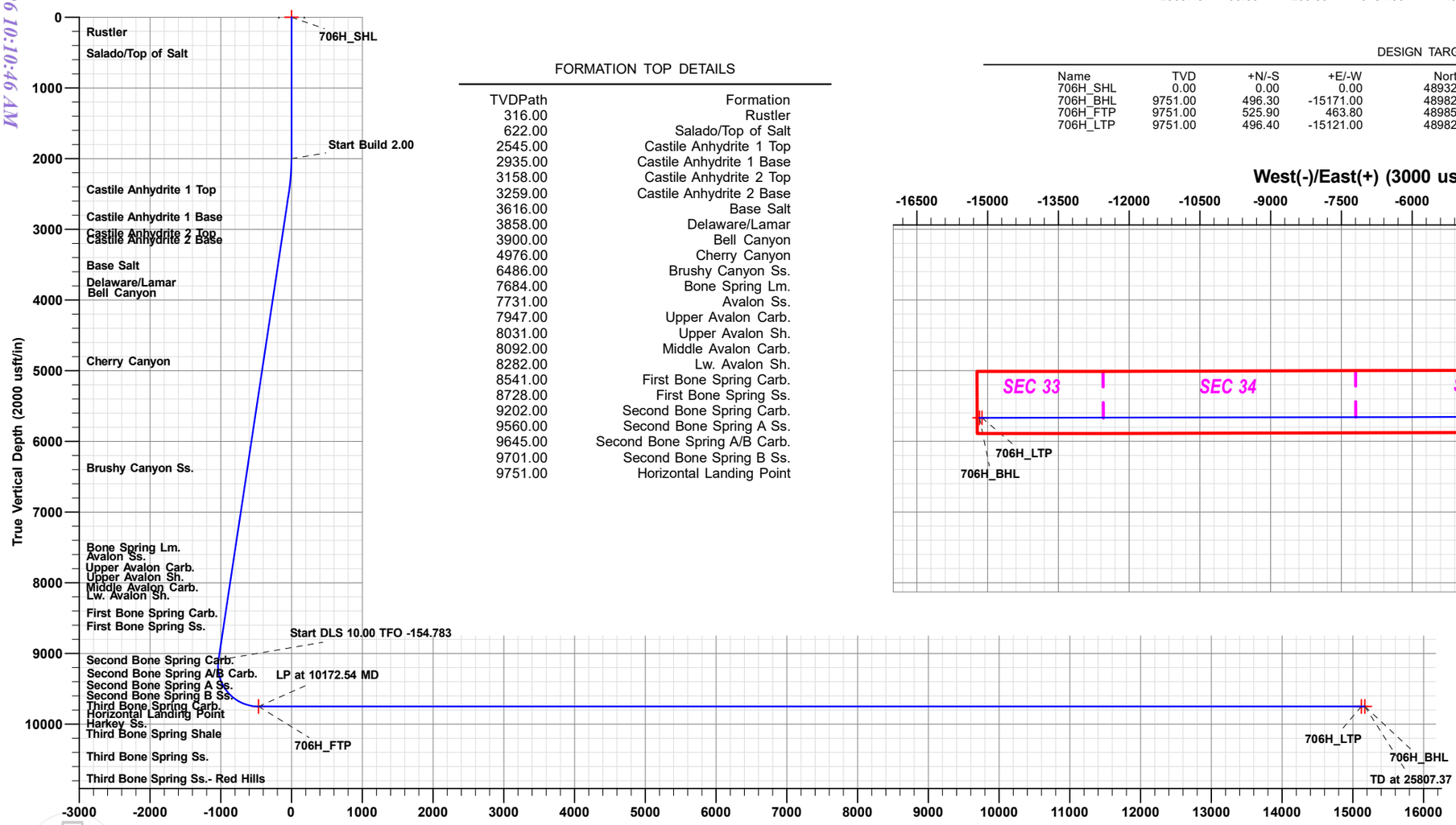
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00	
3	2470.74	9.41	64.97	2468.63	16.32	34.97	2.00	64.973	-35.00	
4	9187.23	9.41	64.97	9094.64	481.12	1030.50	0.00	0.000	-1031.43	
5	10172.54	90.00	269.89	9751.00	525.90	463.80	10.00	-154.783	-464.81	706H_FTP
6	25757.37	90.00	269.89	9751.00	496.39	-15121.00	0.00	0.000	15120.02	706H_LTP
7	25807.37	90.00	269.89	9751.00	496.30	-15171.00	0.00	0.000	15170.02	706H_BHL

FORMATION TOP DETAILS

TVDPath	Formation
316.00	Rustler
622.00	Salado/Top of Salt
2545.00	Castile Anhydrite 1 Top
2935.00	Castile Anhydrite 1 Base
3158.00	Castile Anhydrite 2 Top
3259.00	Castile Anhydrite 2 Base
3616.00	Base Salt
3858.00	Delaware/Lamar
3900.00	Bell Canyon
4976.00	Cherry Canyon
6486.00	Brushy Canyon Ss.
7684.00	Bone Spring Lm.
7731.00	Avalon Ss.
7947.00	Upper Avalon Carb.
8031.00	Upper Avalon Sh.
8092.00	Middle Avalon Carb.
8282.00	Lw. Avalon Sh.
8541.00	First Bone Spring Carb.
8728.00	First Bone Spring Ss.
9202.00	Second Bone Spring Carb.
9560.00	Second Bone Spring A Ss.
9645.00	Second Bone Spring A/B Carb.
9701.00	Second Bone Spring B Ss.
9751.00	Horizontal Landing Point

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
706H_SHL	0.00	0.00	0.00	489327.30	653436.40	32.3442981	-103.8365060
706H_BHL	9751.00	496.30	-15171.00	489823.60	638265.40	32.3458462	-103.8856216
706H_FTP	9751.00	525.90	463.80	489853.20	653900.20	32.3457378	-103.8349963
706H_LTP	9751.00	496.40	-15121.00	489823.70	638315.40	32.3458459	-103.8854597



PROJECT DETAILS: EDDY COUNTY, NM (NAD-27 / NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

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Plan: PERMIT (706H/OH)

Created By: Matthew May Date: 9:09, November 13 2023

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Project EDDY COUNTY, NM (NAD-27 / NME)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site JAMES RANCH UNIT DI 8 WARBONNET

Site Position:		**Northing:**	491,748.80 usft	**Latitude:**	32.3509550
From:	Map	**Easting:**	653,387.60 usft	**Longitude:**	-103.8366276
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.266 °

Well 706H

Well Position	**+N/-S**	-2,421.50 usft	**Northing:**	489,327.30 usft	**Latitude:**	32.3442981
	+E/-W	48.80 usft	**Easting:**	653,436.40 usft	**Longitude:**	-103.8365060
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,302.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/08/23	6.396	59.891	47,289

Design PERMIT

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.89

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,470.74	9.41	64.97	2,468.63	16.32	34.97	2.00	2.00	0.00	64.973	
9,187.23	9.41	64.97	9,094.64	481.12	1,030.50	0.00	0.00	0.00	0.000	
10,172.55	90.00	269.89	9,751.00	525.90	463.80	10.00	8.18	-15.74	-154.783	706H_FTP
25,757.37	90.00	269.89	9,751.00	496.39	-15,121.00	0.00	0.00	0.00	0.000	706H_LTP
25,807.37	90.00	269.89	9,751.00	496.30	-15,171.00	0.00	0.00	0.00	0.000	706H_BHL

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706H_SHL									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
316.00	0.00	0.00	316.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
622.00	0.00	0.00	622.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado/Top of Salt									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	64.97	2,099.98	0.74	1.58	-1.58	2.00	2.00	0.00
2,200.00	4.00	64.97	2,199.84	2.95	6.32	-6.33	2.00	2.00	0.00
2,300.00	6.00	64.97	2,299.45	6.64	14.22	-14.23	2.00	2.00	0.00
2,400.00	8.00	64.97	2,398.70	11.79	25.26	-25.28	2.00	2.00	0.00
2,470.74	9.41	64.97	2,468.63	16.32	34.97	-35.00	2.00	2.00	0.00
2,500.00	9.41	64.97	2,497.49	18.35	39.30	-39.34	0.00	0.00	0.00
2,548.16	9.41	64.97	2,545.00	21.68	46.44	-46.48	0.00	0.00	0.00
Castile Anhydrite 1 Top									
2,600.00	9.41	64.97	2,596.14	25.27	54.13	-54.17	0.00	0.00	0.00
2,700.00	9.41	64.97	2,694.80	32.19	68.95	-69.01	0.00	0.00	0.00
2,800.00	9.41	64.97	2,793.45	39.11	83.77	-83.84	0.00	0.00	0.00
2,900.00	9.41	64.97	2,892.10	46.03	98.59	-98.68	0.00	0.00	0.00
2,943.48	9.41	64.97	2,935.00	49.04	105.04	-105.13	0.00	0.00	0.00
Castile Anhydrite 1 Base									
3,000.00	9.41	64.97	2,990.76	52.95	113.41	-113.52	0.00	0.00	0.00
3,100.00	9.41	64.97	3,089.41	59.87	128.24	-128.35	0.00	0.00	0.00
3,169.53	9.41	64.97	3,158.00	64.68	138.54	-138.67	0.00	0.00	0.00
Castile Anhydrite 2 Top									
3,200.00	9.41	64.97	3,188.06	66.79	143.06	-143.19	0.00	0.00	0.00
3,271.91	9.41	64.97	3,259.00	71.77	153.72	-153.85	0.00	0.00	0.00
Castile Anhydrite 2 Base									
3,300.00	9.41	64.97	3,286.71	73.71	157.88	-158.02	0.00	0.00	0.00
3,400.00	9.41	64.97	3,385.37	80.63	172.70	-172.86	0.00	0.00	0.00
3,500.00	9.41	64.97	3,484.02	87.55	187.53	-187.69	0.00	0.00	0.00
3,600.00	9.41	64.97	3,582.67	94.47	202.35	-202.53	0.00	0.00	0.00
3,633.78	9.41	64.97	3,616.00	96.81	207.36	-207.54	0.00	0.00	0.00
Base Salt									

XTO ENERGY

Planning Report

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Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,700.00	9.41	64.97	3,681.33	101.39	217.17	-217.36	0.00	0.00	0.00
3,800.00	9.41	64.97	3,779.98	108.31	231.99	-232.20	0.00	0.00	0.00
3,879.09	9.41	64.97	3,858.00	113.78	243.71	-243.93	0.00	0.00	0.00
Delaware/Lamar									
3,900.00	9.41	64.97	3,878.63	115.23	246.81	-247.04	0.00	0.00	0.00
3,921.66	9.41	64.97	3,900.00	116.73	250.03	-250.25	0.00	0.00	0.00
Bell Canyon									
4,000.00	9.41	64.97	3,977.29	122.15	261.64	-261.87	0.00	0.00	0.00
4,100.00	9.41	64.97	4,075.94	129.07	276.46	-276.71	0.00	0.00	0.00
4,200.00	9.41	64.97	4,174.59	135.99	291.28	-291.54	0.00	0.00	0.00
4,300.00	9.41	64.97	4,273.24	142.91	306.10	-306.38	0.00	0.00	0.00
4,400.00	9.41	64.97	4,371.90	149.83	320.93	-321.21	0.00	0.00	0.00
4,500.00	9.41	64.97	4,470.55	156.75	335.75	-336.05	0.00	0.00	0.00
4,600.00	9.41	64.97	4,569.20	163.67	350.57	-350.88	0.00	0.00	0.00
4,700.00	9.41	64.97	4,667.86	170.59	365.39	-365.72	0.00	0.00	0.00
4,800.00	9.41	64.97	4,766.51	177.51	380.22	-380.56	0.00	0.00	0.00
4,900.00	9.41	64.97	4,865.16	184.43	395.04	-395.39	0.00	0.00	0.00
5,000.00	9.41	64.97	4,963.81	191.35	409.86	-410.23	0.00	0.00	0.00
5,012.35	9.41	64.97	4,976.00	192.21	411.69	-412.06	0.00	0.00	0.00
Cherry Canyon									
5,100.00	9.41	64.97	5,062.47	198.27	424.68	-425.06	0.00	0.00	0.00
5,200.00	9.41	64.97	5,161.12	205.19	439.50	-439.90	0.00	0.00	0.00
5,300.00	9.41	64.97	5,259.77	212.11	454.33	-454.73	0.00	0.00	0.00
5,400.00	9.41	64.97	5,358.43	219.03	469.15	-469.57	0.00	0.00	0.00
5,500.00	9.41	64.97	5,457.08	225.96	483.97	-484.40	0.00	0.00	0.00
5,600.00	9.41	64.97	5,555.73	232.88	498.79	-499.24	0.00	0.00	0.00
5,700.00	9.41	64.97	5,654.39	239.80	513.62	-514.08	0.00	0.00	0.00
5,800.00	9.41	64.97	5,753.04	246.72	528.44	-528.91	0.00	0.00	0.00
5,900.00	9.41	64.97	5,851.69	253.64	543.26	-543.75	0.00	0.00	0.00
6,000.00	9.41	64.97	5,950.34	260.56	558.08	-558.58	0.00	0.00	0.00
6,100.00	9.41	64.97	6,049.00	267.48	572.91	-573.42	0.00	0.00	0.00
6,200.00	9.41	64.97	6,147.65	274.40	587.73	-588.25	0.00	0.00	0.00
6,300.00	9.41	64.97	6,246.30	281.32	602.55	-603.09	0.00	0.00	0.00
6,400.00	9.41	64.97	6,344.96	288.24	617.37	-617.92	0.00	0.00	0.00
6,500.00	9.41	64.97	6,443.61	295.16	632.19	-632.76	0.00	0.00	0.00
6,542.97	9.41	64.97	6,486.00	298.13	638.56	-639.13	0.00	0.00	0.00
Brushy Canyon Ss.									
6,600.00	9.41	64.97	6,542.26	302.08	647.02	-647.60	0.00	0.00	0.00
6,700.00	9.41	64.97	6,640.92	309.00	661.84	-662.43	0.00	0.00	0.00
6,800.00	9.41	64.97	6,739.57	315.92	676.66	-677.27	0.00	0.00	0.00
6,900.00	9.41	64.97	6,838.22	322.84	691.48	-692.10	0.00	0.00	0.00
7,000.00	9.41	64.97	6,936.87	329.76	706.31	-706.94	0.00	0.00	0.00
7,100.00	9.41	64.97	7,035.53	336.68	721.13	-721.77	0.00	0.00	0.00
7,200.00	9.41	64.97	7,134.18	343.60	735.95	-736.61	0.00	0.00	0.00
7,300.00	9.41	64.97	7,232.83	350.52	750.77	-751.44	0.00	0.00	0.00
7,400.00	9.41	64.97	7,331.49	357.44	765.60	-766.28	0.00	0.00	0.00
7,500.00	9.41	64.97	7,430.14	364.36	780.42	-781.12	0.00	0.00	0.00
7,600.00	9.41	64.97	7,528.79	371.28	795.24	-795.95	0.00	0.00	0.00
7,700.00	9.41	64.97	7,627.45	378.20	810.06	-810.79	0.00	0.00	0.00
7,757.33	9.41	64.97	7,684.00	382.17	818.56	-819.29	0.00	0.00	0.00
Bone Spring Lm.									
7,800.00	9.41	64.97	7,726.10	385.12	824.88	-825.62	0.00	0.00	0.00
7,804.97	9.41	64.97	7,731.00	385.46	825.62	-826.36	0.00	0.00	0.00

XTO ENERGY

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Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Avalon Ss.									
7,900.00	9.41	64.97	7,824.75	392.04	839.71	-840.46	0.00	0.00	0.00
8,000.00	9.41	64.97	7,923.40	398.96	854.53	-855.29	0.00	0.00	0.00
8,023.92	9.41	64.97	7,947.00	400.61	858.07	-858.84	0.00	0.00	0.00
Upper Avalon Carb.									
8,100.00	9.41	64.97	8,022.06	405.88	869.35	-870.13	0.00	0.00	0.00
8,109.07	9.41	64.97	8,031.00	406.51	870.69	-871.47	0.00	0.00	0.00
Upper Avalon Sh.									
8,170.90	9.41	64.97	8,092.00	410.79	879.86	-880.65	0.00	0.00	0.00
Middle Avalon Carb.									
8,200.00	9.41	64.97	8,120.71	412.80	884.17	-884.96	0.00	0.00	0.00
8,300.00	9.41	64.97	8,219.36	419.72	899.00	-899.80	0.00	0.00	0.00
8,363.49	9.41	64.97	8,282.00	424.11	908.41	-909.22	0.00	0.00	0.00
Lw. Avalon Sh.									
8,400.00	9.41	64.97	8,318.02	426.64	913.82	-914.64	0.00	0.00	0.00
8,500.00	9.41	64.97	8,416.67	433.56	928.64	-929.47	0.00	0.00	0.00
8,600.00	9.41	64.97	8,515.32	440.48	943.46	-944.31	0.00	0.00	0.00
8,626.03	9.41	64.97	8,541.00	442.28	947.32	-948.17	0.00	0.00	0.00
First Bone Spring Carb.									
8,700.00	9.41	64.97	8,613.98	447.40	958.28	-959.14	0.00	0.00	0.00
8,800.00	9.41	64.97	8,712.63	454.32	973.11	-973.98	0.00	0.00	0.00
8,815.58	9.41	64.97	8,728.00	455.40	975.42	-976.29	0.00	0.00	0.00
First Bone Spring Ss.									
8,900.00	9.41	64.97	8,811.28	461.24	987.93	-988.81	0.00	0.00	0.00
9,000.00	9.41	64.97	8,909.93	468.16	1,002.75	-1,003.65	0.00	0.00	0.00
9,100.00	9.41	64.97	9,008.59	475.08	1,017.57	-1,018.48	0.00	0.00	0.00
9,187.23	9.41	64.97	9,094.64	481.12	1,030.50	-1,031.43	0.00	0.00	0.00
9,200.00	8.28	61.19	9,107.26	482.00	1,032.26	-1,033.18	10.00	-8.91	-29.61
9,250.00	4.59	29.35	9,156.95	485.48	1,036.39	-1,037.32	10.00	-7.38	-63.68
9,295.17	4.59	330.34	9,202.00	488.63	1,036.38	-1,037.32	10.00	0.01	-130.64
Second Bone Spring Carb.									
9,300.00	4.85	325.36	9,206.81	488.97	1,036.17	-1,037.11	10.00	5.30	-103.16
9,350.00	8.71	297.02	9,256.47	492.43	1,031.59	-1,032.54	10.00	7.73	-56.68
9,400.00	13.35	287.02	9,305.53	495.84	1,022.70	-1,023.65	10.00	9.27	-20.01
9,450.00	18.18	282.18	9,353.64	499.17	1,009.55	-1,010.50	10.00	9.66	-9.68
9,500.00	23.08	279.33	9,400.42	502.41	992.25	-993.21	10.00	9.80	-5.70
9,550.00	28.01	277.44	9,445.52	505.52	970.92	-971.89	10.00	9.87	-3.78
9,600.00	32.96	276.08	9,488.60	508.48	945.74	-946.71	10.00	9.90	-2.72
9,650.00	37.93	275.04	9,529.32	511.27	916.89	-917.87	10.00	9.93	-2.08
9,690.01	41.90	274.36	9,560.00	513.37	891.31	-892.29	10.00	9.94	-1.70
Second Bone Spring A Ss.									
9,700.00	42.90	274.20	9,567.38	513.87	884.59	-885.57	10.00	9.95	-1.53
9,750.00	47.87	273.51	9,602.49	516.25	849.09	-850.08	10.00	9.95	-1.38
9,800.00	52.85	272.93	9,634.38	518.41	810.66	-811.65	10.00	9.96	-1.18
9,817.97	54.64	272.73	9,645.00	519.12	796.19	-797.18	10.00	9.96	-1.07
Second Bone Spring A/B Carb.									
9,850.00	57.83	272.41	9,662.80	520.32	769.59	-770.59	10.00	9.96	-1.01
9,900.00	62.82	271.95	9,687.55	521.96	726.19	-727.19	10.00	9.97	-0.92
9,931.11	65.92	271.68	9,701.00	522.85	698.16	-699.17	10.00	9.97	-0.86
Second Bone Spring B Ss.									
9,950.00	67.80	271.53	9,708.42	523.34	680.80	-681.80	10.00	9.97	-0.82
10,000.00	72.79	271.13	9,725.28	524.42	633.75	-634.76	10.00	9.97	-0.79
10,050.00	77.78	270.76	9,737.98	525.22	585.41	-586.42	10.00	9.97	-0.75

Released to Imaging: 7/8/2026 10:10:46 AM

XTO ENERGY

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Well:	706H	**Survey Calculation Method:**	Minimum Curvature
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Design:	PERMIT		

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,100.00	82.76	270.40	9,746.42	525.72	536.15	-537.16	10.00	9.97	-0.72
10,150.00	87.75	270.05	9,750.56	525.91	486.34	-487.35	10.00	9.98	-0.70
10,172.55	90.00	269.89	9,751.00	525.90	463.80	-464.81	10.00	9.98	-0.70
Horizontal Landing Point - 706H_FTP									
10,200.00	90.00	269.89	9,751.00	525.85	436.34	-437.35	0.00	0.00	0.00
10,300.00	90.00	269.89	9,751.00	525.66	336.35	-337.35	0.00	0.00	0.00
10,400.00	90.00	269.89	9,751.00	525.47	236.35	-237.35	0.00	0.00	0.00
10,500.00	90.00	269.89	9,751.00	525.28	136.35	-137.35	0.00	0.00	0.00
10,600.00	90.00	269.89	9,751.00	525.09	36.35	-37.35	0.00	0.00	0.00
10,700.00	90.00	269.89	9,751.00	524.90	-63.65	62.65	0.00	0.00	0.00
10,800.00	90.00	269.89	9,751.00	524.71	-163.65	162.65	0.00	0.00	0.00
10,900.00	90.00	269.89	9,751.00	524.52	-263.65	262.65	0.00	0.00	0.00
11,000.00	90.00	269.89	9,751.00	524.33	-363.65	362.65	0.00	0.00	0.00
11,100.00	90.00	269.89	9,751.00	524.14	-463.65	462.65	0.00	0.00	0.00
11,200.00	90.00	269.89	9,751.00	523.95	-563.65	562.65	0.00	0.00	0.00
11,300.00	90.00	269.89	9,751.00	523.77	-663.65	662.65	0.00	0.00	0.00
11,400.00	90.00	269.89	9,751.00	523.58	-763.65	762.65	0.00	0.00	0.00
11,500.00	90.00	269.89	9,751.00	523.39	-863.65	862.65	0.00	0.00	0.00
11,600.00	90.00	269.89	9,751.00	523.20	-963.65	962.65	0.00	0.00	0.00
11,700.00	90.00	269.89	9,751.00	523.01	-1,063.65	1,062.65	0.00	0.00	0.00
11,800.00	90.00	269.89	9,751.00	522.82	-1,163.65	1,162.65	0.00	0.00	0.00
11,900.00	90.00	269.89	9,751.00	522.63	-1,263.65	1,262.65	0.00	0.00	0.00
12,000.00	90.00	269.89	9,751.00	522.44	-1,363.65	1,362.65	0.00	0.00	0.00
12,100.00	90.00	269.89	9,751.00	522.25	-1,463.65	1,462.65	0.00	0.00	0.00
12,200.00	90.00	269.89	9,751.00	522.06	-1,563.65	1,562.65	0.00	0.00	0.00
12,300.00	90.00	269.89	9,751.00	521.87	-1,663.65	1,662.65	0.00	0.00	0.00
12,400.00	90.00	269.89	9,751.00	521.68	-1,763.65	1,762.65	0.00	0.00	0.00
12,500.00	90.00	269.89	9,751.00	521.49	-1,863.65	1,862.65	0.00	0.00	0.00
12,600.00	90.00	269.89	9,751.00	521.30	-1,963.65	1,962.65	0.00	0.00	0.00
12,700.00	90.00	269.89	9,751.00	521.12	-2,063.65	2,062.65	0.00	0.00	0.00
12,800.00	90.00	269.89	9,751.00	520.93	-2,163.65	2,162.65	0.00	0.00	0.00
12,900.00	90.00	269.89	9,751.00	520.74	-2,263.65	2,262.65	0.00	0.00	0.00
13,000.00	90.00	269.89	9,751.00	520.55	-2,363.65	2,362.65	0.00	0.00	0.00
13,100.00	90.00	269.89	9,751.00	520.36	-2,463.65	2,462.65	0.00	0.00	0.00
13,200.00	90.00	269.89	9,751.00	520.17	-2,563.65	2,562.65	0.00	0.00	0.00
13,300.00	90.00	269.89	9,751.00	519.98	-2,663.65	2,662.65	0.00	0.00	0.00
13,400.00	90.00	269.89	9,751.00	519.79	-2,763.65	2,762.65	0.00	0.00	0.00
13,500.00	90.00	269.89	9,751.00	519.60	-2,863.65	2,862.65	0.00	0.00	0.00
13,600.00	90.00	269.89	9,751.00	519.41	-2,963.65	2,962.65	0.00	0.00	0.00
13,700.00	90.00	269.89	9,751.00	519.22	-3,063.65	3,062.65	0.00	0.00	0.00
13,800.00	90.00	269.89	9,751.00	519.03	-3,163.65	3,162.65	0.00	0.00	0.00
13,900.00	90.00	269.89	9,751.00	518.84	-3,263.65	3,262.65	0.00	0.00	0.00
14,000.00	90.00	269.89	9,751.00	518.65	-3,363.65	3,362.65	0.00	0.00	0.00
14,100.00	90.00	269.89	9,751.00	518.46	-3,463.65	3,462.65	0.00	0.00	0.00
14,200.00	90.00	269.89	9,751.00	518.28	-3,563.65	3,562.65	0.00	0.00	0.00
14,300.00	90.00	269.89	9,751.00	518.09	-3,663.65	3,662.65	0.00	0.00	0.00
14,400.00	90.00	269.89	9,751.00	517.90	-3,763.65	3,762.65	0.00	0.00	0.00
14,500.00	90.00	269.89	9,751.00	517.71	-3,863.65	3,862.65	0.00	0.00	0.00
14,600.00	90.00	269.89	9,751.00	517.52	-3,963.65	3,962.65	0.00	0.00	0.00
14,700.00	90.00	269.89	9,751.00	517.33	-4,063.65	4,062.65	0.00	0.00	0.00
14,800.00	90.00	269.89	9,751.00	517.14	-4,163.65	4,162.65	0.00	0.00	0.00
14,900.00	90.00	269.89	9,751.00	516.95	-4,263.65	4,262.65	0.00	0.00	0.00
15,000.00	90.00	269.89	9,751.00	516.76	-4,363.65	4,362.65	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,100.00	90.00	269.89	9,751.00	516.57	-4,463.65	4,462.65	0.00	0.00	0.00
15,200.00	90.00	269.89	9,751.00	516.38	-4,563.65	4,562.65	0.00	0.00	0.00
15,300.00	90.00	269.89	9,751.00	516.19	-4,663.65	4,662.65	0.00	0.00	0.00
15,400.00	90.00	269.89	9,751.00	516.00	-4,763.65	4,762.65	0.00	0.00	0.00
15,500.00	90.00	269.89	9,751.00	515.81	-4,863.65	4,862.65	0.00	0.00	0.00
15,600.00	90.00	269.89	9,751.00	515.62	-4,963.65	4,962.65	0.00	0.00	0.00
15,700.00	90.00	269.89	9,751.00	515.44	-5,063.65	5,062.65	0.00	0.00	0.00
15,800.00	90.00	269.89	9,751.00	515.25	-5,163.65	5,162.65	0.00	0.00	0.00
15,900.00	90.00	269.89	9,751.00	515.06	-5,263.64	5,262.65	0.00	0.00	0.00
16,000.00	90.00	269.89	9,751.00	514.87	-5,363.64	5,362.65	0.00	0.00	0.00
16,100.00	90.00	269.89	9,751.00	514.68	-5,463.64	5,462.65	0.00	0.00	0.00
16,200.00	90.00	269.89	9,751.00	514.49	-5,563.64	5,562.65	0.00	0.00	0.00
16,300.00	90.00	269.89	9,751.00	514.30	-5,663.64	5,662.65	0.00	0.00	0.00
16,400.00	90.00	269.89	9,751.00	514.11	-5,763.64	5,762.65	0.00	0.00	0.00
16,500.00	90.00	269.89	9,751.00	513.92	-5,863.64	5,862.65	0.00	0.00	0.00
16,600.00	90.00	269.89	9,751.00	513.73	-5,963.64	5,962.65	0.00	0.00	0.00
16,700.00	90.00	269.89	9,751.00	513.54	-6,063.64	6,062.65	0.00	0.00	0.00
16,800.00	90.00	269.89	9,751.00	513.35	-6,163.64	6,162.65	0.00	0.00	0.00
16,900.00	90.00	269.89	9,751.00	513.16	-6,263.64	6,262.65	0.00	0.00	0.00
17,000.00	90.00	269.89	9,751.00	512.97	-6,363.64	6,362.65	0.00	0.00	0.00
17,100.00	90.00	269.89	9,751.00	512.78	-6,463.64	6,462.65	0.00	0.00	0.00
17,200.00	90.00	269.89	9,751.00	512.60	-6,563.64	6,562.65	0.00	0.00	0.00
17,300.00	90.00	269.89	9,751.00	512.41	-6,663.64	6,662.65	0.00	0.00	0.00
17,400.00	90.00	269.89	9,751.00	512.22	-6,763.64	6,762.65	0.00	0.00	0.00
17,500.00	90.00	269.89	9,751.00	512.03	-6,863.64	6,862.65	0.00	0.00	0.00
17,600.00	90.00	269.89	9,751.00	511.84	-6,963.64	6,962.65	0.00	0.00	0.00
17,700.00	90.00	269.89	9,751.00	511.65	-7,063.64	7,062.65	0.00	0.00	0.00
17,800.00	90.00	269.89	9,751.00	511.46	-7,163.64	7,162.65	0.00	0.00	0.00
17,900.00	90.00	269.89	9,751.00	511.27	-7,263.64	7,262.65	0.00	0.00	0.00
18,000.00	90.00	269.89	9,751.00	511.08	-7,363.64	7,362.65	0.00	0.00	0.00
18,100.00	90.00	269.89	9,751.00	510.89	-7,463.64	7,462.65	0.00	0.00	0.00
18,200.00	90.00	269.89	9,751.00	510.70	-7,563.64	7,562.65	0.00	0.00	0.00
18,300.00	90.00	269.89	9,751.00	510.51	-7,663.64	7,662.65	0.00	0.00	0.00
18,400.00	90.00	269.89	9,751.00	510.32	-7,763.64	7,762.65	0.00	0.00	0.00
18,500.00	90.00	269.89	9,751.00	510.13	-7,863.64	7,862.65	0.00	0.00	0.00
18,600.00	90.00	269.89	9,751.00	509.95	-7,963.64	7,962.65	0.00	0.00	0.00
18,700.00	90.00	269.89	9,751.00	509.76	-8,063.64	8,062.65	0.00	0.00	0.00
18,800.00	90.00	269.89	9,751.00	509.57	-8,163.64	8,162.65	0.00	0.00	0.00
18,900.00	90.00	269.89	9,751.00	509.38	-8,263.64	8,262.65	0.00	0.00	0.00
19,000.00	90.00	269.89	9,751.00	509.19	-8,363.64	8,362.65	0.00	0.00	0.00
19,100.00	90.00	269.89	9,751.00	509.00	-8,463.64	8,462.65	0.00	0.00	0.00
19,200.00	90.00	269.89	9,751.00	508.81	-8,563.64	8,562.65	0.00	0.00	0.00
19,300.00	90.00	269.89	9,751.00	508.62	-8,663.64	8,662.65	0.00	0.00	0.00
19,400.00	90.00	269.89	9,751.00	508.43	-8,763.64	8,762.65	0.00	0.00	0.00
19,500.00	90.00	269.89	9,751.00	508.24	-8,863.64	8,862.65	0.00	0.00	0.00
19,600.00	90.00	269.89	9,751.00	508.05	-8,963.64	8,962.65	0.00	0.00	0.00
19,700.00	90.00	269.89	9,751.00	507.86	-9,063.64	9,062.65	0.00	0.00	0.00
19,800.00	90.00	269.89	9,751.00	507.67	-9,163.64	9,162.65	0.00	0.00	0.00
19,900.00	90.00	269.89	9,751.00	507.48	-9,263.64	9,262.65	0.00	0.00	0.00
20,000.00	90.00	269.89	9,751.00	507.29	-9,363.64	9,362.65	0.00	0.00	0.00
20,100.00	90.00	269.89	9,751.00	507.11	-9,463.64	9,462.65	0.00	0.00	0.00
20,200.00	90.00	269.89	9,751.00	506.92	-9,563.64	9,562.65	0.00	0.00	0.00
20,300.00	90.00	269.89	9,751.00	506.73	-9,663.64	9,662.65	0.00	0.00	0.00
20,400.00	90.00	269.89	9,751.00	506.54	-9,763.64	9,762.65	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,500.00	90.00	269.89	9,751.00	506.35	-9,863.64	9,862.65	0.00	0.00	0.00
20,600.00	90.00	269.89	9,751.00	506.16	-9,963.64	9,962.65	0.00	0.00	0.00
20,700.00	90.00	269.89	9,751.00	505.97	-10,063.64	10,062.65	0.00	0.00	0.00
20,800.00	90.00	269.89	9,751.00	505.78	-10,163.64	10,162.65	0.00	0.00	0.00
20,900.00	90.00	269.89	9,751.00	505.59	-10,263.64	10,262.65	0.00	0.00	0.00
21,000.00	90.00	269.89	9,751.00	505.40	-10,363.64	10,362.65	0.00	0.00	0.00
21,100.00	90.00	269.89	9,751.00	505.21	-10,463.64	10,462.65	0.00	0.00	0.00
21,200.00	90.00	269.89	9,751.00	505.02	-10,563.64	10,562.65	0.00	0.00	0.00
21,300.00	90.00	269.89	9,751.00	504.83	-10,663.64	10,662.65	0.00	0.00	0.00
21,400.00	90.00	269.89	9,751.00	504.64	-10,763.64	10,762.65	0.00	0.00	0.00
21,500.00	90.00	269.89	9,751.00	504.45	-10,863.64	10,862.65	0.00	0.00	0.00
21,600.00	90.00	269.89	9,751.00	504.27	-10,963.63	10,962.65	0.00	0.00	0.00
21,700.00	90.00	269.89	9,751.00	504.08	-11,063.63	11,062.65	0.00	0.00	0.00
21,800.00	90.00	269.89	9,751.00	503.89	-11,163.63	11,162.65	0.00	0.00	0.00
21,900.00	90.00	269.89	9,751.00	503.70	-11,263.63	11,262.65	0.00	0.00	0.00
22,000.00	90.00	269.89	9,751.00	503.51	-11,363.63	11,362.65	0.00	0.00	0.00
22,100.00	90.00	269.89	9,751.00	503.32	-11,463.63	11,462.65	0.00	0.00	0.00
22,200.00	90.00	269.89	9,751.00	503.13	-11,563.63	11,562.65	0.00	0.00	0.00
22,300.00	90.00	269.89	9,751.00	502.94	-11,663.63	11,662.65	0.00	0.00	0.00
22,400.00	90.00	269.89	9,751.00	502.75	-11,763.63	11,762.65	0.00	0.00	0.00
22,500.00	90.00	269.89	9,751.00	502.56	-11,863.63	11,862.65	0.00	0.00	0.00
22,600.00	90.00	269.89	9,751.00	502.37	-11,963.63	11,962.65	0.00	0.00	0.00
22,700.00	90.00	269.89	9,751.00	502.18	-12,063.63	12,062.65	0.00	0.00	0.00
22,800.00	90.00	269.89	9,751.00	501.99	-12,163.63	12,162.65	0.00	0.00	0.00
22,900.00	90.00	269.89	9,751.00	501.80	-12,263.63	12,262.65	0.00	0.00	0.00
23,000.00	90.00	269.89	9,751.00	501.61	-12,363.63	12,362.65	0.00	0.00	0.00
23,100.00	90.00	269.89	9,751.00	501.43	-12,463.63	12,462.65	0.00	0.00	0.00
23,200.00	90.00	269.89	9,751.00	501.24	-12,563.63	12,562.65	0.00	0.00	0.00
23,300.00	90.00	269.89	9,751.00	501.05	-12,663.63	12,662.65	0.00	0.00	0.00
23,400.00	90.00	269.89	9,751.00	500.86	-12,763.63	12,762.65	0.00	0.00	0.00
23,500.00	90.00	269.89	9,751.00	500.67	-12,863.63	12,862.65	0.00	0.00	0.00
23,600.00	90.00	269.89	9,751.00	500.48	-12,963.63	12,962.65	0.00	0.00	0.00
23,700.00	90.00	269.89	9,751.00	500.29	-13,063.63	13,062.65	0.00	0.00	0.00
23,800.00	90.00	269.89	9,751.00	500.10	-13,163.63	13,162.65	0.00	0.00	0.00
23,900.00	90.00	269.89	9,751.00	499.91	-13,263.63	13,262.65	0.00	0.00	0.00
24,000.00	90.00	269.89	9,751.00	499.72	-13,363.63	13,362.65	0.00	0.00	0.00
24,100.00	90.00	269.89	9,751.00	499.53	-13,463.63	13,462.65	0.00	0.00	0.00
24,200.00	90.00	269.89	9,751.00	499.34	-13,563.63	13,562.65	0.00	0.00	0.00
24,300.00	90.00	269.89	9,751.00	499.15	-13,663.63	13,662.65	0.00	0.00	0.00
24,400.00	90.00	269.89	9,751.00	498.96	-13,763.63	13,762.65	0.00	0.00	0.00
24,500.00	90.00	269.89	9,751.00	498.78	-13,863.63	13,862.65	0.00	0.00	0.00
24,600.00	90.00	269.89	9,751.00	498.59	-13,963.63	13,962.65	0.00	0.00	0.00
24,700.00	90.00	269.89	9,751.00	498.40	-14,063.63	14,062.65	0.00	0.00	0.00
24,800.00	90.00	269.89	9,751.00	498.21	-14,163.63	14,162.65	0.00	0.00	0.00
24,900.00	90.00	269.89	9,751.00	498.02	-14,263.63	14,262.65	0.00	0.00	0.00
25,000.00	90.00	269.89	9,751.00	497.83	-14,363.63	14,362.65	0.00	0.00	0.00
25,100.00	90.00	269.89	9,751.00	497.64	-14,463.63	14,462.65	0.00	0.00	0.00
25,200.00	90.00	269.89	9,751.00	497.45	-14,563.63	14,562.65	0.00	0.00	0.00
25,300.00	90.00	269.89	9,751.00	497.26	-14,663.63	14,662.65	0.00	0.00	0.00
25,400.00	90.00	269.89	9,751.00	497.07	-14,763.63	14,762.65	0.00	0.00	0.00
25,500.00	90.00	269.89	9,751.00	496.88	-14,863.63	14,862.65	0.00	0.00	0.00
25,600.00	90.00	269.89	9,751.00	496.69	-14,963.63	14,962.65	0.00	0.00	0.00
25,700.00	90.00	269.89	9,751.00	496.50	-15,063.63	15,062.65	0.00	0.00	0.00
25,757.37	90.00	269.89	9,751.00	496.39	-15,121.00	15,120.02	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
706H_LTP									
25,807.37	90.00	269.89	9,751.00	496.30	-15,171.00	15,170.02	0.00	0.00	0.00
706H_BHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
706H_SHL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	489,327.30	653,436.40	32.3442981	-103.8365060
706H_LTP - plan misses target center by 0.01usft at 25757.37usft MD (9751.00 TVD, 496.39 N, -15121.00 E) - Point	0.00	0.00	9,751.00	496.40	-15,121.00	489,823.70	638,315.40	32.3458460	-103.8854597
706H_BHL - plan hits target center - Point	0.00	0.00	9,751.00	496.30	-15,171.00	489,823.60	638,265.40	32.3458463	-103.8856216
706H_FTP - plan hits target center - Point	0.00	0.00	9,751.00	525.90	463.80	489,853.20	653,900.20	32.3457378	-103.8349963

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 706H
Company:	XTO Energy	**TVD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Project:	EDDY COUNTY, NM (NAD-27 / NME)	**MD Reference:**	RKB = 32' @ 3334.00usft (TBD)
Site:	JAMES RANCH UNIT DI 8 WARBONNET	**North Reference:**	Grid
Well:	706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
316.00	316.00	Rustler			
622.00	622.00	Salado/Top of Salt			
2,548.16	2,545.00	Castile Anhydrite 1 Top			
2,943.48	2,935.00	Castile Anhydrite 1 Base			
3,169.53	3,158.00	Castile Anhydrite 2 Top			
3,271.91	3,259.00	Castile Anhydrite 2 Base			
3,633.78	3,616.00	Base Salt			
3,879.09	3,858.00	Delaware/Lamar			
3,921.66	3,900.00	Bell Canyon			
5,012.35	4,976.00	Cherry Canyon			
6,542.97	6,486.00	Brushy Canyon Ss.			
7,757.33	7,684.00	Bone Spring Lm.			
7,804.97	7,731.00	Avalon Ss.			
8,023.92	7,947.00	Upper Avalon Carb.			
8,109.07	8,031.00	Upper Avalon Sh.			
8,170.90	8,092.00	Middle Avalon Carb.			
8,363.49	8,282.00	Lw. Avalon Sh.			
8,626.03	8,541.00	First Bone Spring Carb.			
8,815.58	8,728.00	First Bone Spring Ss.			
9,295.17	9,202.00	Second Bone Spring Carb.			
9,690.01	9,560.00	Second Bone Spring A Ss.			
9,817.97	9,645.00	Second Bone Spring A/B Carb.			
9,931.11	9,701.00	Second Bone Spring B Ss.			
10,172.55	9,751.00	Horizontal Landing Point			

Cement Variance Request

Intermediate Casing:

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6486') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

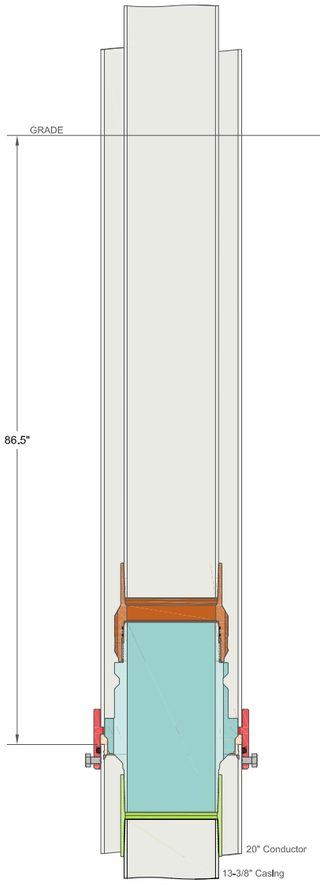
XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

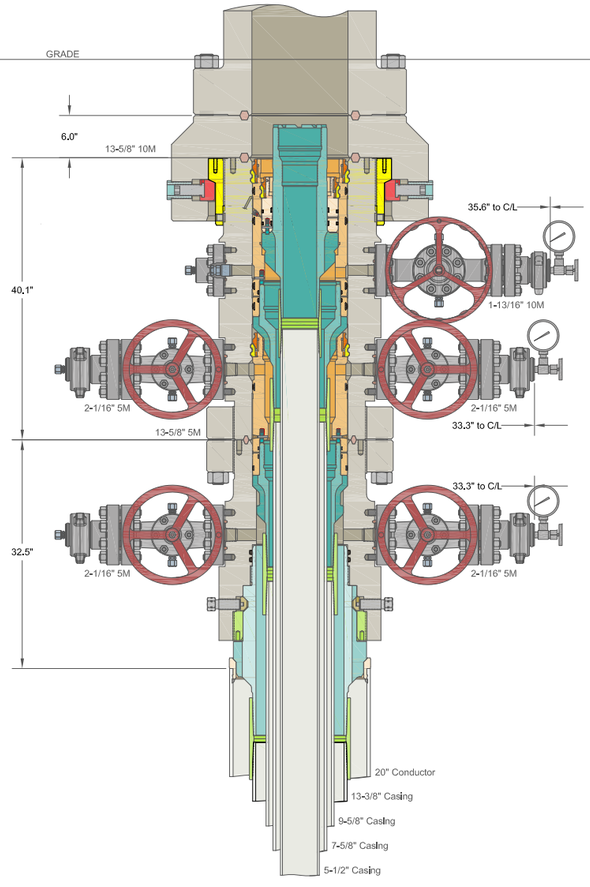
XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

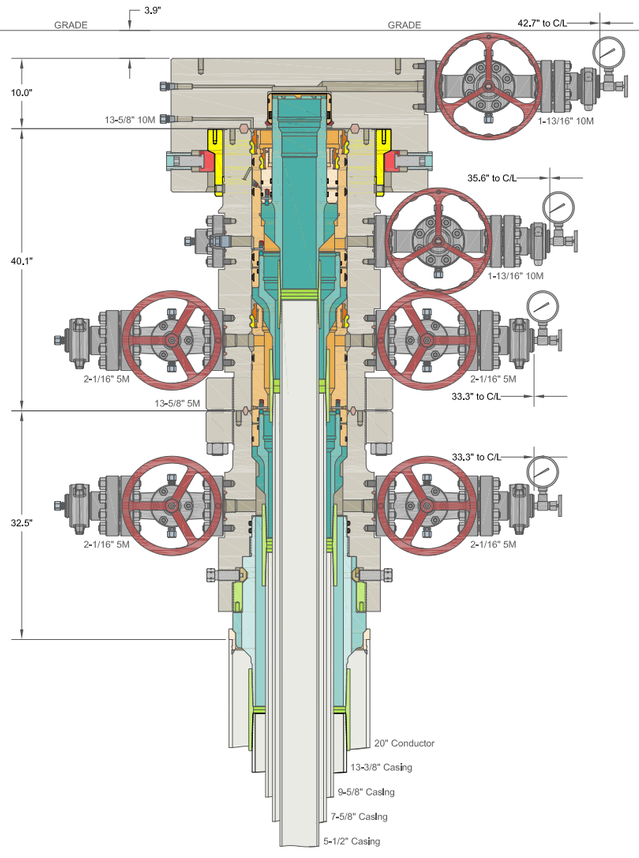
XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

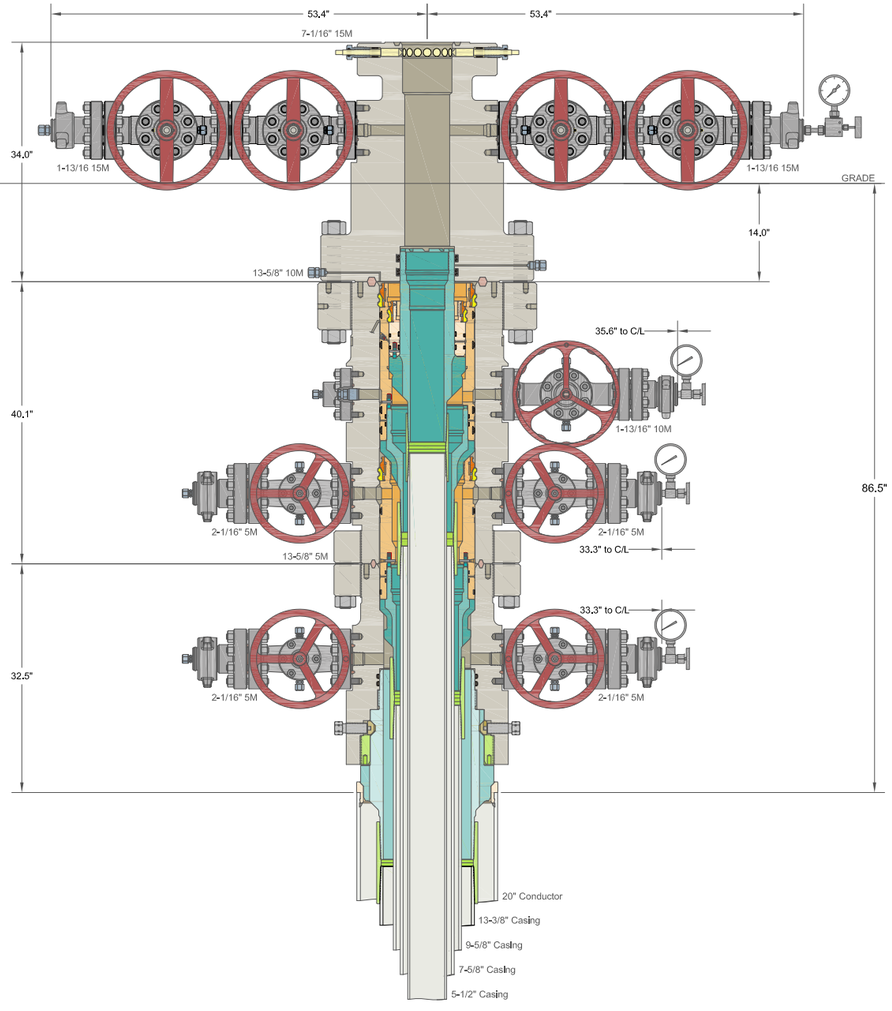
Production Casing:

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.









ALL DIMENSIONS APPROXIMA

CACTUS WELLHEAD LLC

(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

XTO ENERGY INC
DELAWARE BASIN

DRAWN	VJK	31MAR22
APPRV		

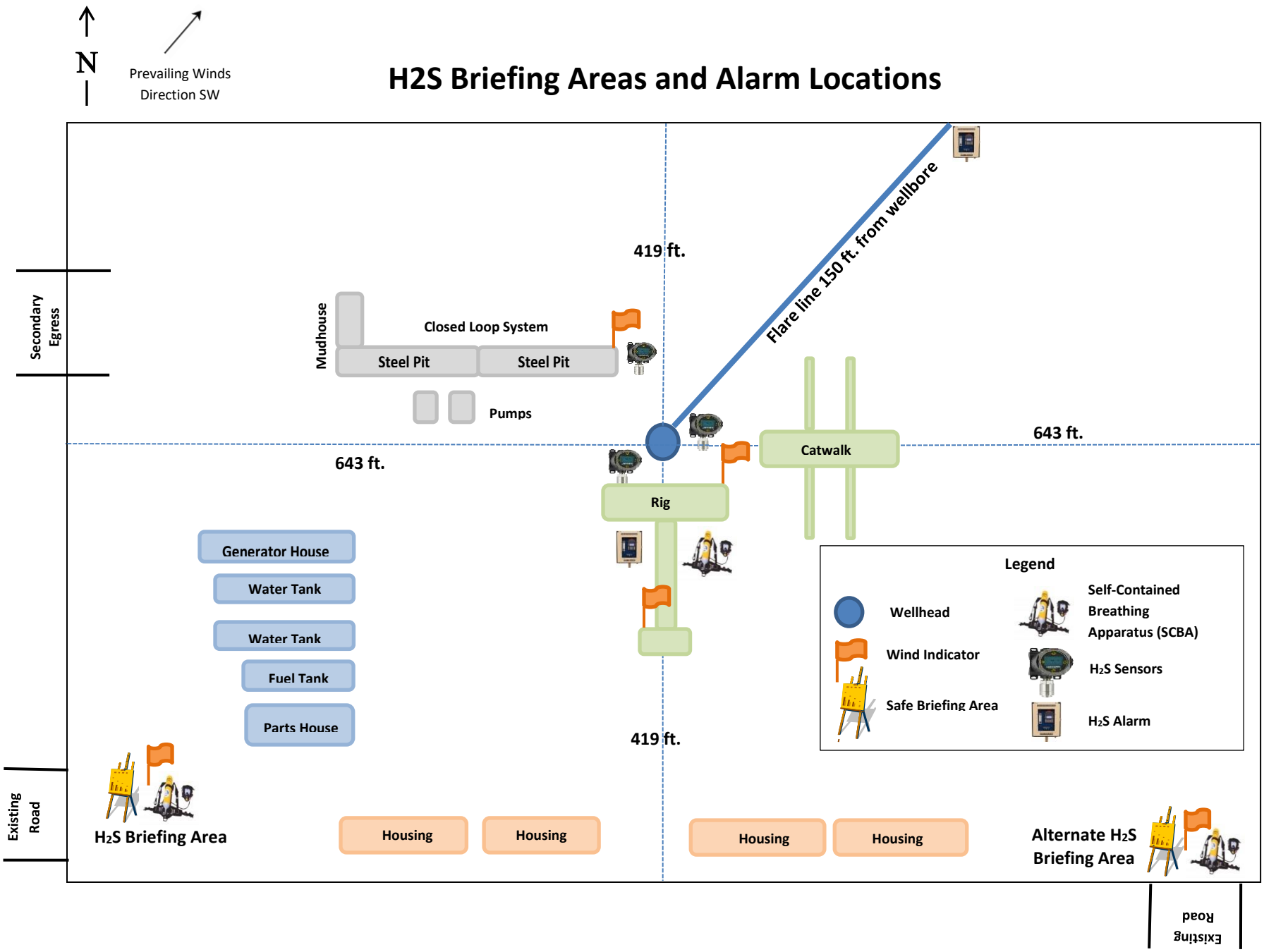
DRAWING NO. SDT-3301

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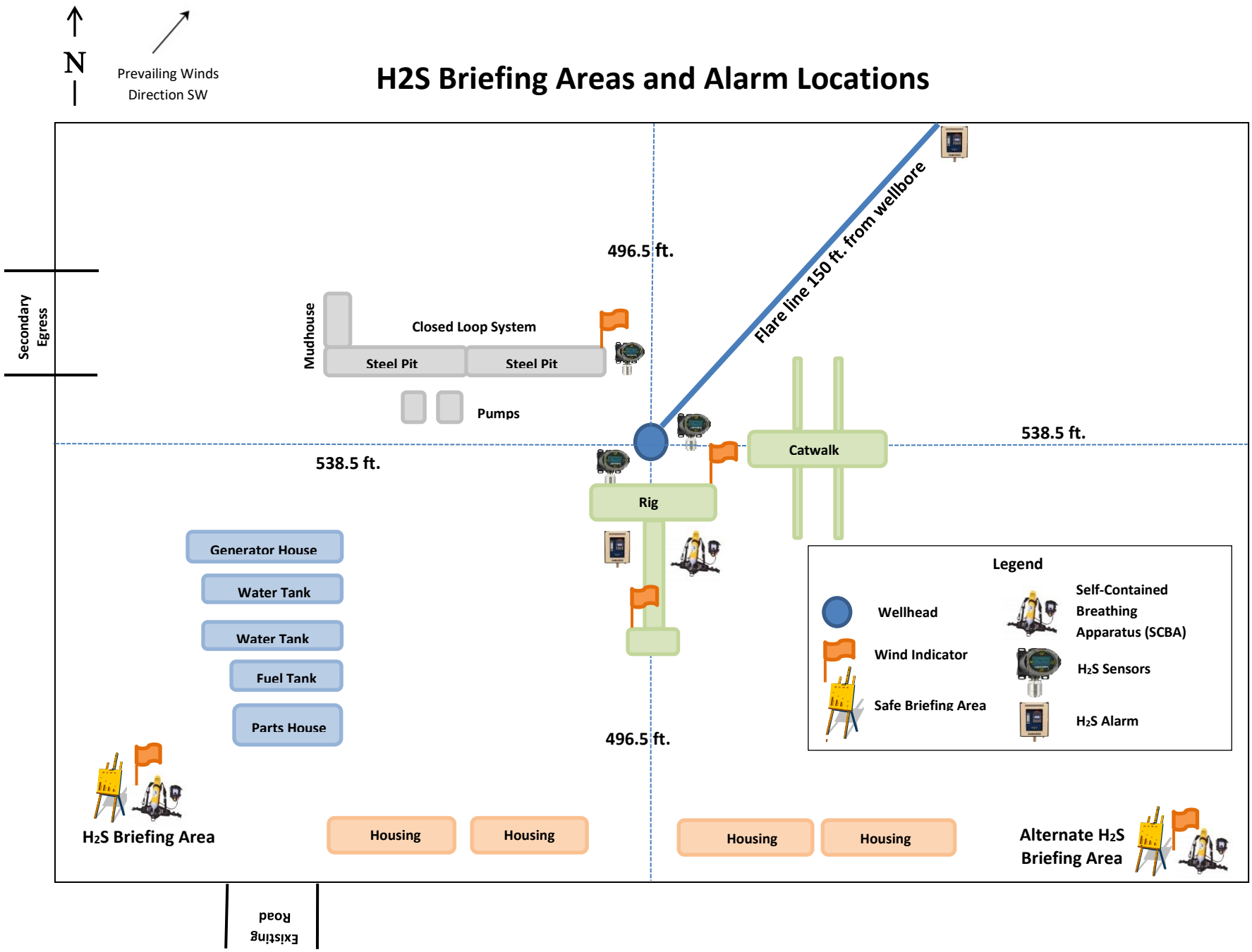
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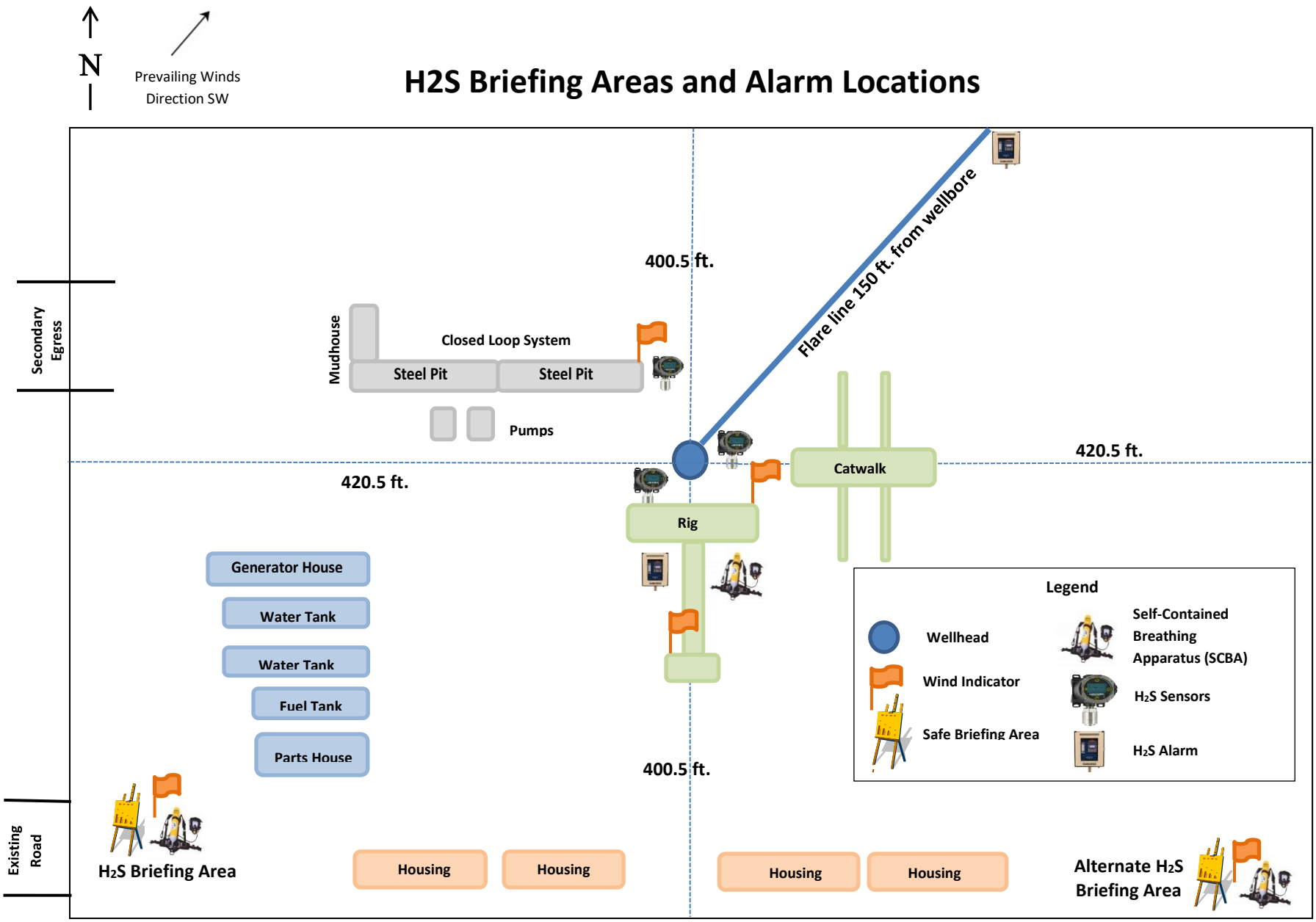
H2S Briefing Areas and Alarm Locations

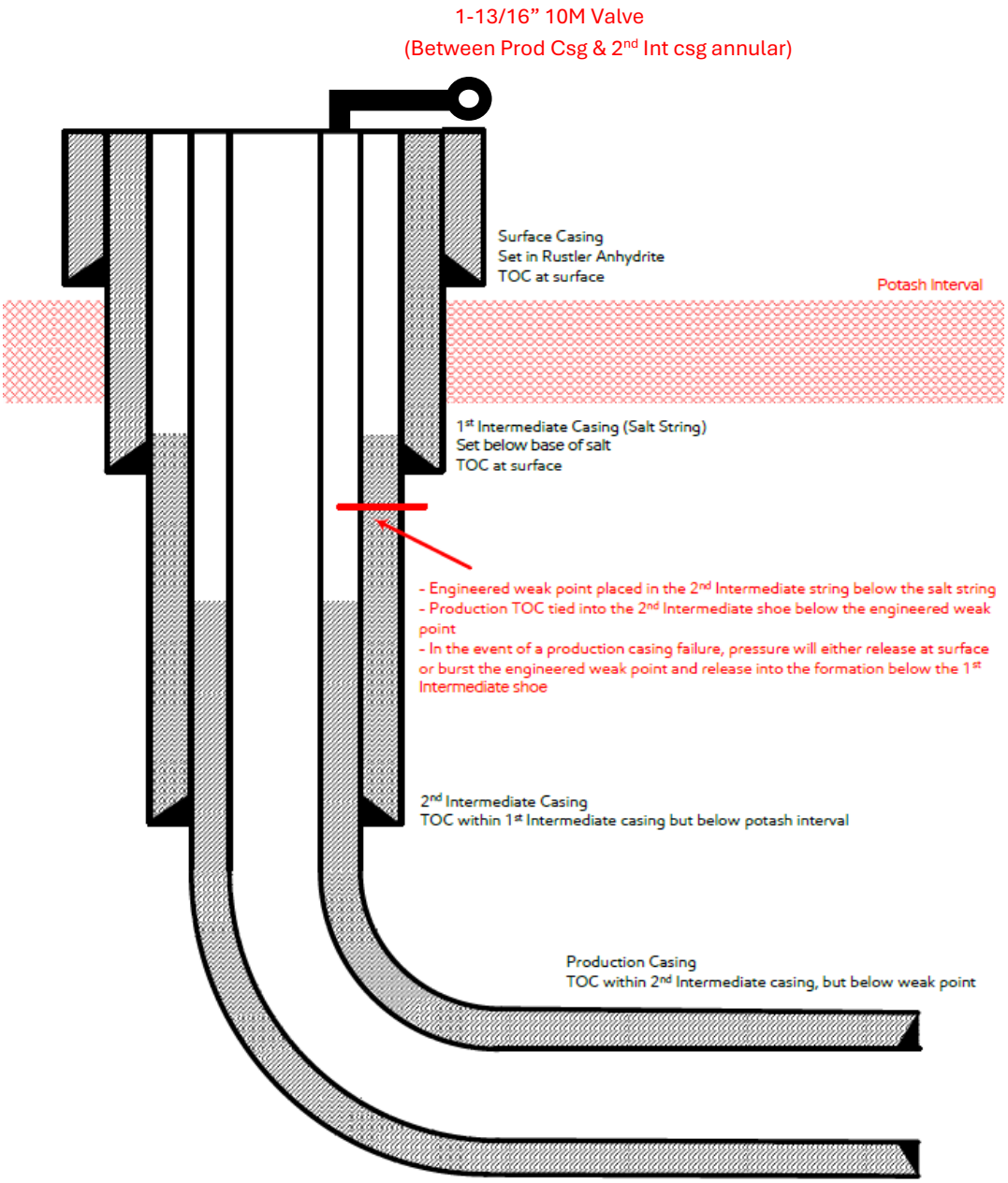


H2S Briefing Areas and Alarm Locations



H2S Briefing Areas and Alarm Locations





[Figure F] 4 String – 2nd Intermediate casing engineered weak point

Update May 2024:
XTO is aware of R-111-Q update and will comply with these requirements including (but not limited to):

1) Alignment with KPLA requirements per schematic below, with engineering weak point casing design and utilizing new casing that meets API standards.
2) Contingency plans in place to divert fluids away from salt interval in event of production casing failure.
3) Intermediate 2 casing will consist of a primary cement job with TOC at the top of the Brushy Canyon formation within the Delaware Mountain Group.
    a. Bradenhead squeeze to be completed after primary cement job to tie back TOC to intermediate 1 "Salt string" & below Marker Bed 126 "Potash Interval".
4) Production cement to be tied back no less than 500' inside previous casing shoe (intermediate 2 casing) and below the engineered weak point.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: XTO Permian Operating, LLC **OGRID:** 373075 **Date:** 10/3/2024

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	3 yr Anticipated decline Oil BBL/D	Anticipated Gas MCF/D	3 yr Anticipated decline Gas MCF/D	Anticipated Water BBL/D	3 yr Anticipated decline Water BBL/D
JAMES RANCH UNIT DI 8 Warbonnet 901H	TBD	36 T22S R30E	1733 FNL, 1762 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 902H	TBD	36 T22S R30E	1854 FNL, 1790 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 903H	TBD	36 T22S R30E	2313 FSL, 1561 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 904H	TBD	36 T22S R30E	2238 FSL, 1590 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 905H	TBD	36 T22S R30E	1125 FSL, 1895 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 906H	TBD	36 T22S R30E	1050 FSL, 1895 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 111H	TBD	36 T22S R30E	1733 FNL, 1792 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 112H	TBD	36 T22S R30E	1854 FNL, 1820 FWL	1,900	200	5,250	900	5,750	550

JAMES RANCH UNIT DI 8 Warbonnet 113H	TBD	36 T22S R30E	2313 FSL, 1591 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 115H	TBD	36 T22S R30E	1050 FSL, 2020 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 116H	TBD	36 T22S R30E	1050 FSL, 2050 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 801H	TBD	36 T22S R30E	1733 FNL, 1732 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 802H	TBD	36 T22S R30E	1853 FNL, 1665 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 803H	TBD	36 T22S R30E	2314 FSL, 1531 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 805H	TBD	36 T22S R30E	1125 FSL, 1865 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 806H	TBD	36 T22S R30E	1050 FSL, 1865 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 701H	TBD	36 T22S R30E	1732 FNL, 1577 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 702H	TBD	36 T22S R30E	1732 FNL, 1607 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 703H	TBD	36 T22S R30E	1853 FNL, 1635 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 704H	TBD	36 T22S R30E	2314 FSL, 1501 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 705H	TBD	36 T22S R30E	2239 FSL, 1530 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 706H	TBD	36 T22S R30E	1125 FSL, 1835 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 707H	TBD	36 T22S R30E	1050 FSL, 1805 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 708H	TBD	36 T22S R30E	1050 FSL, 1835 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 161H	TBD	36 T22S R30E	1854 FNL, 1850 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 162H	TBD	36 T22S R30E	2236 FSL, 1745 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 163H	TBD	36 T22S R30E	1050 FSL, 2080 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 171H	TBD	36 T22S R30E	1733 FNL, 1822 FWL	1,900	200	5,250	900	5,750	550

JAMES RANCH UNIT DI 8 Warbonnet 172H	TBD	36 T22S R30E	2236 FSL, 1775 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 173H	TBD	36 T22S R30E	2235 FSL, 1805 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 174H	TBD	36 T22S R30E	1050 FSL, 2110 FWL	1,900	200	5,250	900	5,750	550
JAMES RANCH UNIT DI 8 Warbonnet 501H	TBD	36 T22S R30E	1732 FNL, 1547 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 502H	TBD	36 T22S R30E	1853 FNL, 1605 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 503H	TBD	36 T22S R30E	2239 FSL, 1500 FWL	1,500	200	2,250	500	3,750	450
JAMES RANCH UNIT DI 8 Warbonnet 504H	TBD	36 T22S R30E	1125 FSL, 1805 FWL	1,500	200	2,250	500	3,750	450

IV. Central Delivery Point Name: Cowboy [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
JAMES RANCH UNIT DI 8 Warbonnet 901H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 902H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 903H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 904H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 905H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 906H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 111H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 112H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 113H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 115H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 116H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 801H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 802H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 803H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 805H	TBD	TBD	TBD	TBD	TBD	TBD

JAMES RANCH UNIT DI 8 Warbonnet 806H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 701H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 702H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 703H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 704H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 705H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 706H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 707H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 708H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 161H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 162H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 163H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 171H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 172H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 173H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 174H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 501H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 502H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 503H	TBD	TBD	TBD	TBD	TBD	TBD
JAMES RANCH UNIT DI 8 Warbonnet 504H	TBD	TBD	TBD	TBD	TBD	TBD

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

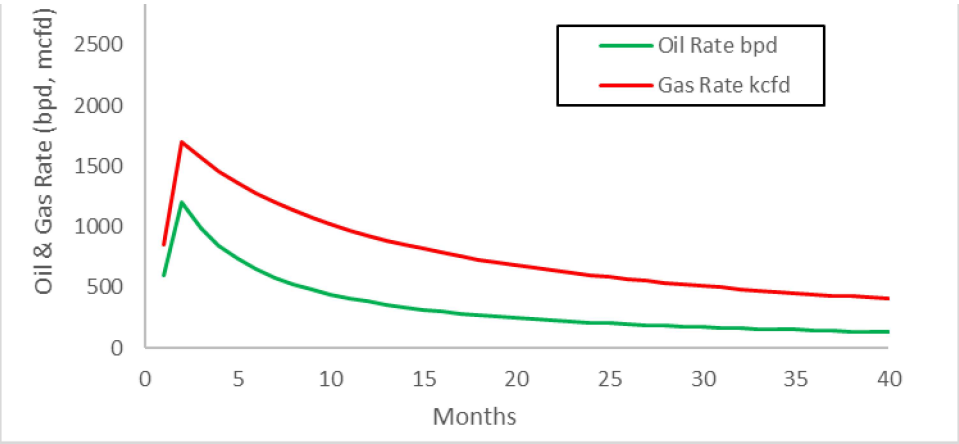
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Vishal Rajan
Printed Name: Vishal Rajan
Title: Regulatory Analyst
E-mail Address: vishal.rajan@exxonmobil.com
Date: 02/28/2025
Phone:

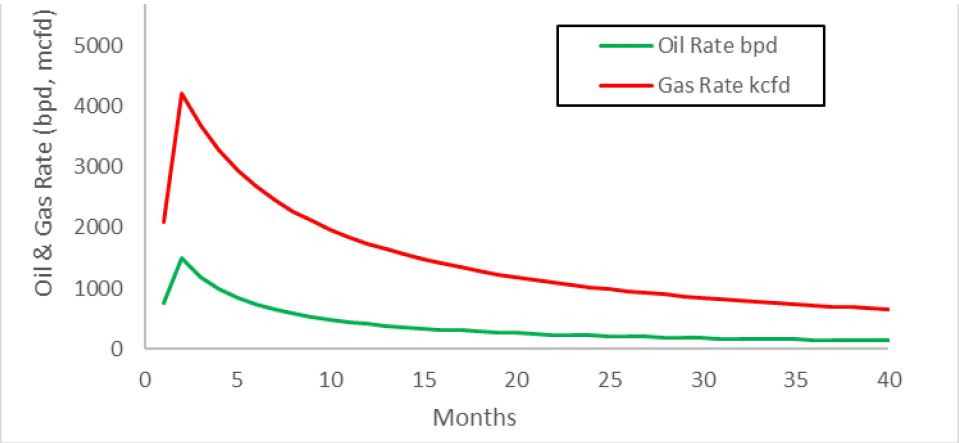
OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

James Ranch Unit – Decline Curves:

Bone Spring:



Wolfcamp:



VI. Separation Equipment:

XTO Permian Operating LLC. utilizes a "stage separation" process in which oil and gas separation is carried out through a series of separators operating at successively reduced pressures. Hydrocarbon liquids are produced into a high-pressure inlet separator, then carried through one or more lower pressure separation vessels before entering the storage tanks. The purpose of this separation process is to attain maximum recovery of liquid hydrocarbons from the fluids and allow maximum capture of produced gas into the sales pipeline. XTO utilizes a series of Low-Pressure Compression units to capture gas off the staged separation and send it to the sales pipeline. This process minimizes the amount of flash gas that enters the end-stage storage tanks that is subsequently vented or flared.

VII. Operational Practices

XTO Permian Operating LLC will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

- During drilling operations, XTO will utilize flares to capture and control natural gas, where technically feasible. If flaring is deemed technically in-feasible, XTO will employ best management practices to minimize or reduce venting to the extent possible.

- During completions operations, XTO will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically in-feasible, flares will be used to control flow back fluids entering into frac tanks during initial flowback. Upon indication of first measurable hydrocarbon volumes, XTO Permian Operating LLCwill turn operations to onsite separation vessels and flow to the gathering pipeline.

- During production operations, XTO Permian Operating LLC will take every practical effort to minimize waste of natural gas through venting and flaring by:

    - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
    - Utilizing a closed-loop capture system to collect, and route produced gas to sales line via low pressure compression, or to a flare/combustor
    - Flaring in lieu of venting, where technically feasible
    - Utilizing auto-ignitors or continuous pilots, with thermocouples connected to Scada, to quickly detect and resolve issues related to malfunctioning flares/combustors
    - Employ the use of automatic tank gauging to minimize storage tank venting during loading events
    - Installing air-driven or electric-driven pneumatics & combustion engines, where technically feasible to minimize venting to the atmosphere
    - Confirm equipment is properly maintained and repaired through a preventative maintenance and repair program to ensure equipment meets all manufacturer specifications

- Conduct and document AVO inspections on the frequency set forth in Part 27 to detect and repair any onsite leaks as quickly and efficiently as is feasible.

VIII. Best Management Practices during Maintenance

XTO Permian Operating LLC. will utilize best management practices to minimize venting during active and planned maintenance activities. XTO is operating under guidance that production facilities permitted under NOI permits have no provisions to allow high pressure flaring and high-pressure flaring is only allowed in disruption scenarios so long as the duration is less than eight hours. When technically feasible, flaring during maintenance activities will be utilized in lieu of venting to the atmosphere. XTO will work with third-party operators during scheduled maintenance of downstream pipeline or processing plants to address those events ahead of time to minimize venting. Actions considered include identifying alternative capture approaches or planning to temporarily reduce production or shut in the well to address these circumstances.

XTO Permian Operating, LLC Offline Cementing Variance Request

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

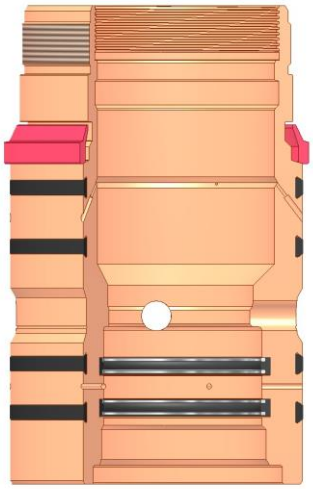
1. Cement Program

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

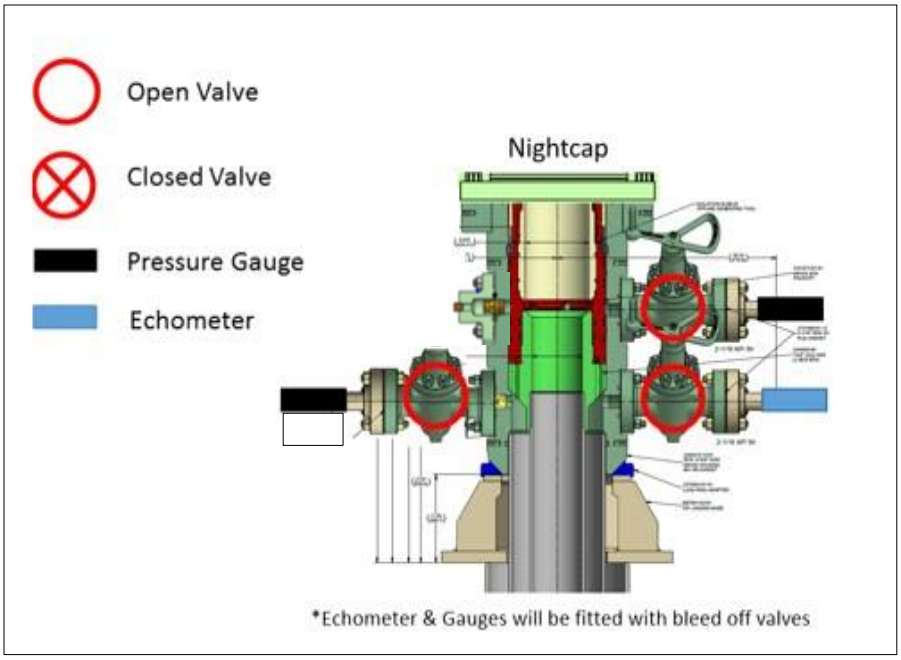
2. Offline Cementing Procedure

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

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



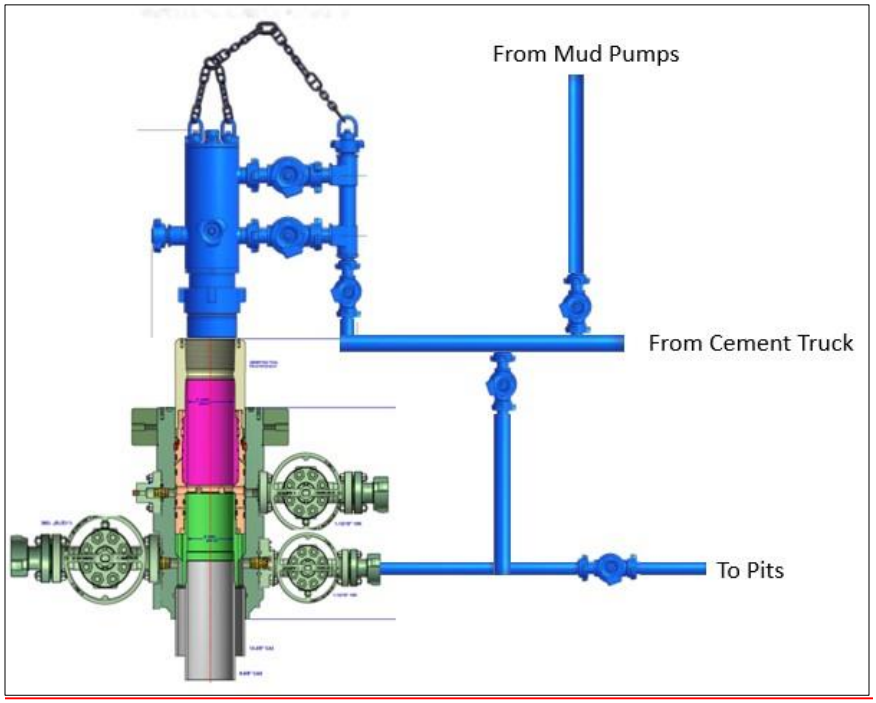
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

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.

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
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EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

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

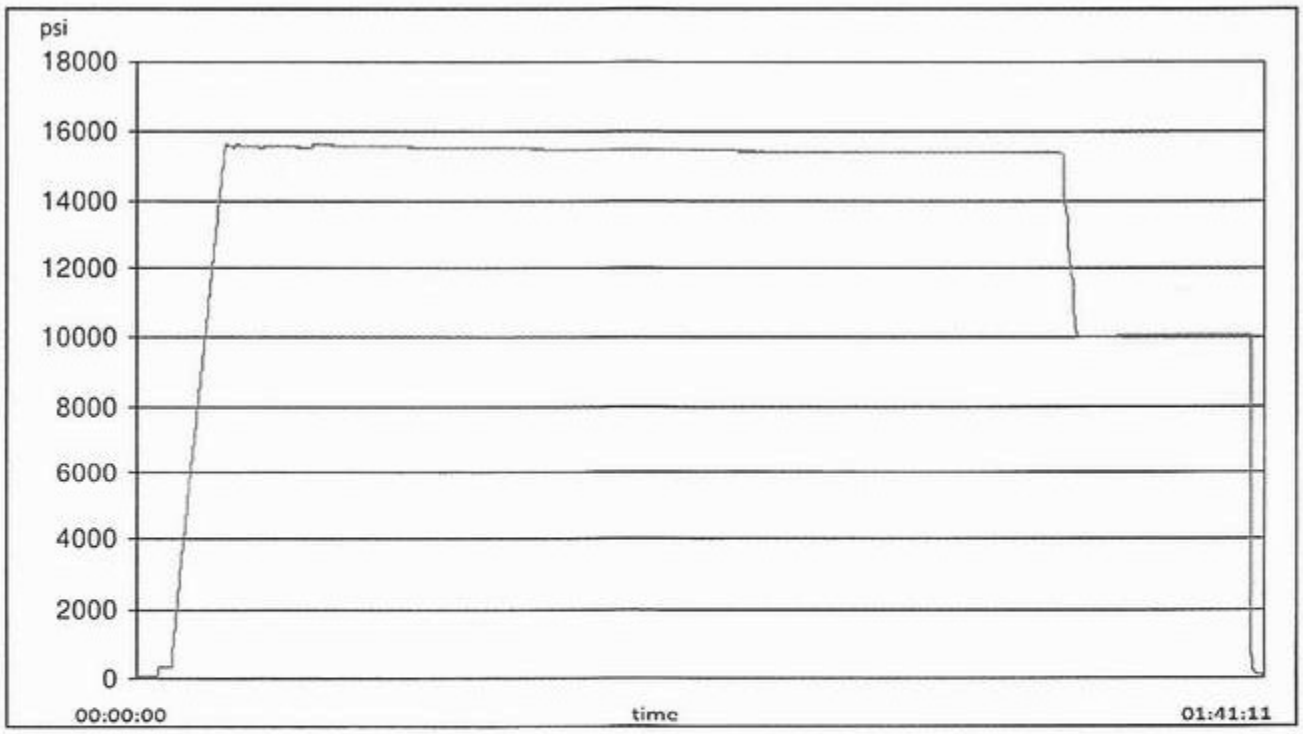
DATE: 1/25/2024

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1/25/2024 11:48:06 AM

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

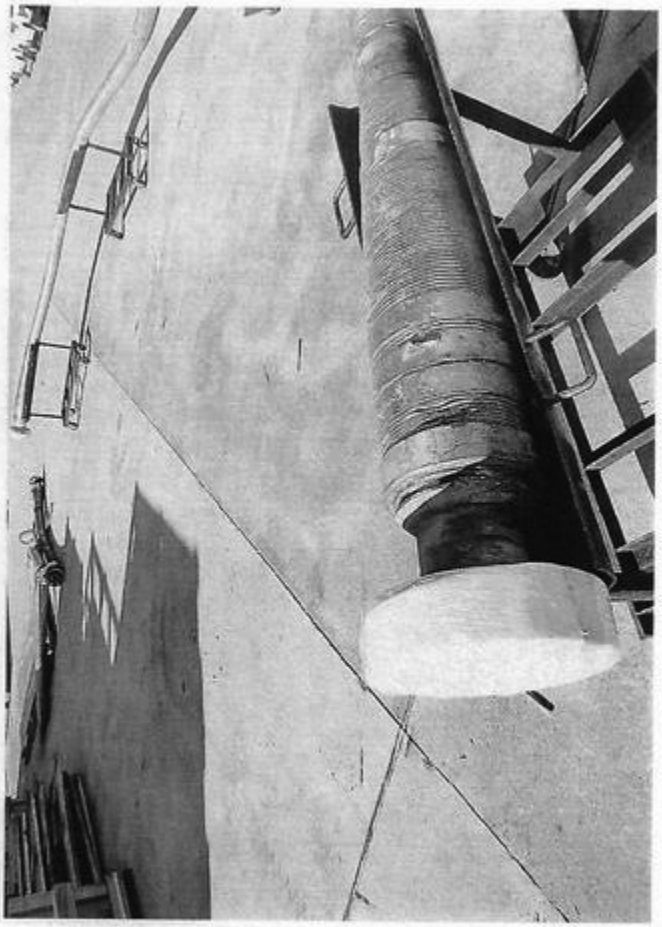
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment







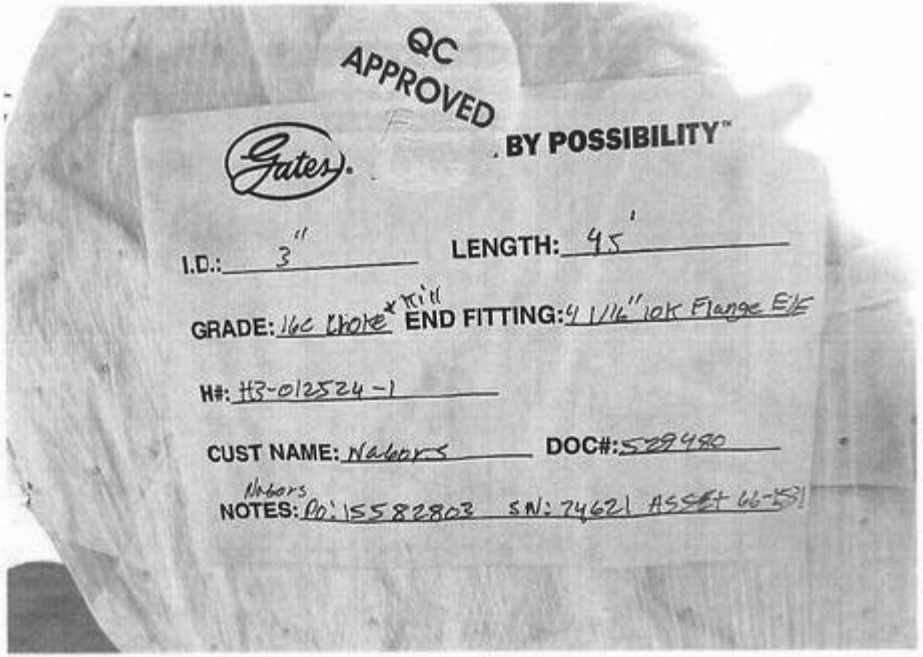


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Received by OCD: 6/17/2026 7:41:52 AM









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

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack

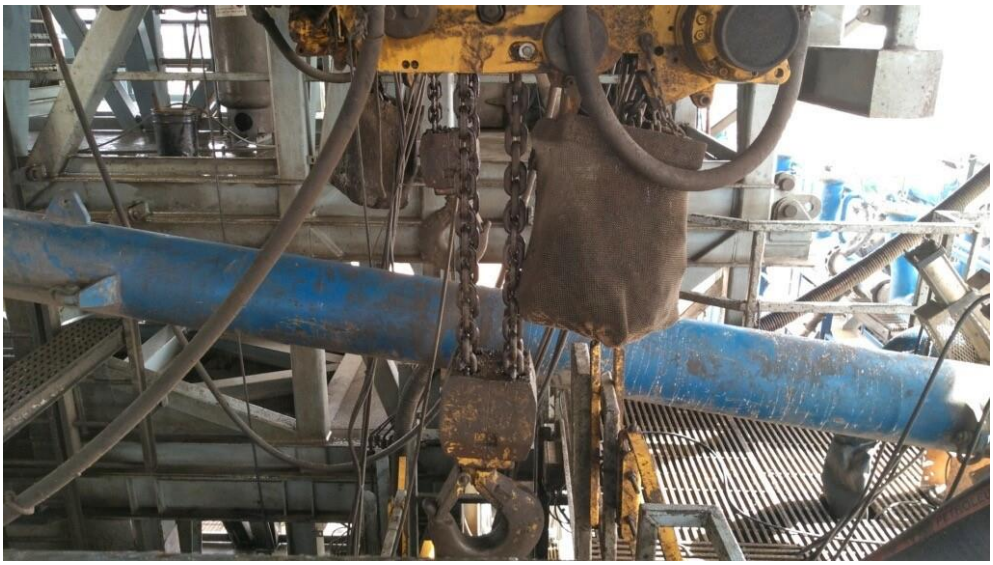


Figure 2: BOP Winch System

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

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.

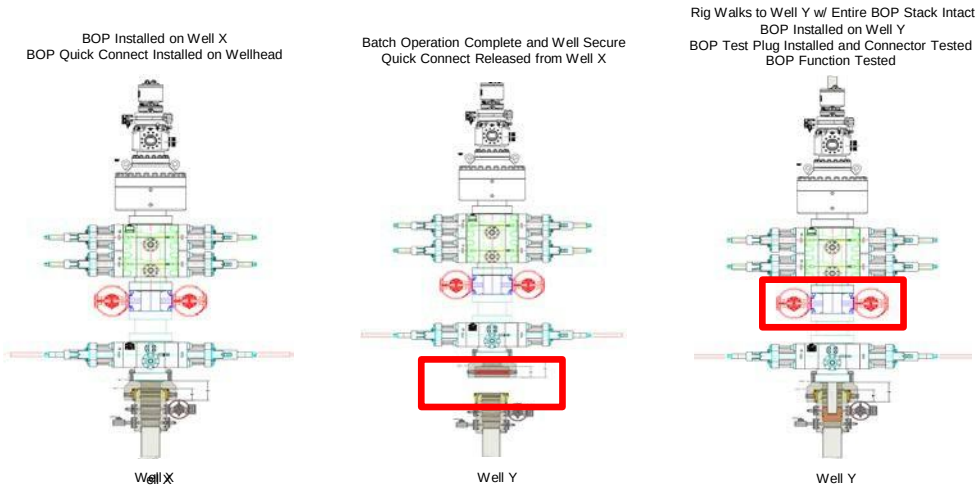
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often 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.

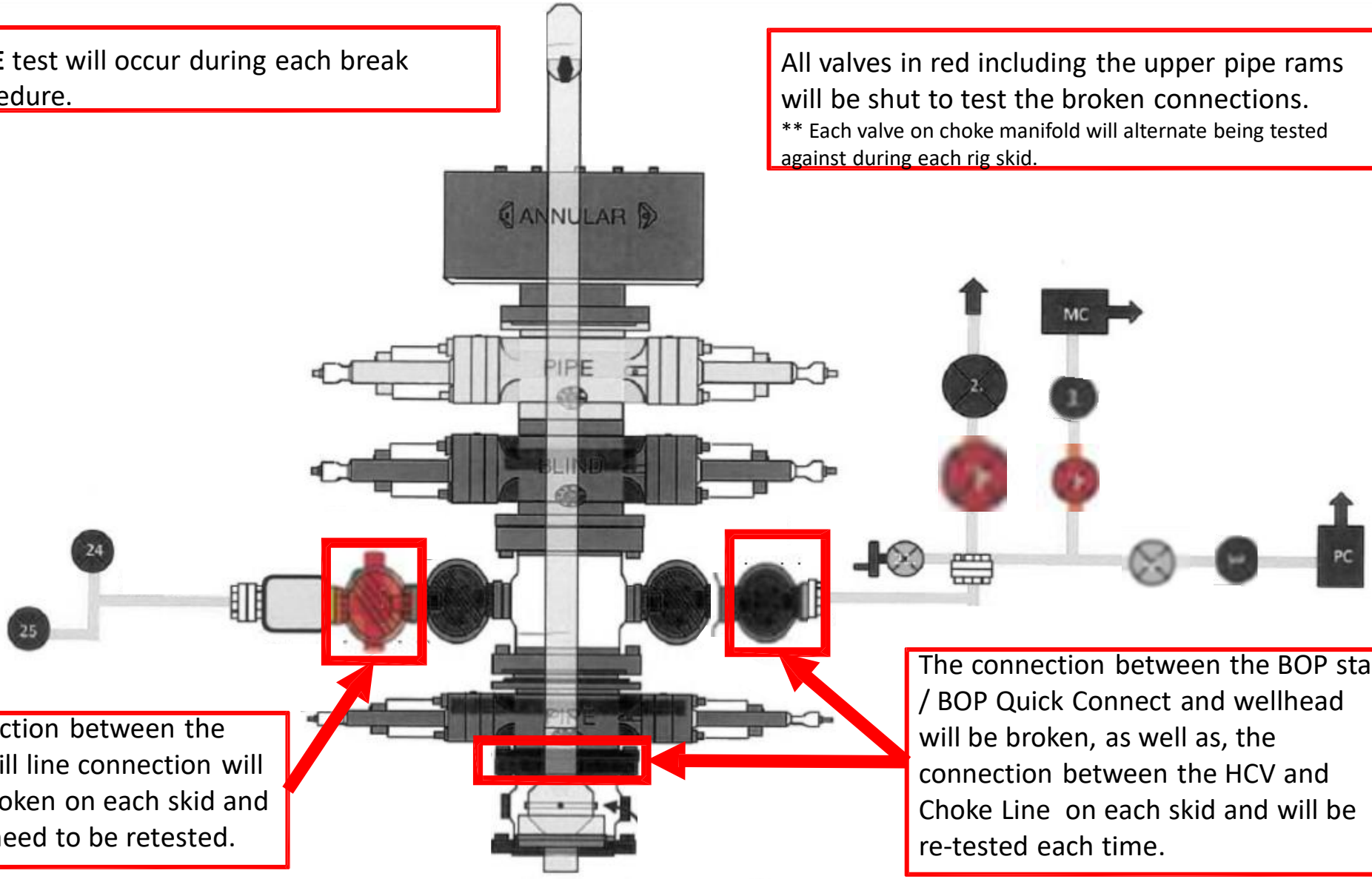
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

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.

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

SUPO Data Report
10/12/2025

APD ID: 10400096335
Submission Date: 01/18/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: JAMES RANCH UNIT DI 8 WARBONNET
Well Number: 706H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

JRU_DI_8_WARBONNET_706H_Road_20231214201902.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

JRU_DI_8_Warbonnet_Eagle_1Mile_20231208060944.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: A. Production Facilities. No additional tank battery is required or being applied for on the James Ranch Unit DI 8 project. If the wells are economically capable of production,t hey will flow to the existing James Ranch Unit DI 8 CVB previously approved by the BLM located on New Mexico State land in the SWNW, Section 36-22S-30E (Centerpoint: 393FWL & 2292FNL). No additional surface disturbance is anticipated. B. Buried & Surface Flowlines. No additional flowlines are required or requested for the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated. C. Gas & Oil Pipeline. Oil and gas pipelines are not required or requested for the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated. D. Disposal Facilities. Produced water will be hauled from location to a commercial disposal facility as needed. E. Flare. A flare is not requested or being applied for on the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated. F. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as shale green that reduce the visual impacts of the built environment. G. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1.5 times the capacity of the largest tank and away from cut or fill areas. H. Electrical. No additional electric lines are requested or being applied for on the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated.

Production Facilities map:

XTO_JRU_DI_8_EXISTING_CVB_FINAL_20250304124030.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Fresh Water; Section 27, T25S-R30E, Eddy County, New Mexico.

Water source use type: DUST CONTROL

SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

STIMULATION

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: COMMERCIAL

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Source transportation land ownership: FEDERAL

Water source volume (barrels): 2000000 **Source volume (acre-feet):** 257.78619266

Source volume (gal): 84000000

Water source type: OTHER

Describe type: Fresh Water; Section 6, T25S-R29E, Eddy County, New Mexico

Water source use type: DUST CONTROL
SURFACE CASING
INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 2000000 **Source volume (acre-feet):** 257.78619266

Source volume (gal): 84000000

Water source and transportation

JRU_DI_8_WARBONNET_706H_Wtr_20231214202026.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 7 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Texas Pacific Water Resources Water for drilling, completion and dust control will be supplied by Texas Pacific Water Resources for sale to XTO Permian Operating, LLC. from Section 27, T25S-R30E, Eddy County, New Mexico. In the event that Texas Pacific Water Resources does not have the appropriate water for XTO Permian Operating, LLC. at time of drilling and completion, then XTO Permian Operating, LLC. water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, New Mexico. Anticipated water usage for drilling includes an estimated 35,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Temporary water flowlines will be permitted via ROW approval letter and proper grants as-needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 300,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections.

New water well? N

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche Pit Location: 32.330647, -103.815127

Construction Materials source location

Section 7 - Methods for Handling

Waste type: SEWAGE

Waste content description: Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

Safe containment description: Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

Safe containmant attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: A licensed 3rd party contractor to haul and dispose of human waste.

Waste type: DRILLING

Waste content description: Fluid

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel mud boxes

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

Safe containment description: The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240

Waste type: GARBAGE

Waste content description: All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.

Amount of waste: 250 pounds

Waste disposal frequency : Weekly

Safe containment description: All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.

Safe containmant attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: A licensed 3rd party contractor to haul and dispose of human waste.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Cuttings. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site. Drilling Fluids. These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility. Produced Fluids. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Section 9 - Well Site

Well Site Layout Diagram:

JRU_DI_8_WARBONNET_706H_Well_20231214202108.pdf

JRU_DI_8_WARBONNET_706H_RL_20241015121333.pdf

Comments: Multi-well pad.

Section 10 - Plans for Surface

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** JRU DI 8 WARBONNET

Multiple Well Pad Number: C

Recontouring

JRU_DI_8_Warbonnet_Eagle_IR2_20250304124411.pdf

JRU_DI_8_Warbonnet_Eagle_IR3_Updated_20250304124412.pdf

JRU_DI_8_Warbonnet_Eagle_IR1_Updated_20250304124413.pdf

Drainage/Erosion control construction: Initial seedbed preparation will consist of recontouring to the appropriate interim or final reclamation standard. All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches.

Drainage/Erosion control reclamation: Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

Well pad proposed disturbance (acres):	**Well pad interim reclamation (acres):** 0	**Well pad long term disturbance (acres):** 0
Road proposed disturbance (acres):	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 0
Powerline proposed disturbance (acres):	**Powerline interim reclamation (acres):** 0	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres):	**Pipeline interim reclamation (acres):** 0	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres):	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 0	**Total interim reclamation:** 0	**Total long term disturbance:** 0

Disturbance Comments:

Reconstruction method: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

Topsoil redistribution: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

Soil treatment: A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Existing Vegetation at the well pad: Soils are classified of Reeves soils. These soils are associated with the loamy ecological site which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, American tarbush, cholla, and cresoste.
Existing Vegetation at the well pad

Existing Vegetation Community at the road: Soils are classified of Reeves soils. These soils are associated with the loamy ecological site which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, American tarbush, cholla, and cresoste.
Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Soils are classified of Reeves soils. These soils are associated with the loamy ecological site which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, American tarbush, cholla, and cresoste.
Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Soils are classified of Reeves soils. These soils are associated with the loamy ecological site which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, American tarbush, cholla, and cresoste.
Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

First Name: Robert **Last Name:** Bartels

Phone: (406)478-3617 **Email:** robert.e.bartels@exxonmobil.com

Seedbed prep: : Initial seedbed preparation will consist of recontouring to the appropriate interim or final reclamation standard. All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches. If the site is to be broadcast seeded, the surface will be left rough enough to trap seed and snow, control erosion, and increase water infiltration.

Seed BMP: If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
Seed method: Seeding will be conducted no more than two weeks following completion of final seedbed preparation. A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used. If the site is harrowed or dragged, seed will be covered by no more than 0.25 inch of soil.
Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: Weed control for all phases will be through the use of approved pesticides and herbicides according to applicable State, Federal and local laws.
Weed treatment plan

Monitoring plan description: Monitoring of invasive and noxious weeds will be visual and as-needed. If it is determined additional methods are required to monitor invasive and noxious weeds, appropriate BLM authorities will be contacted with a plan of action for approval prior to implementation.
Monitoring plan

Success standards: 100% compliance with applicable regulations.

Pit closure description: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.
Pit closure attachment:

Section 11 - Surface

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NMSLO

Military Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: TRANSMISSION LINE

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NMSLO

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

NPS Local Office:

State Local Office: NMSLO

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: OTHER

Describe: FLOWLINES

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NMSLO

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

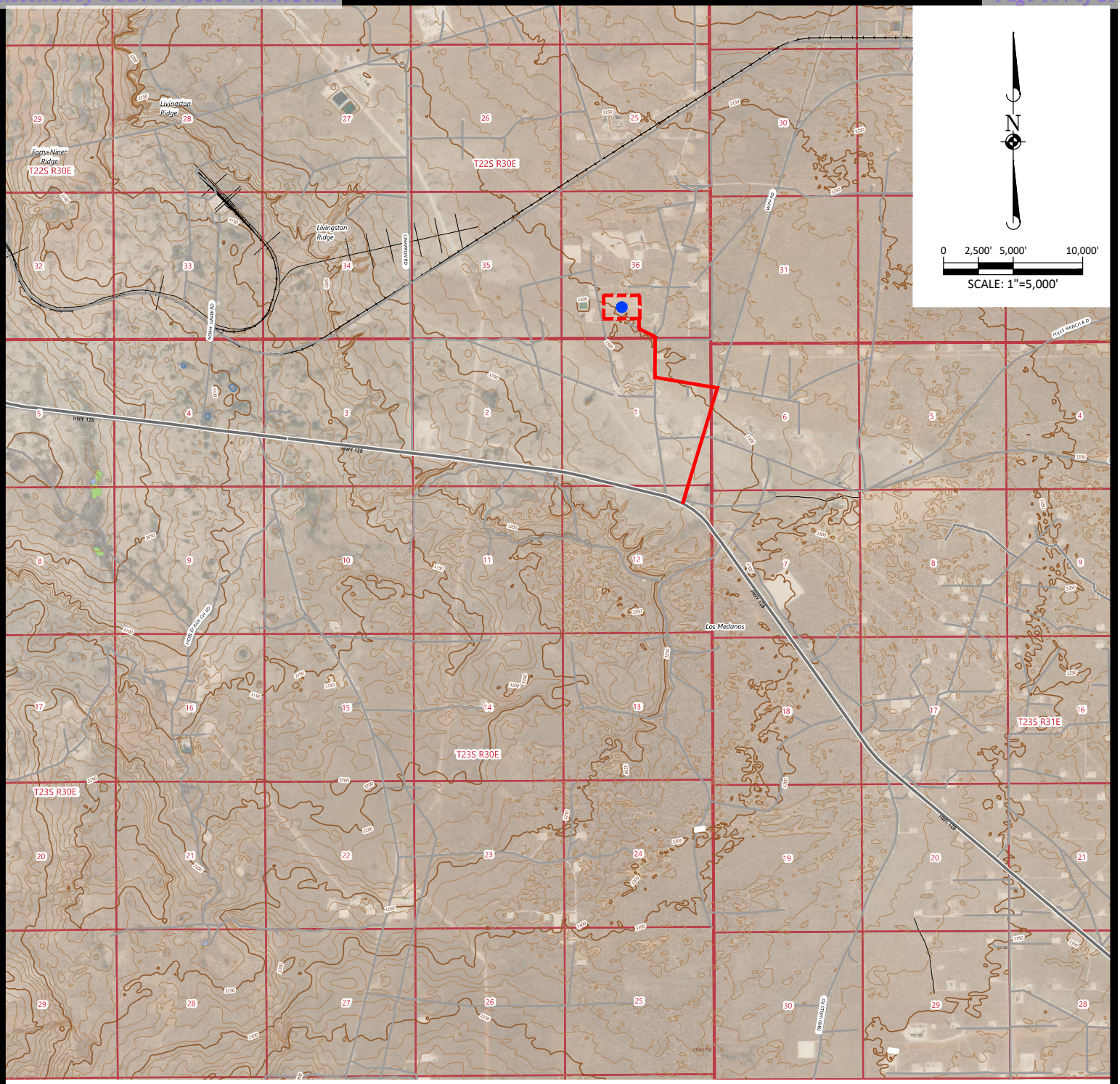
SUPO Additional Information: SUPO written for all wells in section/project area.

Use a previously conducted onsite? Y

Previous Onsite information: The XTO Permian Operating, LLC. representatives and BLM NRS were on location for onsite on 04/16/2018.

Other SUPO

JRU_DI_8_Warbonnet_Eagle_SUPO_Updated_20250306132502.pdf



DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION HWY 168 (JAL HWY) AND WIPP RD, GO NORTHEAST ON WIPP RD AND GO APPROX. 0.8 MILES. TURN LEFT (WEST) ONTO LEASE RD AND GO APPROX. 0.4 MILES. TURN RIGHT (NORTH) ONTO LEASE RD AND GO APPROX. 0.3 MILES. TURN LEFT (WEST) ONTO LEASE RD AND GO APPROX. 0.2 MILES, ARRIVING AT THE PAD AND THE LOCATION IS TO THE NORTH.

LEGEND

- JAMES RANCH UNIT DI 8 WARBONNET 706H WELL LOCATION
- EXISTING WELL PAD
- DRIVING ROUTE

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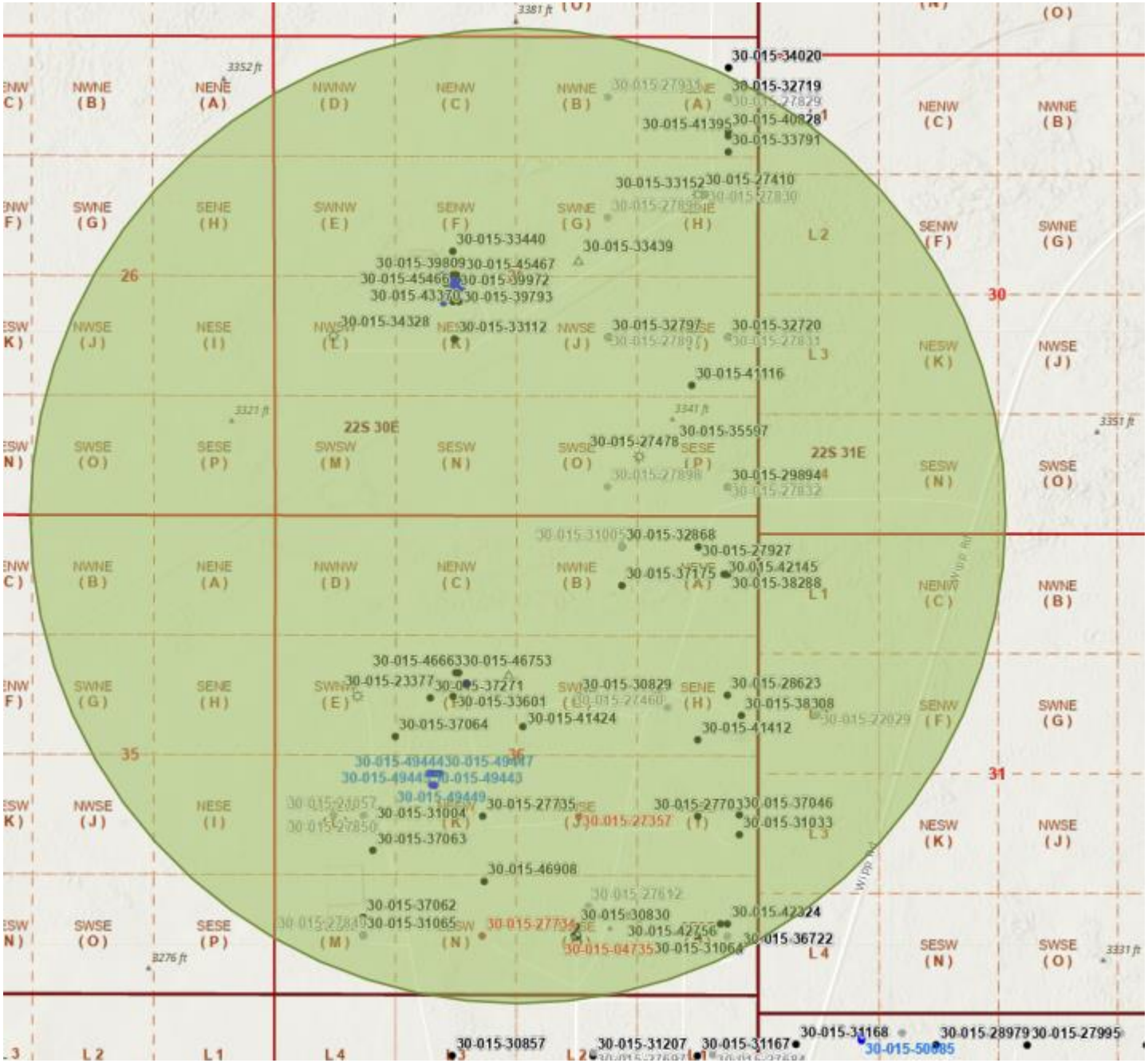
A TOPOGRAPHICAL AND ACCESS ROAD MAP FOR XTO PERMIAN OPERATING, LLC JAMES RANCH UNIT DI 8 WARBONNET 706H

LOCATED 1,125 FEET FROM THE SOUTH LINE AND 1,835 FEET FROM THE WEST LINE OF SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
AI	05/19/2023	1" = 5,000'	618.013002.09-24
DRAWN BY:	**FIELD CREW:**	**REVISION NO.:**	**SHEET:**
AR	SR	0	3 OF 3

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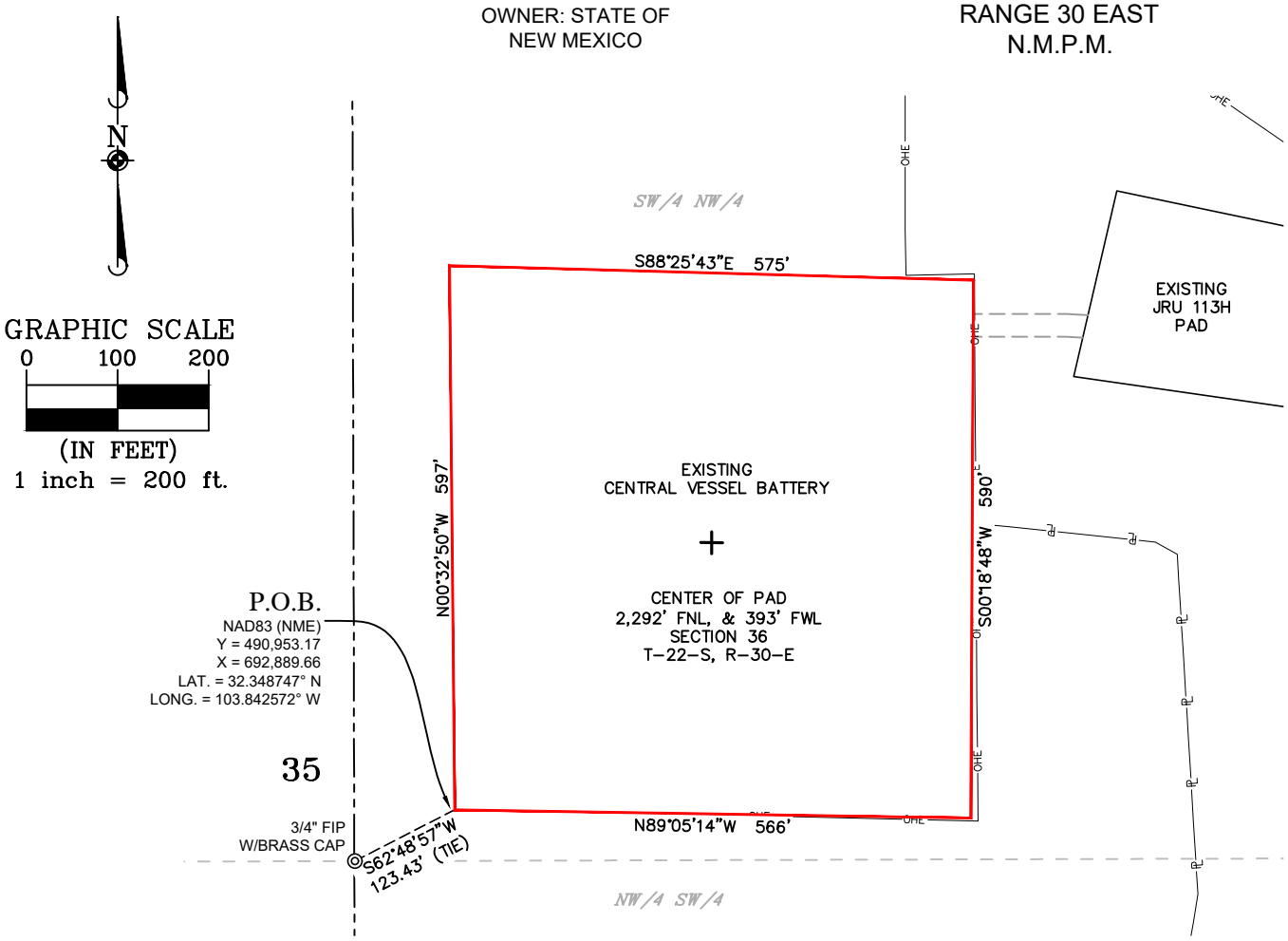
1 Mile Radius Map



JRU DI 8 EAGLE

SECTION 36
OWNER: STATE OF NEW MEXICO

TOWNSHIP 22 SOUTH, RANGE 30 EAST N.M.P.M.



GENERAL NOTES

1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).

I,MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PREFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

LEGEND

	SECTION LINE
	EXISTING FACILITY PAD
	EXISTING ROAD
OHE OHE	EXISTING OVERHEAD ELECTRIC
PL PL	EXISTING PIPELINE
	EXISTING WELL PAD
P.O.B.	POINT OF BEGINNING
◎	FOUND MONUMENT AS NOTED

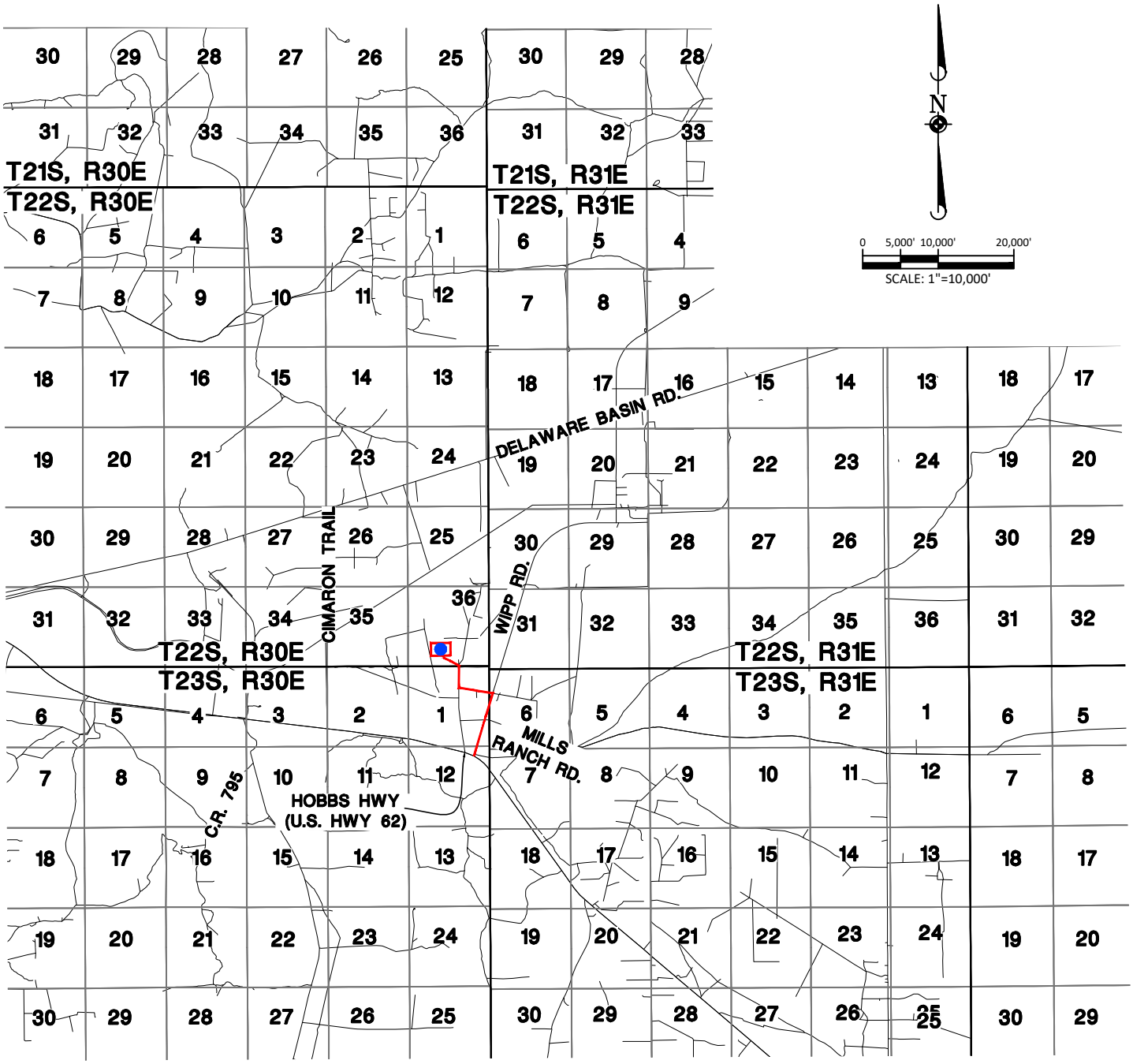
AN EXISTING PAD EXHIBIT FOR:
XTO PERMIAN OPERATING, LLC.
JAMES RANCH UNIT DI 8 CENTRAL VESSEL BATTERY
SITUATED IN THE NW/4 OF SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

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DB	3/4/25	1" = 200'	618.013002.09
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	NO	1 OF 1

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DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION HWY 168 (JAL HWY) AND WIPP RD, GO NORTHEAST ON WIPP RD AND GO APPROX. 0.8 MILES. TURN LEFT (WEST) ONTO LEASE RD AND GO APPROX. 0.4 MILES. TURN RIGHT (NORTH) ONTO LEASE RD AND GO APPROX. 0.3 MILES. TURN LEFT (WEST) ONTO LEASE RD AND GO APPROX. 0.2 MILES, ARRIVING AT THE PAD AND THE LOCATION IS TO THE NORTH.

LEGEND

- JAMES RANCH UNIT DI 8 WARBONNET 706H
- PROPOSED DRILLING ISLAND
- DRIVING ROUTE

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A VICINITY MAP FOR XTO PERMIAN OPERATING, INC.
JAMES RANCH UNIT DI 8 WARBONNET 706H

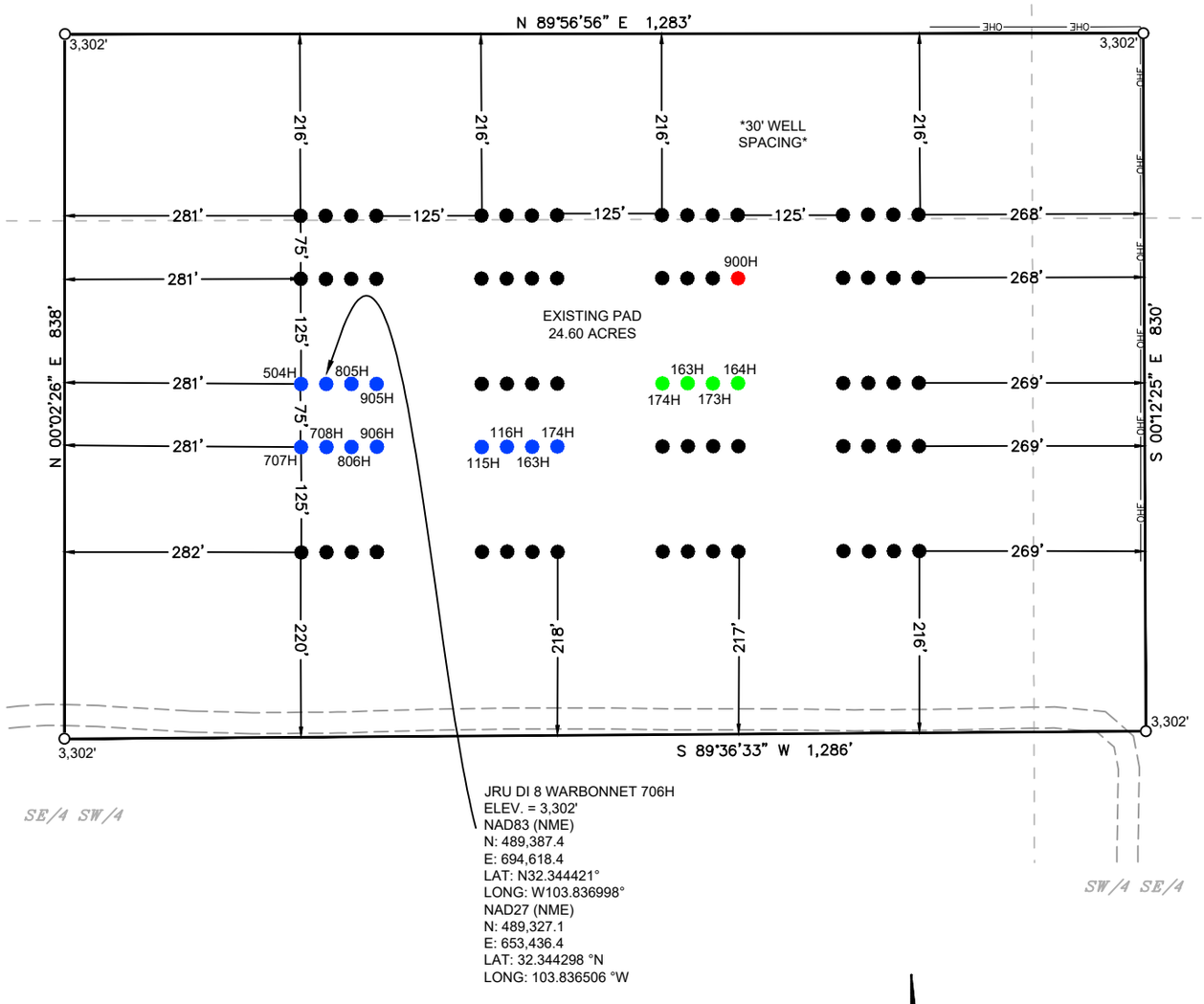
LOCATED 1,125 FEET FROM THE SOUTH LINE AND 1,835 FEET FROM THE WEST LINE OF SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	06/05/2023	1" = 10,000'	618.013002.09-24
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
RP	RD	0	2 OF 3

P:\618.013 XTO Energy - NM\002 James Ranch Unit\.09 - DI 8 - EDDY\DWG\Packets\VICINITY MAP-PAD C.dwg

SECTION 36

OWNER: STATE OF NEW MEXICO



JRU DI 8 WARBONNET 706H
ELEV. = 3,302'
NAD83 (NME)
N: 489,387.4
E: 694,618.4
LAT: N32.344421°
LONG: W103.836998°
NAD27 (NME)
N: 489,327.1
E: 653,436.4
LAT: 32.344298 °N
LONG: 103.836506 °W

DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HWY 168 (JAL HIGHWAY) AND WIPP RD, GO NORTHEAST ON WIPP RD AND GO APPROX. 0.8 MILES. TURN LEFT (WEST) ONTO LEASE RD AND GO APPROX. 0.4 MILES. TURN RIGHT (NORTH) ONTO LEASE RD AND GO APPROX. 0.6 MILES. TURN LEFT (WEST) ONTO A LEASE RD AND GO APPROX. 0.5 MILES, TURN RIGHT LOCATION IS TO THE NORTH.

GENERAL NOTES

1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. REFER TO TOPOGRAPHICAL AND ACCESS ROAD MAP FOR PROPOSED ROAD LOCATION.

N

GRAPHIC SCALE
0 100 200
(IN FEET)
1 inch = 200 ft.

LEGEND

- SECTION LINE
- EXISTING PAD
- TBD WELL LOCATION
- DRILLED WELL LOCATION
- PERMITTED WARBONNET WELL LOCATION
- PERMITTED EAGLE WELL LOCATION
- EXISTING OVERHEAD ELECTRIC
- EXISTING ROAD

I,MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PREFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

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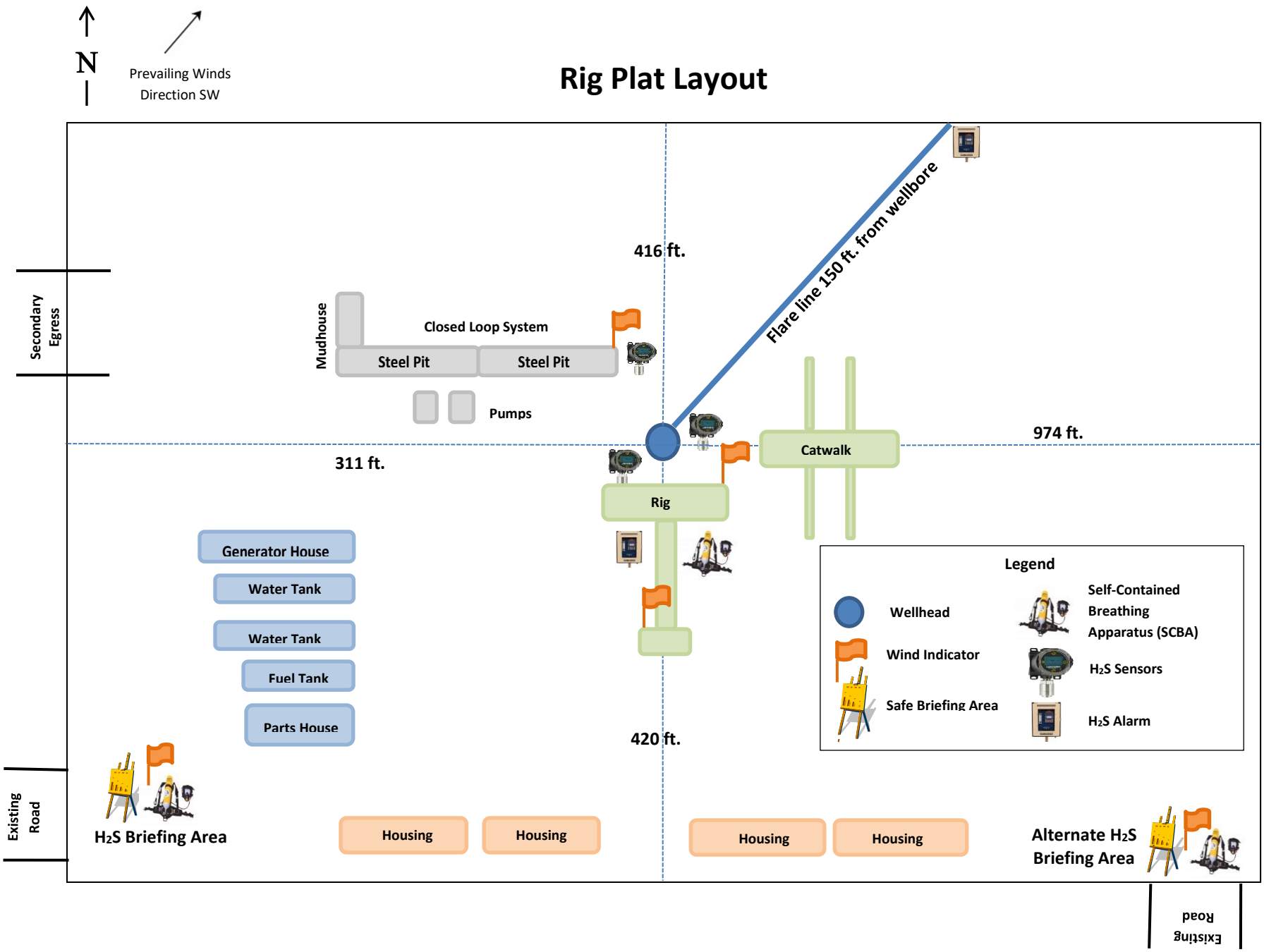
A WELL SITE PLAN FOR XTO PERMIAN OPERATING, INC.
JAMES RANCH UNIT DI 8 PAD "C"

JRU DI 8 WARBONNET 706H LOCATED 1,125 FEET FROM THE SOUTH LINE AND 1,835 FEET FROM THE WEST LINE OF SECTION 36, TOWNSHIP 22 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	11/17/2023	1" = 200'	618.013002.09-24
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
RP	RD	1	1 OF 3

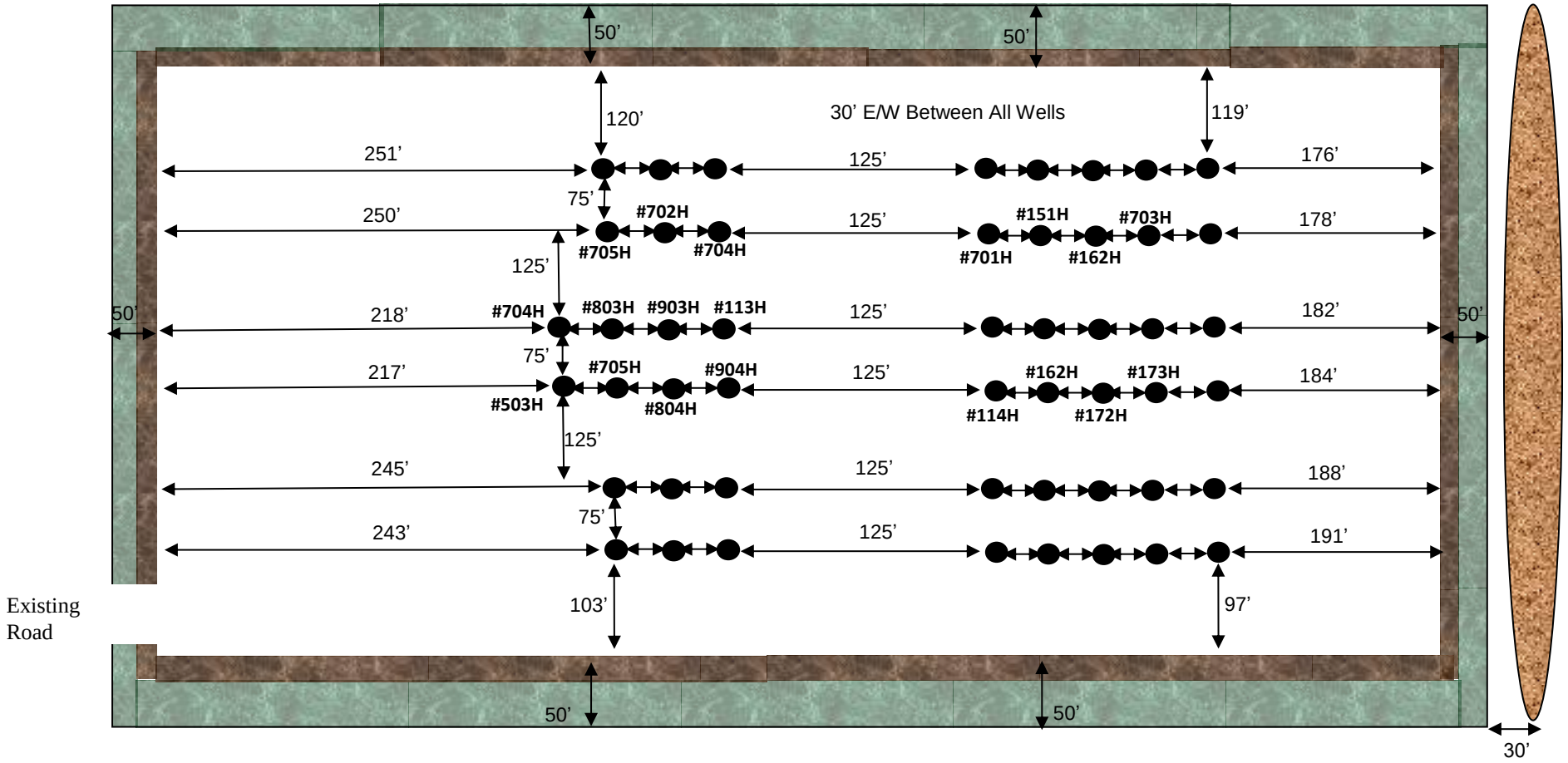
P:\618.013 XTO Energy - NM\002 James Ranch Unit\09 - DI 8 - EDDY\Wells\-24 - W 706H\DWG\PACKET\W 706H WELL SITE.dwg

Rig Plat Layout



Interim Reclamation Diagram

JRU DI 8: Warbonnet Wells: 704H, 803H, 903H, 113H, 503H, 705H, 804H, 904H, 114H, 162H, 172H, 173H
Drilled wells: 705H, 702H, 704H, 701H, 151H, 162H, 703H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

Ditch & Berm

Topsoil

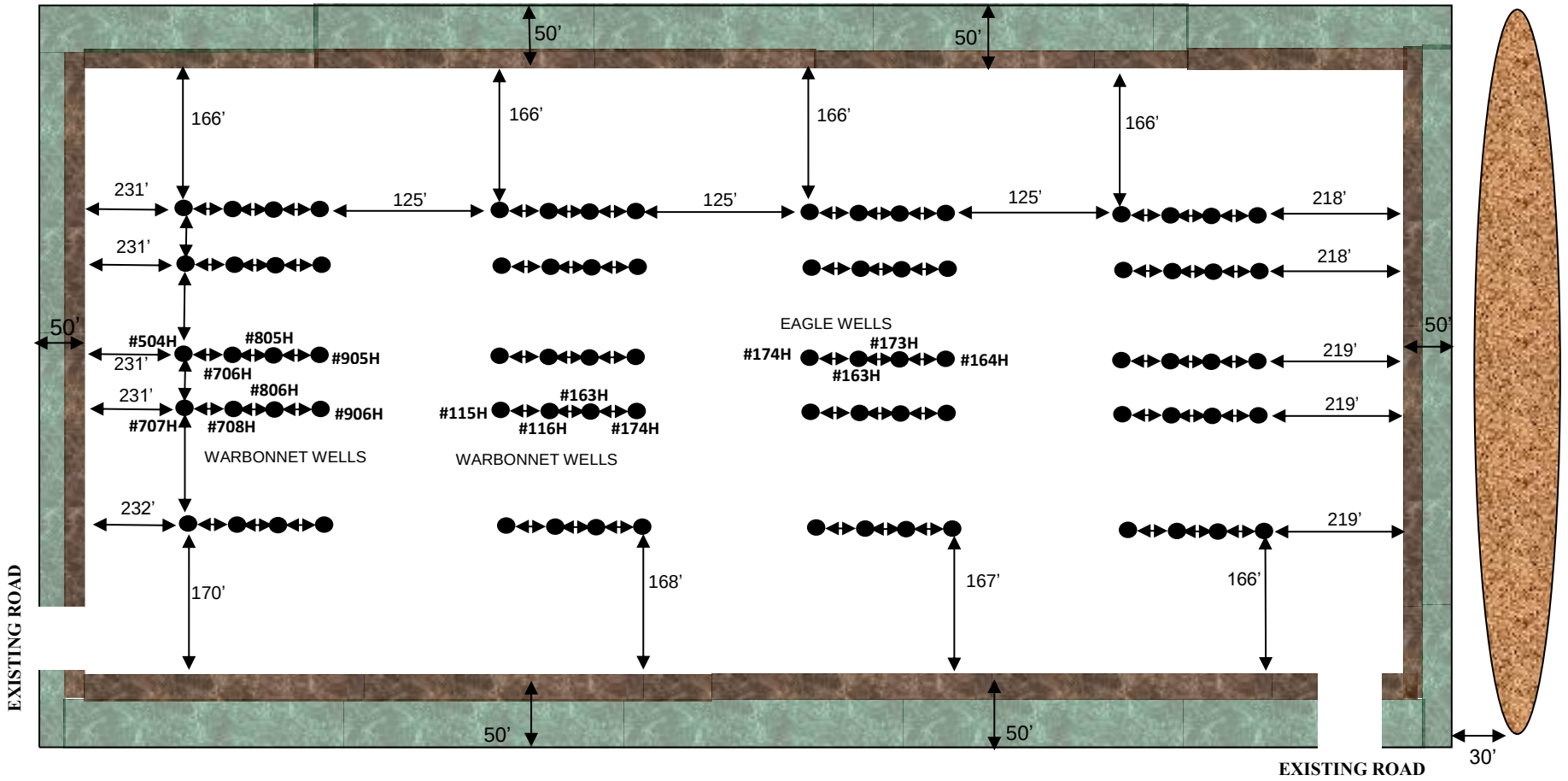
*Diagram Not to Scale

Interim Reclamation Diagram

JRU DI 8: Eagle Wells: 163H, 164H, 173H, 174H

Warbonnet Wells: 504H, 706H, 805H, 905H, 707H, 708H, 806H, 906H, 115H, 116H, 163H, 174H

All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

Ditch & Berm

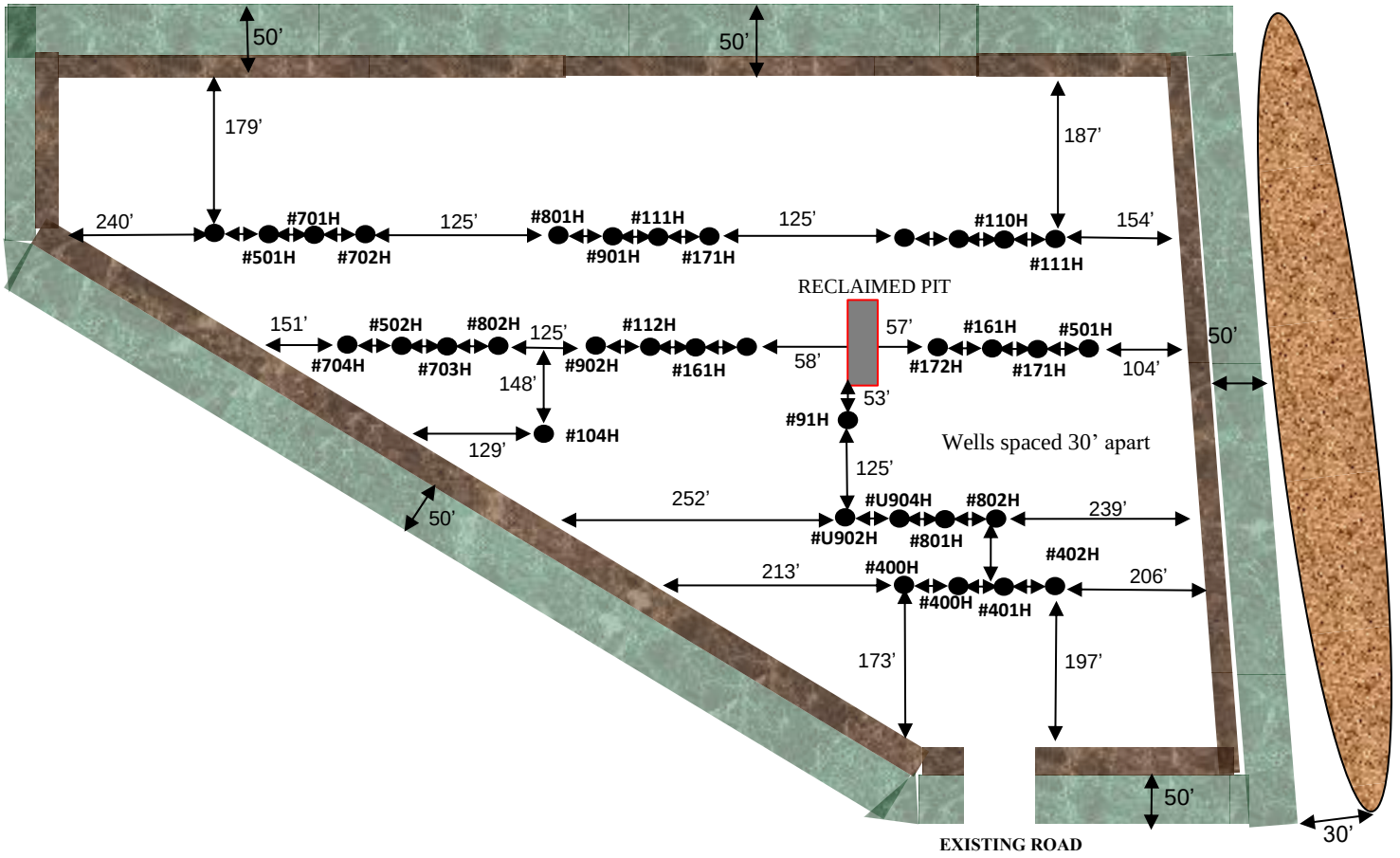
Topsoil

*Diagram Not to Scale

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Interim Reclamation Diagram

JRU DI 8: Eagle Wells: 172H, 171H, 501H, 161H, U902H, U904H, 801H, 802H, 400H, 401H, 402H
Warbonnet Wells: 501H, 701H, 702H, 801H, 901H, 111H, 171H, 704H, 502H, 703H, 802H, 902H, 112H, 161H, 400H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

Ditch & Berm

Topsoil

*Diagram Not to Scale

Well Site Locations

The results of the James Ranch Unit DI 8 Development Program will develop economic quantities of oil and gas in the 'James Ranch Unit DI 8' development area with multiple primary formations targeted. Well locations are determined based on cross-section variations and details. Locations will be selected to minimize the likelihood of encountering faults and/or drilling hazards while still targeting suitably productive zones.

If drilling results in an unproductive well, the well will be plugged and abandoned as soon as practical after the conclusion of production testing. Productive wells may be shut-in temporarily for BLM authorization for production activities and facilities.

Well Name	SHL N/S Footage (ft)	SHL N/S Footage Line	SHL E/W Footage (ft)	SHL E/W Footage Line
JRU DI 8 Warbonnet 902H	1854	FNL	1790	FWL
JRU DI 8 Warbonnet 903H	2313	FSL	1561	FWL
JRU DI 8 Warbonnet 906H	1050	FSL	1895	FWL
JRU DI 8 Warbonnet 111H	1733	FNL	1792	FWL
JRU DI 8 Warbonnet 112H	1854	FNL	1820	FWL
JRU DI 8 Warbonnet 113H	2313	FSL	1591	FWL
JRU DI 8 Warbonnet 115H	1050	FSL	2020	FWL
JRU DI 8 Warbonnet 116H	1050	FSL	2050	FWL
JRU DI 8 Warbonnet 801H	1733	FNL	1732	FWL
JRU DI 8 Warbonnet 802H	1853	FNL	1665	FWL
JRU DI 8 Warbonnet 803H	2314	FSL	1531	FWL
JRU DI 8 Warbonnet 701H	1732	FNL	1577	FWL
JRU DI 8 Warbonnet 702H	1732	FNL	1607	FWL
JRU DI 8 Warbonnet 703H	1853	FNL	1635	FWL
JRU DI 8 Warbonnet 704H	2314	FSL	1501	FWL
JRU DI 8 Warbonnet 705H	2239	FSL	1530	FWL
JRU DI 8 Warbonnet 706H	1125	FSL	1835	FWL
JRU DI 8 Warbonnet 161H	1854	FNL	1850	FWL
JRU DI 8 Warbonnet 162H	2236	FSL	1745	FWL
JRU DI 8 Warbonnet 163H	1050	FSL	2080	FWL
JRU DI 8 Warbonnet 171H	1733	FNL	1822	FWL
JRU DI 8 Warbonnet 172H	2236	FSL	1775	FWL
JRU DI 8 Warbonnet 173H	2235	FSL	1805	FWL
JRU DI 8 Warbonnet 174H	1050	FSL	2110	FWL
JRU DI 8 Warbonnet 501H	1732	FNL	1547	FWL
JRU DI 8 Warbonnet 502H	1853	FNL	1605	FWL
JRU DI 8 Warbonnet 503H	2239	FSL	1500	FWL
JRU DI 8 Warbonnet 504H	1125	FSL	1805	FWL

Well Name	SHL N/S Footage (ft)	SHL N/S Footage Line	SHL E/W Footage (ft)	SHL E/W Footage Line
JRU DI 8 Eagle 161H	1855	FNL	2065	FWL
JRU DI 8 Eagle 164H	1125	FSL	2325	FWL
JRU DI 8 Eagle 163H	1125	FSL	2265	FWL
JRU DI 8 Eagle 171H	1855	FNL	2095	FWL
JRU DI 8 Eagle 172H	1854	FNL	2035	FWL
JRU DI 8 Eagle 173H	1125	FSL	2295	FWL
JRU DI 8 Eagle 174H	1125	FSL	2235	FWL

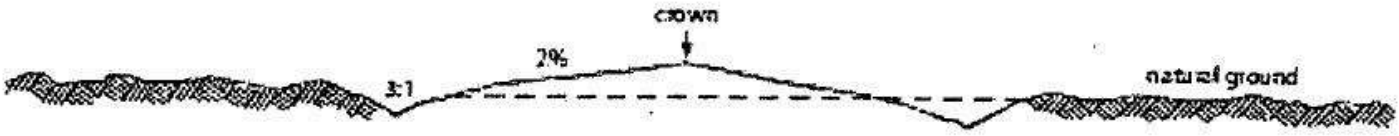
Surface Use Plan

1. **Existing Roads**
   A. The James Ranch Unit DI 8 development area is accessed from the intersection of Jal Highway (St. Hwy. 128) and WIPP Rd. Go Northeast on WIPP Rd approximately 0.8 miles to an intersection. Turn left (Northwest) on lease road and go approximately 0.4 miles to a 'T' intersection. Turn right (North) on lease road and go approximately 0.3 miles to an intersection. Turn right (Northeast) on lease road and go approximately 0.4 miles to an intersection. Turn left (West) on lease road and go approximately 0.3 miles. Turn right (Northwest) on lease road and go approximately 0.3 miles. The location is to the Northwest. Transportation Plan identifying existing roads that will be used to access the project area is included from Frank's Surveying marked as, 'Vicinity Map.'
   B. There are existing access roads to the proposed James Ranch Unit DI 8 well locations. All equipment and vehicles will be confined to the routes shown on the Vicinity Map as provided by Frank's Surveying. Maintenance of the access roads will continue until abandonment and reclamation of the well pads is completed.

2. **New or Upgraded Access Roads**
   A. **New Roads**. No additional road is required to access the James Ranch Unit DI 8 project area.
   B. **Well Pads**. The well pads selected for development will determine which existing roads will be upgraded and which new roads will be built. The lease flow diagram shows the location of proposed roads that will need to be constructed to access the well pads.

   C. **Anticipated Traffic**. After well completion, travel to each well site will include one lease operator truck. The Central Battery will require one lease operator truck to continually travel to each well site to monitor the working order of the wells and to check well equipment for proper operation. Additional traffic will include one maintenance truck periodically throughout the year for pad upkeep and weed removal. Well service trips will include only the traffic necessary to work on the wells or provide chemical treatments periodically and as needed throughout the year.

   D. **Routing**. All equipment and vehicles will be confined to the travel routes laid out in the vicinity map provided by Frank's Surveying unless otherwise approved by the BLM and applied for by XTO Permian Operating, LLC.
   E. **Road Dimensions**. The maximum width of the driving surface of new roads will be 20 feet. The roads will be crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 1 foot deep with 3:1 slopes. The driving surface will be made of 6" rolled and compacted caliche.



Level Ground Section

F. **Surface Material**. Surface material will be native caliche. The average grade of all roads will be approximately 3%.
G. **Fence Cuts**: No.
H. **Fences**: No.
I. **Cattle Guards**: No.
J. **Turnouts**: No.
K. **Culverts**: No.
L. **Cuts and Fills**: Not significant.
M. **Topsoil**. Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road prior to any further construction activity. The topsoil that was stripped will be spread along the edge of the road and within the ditch. The topsoil will be seeded with the proper seed mix designated by the BLM.
N. **Maintenance**. The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.
O. **Drainage**. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

3. Location of Existing Wells

A. See attached 1-mile radius well map.

4. Ancillary Facilities

A. **Ancillary Facilities**. No off-pad ancillary facilities are planned during the exploration phase including, but not limited to: campsites, airstrips or staging areas.

5. Location of Proposed Production Facilities

A. **Production Facilities**. No additional tank battery is required or being applied for on the James Ranch Unit DI 8 project. If the wells are economically capable of production,t hey will flow to the existing James Ranch Unit DI 8 **CVB** previously approved by the BLM located on New Mexico State land in the SWNW, Section 36-22S-30E (Centerpoint: **393'** FWL & **2292'** FNL). No additional surface disturbance is anticipated.
B. **Buried & Surface Flowlines**. No additional flowlines are required or requested for the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated.
C. **Gas & Oil Pipeline**. Oil and gas pipelines are not required or requested for the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated.
D. **Disposal Facilities**. Produced water will be hauled from location to a commercial disposal facility as needed.
E. **Flare**. A flare is not requested or being applied for on the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated.

F. **Aboveground Structures**. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as 'shale green' that reduce the visual impacts of the built environment.

G. **Containment Berms**. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1.5 times the capacity of the largest tank and away from cut or fill areas.

H. **Electrical**. No additional electric lines are requested or being applied for on the James Ranch Unit DI 8 project area. No additional surface disturbance is anticipated.

6. Location and Types of Water Supply

The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 7 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location.

Water for drilling, completion and dust control will be purchased from the following company:

Texas Pacific Water Resources

Water for drilling, completion and dust control will be supplied by Texas Pacific Water Resources for sale to XTO Permian Operating, LLC. from Section 27, T25S-R30E, Eddy County, New Mexico. In the event that Texas Pacific Water Resources does not have the appropriate water for XTO Permian Operating, LLC. at time of drilling and completion, then XTO Permian Operating, LLC. water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, New Mexico.

Anticipated water usage for drilling includes an estimated 35,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation.

Temporary water flowlines will be permitted via ROW approval letter and proper grants as-needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 300,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections.

7. Construction Activities

A. Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities.

B. Any construction material that may be required for surfacing of the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from federal lands without prior approval from the appropriate surface management agency. All roads and well pads will be constructed of 6" rolled and compacted caliche.

Caliche Pit Location: 32.330647, -103.815127

8. Methods for Handling Waste

- **Cuttings**. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site.

- **Drilling Fluids**. These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility.
- **Produced Fluids**. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.
- **Sewage**. Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- **Garbage and Other Waste Materials.** All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.
- **Debris**. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned and removed from the well location. No potential adverse materials or substances will be left on location.
- **Hazardous Materials.**
    i. All drilling wastes identified as hazardous substances by the Comprehensive Environmental Response Compensation Liability Act (CERCLA) removed from the location and not reused at another drilling location will be disposed of at a hazardous waste facility approved by the U.S. Environmental Protection Agency (EPA).
    ii. XTO Permian Operating, LLC. and its contractors will comply with all applicable Federal, State and local laws and regulations, existing or hereafter enacted promulgated, with regard to any hazardous material, as defined in this paragraph, that will be used, produced, transported or stored on the oil and gas lease. “Hazardous material” means any substance, pollutant or contaminant that is listed as hazardous under the CERCLA of 1980, as amended, 42 U.S.C 9601 et seq., and its regulation. The definition of hazardous substances under CERLCA includes any ‘hazardous waste” as defined in the RCRA of 1976, as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous material also includes any nuclear or nuclear by-product material as defined by the Atomic Energy Act of 1954, as amended, 42 U.C.S. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101 (14) U.S.C. 9601 (14) nor does the term include natural gas.
    iii. No hazardous substances or wastes will be stored on the location after completion of the well.
    iv. Chemicals brought to location will be on the Toxic Substance Control Act (TSCA) approved inventory list.
    v. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in Notice to Lessees (NTL) 3A will be reported to the BLM Carlsbad Field Office. Major events will be reported verbally within 24 hours, followed by a written report within 15 days. “Other than Major Events” will be reported in writing within 15 days.

9. Well Site Layout

A. **Rig Plat Diagrams**: There are 3 multi-well pads in the James Ranch Unit DI 8 lease previously approved. This allows enough space for cuts and fills, topsoil storage, and storm water control. A well list is attached to this application. Interim reclamation of these pads is anticipated after the drilling and completion of all wells on the pad.

B. **Closed-Loop System**: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.

C. **V-Door Orientation**: The wells were staked with multiple v-door orientations. The following list is from North to South in accordance to the staked section and as agreed upon with Jeffery Robertson, BLM Natural Resource Specialist, present at on-site inspection.
   1. Pad 1 has a V-Door Orientation of West.
   2. Pad 2 has a V-Door Orientation of East.
   3. Pad 3 has a V-Door Orientation of West.

D. A 600' x 600' area has been staked and flagged around each well pad. A plat for the well has been attached.

E. All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad and topsoil storage areas).

10. Plans for Surface Reclamation:

XTO Permian Operating, LLC. requests a variance from interim reclamation until all drilling and completion activities have been finished on the pads as these are multi-well pads where drilling and completion will be consecutive with the other wells on the pad. Reseeding of the topsoil stockpile in place will occur to maintain topsoil vitality until interim reclamation ensues. Once activities are completed, XTO Permian Operating, LLC. will coordinate interim reclamation with the appropriate BLM personnel or use the following plan:

Non-Commercial Well (Not Productive), Interim & Final Reclamation:

Definition: Reclamation includes disturbed areas where the original landform and a natural vegetative community will be restored and it is anticipated the site will not be disturbed for future development.

Reclamation Standards:

The portions of the pad not essential to production facilities or space required for workover operations will be reclaimed and seeded as per BLM requirements for interim reclamation. (See Interim Reclamation plats attached).

All equipment and trash will be removed, and the surfacing material will be removed from the well pad and road and transported to the original caliche pit or used to maintain other roads. The location will then be ripped and seeded.

The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded

A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.

Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

The site will be free of State-or County-listed noxious weeds, oil field debris and equipment, and contaminated soil. Invasive and non-native weeds will be controlled.

Seeding:

- Seedbed Preparation: Initial seedbed preparation will consist of recontouring to the appropriate interim or final reclamation standard. All compacted areas to be seeded will be ripped to a

minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches. If the site is to be broadcast seeded, the surface will be left rough enough to trap seed and snow, control erosion, and increase water infiltration.

- If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
- Seed Application. Seeding will be conducted no more than two weeks following completion of final seedbed preparation. A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used.
- If the site is harrowed or dragged, seed will be covered by no more than 0.25 inch of soil.

11. Surface Ownership

A. Within the James Ranch Unit DI 8 project area: 100% of the surface is under the administrative jurisdiction of the New Mexico State Land Office [NMSLO].

B. The surface is multiple-use with the primary uses of the region for grazing and for the production of oil and gas.

12. Other Information

Drill Island

- **Drill Island.** The proposed drill island is requested as use for oil and gas operations inside of the Secretary's Order of Potash Area (SOPA). The island requested will be used for surface hole locations for wells productive of oil and gas with no surface hole planned outside of the boundary of the onsited and approved drill island. The total penetrable space of the drill island is: 1693'x2748' (based on maximum footages of the two longest 2-sides)

  West Half: 50.82acres [Centerpoint: 1542'FWL & 2144'FSL, 36-22S-30E]
  East Half: 47.57acres [Centerpoint: 2315'FWL & 2188'FSL, 36-22S-30E]

  The total size of the drill island is anticipated to be to: 1693'x2748' (based on maximum footages of the two longest 2-sides) or a total of 98.39 acres.

  160 wells are currently planned on the James Ranch Unit DI 8.

  A current detailed plat of the drill island is attached depicting shallow and deep designation areas, proposed well pads, pipelines, and existing well pads. Shallow and deep designation areas were determined post-onsite based on ¼ mile or ½ mile from the edge of the drill island to existing mine workings as depicted in BLM shape files.

  It was determined during onsite that surface disturbance can be associated with the drill island to all four compass directions based on state regulations.

- **Well Sites**. Three (3) well pad locations have been staked on the drill island, known as James Ranch Unit DI 8. Surveys of the drill island location have been completed by FSC, Inc., a registered professional land surveyor and are attached to this application. Center stake surveys with access roads have been completed on State and Federal lands with Jeffery Robertson, Bureau of Land Management Natural Resource Specialist, and Jim Rutley, Bureau of Land Management Geologist, in attendance. Well pads are allowed to fall off of the proposed edge of the drill island while surface holes must remain on the drill island. Approval of the drill island does not constitute approval to drill. An APD must be submitted and approved for each well located on the drill island prior to any surface disturbance or drilling activity.
  - The wellbore paths will not leave the 1037'x531' (based on maximum footages of the two longest 2-sides) drill island until the salt zone is cased and protected pursuant to NMOCD Order R-111-P.
  - A full list of XTO Permian Operating, LLC wells anticipated to be located on James Ranch Unit DI 8 is attached, tabulated by well pad.

- No additional surface disturbance from previous approvals is applied for or anticipated.
- This project is Fee-Fee-Fed.

- **Cultural Resources – Archaeology**: The proposed drill island is within the PA. A MOA payment for the drill island and central tank battery has been submitted to the Bureau of Land Management coinciding with the first well application.

- **Facility.** The proposed Central Tank Battery is located off of the proposed drill island to the West as depicted on the detailed drill island plat (included).

- **Dwellings and Structures**. There are no dwellings or structures within 2 miles of this location.

Surveying

- **Well Sites**. Well pad locations have been staked. Surveys of the proposed access roads and well pad locations have been completed by Frank Surveying, a registered professional land surveyor. Center stake surveys with access roads have been completed on State and Federal lands with Jeffery Robertson, Bureau of Land Management Natural Resource Specialist, and Jim Rutley, Bureau of Land Management Geologist, in attendance.

Soils and Vegetation

- **Environmental Setting**. Soils are classified of Reeves soils. These soils are associated with the loamy ecological site which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, American tarbush, cholla, and cresoste.

- **Traffic**. No truck traffic will be operated during periods or in areas of saturated ground when surface rutting could occur. The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access road route.

- **Water**. There is no permanent or live water in the immediate or within the project area.

13. **Bond Coverage**

Bond Coverage is Nationwide. Bond Number: COB000050

Operator's Representatives:

The XTO Permian Operating, LLC. representatives for ensuring compliance of the surface use plan are listed below:

Surface:

Robert Bartels
Assistant Superintendent-Construction
XTO Energy, Incorporated
6401 Holiday Hill Road, Bldg 5
Midland, Texas 79707
406-478-3617
robert.e.bartels@exxonmobil.com

AFMSS

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

PWD Data Report

10/12/2025

APD ID: 10400096335 **Submission Date:** 01/18/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description :

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: JAMES RANCH UNIT DI 8 WARBONNET **Well Number:** 706H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

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

Bond Info Data

10/12/2025

APD ID: 10400096335
Submission Date: 01/18/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: JAMES RANCH UNIT DI 8 WARBONNET
Well Number: 706H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: COB000050

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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

Sundry Print Report

04/20/2026

Well Name: JAMES RANCH UNIT DI 8 W FED COM

Well Location: T22S / R30E / SEC 36 / SESW / 32.344421 / -103.836998

County or Parish/State: EDDY / NM

Well Number: 706H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02952A

Unit or CA Name: JAMES RANCH UNIT

Unit or CA Number: NMNM70965X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

MOST RECENTLY APPROVED SUNDRY

Notice of Intent

Sundry ID: 2899596

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/10/2026

Time Sundry Submitted: 04:07

Date proposed operation will begin: 03/27/2026

Procedure Description: James Ranch Unit DI 8 W Fed Com 706H APD ID# 10400096335 XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes include SHL, KOP, FTP, LTP, BHL, Proposed Total Depth, Pool Name, Dedicated Acres, Casing Design, Cement Program, Mud Circulation System. FROM: TO: SHL: 1125' FSL & 1835' FWL OF SECTION 36-T22S-R30E 1125' FSL & 1865' FWL OF SECTION 36-T22S-R30E KOP: 1125' FSL & 1835' FWL OF SECTION 36-T22S-R30E 1669' FSL & 2031' FWL OF SECTION 36-T22S-R30E FTP: 1650' FSL & 2300' FWL OF SECTION 36-T22S-R30E 1583' FSL & 1320' FWL OF SECTION 36-T22S-R30E LTP: 1650' FSL & 2575' FEL OF SECTION 33-T22S-R30E 1562' FSL & 100' FWL OF SECTION 33-T22S-R30E BHL: 1650' FSL & 2625' FEL OF SECTION 33-T22S-R30E 1562' FSL & 50' FWL OF SECTION 33-T22S-R30E The proposed total depth is changing from 25807’ MD/ 9751’ TVD to 27330’ MD/ 9542’ TVD The Pool Name Changing from WC-015 G-06 S243119C; BONE SPRING to LOS MEDANOS; BONE SPRING. The Dedicated Acreage is changing from 480.00 to 2240.00 No new Surface Disturbance. See attached drilling program for the updated casing design, cement program and the mud circulation system.

NOI Attachments

Procedure Description

James_Ranch_Unit_DI_8_W_Fed_Com_706H_Sundry_Attachment_20260310113643.pdf

Released to Imaging: 7/8/2026 10:10:46 AM

Well Name: JAMES RANCH UNIT DI 8 W FED COM

Well Location: T22S / R30E / SEC 36 / SESW / 32.344421 / -103.836998

County or Parish/State: EDDY / NM

Well Number: 706H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02952A

Unit or CA Name: JAMES RANCH UNIT

Unit or CA Number: NMNM70965X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

JRU_DI_8_W_FED_COM_706H_COA_20260417090146.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: SRINIVAS LAGHUVARAPU

Signed on: MAR 10, 2026 04:07 PM

Name: XTO PERMIAN OPERATING LLC

Title: REGULATORY ANALYST

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (720) 539-1673

Email address: SRINIVAS.N.LAGHUVARAPU@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: 04/20/2026

Signature: Chris Walls

Released to Imaging: 7/8/2026 10:10:46 AM

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

2. Name of Operator

9. API Well No. 30-015-58470

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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

The proposed total depth is changing from 25807 MD/ 9751 TVD to 27330 MD/ 9542 TVD

The Pool Name Changing from WC-015 G-06 S243119C; BONE SPRING to LOS MEDANOS; BONE SPRING.

The Dedicated Acreage is changing from 480.00 to 2240.00

No new Surface Disturbance.

See attached drilling program for the updated casing design, cement program and the mud circulation system.

Location of Well

0. SHL: SESW / 1125 FSL / 1835 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.344421 / LONG: -103.836998 (TVD: 0 feet, MD: 0 feet)
PPP: NESW / 1650 FSL / 2300 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.345861 / LONG: -103.835488 (TVD: 9751 feet, MD: 10200 feet)
PPP: NESE / 1650 FSL / 0 FWL / TWSP: 22S / RANGE: 30E / SECTION: 35 / LAT: 32.345878 / LONG: -103.842936 (TVD: 9751 feet, MD: 12500 feet)
BHL: NWSE / 1650 FSL / 2625 FEL / TWSP: 22S / RANGE: 30E / SECTION: 33 / LAT: 32.34597 / LONG: -103.886115 (TVD: 9751 feet, MD: 25807 feet)

CONFIDENTIAL

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
WELL NAME & NO.:	JRU DI 8 W FED COM 706H
LOCATION:	36-22S-30E- NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2899596** on 4/17/2026. Any previous COAs not addressed within the updated COAs still apply.*

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Present	Medium	Waste Minimization Plan

Potash	R-111-Q Design
R-111-Q & WIPP	4-String: Open 1st Int x 2nd Annulus (ICP 2 below Relief Zone)

Wellhead	Casing	Cementing
Multibowl	4-String Well	DV Tool, Bradenhead, Echometer
Flex Hose	☐ Liner ☑ Fluid Filled ☐ Casing Clearance	Offline Cement, Open Annulus, Pilot Hole
Break Testing		

Special Requirements

☐ Capitan Reef ☐ Water Disposal ☑ COM ☐ Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H_2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation(s). As a result, the Hydrogen Sulfide area must meet all requirements from 43 CFR 3176, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.

B. CASING

1. The **20** inch surface casing shall be set at approximately **575** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including 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.

1st Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **13-3/8** inch 1st intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.
    - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.

2nd Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the **7-5/8** inch 2nd Intermediate casing is **500 feet** into the previous casing but not higher than **USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.)**
    - Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.
    - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.

    Bradenhead Squeeze: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.
    a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon**. **Excess calculates to 0%. Additional cement maybe required.**
    b. **Second stage:** Operator to squeeze and top-out. Cement to meet requirements listed for this casing string. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down **Intermediate 1 X Intermediate 2** annulus. Submit results to the BLM. If cement does not tie back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

- Operator shall run a CBL from TD of the **Surface** casing to tieback requirements after the second stage BH to verify TOC.
- **A monitored open annulus will be incorporated during completion by leaving the above annulus un-cemented and monitored.** Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days.**
- Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**
- Pressure monitoring device and Pressure Safety Valves must be installed at surface on both the intermediate annulus and the production annulus for the life of the well.
- **In the event of a casing failure during completion,** the operator **must** contact the BLM at engineers (575-706-2779) and inspection staff (575-361-2822 Eddy County).

4. The minimum required fill of cement behind the **6** inch production casing is **500 feet** into the previous casing but not higher than **USGS Marker Bed No. 126 (base of the McNutt Potash ore zone.)**
    - Operator must verify top of cement per R-111-Q requirements. Submit results to the BLM. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.
    - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry** due to the presence of cave/karst, Capitan Reef, or potash features.

C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. **A Diverter system is approved as a variance to drill the intermediate casing section.**
    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

2. 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).

3. Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
   a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drill the production hole section.**
   b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
   c. 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).
   d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
   e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. 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.

D. SPECIAL REQUIREMENT(S)

Communitization Agreement:

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

WIPP Notification Requirements:

The project is being drilled within one mile of the Waste Isolation Pilot Plant (WIPP). WIPP has asked BLM to request operator to report any fluid flow encountered through the Salado, especially at top of Castile Formation. Please send this information to BLM Geology in care of jrutley@blm.gov.

The proposed surface well or bottom hole is located within 330 feet of the WIPP Land Withdrawal Area boundary. As a result, the operator is required to submit daily drilling reports, logs and deviation survey information to the Bureau of Land Management Engineering Department and the U.S. Department of Energy per requirements of the Joint Powers Agreement until a total vertical depth of 7,000 feet is reached. These reports will have, at a minimum, the depth of any excess mud returns (brine flows), the rate of penetration and a clearly marked section showing the deviation for each 500-foot interval. Operator may be required to do more frequent deviation surveys based on the daily information submitted and may be required to take other corrective measures. Information will also be provided to the New Mexico Oil Conservation Division after drilling activities have been completed. Upon completion of the well, the operator shall submit a complete directional survey. Any future entry into the well for purposes of completing additional drilling will require supplemental information.

Any oil and gas well operator drilling within one mile of the WIPP Boundary must notify WIPP as soon as possible if any of the following conditions are encountered during oil and gas operations:

a) Indication of any well collision event,
b) Suspected fluid flow (oil, gas, or produced water) outside of casing,
c) Sustained annulus pressure between the 1st intermediate and next innermost casing string in excess of 500 psi above the baseline pressure of the well, or above 1500 psi total,
d) Increasing pressure buildup rates (psi/day) across multiple successive bleed-off cycles on the annulus between the 1st intermediate and next innermost casing during well production
e) Sustained losses in excess of 50% through the salt formation during drilling.

The operator can email the required information to OilGasReports@wipp.ws. Attached files must not be greater than 20 MB. Call WIPP Tech Support at 575-234-7422, during the hours 7:00am to 4:30pm, if there are any issues sending to this address.

Offline Cementing

Offline cementing has been approved for **all hole sections.** 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)

For multi-well pads, notifications for the following operations may be made together going from one well to the next. This does NOT apply to notifications for wells in the R111Q potash area:

- Casing run
- Offline cementing
- Break testing

Contact Eddy County Petroleum Engineering Inspection Staff:

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator 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 swell.
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 always be operational 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 doghouse 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 & CEMENT

1. The current acceptable methods of cement verification are as follows:
    i. Observing cement circulated to surface,
    ii. Cement Bond Log (CBL),
    iii. Temperature log within 8-10 hours after completing the cement job,
    iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. 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.
3. 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.
4. 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.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Well specific cement details must be onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. 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.
8. If hard band 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.

9. 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. (This 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 -our 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 because of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Approved by Zota Stevens on 4/17/2026
zstevens@blm.gov / 575-234-5998

Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONVERSION DIVISION	C-102 Revised July, 09 2024 Submit Electronically via OCD permitting Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015- 58470	40295	LOS MEDANOS; BONE SPRING

Property Code	Property Name	Well Number
339269	JAMES RANCH UNIT DI 8 W FED COM	706H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,302'

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
N	36	22S	30E		1,125 FSL	1,865 FWL	32.344421	-103.836901	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	33	22S	30E		1,562 FSL	50 FWL	32.345747	-103.894776	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
2,240.00	INFILL		N	C

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
K	36	22S	30E		1,669 FSL	2,031 FWL	32.345914	-103.836360	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	36	22S	30E		1,583 FSL	1,320 FWL	32.345683	-103.838663	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	33	22S	30E		1,562 FSL	100 FWL	32.345746	-103.894614	EDDY

Unitized Area or Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM-070965X		3,302'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

L. Srinivas Naveen 3/10/26

Signature Date

Srinivas Naveen Laghuvarapu

Printed Name

srinivas.n.laghuvarapu@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

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

2/11/2026 — Date of Survey

DN 618.013002.09-24

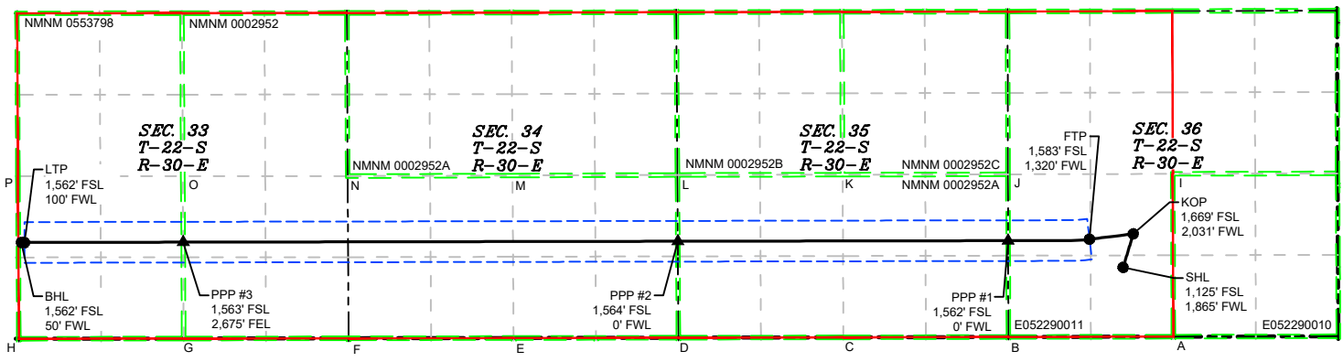
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

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ACREAGE DEDICATION PLATS

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

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



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	**694,648.3**	**489,387.6**	**32.344421**	**-103.836901**	**653,466.3**	**489,327.4**	**32.344298**	**-103.836409**
KOP	**694,812.8**	**489,931.6**	**32.345914**	**-103.836360**	**653,630.8**	**489,871.3**	**32.345791**	**-103.835868**
FTP	**694,102.1**	**489,844.3**	**32.345683**	**-103.838663**	**652,920.1**	**489,784.0**	**32.345560**	**-103.838171**
LTP	**676,823.1**	**489,792.0**	**32.345746**	**-103.894614**	**635,641.1**	**489,731.5**	**32.345623**	**-103.894120**
BHL	**676,773.1**	**489,791.9**	**32.345747**	**-103.894776**	**635,591.1**	**489,731.4**	**32.345623**	**-103.894282**
PPP1	**692,782.1**	**489,821.2**	**32.345636**	**-103.842937**	**651,600.1**	**489,760.9**	**32.345513**	**-103.842445**
PPP2	**687,423.2**	**489,811.3**	**32.345675**	**-103.860290**	**646,241.2**	**489,751.0**	**32.345552**	**-103.859797**
PPP3	**679,397.9**	**489,796.7**	**32.345730**	**-103.886276**	**638,215.8**	**489,736.2**	**32.345607**	**-103.885783**

CORNER COORDINATE TABLE				
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	**695,462.6**	**488,264.2**	**654,280.5**	**488,204.0**
B	**692,786.1**	**488,258.8**	**651,604.0**	**488,198.6**
C	**690,110.2**	**488,252.7**	**648,928.2**	**488,192.4**
D	**687,432.9**	**488,247.4**	**646,250.8**	**488,187.2**
E	**684,758.2**	**488,242.1**	**643,576.2**	**488,181.8**
F	**682,081.9**	**488,237.8**	**640,899.8**	**488,177.3**
G	**679,406.3**	**488,234.1**	**638,224.2**	**488,173.6**
H	**676,731.7**	**488,229.9**	**635,549.7**	**488,169.4**
I	**695,453.8**	**490,904.4**	**654,271.8**	**490,844.2**
J	**692,779.9**	**490,896.8**	**651,597.9**	**490,836.5**
K	**690,097.4**	**490,891.5**	**648,915.4**	**490,831.2**
L	**687,416.5**	**490,886.2**	**646,234.6**	**490,825.8**
M	**684,741.7**	**490,877.4**	**643,559.7**	**490,817.0**
N	**682,066.2**	**490,868.5**	**640,884.2**	**490,808.0**
O	**679,392.2**	**490,868.0**	**638,210.2**	**490,807.5**
P	**676,717.2**	**490,867.5**	**635,535.2**	**490,807.0**

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

ExxonMobil
James Ranch Unit DI 8 W Fed Com 706H
Projected TD: 27330' MD / 9542' TVD
SHL: 1125' FSL & 1865' FWL , Section 36, T22S, R30E
BHL: 1562' FSL & 50' FWL , Section 33, T22S, R30E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	285'	Water
Salado	600'	Water
MB 126	1385'	Water
Base of Salt	3585'	Water
Delaware	3920'	Water
Cherry Canyon	4950'	Water/Oil/Gas
Brushy Canyon	6460'	Water/Oil/Gas
Bone Spring Lm.	7685'	Water/Oil/Gas
Avalon Sand	7785'	Water/Oil/Gas
Middle Avalon Carb	8225'	Water/Oil/Gas
Lower Avalon Shale	8265'	Water/Oil/Gas
1st Bone Spring Lime	8575'	Water/Oil/Gas
1st Bone Spring Sand	8995'	Water/Oil/Gas
2nd Bone Spring Lime	9205'	Water/Oil/Gas
2nd Bone Spring A Sand	9540'	Water/Oil/Gas
Landing	9542'	Water/Oil/Gas
2nd Bone Spring T/B Carb	9645'	Water/Oil/Gas

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 20" inch casing at 575' 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
26 / 24"	0' – 575'	575'	20"	94	J55	BTC	New	11.96	4.18	10.08
17.5"	0' – 3685'	3653'	13-3/8"	54.5	J55	BTC	New	2.43	1.43	3.17
12.25"	0' – 3785'	3751'	9-5/8"	40	P110-IC	BTC	New	4.33	5.23	3.21
12.25"	3785' – 8725'	8676'	9-5/8"	40	L80-IC	BTC	New	2.77	3.65	2.33
8.75 / 8.5"	0' – 27330'	9542'	6"	26	P110-ICY	Tenaris Wedge 461	New	1.18	3.68	3.05

Section 3 Summary:

Exxon Mobil will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 8875' MD / 8826' TVD.

Contingency to run 5.5" OD, 20 lb/ft, P110-ICY, Tenaris Wedge 441 production casing in place of the primary 6" OD. This casing string complies with all applicable industry standards and meets or exceeds the required casing design safety factors. Cement volumes will be optimized in accordance with the objectives outlined in Seciton 4: Cement Program.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 4-String Big Potash (Non-Capitan Reef) (Figure D)

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	392	12.4	2.11	0	575	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	679	14.8	1.33	275	575	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead	1746	12.9	2.02	0	3,685	50%	Intermediate 1 Class C Lead Cement
Intermediate 1	Tail	216	14.8	1.45	3385	3,685	50%	Intermediate 1 Class C Tail Cement
Intermediate 2	Lead							
Intermediate 2	Tail	489	14.8	1.45	6460	8,725	0%	Intermediate 2 Class C Tail Cement
Production 1	Lead							
Production 1	Tail	3669	13.2	1.44	8225	27,330	25%	Production 1 Class C Tail Cement

Breadenhead Cementing							
Casing	**Slurry Type**	**No. Sacks**	**Density (ppg)**	**Yield (ft3/sack)**	**Cemented Interval**	**Excess (%)**	**Slurry Description**
Intermediate 2	Bradenhead Squeeze	955	14.8	1.45	3185 - 6460'	35%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

XOM will comply with the R-111-Q requirements including (but not limited to):
1) Alignment with KPLA requirements per R-111-Q Figure D schematic, leaving open annulus open for pressure monitoring during frac and utilizing new casing that meets API standards.
2) Contingency plans in place to divert fluids away from salt interval in event of production casing failure.
3) Intermediate 2 primary cement job with TOC within Delaware Mountain Group with 0% excess & below the minimum 500' from intermediate 1 casing shoe.
   o Intermediate 2 bradenhead squeeze to be completed within 180 days after completions to tieback TOC to salt string at least 500ft but with top below Marker Bed 126.
4) Production cement to be tied back no less than 500ft inside previous casing shoe.

3B. Contingency Casing Design

Primary Design:

Hole Size	MD	Casing	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF	SF Tension
17.5	0' – 575'	575'	13-3/8"	54.5	J55	BTC	New	15.53	9.07	6.71
12.25	0' – 3685'	3653'	9-5/8"	40	J55	BTC	New	3.50	3.25	3.00
8.75	0' – 3785'	3751'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	2.16	3.16	1.61
8.75	3785' – 8725'	8676'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.32	5.57	1.92
6.75	0' – 8625'	8576'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	3.31	2.41
6.75	8625' – 27330'	9542'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	2.98	2.41

Section 3 Summary:

Exxon Mobil will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 8875' MD / 8826' TVD.

Exxon Mobil requests approval to maintain flexibility in the chosen well design leading up to setting surface casing. Either the primary 4-String Big Potash (Non-Captian Reef) (Figure D) well design or the contingent 4-String Slim Potash (Non-Capitan Reef) (Figure D) well design will be properly chosen ahead of drilling surface holes. All potential casing designs will comply with applicable regulatory requirements, and cement volumes and calculations will be updated to reflect any changes.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 4-String Slim Potash (Non-Capitan Reef) (Figure D)

Wellhead will be installed by manufacturer's representatives.

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

4B. Contingency Cement Program

Primary Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	181	12.4	2.11	0	575	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	313	14.8	1.33	275	575	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead	787	12.9	2.02	0	3,685	50%	Intermediate 1 Class C Lead Cement
Intermediate 1	Tail	97	14.8	1.45	3385	3,685	50%	Intermediate 1 Class C Tail Cement
Intermediate 2	Lead							
Intermediate 2	Tail	157	14.8	1.45	6460	8,725	0%	Intermediate 2 Class C Tail Cement
Production 1	Lead							
Production 1	Tail	1385	13.2	1.44	8225	27,330	25%	Production 1 Class C Tail Cement

2nd Stage Bradenhead Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 2	Bradenhead	306	14.8	1.45	3185 - 6460'	35%	Intermediate Class C Bradenhead

Section 4 Summary:

XOM will comply with the R-111-Q requirements including (but not limited to):
1) Alignment with KPLA requirements per R-111-Q Figure D schematic, leaving open annulus open for pressure monitoring during frac and utilizing new casing that meets API standards.
2) Contingency plans in place to divert fluids away from salt interval in event of production casing failure.
3) Intermediate 2 primary cement job with TOC within Delaware Mountain Group with 0% excess & below the minimum 500' from intermediate 1 casing shoe.
o Intermediate 2 bradenhead squeeze to be completed within 180 days after completions to tieback TOC to salt string at least 500ft but with top below Marker Bed 126.
4) Production cement to be tied back no less than 500ft inside previous casing shoe.

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.

No break testing will be done if intermediate casing point penetrates the Wolfcamp

Requested Variances

4A) Offline Cementing Variance
XOM requests the option to perform offline cement and bradenhead jobs (if needed) SURFACE, INTERMEDIATE, and PRODUCTION casing strings where batch drilling is approved. 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 of the intermediate hole section and the 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) Diverter Variance
Operator request a variance to utilize a temporary blowout preventer equipment (Diverter) to drill 1st intermediate section. This temporary diverter consist of a minimum 2M Hydril. Once the casing is run and cemented, and the multi-bowl wellhead system is installed and tested, the full BOP system with Hydril and rams will be installed before continue drilling or entering into a hydrocarbon bearing interval.

8A) Open Hole Logging Variance
Open hole logging is not planned 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' – 575'	26 / 24"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
575' – 3685'	17.5"	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.
3685' – 8725'	12.25"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions.
8725' – 27330'	8.75 / 8.5"	OBM / Cut Brine	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 20" casing.

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging is not planned on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

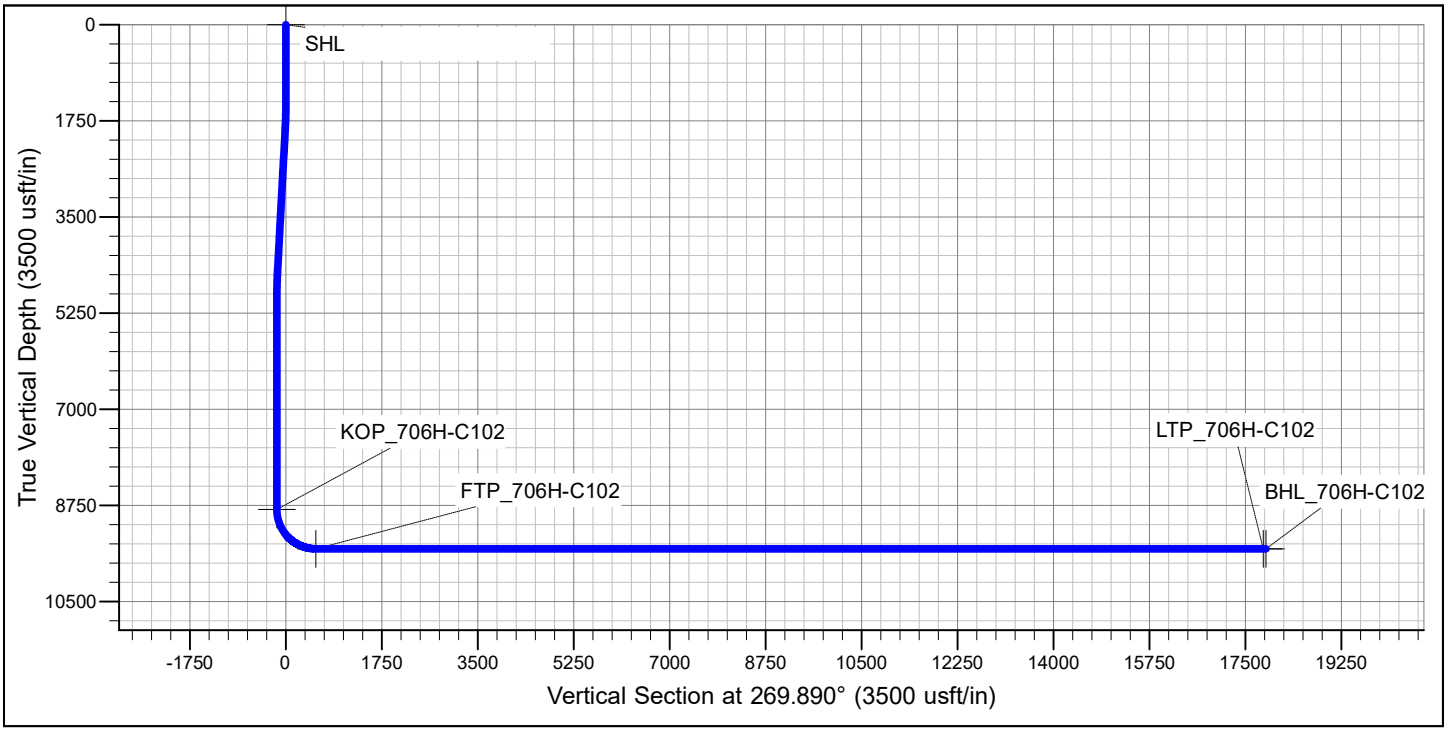
The estimated bottom hole temperature of 161F to 181F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

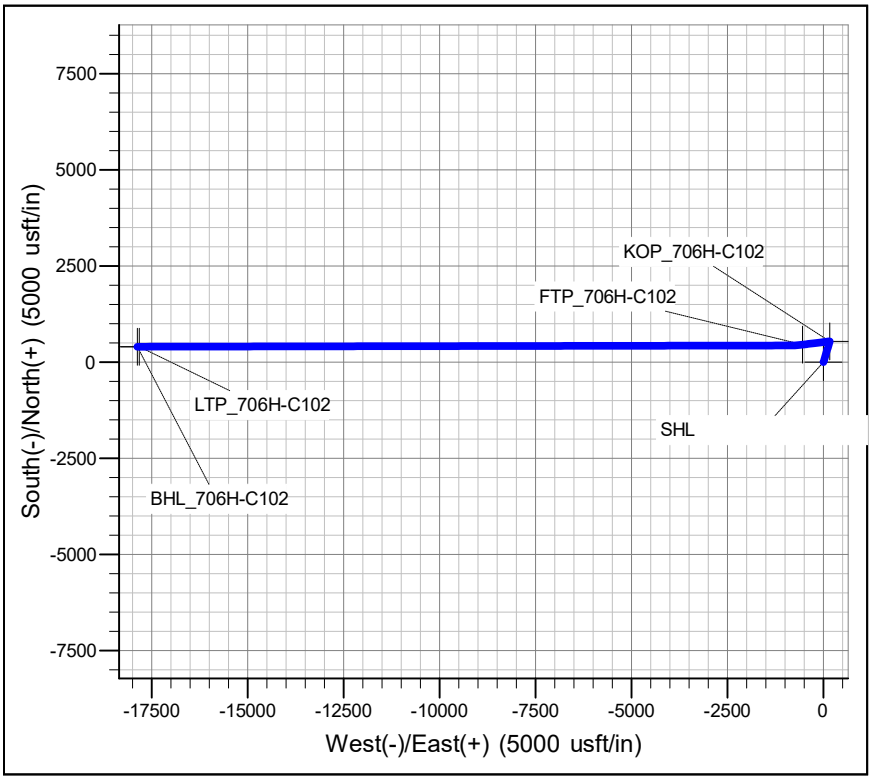
10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

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

Site: James Ranch Unit DI 8 W Fed Com Pad C - Plans
Well: James Ranch Unit DI 8 W Fed Com 706H
Wellbore: OH
Design: Plan 0.1





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
285.00	285.00	Rustler
600.00	600.00	Salado
1385.00	1385.00	MB 126
3585.00	3616.09	Base of Salt
3920.00	3956.76	Delaware
4950.00	4999.13	Cherry Canyon
6460.00	6509.14	Brushy Canyon
7685.00	7734.14	Bone Spring Lm.
7785.00	7834.14	Avalon Sand
8225.00	8274.14	Middle Avalon Carb
8265.00	8314.14	Lower Avalon Shale
8575.00	8624.14	1st Bone Spring Lime
8995.00	9045.75	1st Bone Spring Sand
9205.00	9274.55	2nd Bone Spring Lime
9540.00	9946.40	2nd Bone Spring A Sand
9542.00	9999.94	Landing

ROC

Long Lead - JRU Dl 8 W Fed Com (NAD27 NME)
James Ranch Unit Dl 8 W Fed Com Pad C - Plans
James Ranch Unit Dl 8 W Fed Com 706H

OH

Plan: Plan 0.1

Standard Planning Report

18 February, 2026

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Project Long Lead - JRU DI 8 W Fed Com (NAD27 NME)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site James Ranch Unit DI 8 W Fed Com Pad C - Plans

Site Position:		**Northing:**	489,327.20 usft	**Latitude:**	32° 20' 39.469 N
From:	Map	**Easting:**	653,496.30 usft	**Longitude:**	103° 50' 10.723 W
Position Uncertainty:	3.00 usft	**Slot Radius:**	13-3/16 "		

Well James Ranch Unit DI 8 W Fed Com 706H

Well Position	**+N/-S**	0.00 usft	**Northing:**	489,327.40 usft	**Latitude:**	32° 20' 39.473 N
	+E/-W	0.00 usft	**Easting:**	653,466.30 usft	**Longitude:**	103° 50' 11.073 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,302.00 usft
Grid Convergence:		0.27 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/30/2025	6.14	59.82	47,066.34424596

Design Plan 0.1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.890

Plan Survey Tool Program **Date** 2/18/2026

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	27,329.67	Plan 0.1 (OH)	XOM_R2OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-St	

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,923.46	10.47	16.827	1,920.56	45.65	13.81	2.00	2.00	0.00	16.83	
4,525.67	10.47	16.827	4,479.44	498.25	150.68	0.00	0.00	0.00	0.00	
5,049.14	0.00	0.000	5,000.00	543.90	164.49	2.00	-2.00	0.00	180.00	
8,874.94	0.00	0.000	8,825.80	543.90	164.49	0.00	0.00	0.00	0.00	
9,999.94	90.00	263.000	9,542.00	456.62	-546.37	8.00	8.00	0.00	263.00	
10,344.67	90.00	269.895	9,542.00	435.27	-890.23	2.00	0.00	2.00	90.00	
27,279.67	90.00	269.895	9,542.00	404.10	-17,825.20	0.00	0.00	0.00	0.00	LTP_706H-C102
27,329.67	90.00	269.895	9,542.00	404.01	-17,875.20	0.00	0.00	0.00	0.00	BHL_706H-C102

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	2.00	16.827	1,499.98	1.67	0.51	-0.51	2.00	2.00	0.00
1,600.00	4.00	16.827	1,599.84	6.68	2.02	-2.03	2.00	2.00	0.00
1,700.00	6.00	16.827	1,699.45	15.02	4.54	-4.57	2.00	2.00	0.00
1,800.00	8.00	16.827	1,798.70	26.69	8.07	-8.12	2.00	2.00	0.00
1,900.00	10.00	16.827	1,897.47	41.66	12.60	-12.68	2.00	2.00	0.00
1,923.46	10.47	16.827	1,920.56	45.65	13.81	-13.89	2.00	2.00	0.00
2,000.00	10.47	16.827	1,995.82	58.96	17.83	-17.94	0.00	0.00	0.00
2,100.00	10.47	16.827	2,094.15	76.35	23.09	-23.24	0.00	0.00	0.00
2,200.00	10.47	16.827	2,192.49	93.75	28.35	-28.53	0.00	0.00	0.00
2,300.00	10.47	16.827	2,290.82	111.14	33.61	-33.82	0.00	0.00	0.00
2,400.00	10.47	16.827	2,389.16	128.53	38.87	-39.12	0.00	0.00	0.00
2,500.00	10.47	16.827	2,487.49	145.93	44.13	-44.41	0.00	0.00	0.00
2,600.00	10.47	16.827	2,585.83	163.32	49.39	-49.70	0.00	0.00	0.00
2,700.00	10.47	16.827	2,684.16	180.71	54.65	-55.00	0.00	0.00	0.00
2,800.00	10.47	16.827	2,782.50	198.10	59.91	-60.29	0.00	0.00	0.00
2,900.00	10.47	16.827	2,880.84	215.50	65.17	-65.59	0.00	0.00	0.00
3,000.00	10.47	16.827	2,979.17	232.89	70.43	-70.88	0.00	0.00	0.00
3,100.00	10.47	16.827	3,077.51	250.28	75.69	-76.17	0.00	0.00	0.00
3,200.00	10.47	16.827	3,175.84	267.68	80.95	-81.47	0.00	0.00	0.00
3,300.00	10.47	16.827	3,274.18	285.07	86.21	-86.76	0.00	0.00	0.00
3,400.00	10.47	16.827	3,372.51	302.46	91.47	-92.05	0.00	0.00	0.00
3,500.00	10.47	16.827	3,470.85	319.85	96.73	-97.35	0.00	0.00	0.00
3,600.00	10.47	16.827	3,569.18	337.25	101.99	-102.64	0.00	0.00	0.00
3,700.00	10.47	16.827	3,667.52	354.64	107.25	-107.93	0.00	0.00	0.00
3,800.00	10.47	16.827	3,765.85	372.03	112.51	-113.23	0.00	0.00	0.00
3,900.00	10.47	16.827	3,864.19	389.43	117.77	-118.52	0.00	0.00	0.00
4,000.00	10.47	16.827	3,962.52	406.82	123.03	-123.81	0.00	0.00	0.00
4,100.00	10.47	16.827	4,060.86	424.21	128.29	-129.11	0.00	0.00	0.00
4,200.00	10.47	16.827	4,159.19	441.60	133.55	-134.40	0.00	0.00	0.00
4,300.00	10.47	16.827	4,257.53	459.00	138.81	-139.69	0.00	0.00	0.00
4,400.00	10.47	16.827	4,355.86	476.39	144.07	-144.99	0.00	0.00	0.00
4,500.00	10.47	16.827	4,454.20	493.78	149.33	-150.28	0.00	0.00	0.00
4,525.67	10.47	16.827	4,479.44	498.25	150.68	-151.64	0.00	0.00	0.00
4,600.00	8.98	16.827	4,552.70	510.27	154.32	-155.30	2.00	-2.00	0.00
4,700.00	6.98	16.827	4,651.73	523.56	158.34	-159.34	2.00	-2.00	0.00
4,800.00	4.98	16.827	4,751.18	533.54	161.35	-162.38	2.00	-2.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.00	2.98	16.827	4,850.93	540.18	163.36	-164.40	2.00	-2.00	0.00
5,000.00	0.98	16.827	4,950.87	543.49	164.37	-165.41	2.00	-2.00	0.00
5,049.14	0.00	0.000	5,000.00	543.90	164.49	-165.53	2.00	-2.00	0.00
5,100.00	0.00	0.000	5,050.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,200.00	0.00	0.000	5,150.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,300.00	0.00	0.000	5,250.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,400.00	0.00	0.000	5,350.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,500.00	0.00	0.000	5,450.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,600.00	0.00	0.000	5,550.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,700.00	0.00	0.000	5,650.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,800.00	0.00	0.000	5,750.86	543.90	164.49	-165.53	0.00	0.00	0.00
5,900.00	0.00	0.000	5,850.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,000.00	0.00	0.000	5,950.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,100.00	0.00	0.000	6,050.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,200.00	0.00	0.000	6,150.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,300.00	0.00	0.000	6,250.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,400.00	0.00	0.000	6,350.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,500.00	0.00	0.000	6,450.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,600.00	0.00	0.000	6,550.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,700.00	0.00	0.000	6,650.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,800.00	0.00	0.000	6,750.86	543.90	164.49	-165.53	0.00	0.00	0.00
6,900.00	0.00	0.000	6,850.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,000.00	0.00	0.000	6,950.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,100.00	0.00	0.000	7,050.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,200.00	0.00	0.000	7,150.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,300.00	0.00	0.000	7,250.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,400.00	0.00	0.000	7,350.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,500.00	0.00	0.000	7,450.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,600.00	0.00	0.000	7,550.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,700.00	0.00	0.000	7,650.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,800.00	0.00	0.000	7,750.86	543.90	164.49	-165.53	0.00	0.00	0.00
7,900.00	0.00	0.000	7,850.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,000.00	0.00	0.000	7,950.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,100.00	0.00	0.000	8,050.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,200.00	0.00	0.000	8,150.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,300.00	0.00	0.000	8,250.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,400.00	0.00	0.000	8,350.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,500.00	0.00	0.000	8,450.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,600.00	0.00	0.000	8,550.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,700.00	0.00	0.000	8,650.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,800.00	0.00	0.000	8,750.86	543.90	164.49	-165.53	0.00	0.00	0.00
8,874.94	0.00	0.000	8,825.80	543.90	164.49	-165.53	0.00	0.00	0.00
8,900.00	2.00	263.000	8,850.86	543.84	164.05	-165.10	8.00	8.00	0.00
9,000.00	10.00	263.000	8,950.23	542.57	153.68	-154.72	8.00	8.00	0.00
9,100.00	18.00	263.000	9,047.18	539.62	129.68	-130.71	8.00	8.00	0.00
9,200.00	26.00	263.000	9,139.82	535.06	92.52	-93.55	8.00	8.00	0.00
9,300.00	34.00	263.000	9,226.35	528.97	42.92	-43.94	8.00	8.00	0.00
9,400.00	42.00	263.000	9,305.08	521.47	-18.14	17.14	8.00	8.00	0.00
9,500.00	50.00	263.000	9,374.48	512.71	-89.49	88.50	8.00	8.00	0.00
9,600.00	58.00	263.000	9,433.20	502.86	-169.72	168.76	8.00	8.00	0.00
9,700.00	66.00	263.000	9,480.11	492.11	-257.29	256.35	8.00	8.00	0.00

Planning Report

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Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,800.00	74.00	263.000	9,514.27	480.67	-350.49	349.57	8.00	8.00	0.00
9,900.00	82.00	263.000	9,535.04	468.76	-447.50	446.60	8.00	8.00	0.00
9,999.94	90.00	263.000	9,542.00	456.62	-546.37	545.49	8.00	8.00	0.00
10,000.00	90.00	263.000	9,542.00	456.61	-546.43	545.55	0.00	0.00	0.00
10,100.00	90.00	265.001	9,542.00	446.16	-645.88	645.02	2.00	0.00	2.00
10,200.00	90.00	267.001	9,542.00	439.18	-745.63	744.79	2.00	0.00	2.00
10,300.00	90.00	269.001	9,542.00	435.70	-845.56	844.73	2.00	0.00	2.00
10,344.67	90.00	269.895	9,542.00	435.27	-890.23	889.39	2.00	0.00	2.00
10,400.00	90.00	269.895	9,542.00	435.17	-945.56	944.72	0.00	0.00	0.00
10,500.00	90.00	269.895	9,542.00	434.98	-1,045.56	1,044.72	0.00	0.00	0.00
10,600.00	90.00	269.895	9,542.00	434.80	-1,145.56	1,144.72	0.00	0.00	0.00
10,700.00	90.00	269.895	9,542.00	434.61	-1,245.56	1,244.72	0.00	0.00	0.00
10,800.00	90.00	269.895	9,542.00	434.43	-1,345.56	1,344.72	0.00	0.00	0.00
10,900.00	90.00	269.895	9,542.00	434.24	-1,445.56	1,444.72	0.00	0.00	0.00
11,000.00	90.00	269.895	9,542.00	434.06	-1,545.56	1,544.72	0.00	0.00	0.00
11,100.00	90.00	269.895	9,542.00	433.88	-1,645.56	1,644.72	0.00	0.00	0.00
11,200.00	90.00	269.895	9,542.00	433.69	-1,745.56	1,744.72	0.00	0.00	0.00
11,300.00	90.00	269.895	9,542.00	433.51	-1,845.56	1,844.72	0.00	0.00	0.00
11,400.00	90.00	269.895	9,542.00	433.32	-1,945.56	1,944.72	0.00	0.00	0.00
11,500.00	90.00	269.895	9,542.00	433.14	-2,045.56	2,044.72	0.00	0.00	0.00
11,600.00	90.00	269.895	9,542.00	432.96	-2,145.56	2,144.72	0.00	0.00	0.00
11,700.00	90.00	269.895	9,542.00	432.77	-2,245.56	2,244.72	0.00	0.00	0.00
11,800.00	90.00	269.895	9,542.00	432.59	-2,345.56	2,344.72	0.00	0.00	0.00
11,900.00	90.00	269.895	9,542.00	432.40	-2,445.56	2,444.72	0.00	0.00	0.00
12,000.00	90.00	269.895	9,542.00	432.22	-2,545.56	2,544.72	0.00	0.00	0.00
12,100.00	90.00	269.895	9,542.00	432.04	-2,645.56	2,644.72	0.00	0.00	0.00
12,200.00	90.00	269.895	9,542.00	431.85	-2,745.56	2,744.72	0.00	0.00	0.00
12,300.00	90.00	269.895	9,542.00	431.67	-2,845.56	2,844.72	0.00	0.00	0.00
12,400.00	90.00	269.895	9,542.00	431.48	-2,945.56	2,944.72	0.00	0.00	0.00
12,500.00	90.00	269.895	9,542.00	431.30	-3,045.56	3,044.72	0.00	0.00	0.00
12,600.00	90.00	269.895	9,542.00	431.12	-3,145.56	3,144.72	0.00	0.00	0.00
12,700.00	90.00	269.895	9,542.00	430.93	-3,245.56	3,244.72	0.00	0.00	0.00
12,800.00	90.00	269.895	9,542.00	430.75	-3,345.56	3,344.72	0.00	0.00	0.00
12,900.00	90.00	269.895	9,542.00	430.56	-3,445.56	3,444.72	0.00	0.00	0.00
13,000.00	90.00	269.895	9,542.00	430.38	-3,545.56	3,544.72	0.00	0.00	0.00
13,100.00	90.00	269.895	9,542.00	430.20	-3,645.56	3,644.72	0.00	0.00	0.00
13,200.00	90.00	269.895	9,542.00	430.01	-3,745.56	3,744.72	0.00	0.00	0.00
13,300.00	90.00	269.895	9,542.00	429.83	-3,845.56	3,844.72	0.00	0.00	0.00
13,400.00	90.00	269.895	9,542.00	429.64	-3,945.56	3,944.72	0.00	0.00	0.00
13,500.00	90.00	269.895	9,542.00	429.46	-4,045.56	4,044.72	0.00	0.00	0.00
13,600.00	90.00	269.895	9,542.00	429.28	-4,145.56	4,144.72	0.00	0.00	0.00
13,700.00	90.00	269.895	9,542.00	429.09	-4,245.56	4,244.72	0.00	0.00	0.00
13,800.00	90.00	269.895	9,542.00	428.91	-4,345.56	4,344.72	0.00	0.00	0.00
13,900.00	90.00	269.895	9,542.00	428.72	-4,445.56	4,444.72	0.00	0.00	0.00
14,000.00	90.00	269.895	9,542.00	428.54	-4,545.56	4,544.72	0.00	0.00	0.00
14,100.00	90.00	269.895	9,542.00	428.36	-4,645.56	4,644.72	0.00	0.00	0.00
14,200.00	90.00	269.895	9,542.00	428.17	-4,745.56	4,744.72	0.00	0.00	0.00
14,300.00	90.00	269.895	9,542.00	427.99	-4,845.56	4,844.72	0.00	0.00	0.00
14,400.00	90.00	269.895	9,542.00	427.80	-4,945.55	4,944.72	0.00	0.00	0.00
14,500.00	90.00	269.895	9,542.00	427.62	-5,045.55	5,044.72	0.00	0.00	0.00
14,600.00	90.00	269.895	9,542.00	427.44	-5,145.55	5,144.72	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,700.00	90.00	269.895	9,542.00	427.25	-5,245.55	5,244.72	0.00	0.00	0.00
14,800.00	90.00	269.895	9,542.00	427.07	-5,345.55	5,344.72	0.00	0.00	0.00
14,900.00	90.00	269.895	9,542.00	426.88	-5,445.55	5,444.72	0.00	0.00	0.00
15,000.00	90.00	269.895	9,542.00	426.70	-5,545.55	5,544.72	0.00	0.00	0.00
15,100.00	90.00	269.895	9,542.00	426.52	-5,645.55	5,644.72	0.00	0.00	0.00
15,200.00	90.00	269.895	9,542.00	426.33	-5,745.55	5,744.72	0.00	0.00	0.00
15,300.00	90.00	269.895	9,542.00	426.15	-5,845.55	5,844.72	0.00	0.00	0.00
15,400.00	90.00	269.895	9,542.00	425.96	-5,945.55	5,944.72	0.00	0.00	0.00
15,500.00	90.00	269.895	9,542.00	425.78	-6,045.55	6,044.72	0.00	0.00	0.00
15,600.00	90.00	269.895	9,542.00	425.60	-6,145.55	6,144.72	0.00	0.00	0.00
15,700.00	90.00	269.895	9,542.00	425.41	-6,245.55	6,244.72	0.00	0.00	0.00
15,800.00	90.00	269.895	9,542.00	425.23	-6,345.55	6,344.72	0.00	0.00	0.00
15,900.00	90.00	269.895	9,542.00	425.04	-6,445.55	6,444.72	0.00	0.00	0.00
16,000.00	90.00	269.895	9,542.00	424.86	-6,545.55	6,544.72	0.00	0.00	0.00
16,100.00	90.00	269.895	9,542.00	424.67	-6,645.55	6,644.72	0.00	0.00	0.00
16,200.00	90.00	269.895	9,542.00	424.49	-6,745.55	6,744.72	0.00	0.00	0.00
16,300.00	90.00	269.895	9,542.00	424.31	-6,845.55	6,844.72	0.00	0.00	0.00
16,400.00	90.00	269.895	9,542.00	424.12	-6,945.55	6,944.72	0.00	0.00	0.00
16,500.00	90.00	269.895	9,542.00	423.94	-7,045.55	7,044.72	0.00	0.00	0.00
16,600.00	90.00	269.895	9,542.00	423.75	-7,145.55	7,144.72	0.00	0.00	0.00
16,700.00	90.00	269.895	9,542.00	423.57	-7,245.55	7,244.72	0.00	0.00	0.00
16,800.00	90.00	269.895	9,542.00	423.39	-7,345.55	7,344.72	0.00	0.00	0.00
16,900.00	90.00	269.895	9,542.00	423.20	-7,445.55	7,444.72	0.00	0.00	0.00
17,000.00	90.00	269.895	9,542.00	423.02	-7,545.55	7,544.72	0.00	0.00	0.00
17,100.00	90.00	269.895	9,542.00	422.83	-7,645.55	7,644.72	0.00	0.00	0.00
17,200.00	90.00	269.895	9,542.00	422.65	-7,745.55	7,744.72	0.00	0.00	0.00
17,300.00	90.00	269.895	9,542.00	422.47	-7,845.55	7,844.72	0.00	0.00	0.00
17,400.00	90.00	269.895	9,542.00	422.28	-7,945.55	7,944.72	0.00	0.00	0.00
17,500.00	90.00	269.895	9,542.00	422.10	-8,045.55	8,044.72	0.00	0.00	0.00
17,600.00	90.00	269.895	9,542.00	421.91	-8,145.55	8,144.72	0.00	0.00	0.00
17,700.00	90.00	269.895	9,542.00	421.73	-8,245.55	8,244.72	0.00	0.00	0.00
17,800.00	90.00	269.895	9,542.00	421.55	-8,345.55	8,344.72	0.00	0.00	0.00
17,900.00	90.00	269.895	9,542.00	421.36	-8,445.55	8,444.72	0.00	0.00	0.00
18,000.00	90.00	269.895	9,542.00	421.18	-8,545.55	8,544.72	0.00	0.00	0.00
18,100.00	90.00	269.895	9,542.00	420.99	-8,645.55	8,644.72	0.00	0.00	0.00
18,200.00	90.00	269.895	9,542.00	420.81	-8,745.55	8,744.72	0.00	0.00	0.00
18,300.00	90.00	269.895	9,542.00	420.63	-8,845.55	8,844.72	0.00	0.00	0.00
18,400.00	90.00	269.895	9,542.00	420.44	-8,945.55	8,944.72	0.00	0.00	0.00
18,500.00	90.00	269.895	9,542.00	420.26	-9,045.55	9,044.72	0.00	0.00	0.00
18,600.00	90.00	269.895	9,542.00	420.07	-9,145.55	9,144.72	0.00	0.00	0.00
18,700.00	90.00	269.895	9,542.00	419.89	-9,245.55	9,244.72	0.00	0.00	0.00
18,800.00	90.00	269.895	9,542.00	419.71	-9,345.55	9,344.72	0.00	0.00	0.00
18,900.00	90.00	269.895	9,542.00	419.52	-9,445.55	9,444.72	0.00	0.00	0.00
19,000.00	90.00	269.895	9,542.00	419.34	-9,545.55	9,544.72	0.00	0.00	0.00
19,100.00	90.00	269.895	9,542.00	419.15	-9,645.55	9,644.72	0.00	0.00	0.00
19,200.00	90.00	269.895	9,542.00	418.97	-9,745.55	9,744.72	0.00	0.00	0.00
19,300.00	90.00	269.895	9,542.00	418.79	-9,845.55	9,844.72	0.00	0.00	0.00
19,400.00	90.00	269.895	9,542.00	418.60	-9,945.55	9,944.72	0.00	0.00	0.00
19,500.00	90.00	269.895	9,542.00	418.42	-10,045.55	10,044.72	0.00	0.00	0.00
19,600.00	90.00	269.895	9,542.00	418.23	-10,145.55	10,144.72	0.00	0.00	0.00
19,700.00	90.00	269.895	9,542.00	418.05	-10,245.55	10,244.72	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,800.00	90.00	269.895	9,542.00	417.87	-10,345.55	10,344.72	0.00	0.00	0.00
19,900.00	90.00	269.895	9,542.00	417.68	-10,445.55	10,444.72	0.00	0.00	0.00
20,000.00	90.00	269.895	9,542.00	417.50	-10,545.55	10,544.72	0.00	0.00	0.00
20,100.00	90.00	269.895	9,542.00	417.31	-10,645.55	10,644.72	0.00	0.00	0.00
20,200.00	90.00	269.895	9,542.00	417.13	-10,745.55	10,744.72	0.00	0.00	0.00
20,300.00	90.00	269.895	9,542.00	416.95	-10,845.55	10,844.72	0.00	0.00	0.00
20,400.00	90.00	269.895	9,542.00	416.76	-10,945.54	10,944.72	0.00	0.00	0.00
20,500.00	90.00	269.895	9,542.00	416.58	-11,045.54	11,044.72	0.00	0.00	0.00
20,600.00	90.00	269.895	9,542.00	416.39	-11,145.54	11,144.72	0.00	0.00	0.00
20,700.00	90.00	269.895	9,542.00	416.21	-11,245.54	11,244.72	0.00	0.00	0.00
20,800.00	90.00	269.895	9,542.00	416.03	-11,345.54	11,344.72	0.00	0.00	0.00
20,900.00	90.00	269.895	9,542.00	415.84	-11,445.54	11,444.72	0.00	0.00	0.00
21,000.00	90.00	269.895	9,542.00	415.66	-11,545.54	11,544.72	0.00	0.00	0.00
21,100.00	90.00	269.895	9,542.00	415.47	-11,645.54	11,644.72	0.00	0.00	0.00
21,200.00	90.00	269.895	9,542.00	415.29	-11,745.54	11,744.72	0.00	0.00	0.00
21,300.00	90.00	269.895	9,542.00	415.10	-11,845.54	11,844.72	0.00	0.00	0.00
21,400.00	90.00	269.895	9,542.00	414.92	-11,945.54	11,944.72	0.00	0.00	0.00
21,500.00	90.00	269.895	9,542.00	414.74	-12,045.54	12,044.72	0.00	0.00	0.00
21,600.00	90.00	269.895	9,542.00	414.55	-12,145.54	12,144.72	0.00	0.00	0.00
21,700.00	90.00	269.895	9,542.00	414.37	-12,245.54	12,244.72	0.00	0.00	0.00
21,800.00	90.00	269.895	9,542.00	414.18	-12,345.54	12,344.72	0.00	0.00	0.00
21,900.00	90.00	269.895	9,542.00	414.00	-12,445.54	12,444.72	0.00	0.00	0.00
22,000.00	90.00	269.895	9,542.00	413.82	-12,545.54	12,544.72	0.00	0.00	0.00
22,100.00	90.00	269.895	9,542.00	413.63	-12,645.54	12,644.72	0.00	0.00	0.00
22,200.00	90.00	269.895	9,542.00	413.45	-12,745.54	12,744.72	0.00	0.00	0.00
22,300.00	90.00	269.895	9,542.00	413.26	-12,845.54	12,844.72	0.00	0.00	0.00
22,400.00	90.00	269.895	9,542.00	413.08	-12,945.54	12,944.72	0.00	0.00	0.00
22,500.00	90.00	269.895	9,542.00	412.90	-13,045.54	13,044.72	0.00	0.00	0.00
22,600.00	90.00	269.895	9,542.00	412.71	-13,145.54	13,144.72	0.00	0.00	0.00
22,700.00	90.00	269.895	9,542.00	412.53	-13,245.54	13,244.72	0.00	0.00	0.00
22,800.00	90.00	269.895	9,542.00	412.34	-13,345.54	13,344.72	0.00	0.00	0.00
22,900.00	90.00	269.895	9,542.00	412.16	-13,445.54	13,444.72	0.00	0.00	0.00
23,000.00	90.00	269.895	9,542.00	411.98	-13,545.54	13,544.72	0.00	0.00	0.00
23,100.00	90.00	269.895	9,542.00	411.79	-13,645.54	13,644.72	0.00	0.00	0.00
23,200.00	90.00	269.895	9,542.00	411.61	-13,745.54	13,744.72	0.00	0.00	0.00
23,300.00	90.00	269.895	9,542.00	411.42	-13,845.54	13,844.72	0.00	0.00	0.00
23,400.00	90.00	269.895	9,542.00	411.24	-13,945.54	13,944.72	0.00	0.00	0.00
23,500.00	90.00	269.895	9,542.00	411.06	-14,045.54	14,044.72	0.00	0.00	0.00
23,600.00	90.00	269.895	9,542.00	410.87	-14,145.54	14,144.72	0.00	0.00	0.00
23,700.00	90.00	269.895	9,542.00	410.69	-14,245.54	14,244.72	0.00	0.00	0.00
23,800.00	90.00	269.895	9,542.00	410.50	-14,345.54	14,344.72	0.00	0.00	0.00
23,900.00	90.00	269.895	9,542.00	410.32	-14,445.54	14,444.72	0.00	0.00	0.00
24,000.00	90.00	269.895	9,542.00	410.14	-14,545.54	14,544.72	0.00	0.00	0.00
24,100.00	90.00	269.895	9,542.00	409.95	-14,645.54	14,644.72	0.00	0.00	0.00
24,200.00	90.00	269.895	9,542.00	409.77	-14,745.54	14,744.72	0.00	0.00	0.00
24,300.00	90.00	269.895	9,542.00	409.58	-14,845.54	14,844.72	0.00	0.00	0.00
24,400.00	90.00	269.895	9,542.00	409.40	-14,945.54	14,944.72	0.00	0.00	0.00
24,500.00	90.00	269.895	9,542.00	409.22	-15,045.54	15,044.72	0.00	0.00	0.00
24,600.00	90.00	269.895	9,542.00	409.03	-15,145.54	15,144.72	0.00	0.00	0.00
24,700.00	90.00	269.895	9,542.00	408.85	-15,245.54	15,244.72	0.00	0.00	0.00
24,800.00	90.00	269.895	9,542.00	408.66	-15,345.54	15,344.72	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,900.00	90.00	269.895	9,542.00	408.48	-15,445.54	15,444.72	0.00	0.00	0.00
25,000.00	90.00	269.895	9,542.00	408.30	-15,545.54	15,544.72	0.00	0.00	0.00
25,100.00	90.00	269.895	9,542.00	408.11	-15,645.54	15,644.72	0.00	0.00	0.00
25,200.00	90.00	269.895	9,542.00	407.93	-15,745.54	15,744.72	0.00	0.00	0.00
25,300.00	90.00	269.895	9,542.00	407.74	-15,845.54	15,844.72	0.00	0.00	0.00
25,400.00	90.00	269.895	9,542.00	407.56	-15,945.54	15,944.72	0.00	0.00	0.00
25,500.00	90.00	269.895	9,542.00	407.38	-16,045.54	16,044.72	0.00	0.00	0.00
25,600.00	90.00	269.895	9,542.00	407.19	-16,145.54	16,144.72	0.00	0.00	0.00
25,700.00	90.00	269.895	9,542.00	407.01	-16,245.54	16,244.72	0.00	0.00	0.00
25,800.00	90.00	269.895	9,542.00	406.82	-16,345.54	16,344.72	0.00	0.00	0.00
25,900.00	90.00	269.895	9,542.00	406.64	-16,445.54	16,444.72	0.00	0.00	0.00
26,000.00	90.00	269.895	9,542.00	406.46	-16,545.54	16,544.72	0.00	0.00	0.00
26,100.00	90.00	269.895	9,542.00	406.27	-16,645.54	16,644.72	0.00	0.00	0.00
26,200.00	90.00	269.895	9,542.00	406.09	-16,745.54	16,744.72	0.00	0.00	0.00
26,300.00	90.00	269.895	9,542.00	405.90	-16,845.54	16,844.72	0.00	0.00	0.00
26,400.00	90.00	269.895	9,542.00	405.72	-16,945.53	16,944.72	0.00	0.00	0.00
26,500.00	90.00	269.895	9,542.00	405.53	-17,045.53	17,044.72	0.00	0.00	0.00
26,600.00	90.00	269.895	9,542.00	405.35	-17,145.53	17,144.72	0.00	0.00	0.00
26,700.00	90.00	269.895	9,542.00	405.17	-17,245.53	17,244.72	0.00	0.00	0.00
26,800.00	90.00	269.895	9,542.00	404.98	-17,345.53	17,344.72	0.00	0.00	0.00
26,900.00	90.00	269.895	9,542.00	404.80	-17,445.53	17,444.72	0.00	0.00	0.00
27,000.00	90.00	269.895	9,542.00	404.61	-17,545.53	17,544.72	0.00	0.00	0.00
27,100.00	90.00	269.895	9,542.00	404.43	-17,645.53	17,644.72	0.00	0.00	0.00
27,200.00	90.00	269.895	9,542.00	404.25	-17,745.53	17,744.72	0.00	0.00	0.00
27,279.67	90.00	269.895	9,542.00	404.10	-17,825.20	17,824.39	0.00	0.00	0.00
27,300.00	90.00	269.895	9,542.00	404.06	-17,845.53	17,844.72	0.00	0.00	0.00
27,329.67	90.00	269.895	9,542.00	404.01	-17,875.20	17,874.39	0.00	0.00	0.00

Design Targets

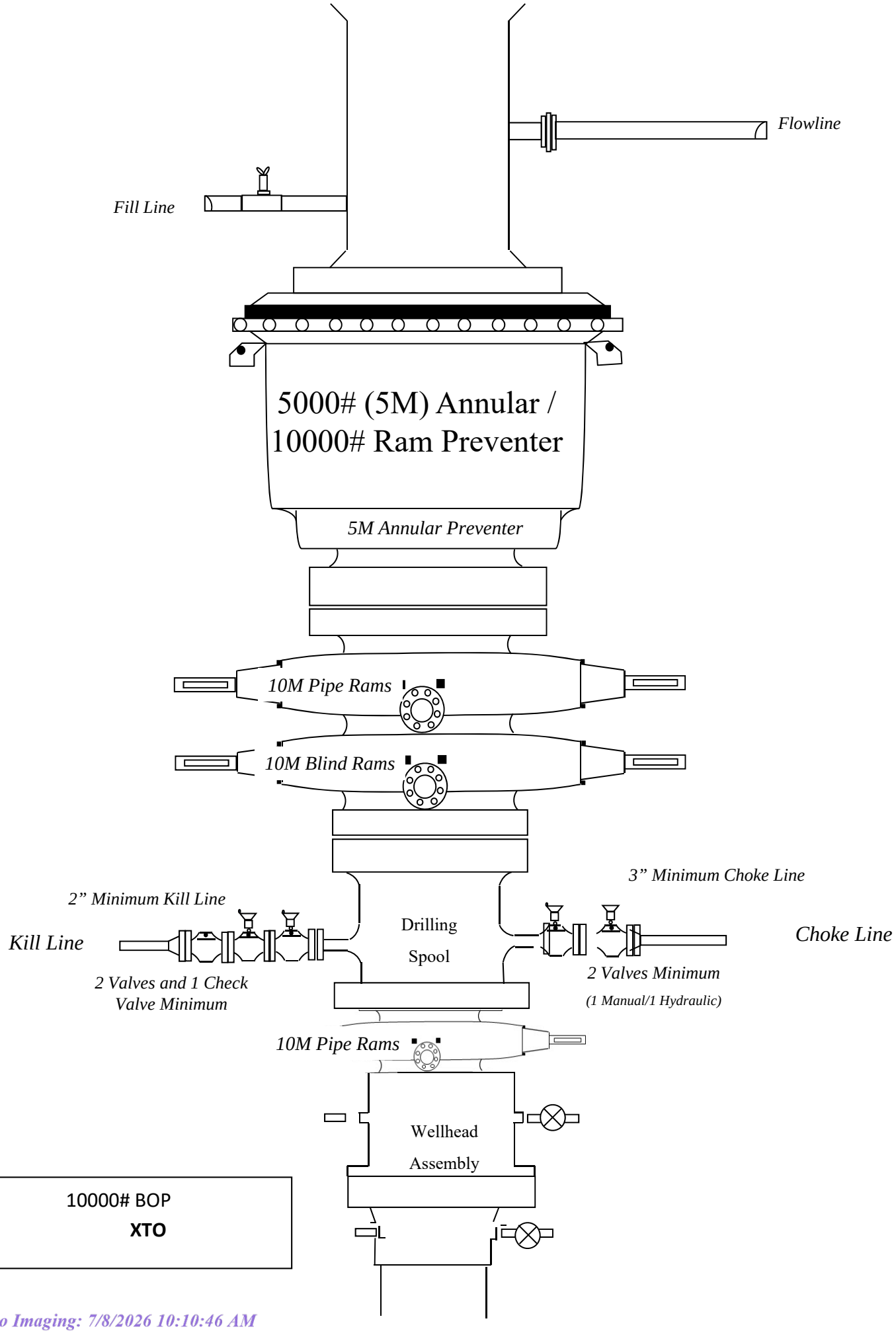
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL - plan hits target center - Point	0.00	0.000	0.00	0.00	0.00	489,327.40	653,466.30	32° 20' 39.473 N	103° 50' 11.073 W
KOP_706H-C102 - plan misses target center by 0.01usft at 8874.94usft MD (8825.80 TVD, 543.90 N, 164.49 E) - Point	45.00	83.000	8,825.80	543.90	164.50	489,871.30	653,630.80	32° 20' 44.847 N	103° 50' 9.126 W
BHL_706H-C102 - plan misses target center by 0.01usft at 27329.67usft MD (9542.00 TVD, 404.01 N, -17875.20 E) - Point	0.00	0.000	9,542.00	404.00	-17,875.20	489,731.40	635,591.10	32° 20' 44.244 N	103° 53' 39.416 W
LTP_706H-C102 - plan hits target center - Point	0.00	0.000	9,542.00	404.10	-17,825.20	489,731.50	635,641.10	32° 20' 44.243 N	103° 53' 38.833 W
FTP_706H-C102 - plan misses target center by 0.04usft at 9999.77usft MD (9542.00 TVD, 456.64 N, -546.20 E) - Point	0.00	0.000	9,542.00	456.60	-546.20	489,784.00	652,920.10	32° 20' 44.016 N	103° 50' 17.415 W

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well James Ranch Unit DI 8 W Fed Com 706H
Company:	ROC	**TVD Reference:**	RKB (+32) @ 3334.00usft
Project:	Long Lead - JRU DI 8 W Fed Com (NAD27 NME)	**MD Reference:**	RKB (+32) @ 3334.00usft
Site:	James Ranch Unit DI 8 W Fed Com Pad C - Plans	**North Reference:**	Grid
Well:	James Ranch Unit DI 8 W Fed Com 706H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
285.00	285.00	Rustler			
600.00	600.00	Salado			
1,385.00	1,385.00	MB 126			
3,616.09	3,585.00	Base of Salt			
3,956.76	3,920.00	Delaware			
4,999.13	4,950.00	Cherry Canyon			
6,509.14	6,460.00	Brushy Canyon			
7,734.14	7,685.00	Bone Spring Lm.			
7,834.14	7,785.00	Avalon Sand			
8,274.14	8,225.00	Middle Avalon Carb			
8,314.14	8,265.00	Lower Avalon Shale			
8,624.14	8,575.00	1st Bone Spring Lime			
9,045.75	8,995.00	1st Bone Spring Sand			
9,274.55	9,205.00	2nd Bone Spring Lime			
9,946.40	9,540.00	2nd Bone Spring A Sand			
9,999.94	9,542.00	Landing			

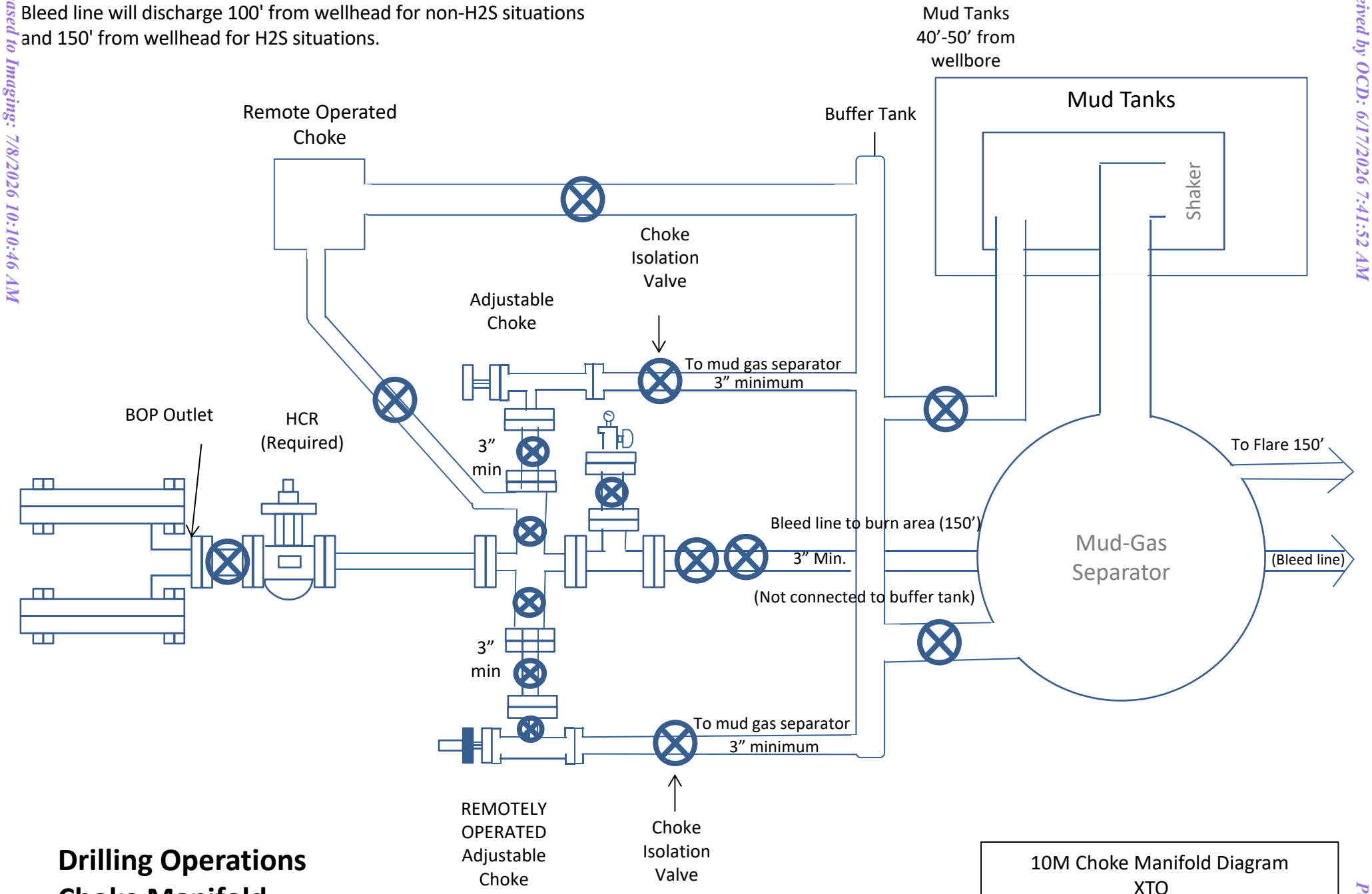


10000# BOP

XTO

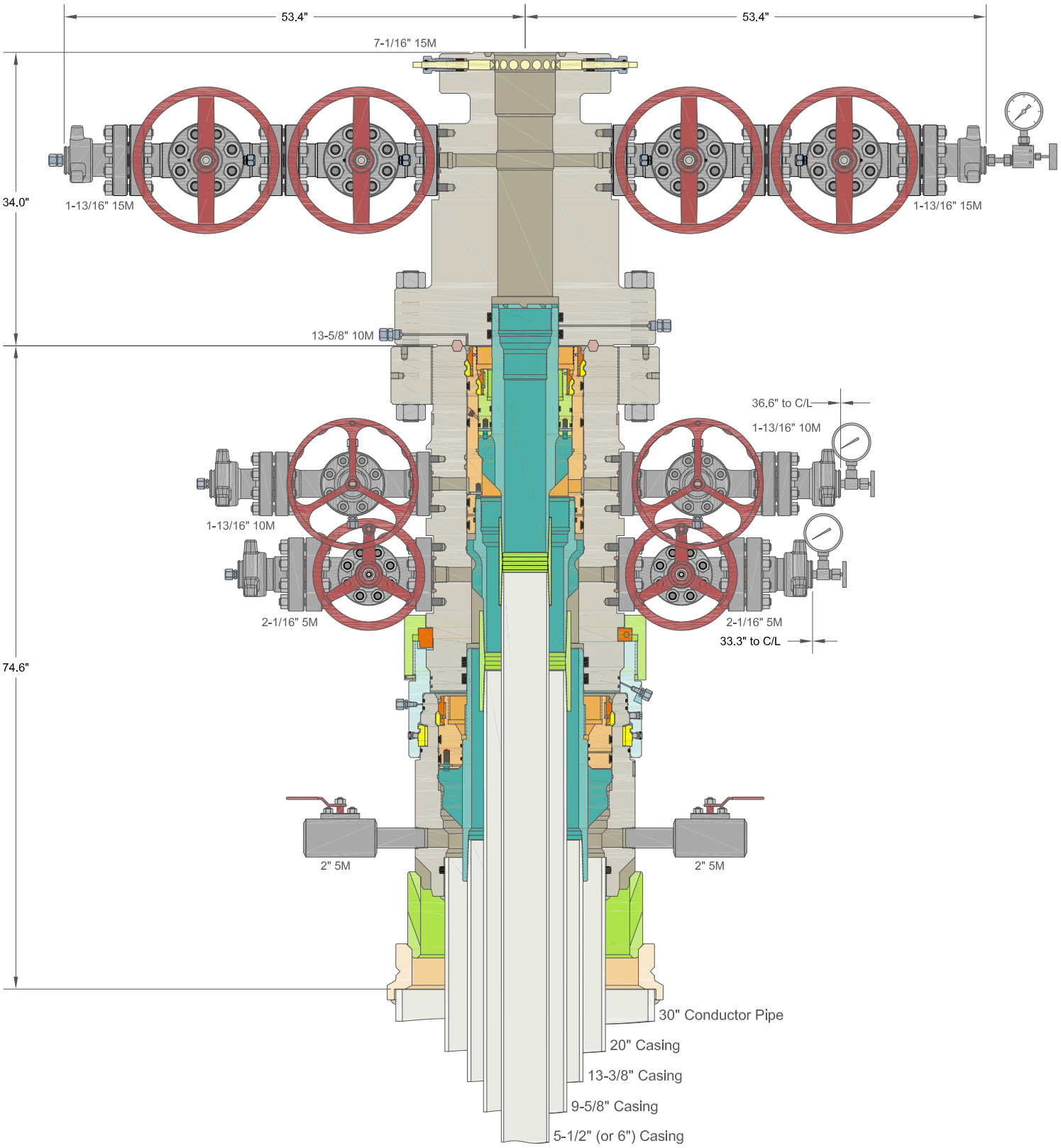
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Received by OCD: 6/17/2026 7:41:52 AM

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



Drilling Operations
Choke Manifold
10M Service

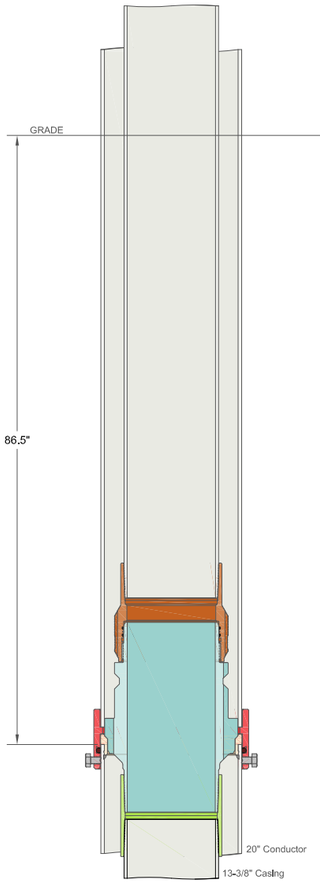
10M Choke Manifold Diagram
XTO

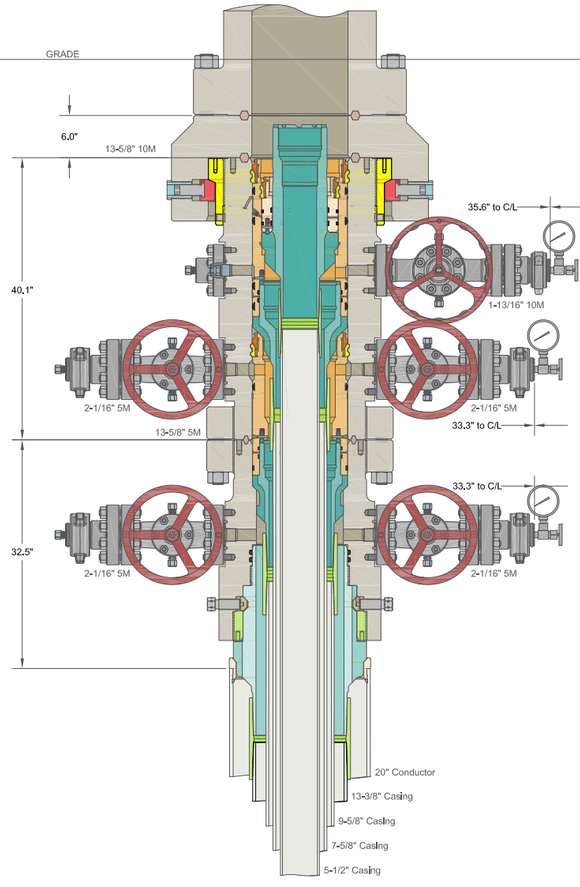


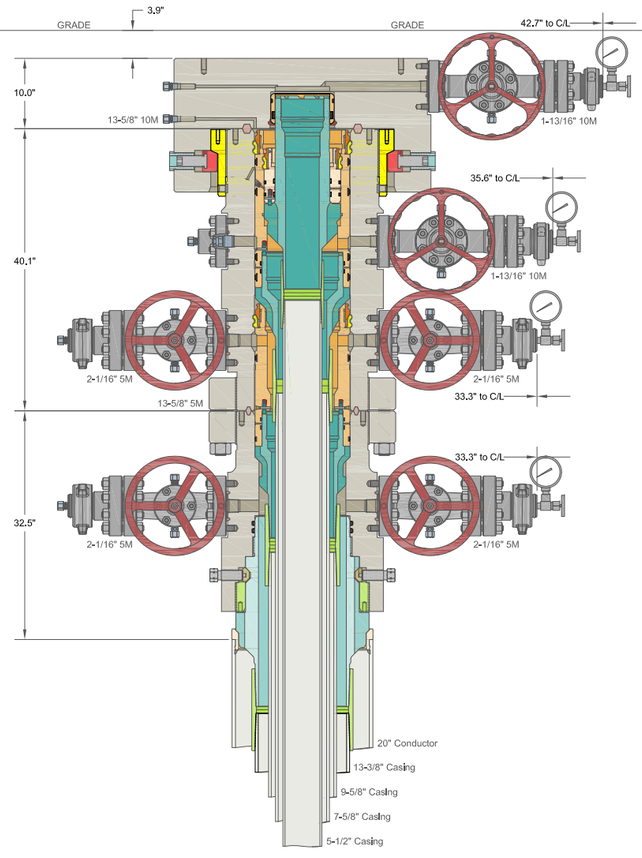
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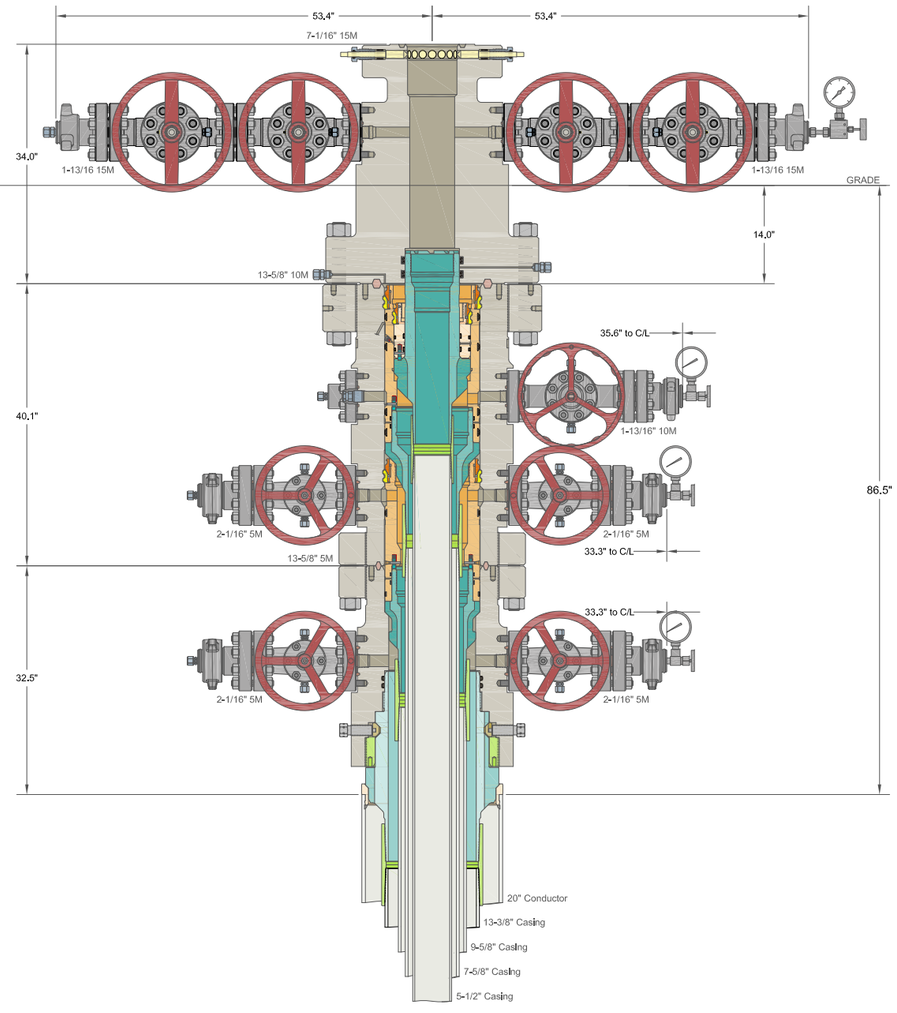
ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	XTO ENERGY INC DELAWARE BASIN		
30" x 20" x 13-3/8" x 9-5/8" x 5-1/2" (or 6") CRC / MBU-3T-CFL With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And 13-3/8", 9-5/8" & 5-1/2" (or 6") Pin Bottom Casing Hangers	DRAWN	DLE	25MAR24
	APPRV		
	DRAWING NO.	HBE0000801	









ALL DIMENSIONS APPROXIMA

CACTUS WELLHEAD LLC

(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

XTO ENERGY INC
DELAWARE BASIN

DRAWN	VJK	31MAR22
APPRV		

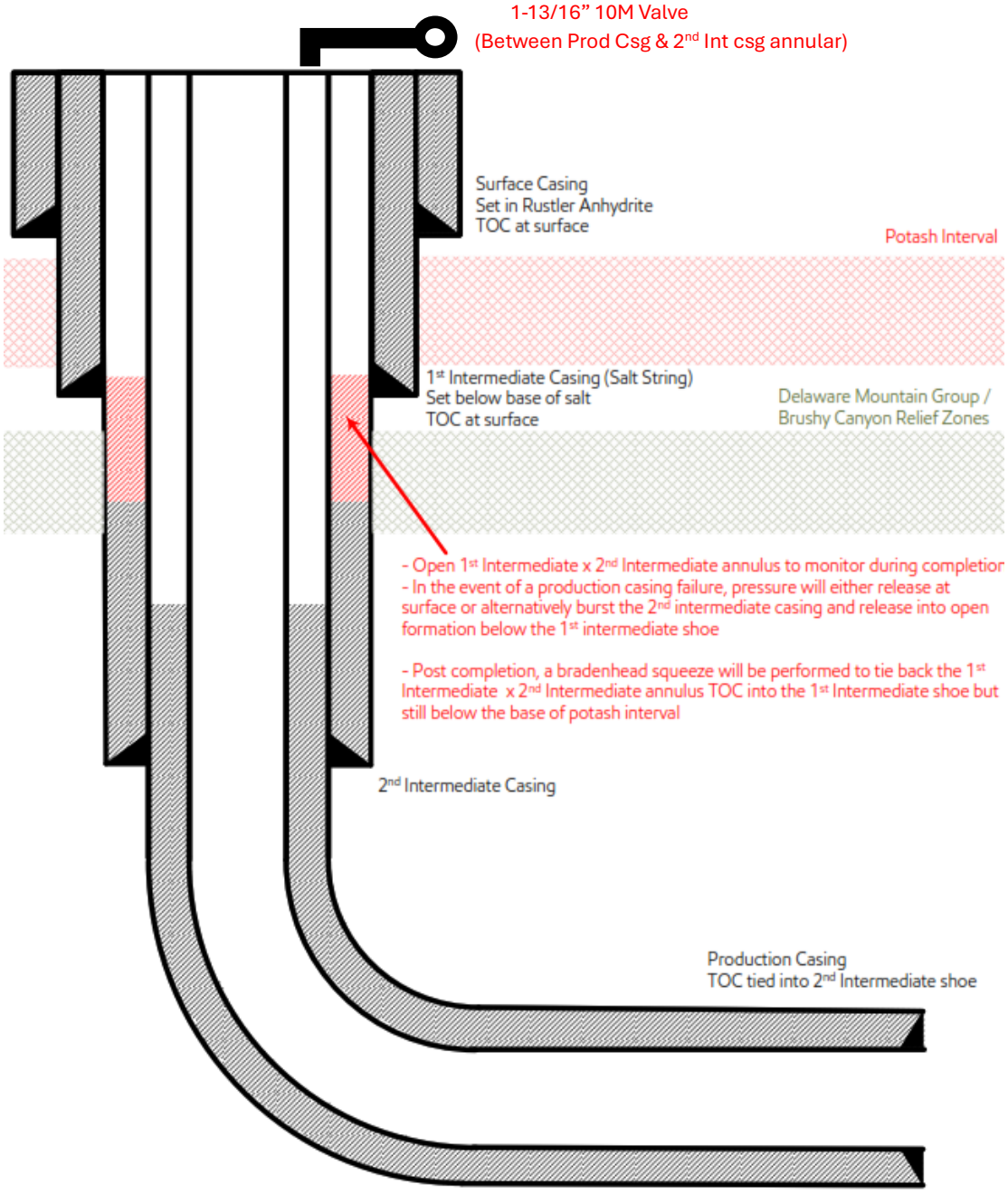
DRAWING NO. SDT-3301

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Released to Imaging: 7/8/2026 10:10:46 AM

4-String Design – Open 1st Int x 2nd Int Annulus (ICP 2 below relief Zone)



[Figure D] 4 String – Uncemented annulus between 1st and 2nd intermediate casing strings

Update May 2024:
XTO is aware of the R-111-Q update and will comply with these requirements including (but not limited to):

1) Alignment with KPLA requirements per schematic above, leaving open annulus open for pressure monitoring during frac and utilizing new casing that meets API standards.
2) Contingency plans in place to divert fluids away from salt interval in event of production casing failure.
3) **Intermediate 2 primary cement** job with TOC within Delaware Mountain Group with 0% excess & below the minimum 500' from intermediate 1 casing shoe.
    - **Intermediate 2 bradenhead squeeze** to be completed within 180 days after completions to tieback TOC to salt string at least 500ft but with top below Marker Bed 126.
4) Production cement to be tied back no less than 500ft inside previous casing shoe.

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

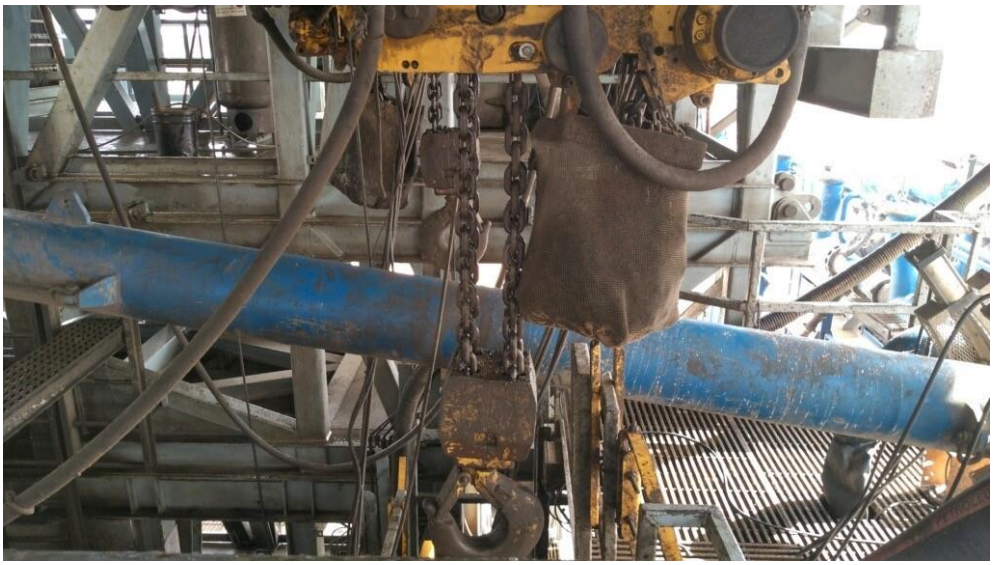


Figure 2: BOP Winch System

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.

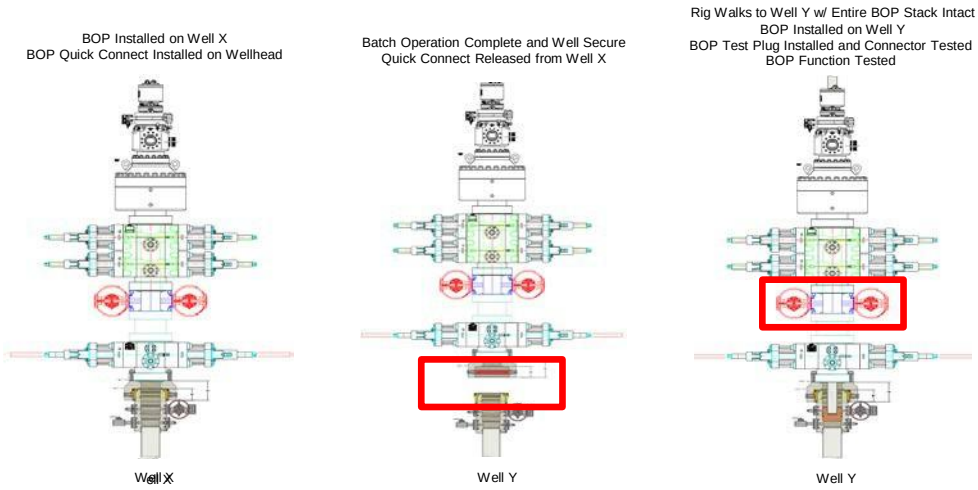
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often 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.

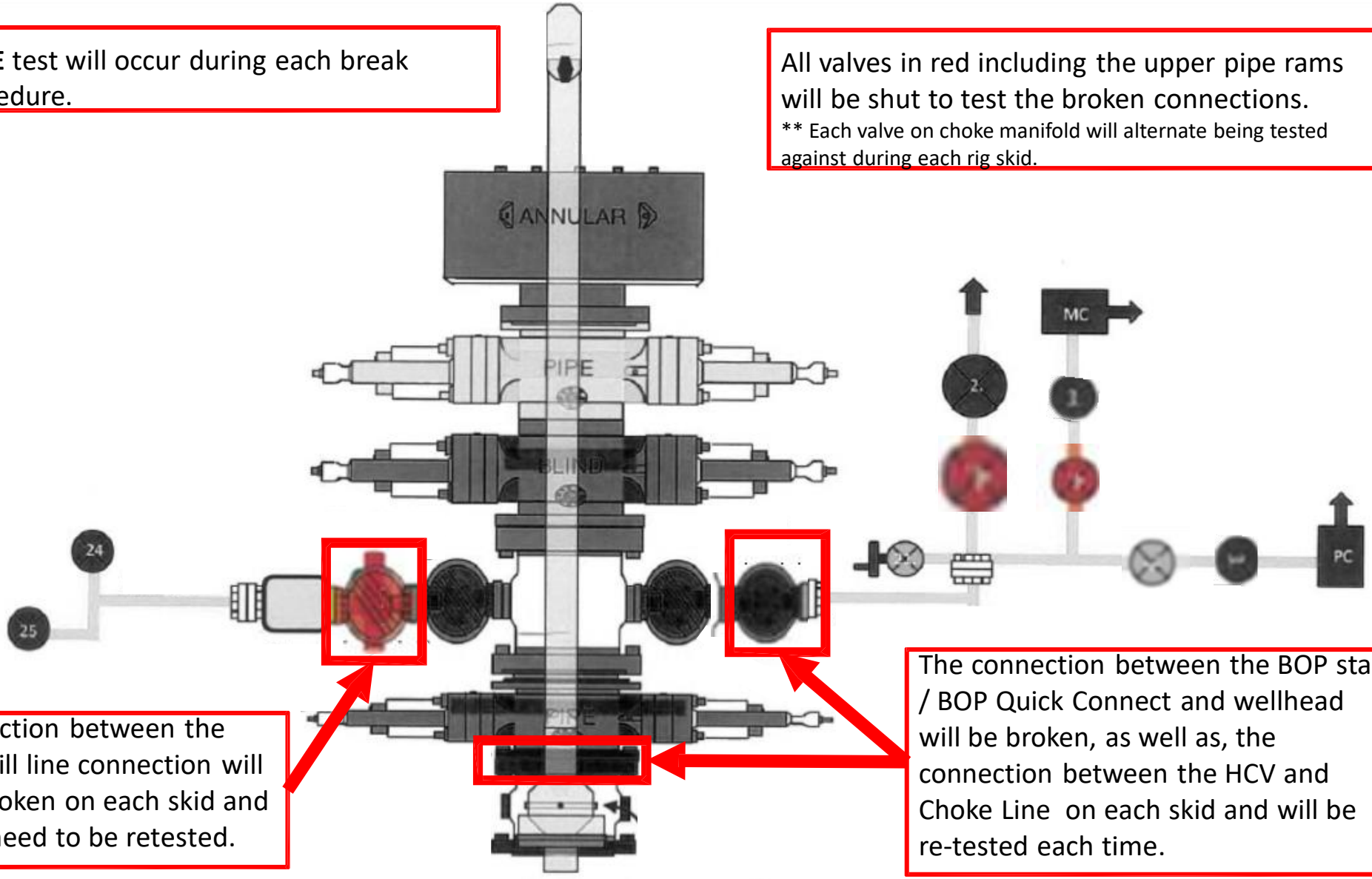
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

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.

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.

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
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FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

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

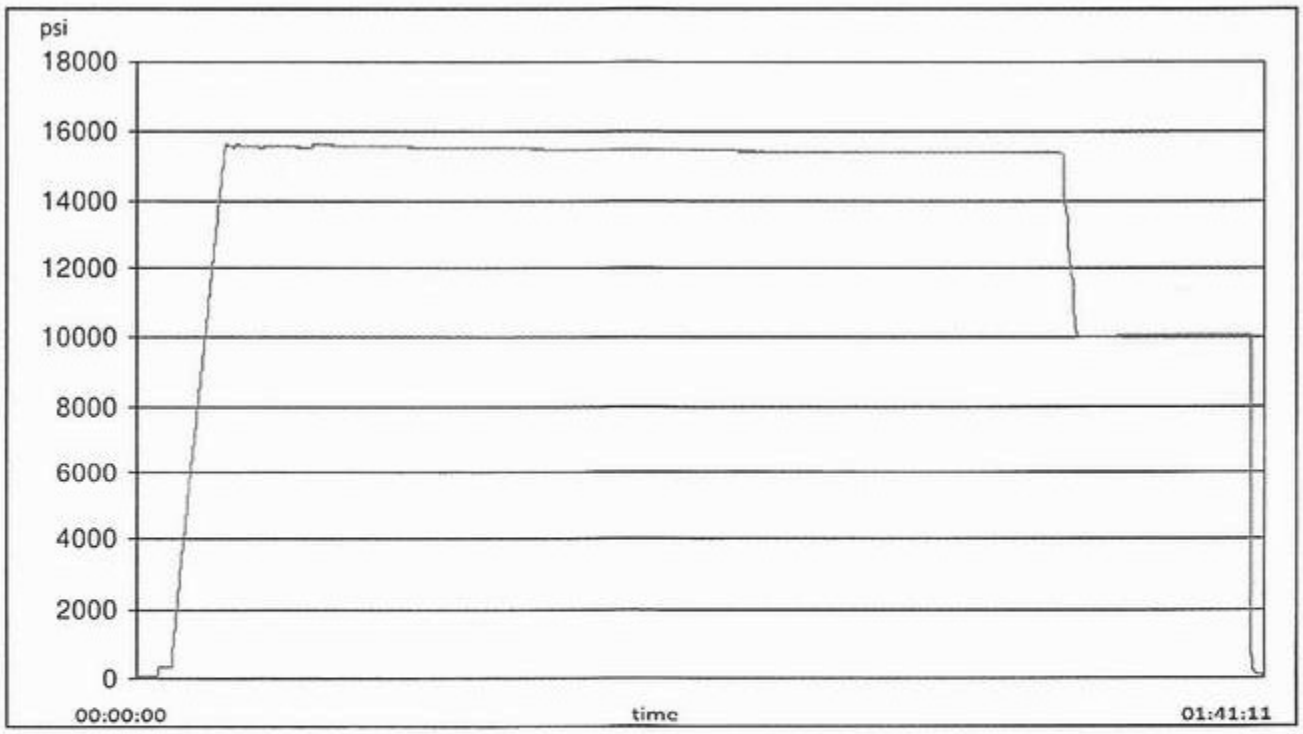
DATE: 1/25/2024

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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				



H3-15/16

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TEST REPORT

GAUGE TRACEABILITY

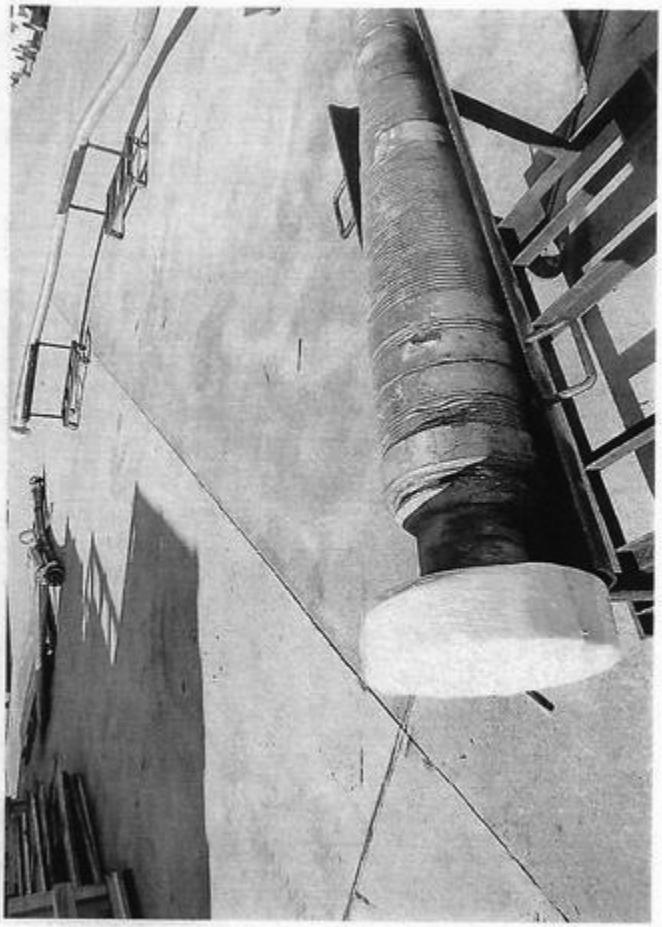
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment







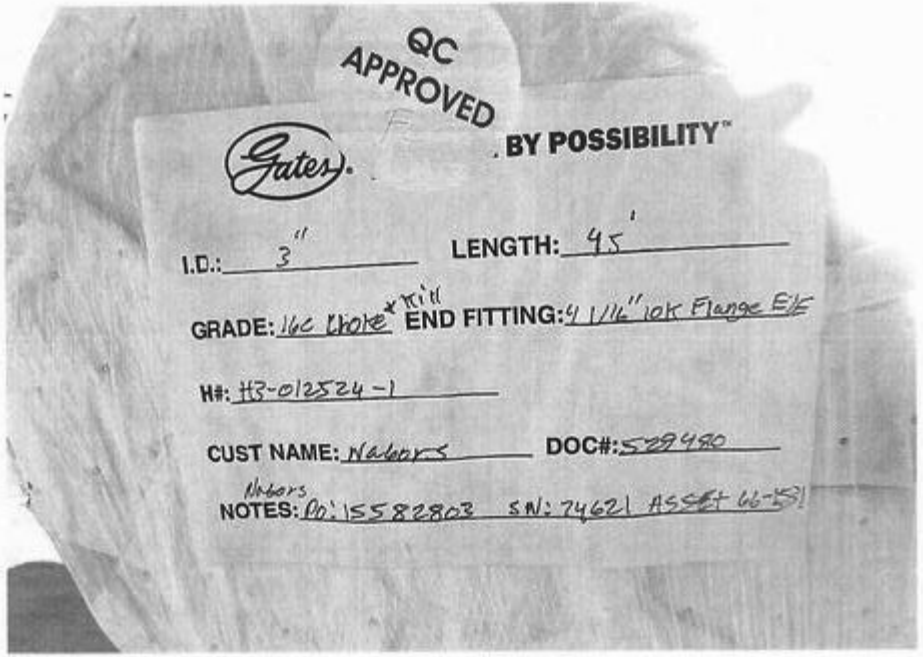


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XTO Permian Operating, LLC Offline Cementing Variance Request

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

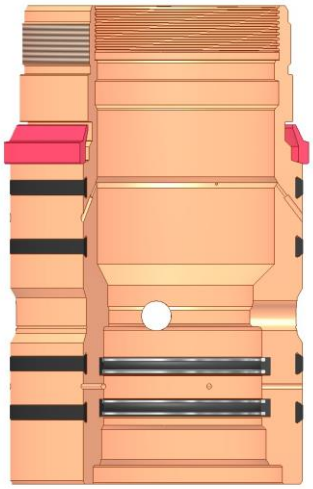
1. Cement Program

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

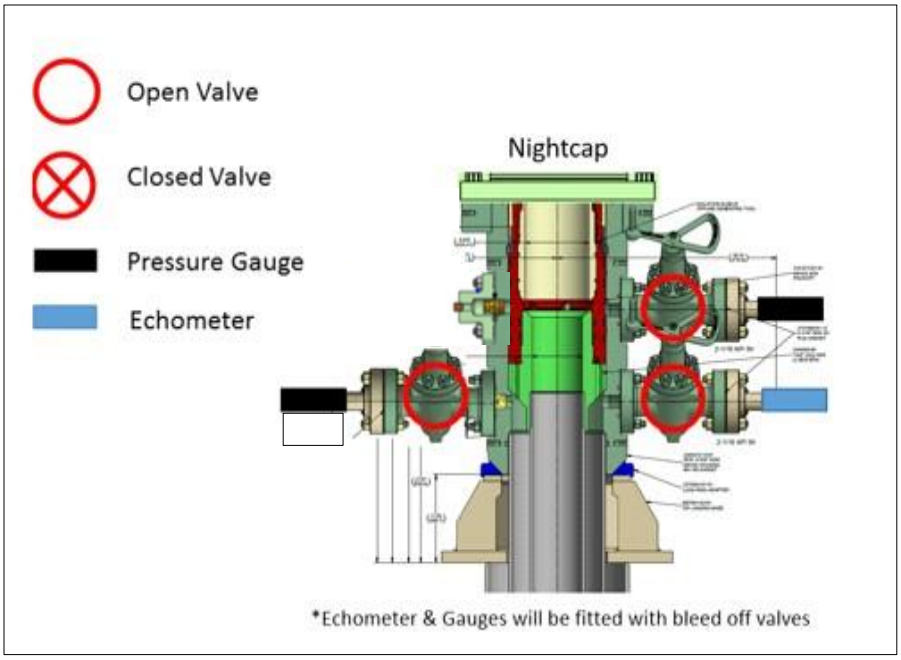
2. Offline Cementing Procedure

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

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



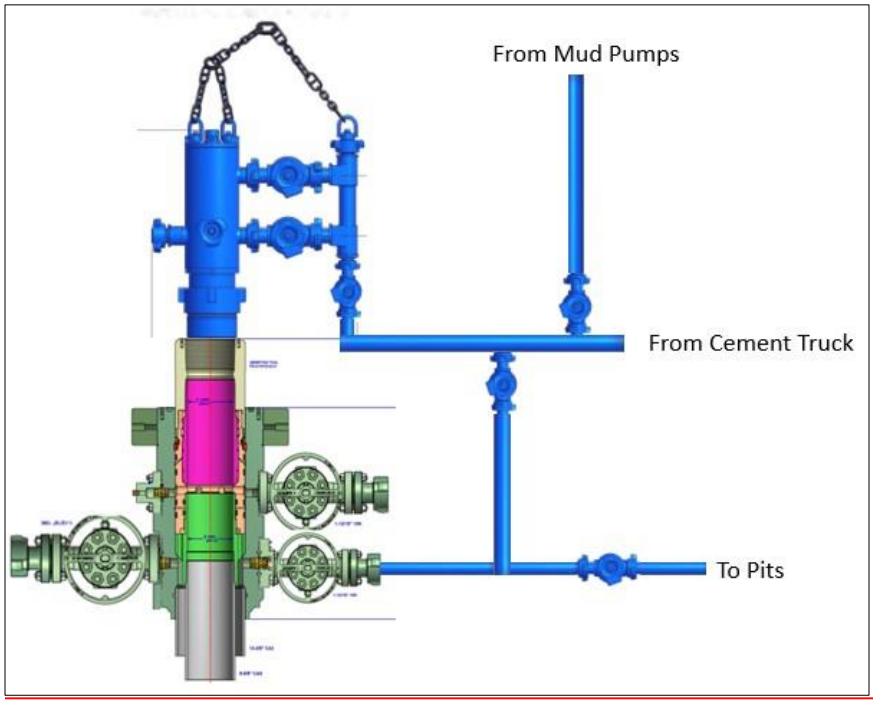
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

ExxonMobil

Offline Production Cementing

Delaware Basin | 18 March 2025

Energy lives here™

Variance Request for Offline Production Cementing

Proposal: allow wells that meet set criteria to perform production casing cement jobs offline, consistent with ExxonMobil's extensive experience safely and effectively cementing production casing strings offline in Texas

Supporting Materials:

- Criteria for offline production cementing
- Proposed procedure
- Process and equipment
- Barrier comparison

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Criteria for Offline Cementing

The following conditions must be met to proceed with offline production cementing on Wolfcamp target formations or shallower:

a) *Casing hanger successfully landed in the wellhead*
b) *Ability to circulate overbalanced mud weight*
c) *Initiate offline cementing operations within 24hr of landing casing*
d) *All well control barriers test successfully and BLM notified of intent to perform offline production cementing prior to N/D BOP*
e) *No offset frac operations within 1 mile and within the same target horizon*
f) *Well Control certified ExxonMobil Operations Supervisor to be present during offline cementing operation to monitor returns*
g) *Drill ahead operations will not begin on next well until offline production cement operations have concluded*

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Offline Cementing Procedure

Trigger to reevaluate plan

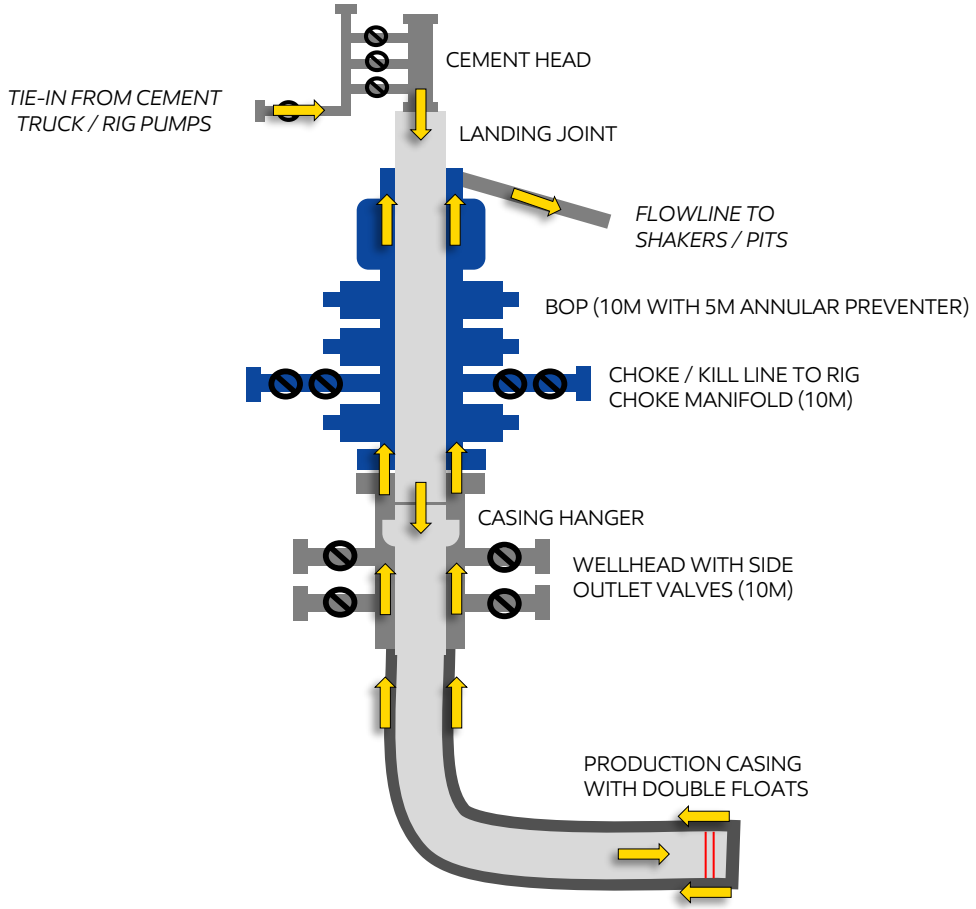
1. **Land production casing hanger** *If casing hanger cannot be landed, cementing will be performed online*
2. Flow check and **confirm the well is static on the casing and annulus**. *If flow is observed, cementing will be performed online*
3. **Lay down landing joint**
4. **Install and test pack-off assembly**
   a) Pressure test the seal assembly per wellhead provider's procedure to confirm integrity to 250 / 10,000psi
5. **Install back-pressure valve** (BPV, rated to 10,000psi) in hanger per wellhead provider's procedure
6. **Confirm the well is static**
   a) Flow indicates failure of hydrostatic barrier or mechanical barriers and underbalanced well conditions. *If flow is observed, cementing will be performed online*
   b) Notify BLM of intent to proceed with nipple down and offline cementing
7. With the well secured and BLM notified; **nipple down BOP and skid rig** to next well on pad
   a) Note, verify offline cementing criteria is met before N/D BOP. If unable to meet criteria, cement job will be performed online
8. **Install and test gate valve**
   a) Test connection between wellhead adapter seals against hanger neck and ring gasket to 250 / 10,000 psi for 5 minutes
9. **Remove BPV from casing**
10. **Rig up cement head and cementing lines**
11. **Perform production cement job** as per procedure
    a) Confirm flowpath and valve alignment; default routing to take returns from casing upper side outlet valves → offline cementing manifold → shakers / pits
    b) If elevated gas or flow trend observed, reroute returns through choke manifold for ability to hold backpressure to maintain well control and route mud returns to MGS
12. **Confirm well is static** and double floats are holding after cement job
    a) If double floats do not hold, the well can be secured by closing gate valve or cement head or by holding and monitoring pressure at the cement truck while WOC
13. **Rigdown surface equipment**
    a) Bleed any remaining line pressure and remove cement head
    b) Install BPV per wellhead providers recommended procedure
    c) Close upper casing side outlet valves, break and R/D offline cement lines
    d) Remove 10M gate valve and wellhead adapter
14. **Secure well**
    a) Install temporary abandonment cap

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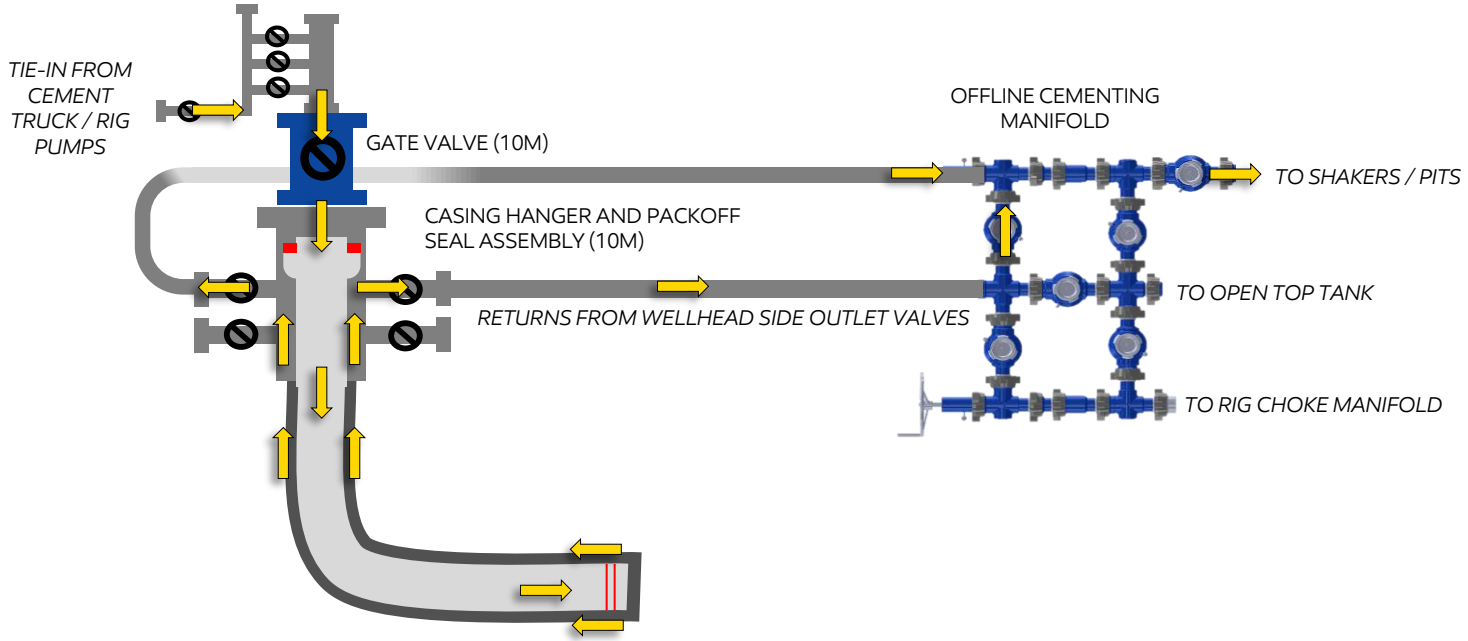
FLOWPATH WHILE CEMENTING

Process and Equipment

ONLINE CEMENTING



OFFLINE CEMENTING



KEY DIFFERENCES

1. *Rig BOP replaced by gate valve and WH adaptor assembly* (10M rated)
2. *Addition of offline cementing manifold and high pressure iron* to direct fluid returns to rig active system and/or choke manifold
3. *Packoff annulus barrier in place* and tested prior to cementing operations (10M rated)
4. *Cement truck* performs cement job displacement (vs rig pumps)

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Barrier Comparison

	ONLINE		OFFLINE (PROPOSED)	
	Casing	Annulus	Casing	Annulus
N/D BOP & Skid Rig			**1. Hydrostatic** 2. Double float valves 3. BPV	1. Hydrostatic 2. Packoff
Install Cement Head	1. Hydrostatic 2. Double float valves	1. Hydrostatic 2. BOP (annular, VBR)	1. Hydrostatic 2. Double float valves **3. Gate valve**	1. Hydrostatic **2. Packoff** 3. Wellhead Adaptor
Perform Cement Job	1. Double float valves 2. Cement Head	1. Hydrostatic 2. BOP (annular, VBR)	1. Double float valves 2. Cement Head **3. Gate valve**	1. Hydrostatic **2. Packoff** 3. Wellhead Adaptor
Remove Cement Head	1. Double float valves	1. Hydrostatic 2. BOP (annular, VBR)	1. Double float valves **2. Gate valve**	1. Hydrostatic **2. Packoff** 3. Wellhead Adaptor
N/D & Install TA Cap	1. Double float valves 2. BPV	1. Hydrostatic 2. Packoff	1. Double float valves 2. BPV	1. Hydrostatic 2. Packoff

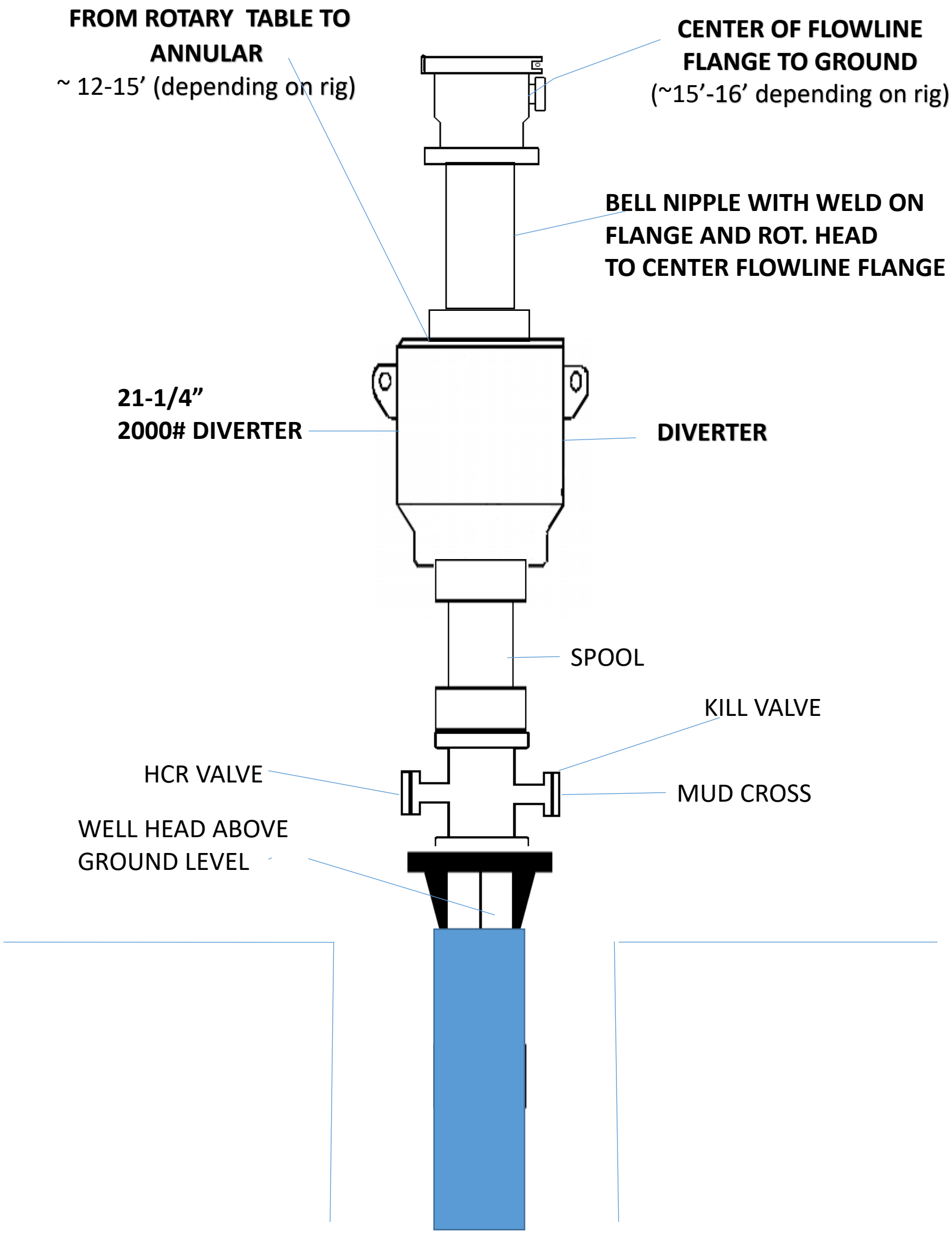
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Well Control Response Plan

The following well control response plan for offline cementing is the same as for online cementing.

1. **Pre-job design:** Cement job designed to define max pump rates to reduce ECD and avoid losses during cement job.
2. **Identify the influx / re-route return flow:** If an influx is observed, the cementing manifold would be re-routed to direct flow to the rig choke manifold (instead of the shakers). If gas was encountered or a kick was detected, continue pumping the job through the rig choke / gas buster while controlling annulus back pressure through the rig choke. Shut the well in once the job is finished (to ensure cement does not set up inside casing). Roles & responsibilities are as follows:
    - Onsite well site representative responsible for monitoring and helping to identify if an influx occurred with support from the rig crews.
    - Rig crew responsible for shutting in the well.
    - Onsite well site representative responsible for operating the rig choke manifold.
3. **Monitor pressure:** If well is shut-in, pressure monitored while cement is building compressive strength.
4. **Flow check:** Once sufficient time is allocated to build compressive strength, perform flow check.
5. **Shut-in:** If annulus pressure / flow is observed, shut-in the well at the casing valves.
6. **Kill the well:** Pump kill weight mud or cement (depending on well conditions) via bradenhead squeeze down the annulus using the rig pumps tied into the cementing manifold or the cement truck.
7. **Flow check:** Flow check the well to confirm static.

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FROM ROTARY TABLE TO ANNULAR
~ 12-15’ (depending on rig)
CENTER OF FLOWLINE FLANGE TO GROUND
(~15’-16’ depending on rig)
BELL NIPPLE WITH WELD ON FLANGE AND ROT. HEAD TO CENTER FLOWLINE FLANGE
21-1/4”
2000# DIVERTER
DIVERTER
SPOOL
KILL VALVE
HCR VALVE
MUD CROSS
WELL HEAD ABOVE GROUND LEVEL

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TenarisHydril Wedge 461®



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	6.000 in.	**Wall Thickness**	0.438 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	6.000 in.	**Wall Thickness**	0.438 in.	**Body Yield Strength**	957 x1000 lb
Nominal Weight	26.00 lb/ft	**Plain End Weight**	26.04 lb/ft	**Min. Internal Yield Pressure**	15,970 psi
Drift	4.999 in.	**OD Tolerance**	API	**SMYS**	125,000 psi
Nominal ID	5.124 in.			**Collapse Pressure**	15,200 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.800 in.	**Tension Efficiency**	100 %	**Minimum**	20,000 ft-lb
Coupling Length	8.914 in.	**Joint Yield Strength**	957 x1000 lb	**Optimum**	21,000 ft-lb
Connection ID	5.170 in.	**Internal Pressure Capacity**	15,970 psi	**Maximum**	25,200 ft-lb
Make-up Loss	4.375 in.	**Compression Efficiency**	100 %		
Threads per inch	3.40	**Compression Strength**	957 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	95.49 °/100 ft	**Operating Torque**	57,000 ft-lb
		External Pressure Capacity	15,200 psi	**Yield Torque**	67,000 ft-lb
		Coupling Face Load	347,000 lb	**Buck-On**	
				Minimum	25,200 ft-lb
				Maximum	26,700 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 461® - 6 in. - 0.351 (22.30) / 0.4 (24.50) / 0.415 (25.10) / 0.453 (29.80) / 0.453 (26.90) / 0.5 (29.80) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

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PIII-0/CI-1

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

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Received by OCD: 6/17/2026 7:41:52 AM

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

Sundry Print Report

06/12/2026

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
JAMES RANCH	802H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	805H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	111H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	112H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	115H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	116H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	701H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	702H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	703H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	706H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	708H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	801H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	806H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	901H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	902H		NMNM02952C	NMNM70965X	XTO PERMIAN
JAMES RANCH	905H		NMNM02952A	NMNM70965X	XTO PERMIAN
JAMES RANCH	906H		NMNM02952A	NMNM70965X	XTO PERMIAN

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Released to Imaging: 7/8/2026 10:10:46 AM

Notice of Intent

Sundry ID: 2912693

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/22/2026

Time Sundry Submitted: 12:08

Date proposed operation will begin: 05/22/2026

Procedure Description: XTO Permian Operating, LLC respectfully requests to update the selected wells to include the revised break test variance COA language that has been modified to the following: 1. BOPE Break Testing is ONLY permitted for intermediate hole sections for MASP 4800psi. (Annular preventer must be tested to a minimum of 70% of annular RWP and shall be higher than the intermediate hole section MASP on initial full BOP test). 2. BOPE Break Testing is NOT permitted to drilling the production hole section. 3. Variance only pertains to the intermediate hole-sections where BLM MASP 4800 psi. 4. A full BOPE test is required prior to drilling the first intermediate hole section and intermediate hole sections exceeding 12,000' TVD (intermediate hole sections with MASP >4800psi will require 10M tests and will not be considered for break testing). 5. While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle. 6. 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. 7. The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests. 8. As a minimum, a full BOPE test shall be performed at 21-day intervals. 9. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3172. 10. If in the event break testing is not utilized, then a full BOPE test will be conducted. An updated Break Test Variance document is attached for your review.

NOI Attachments

Procedure Description

BOP_Break_Test_Variance__Update_May_11___2026__20260522110229.pdf

CONFIDENTIAL

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 22, 2026 11:02 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: ZOTA M STEVENS **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752345998 **BLM POC Email Address:** ZSTEVENS@BLM.GOV

Disposition: Approved **Disposition Date:** 06/12/2026

Signature: Zota Stevens

CONFIDENTIAL

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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

7. The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.

8. As a minimum, a full BOPE test shall be performed at 21-day intervals.

9. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3172.

10. If in the event break testing is not utilized, then a full BOPE test will be conducted.

An updated Break Test Variance document is attached for your review.

Batch Well Data

JAMES RANCH UNIT DI 8 W FED COM 111H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 112H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 115H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 116H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 701H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 702H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 703H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 706H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 708H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 801H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 802H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

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JAMES RANCH UNIT DI 8 W FED COM 805H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 806H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 901H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 902H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952C, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 905H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

JAMES RANCH UNIT DI 8 W FED COM 906H, US Well Number: null, Case Number: NMNM70965X, Lease Number: NMNM02952A, Operator:XTO PERMIAN OPERATING LLC

CONFIDENTIAL

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

Exxon Mobil 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…"*. Exxon Mobil considers the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, Exxon Mobil 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 Exxon Mobil 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 3170 recognizes 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.

62 API STANDARD 53

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.

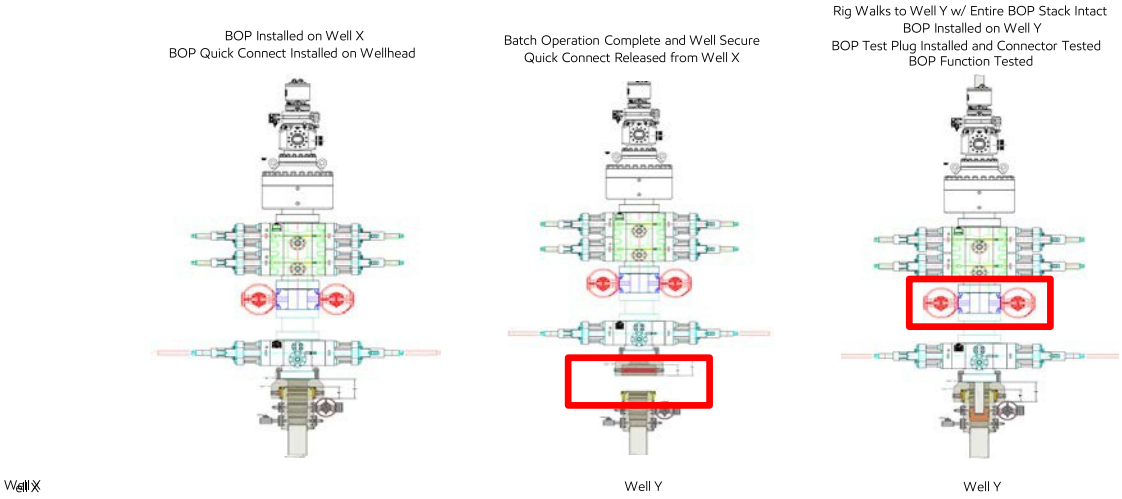
Exxon Mobil considers break testing and our current procedures meet the intent of CFR Title 43 Part 3170 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. Exxon Mobil internal standards requires complete BOPE tests more 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. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. Exxon Mobil will use this document for 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. Exxon Mobil 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 intermediate hole section of the pad, and intermediate hole sections exceeding 12,000' TVD
    b. A Full BOP test will be required if the intermediate hole section being drilled has a BLM MASP over 4800 psi.
    c. 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. Connection between the HCV valve and choke line
    b. Connection between the BOP quick connect and the wellhead
4. The BOP will be lifted and removed from the wellhead by a hydraulic system
5. While transferring between wells, the BOPE will be secured by the hydraulic carrier or cradle.
6. The connections between the HCV valve - choke line and BOP quick connect - wellhead 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

- Variance is requested only for intermediate hole sections where MASP <4800 psi and intermediate hole sections do not exceed 12,000' TVD
- 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.
- Any well control event while drilling require notification to the BLM Petroleum Engineer
- The BLM will be contacted 4 hours prior to BOPE tests.

Based on 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.

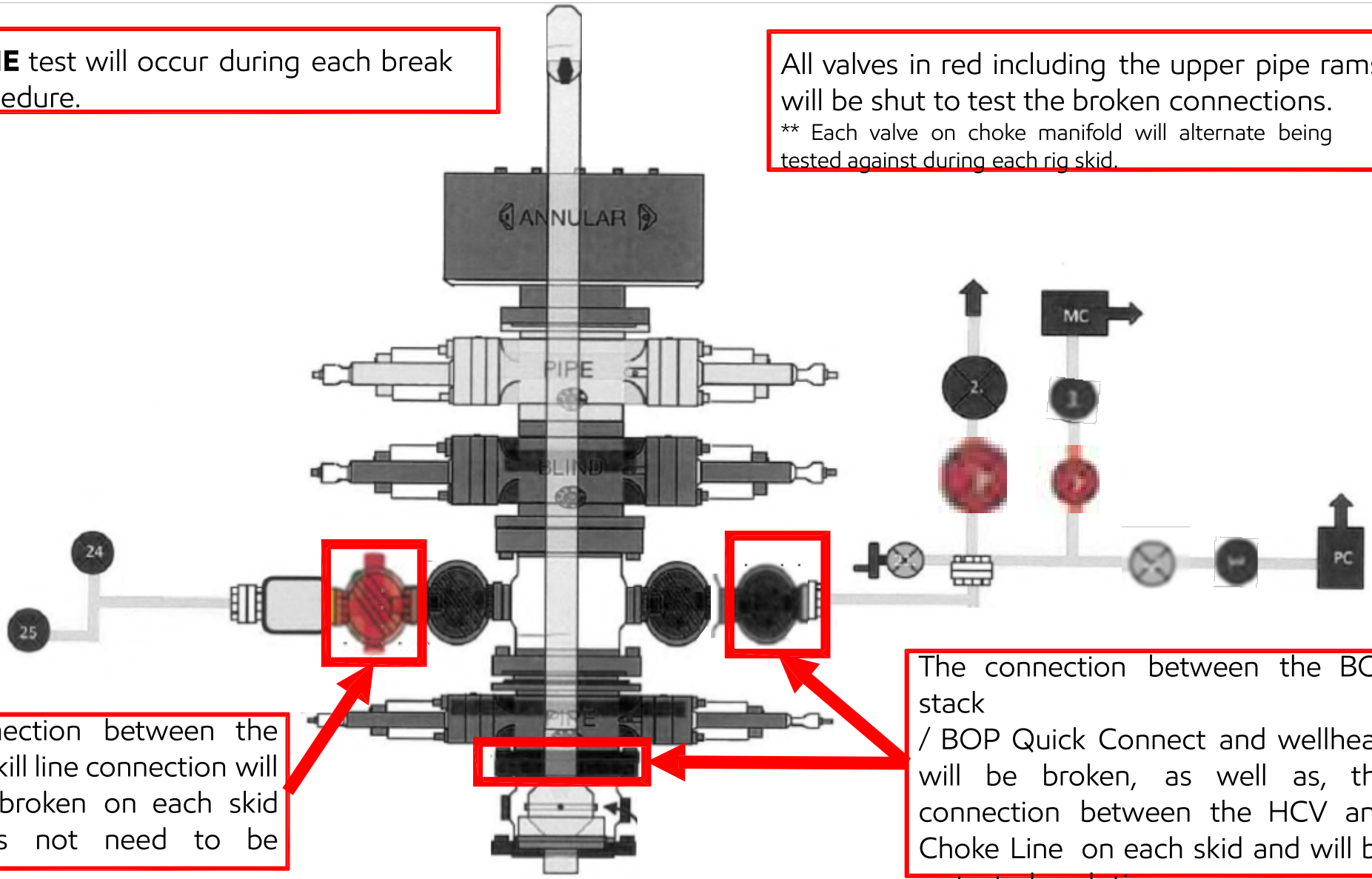
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 4800psi and/or intermediate hole sections exceeds 12,000' TVD

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.

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

Sundry Print Report

04/21/2026

Well Name: JAMES RANCH UNIT DI 8 WARBONNET

Well Location: T22S / R30E / SEC 36 / SESW / 32.344421 / -103.836998

County or Parish/State: EDDY / NM

Well Number: 706H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02952A

Unit or CA Name: JAMES RANCH UNIT

Unit or CA Number: NMNM70965X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2895136

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/12/2026

Time Sundry Submitted: 10:16

Date proposed operation will begin: 02/17/2026

Procedure Description: *** Name Change Sundry ***XTO Permian Operating LLC., respectfully requests approval to change the name of this well from "James Ranch Unit DI 8 Warbonnet 706H" to "James Ranch Unit DI 8 W Fed Com 706H". APD ID for this well is 10400096335.

NOI Attachments

Procedure Description

JAMES_RANCH_UNIT_DI_8_W_FED_COM_706H_C102_FINAL_02_11_2026_20260212101528.pdf

CONFIDENTIAL

Well Name: JAMES RANCH UNIT DI 8 WARBONNET

Well Location: T22S / R30E / SEC 36 / SESW / 32.344421 / -103.836998

County or Parish/State: EDDY / NM

Well Number: 706H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02952A

Unit or CA Name: JAMES RANCH UNIT

Unit or CA Number: NMNM70965X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

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: SRINIVAS LAGHUVARAPU

Signed on: FEB 14, 2026 03:27 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: SRINIVAS.N.LAGHUVARAPU@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MARIAH HUGHES

BLM POC Title: Land Law Examiner

BLM POC Phone: 5752345972

BLM POC Email Address: MHUGHES@BLM.GOV

Disposition: Approved

Disposition Date: 02/23/2026

Signature: CODY LAYTON ASSISTANT FIELD MANAGER

Released to Imaging: 7/8/2026 10:10:46 AM

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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

Location of Well

0. SHL: SESW / 1125 FSL / 1835 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.344421 / LONG: -103.836998 (TVD: 0 feet, MD: 0 feet)

PPP: NESW / 1650 FSL / 2300 FWL / TWSP: 22S / RANGE: 30E / SECTION: 36 / LAT: 32.345861 / LONG: -103.835488 (TVD: 9751 feet, MD: 10200 feet)

PPP: NESE / 1650 FSL / 0 FWL / TWSP: 22S / RANGE: 30E / SECTION: 35 / LAT: 32.345878 / LONG: -103.842936 (TVD: 9751 feet, MD: 12500 feet)

BHL: NWSE / 1650 FSL / 2625 FEL / TWSP: 22S / RANGE: 30E / SECTION: 33 / LAT: 32.34597 / LONG: -103.886115 (TVD: 9751 feet, MD: 25807 feet)

CONFIDENTIAL

Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

C-102
Revised July 9, 2024
Submit Electronically via OCD Permitting

Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	97975	WC-015 G-06 S243119C; Bone Spring

Property Code	Property Name	Well Number
	JAMES RANCH UNIT DI 8 W FED COM	706H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3302'

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

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	36	22S	30E		1,125 FSL	1,835 FWL	32.344421	-103.836998	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	33	22S	30E		1,650 FSL	2,625 FEL	32.345970	-103.886115	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
480.00	INFILL		N	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
N	36	22S	30E		1,125 FSL	1,835 FWL	32.344421	-103.836998	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
K	36	22S	30E		1,650 FSL	2,300 FWL	32.345861	-103.835488	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	33	22S	30E		1,650 FSL	2,575 FEL	32.345969	-103.885953	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM-070965X	☒ Horizontal ☐ Vertical	3302'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature — Date: 2/12/2026

Laura Chapman
Printed Name

laura.m.chapman@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

23786
Certificate Number

02-11-2026
Date of Survey

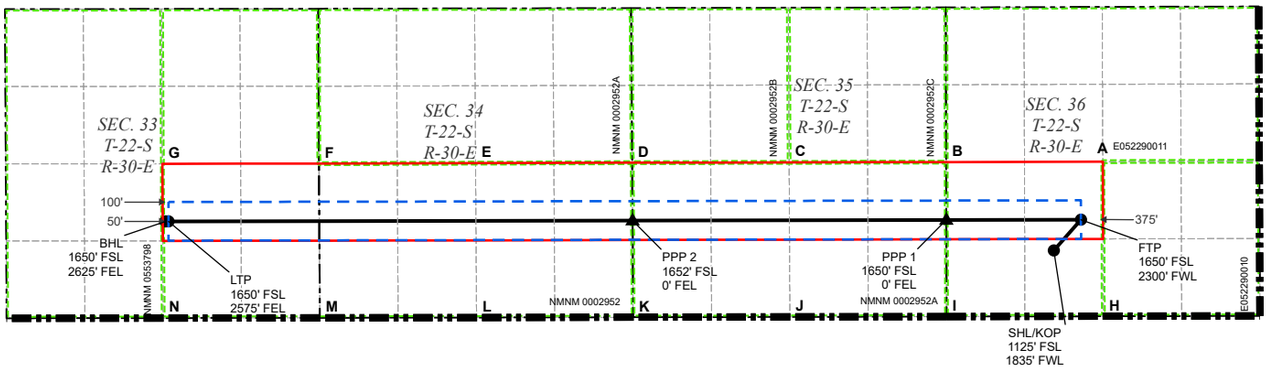
DN 618.013002.09-24

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

ACREAGE DEDICATION PLATS

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

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



LEGEND

SECTION LINE
TOWNSHIP LINE
DEDICATED ACREAGE
330' BUFFER
MINERAL LEASE
WELLBORE
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/KOP	694,618.4	489,387.5	32.344421	-103.836998	653,436.4	489,327.3	32.344298	-103.836506
FTP	695,082.2	489,913.5	32.345861	-103.835488	653,900.2	489,853.2	32.345738	-103.834996
LTP	679,497.5	489,884.2	32.345969	-103.885953	638,315.4	489,823.7	32.345846	-103.885460
BHL	679,447.4	489,884.1	32.345970	-103.886115	638,265.4	489,823.6	32.345846	-103.885622
PPP 1	692,781.9	489,909.1	32.345878	-103.842937	651,599.9	489,848.9	32.345755	-103.842445
PPP 2	687,422.6	489,899.1	32.345917	-103.860291	646,240.7	489,838.8	32.345794	-103.859798

CORNER COORDINATE TABLE

CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	695,453.7	490,904.5	654,271.7	490,844.2
B	692,779.4	490,896.9	651,597.5	490,836.6
C	690,097.3	490,891.5	648,915.3	490,831.2
D	687,416.5	490,886.1	646,234.6	490,825.8
E	684,741.7	490,877.3	643,559.8	490,817.0
F	682,066.2	490,868.5	640,884.2	490,808.0
G	679,392.1	490,868.0	638,210.1	490,807.5
H	695,462.5	488,264.2	654,280.4	488,204.0
I	692,786.0	488,258.9	651,604.0	488,198.7
J	690,110.1	488,252.6	648,928.1	488,192.3
K	687,432.9	488,247.4	646,250.8	488,187.2
L	684,758.2	488,242.1	643,576.1	488,181.8
M	682,081.9	488,237.7	640,899.8	488,177.2
N	679,406.2	488,234.0	638,224.2	488,173.5

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

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

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 3617 North Big Spring Street MIDLAND, TX 79705	OGRID: 373075
	Action Number: 593773
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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Santa Fe, NM 87505

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 3617 North Big Spring Street MIDLAND, TX 79705	OGRID: 373075
	Action Number: 593773
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mvenkatesh	Cement is required to circulate on both surface and intermediate1 strings of casing.	6/17/2026
jeffrey.harrison	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	7/8/2026
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.	7/8/2026
jeffrey.harrison	Out of compliance with Rule 19.15.5.9 Inactive Well List. Well cannot be produced until the operator is back in compliance.	7/8/2026
jeffrey.harrison	This well is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the order.	7/8/2026
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	7/8/2026
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	7/8/2026
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	7/8/2026
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	7/8/2026