AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 02/26/2025 03:55 PM

APD ID:	10400101672	Well Status:	AAPD
APD Received Date:	10/29/2024 03:13 PM	Well Name:	POKER LAKE UNIT 26 BD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	204H

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: 4 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: 1 file(s)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report
- Bond Attachments
  -- None

Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMLC063875

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.: NMNM071016X/POKER LAKE UNIT

8. Lease Name and Well No.: POKER LAKE UNIT 26 BD 204H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-56496

3a. Address: 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND, TX 7970

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

10. Field and Pool, or Exploratory: PURPLE SAGE/WOLFCAMP (GAS)

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

At surface: SWNW / 2230 FNL / 794 FWL / LAT 32.102395 / LONG -103.85786

At proposed prod. zone: SESE / 180 FSL / 1143 FEL / LAT 32.07973 / LONG -103.84704

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 26/T25S/R30E/NMP

14. Distance in miles and direction from nearest town or post office*

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 794 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 480.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 30 feet

19. Proposed Depth: 12050 feet / 21350 feet

20. BLM/BIA Bond No. in file: FED: COB000050

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3307 feet

22. Approximate date work will start*: 05/26/2024

23. Estimated duration: 45 days

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: (Electronic Submission)

Name *(Printed/Typed)*: VISHAL RAJAN / Ph: (432) 682-8873

Date: 10/29/2024

Title: Regulatory Clerk

Approved by *(Signature)*: (Electronic Submission)

Name *(Printed/Typed)*: CODY LAYTON / Ph: (575) 234-5959

Date: 02/26/2025

Title: Assistant Field Manager Lands & Minerals

Office: Carlsbad Field 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: 02/26/2025

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.

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Approval Date: 02/26/2025

Additional Operator Remarks

Location of Well

0. SHL: SWNW / 2230 FNL / 794 FWL / TWSP: 25S / RANGE: 30E / SECTION: 26 / LAT: 32.102395 / LONG: -103.85786 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 0 FNL / 1123 FEL / TWSP: 25S / RANGE: 30E / SECTION: 26 / LAT: 32.093875 / LONG: -103.846975 (TVD: 12050 feet, MD: 16300 feet)

PPP: NESE / 2540 FSL / 1130 FEL / TWSP: 25S / RANGE: 30E / SECTION: 26 / LAT: 32.100857 / LONG: -103.846944 (TVD: 12050 feet, MD: 13700 feet)

BHL: SESE / 180 FSL / 1143 FEL / TWSP: 25S / RANGE: 30E / SECTION: 35 / LAT: 32.07973 / LONG: -103.84704 (TVD: 12050 feet, MD: 21350 feet)

BLM Point of Contact

Name: MARIAH HUGHES
Title: Land Law Examiner
Phone: (575) 234-5972
Email: mhughes@blm.gov

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

PECOS DISTRICT

SURFACE USE

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
LEASE NO.:	NMLC0063875; NMLC0063875A
COUNTY:	Eddy County, New Mexico

Wells:

Poker Lake Unit 26 BD 201H

SHL - Sec 26 T25S R30E 2140' FNL 794' FWL

BHL – Sec 35 T25S R30E 180' FSL 1510' FWL

Poker Lake Unit 26 BD 202H

SHL - Sec 26 T25S R30E 2170' FNL 794' FWL

BHL – Sec 35 T25S R30E 180' FSL 2399' FWL

Poker Lake Unit 26 BD 203H

SHL - Sec 26 T25S R30E 2200' FNL 794' FWL

BHL – Sec 35 T25S R30E 180' FSL 2032' FWL

Poker Lake Unit 26 BD 204H

SHL - Sec 26 T25S R30E 2230' FNL 794' FWL

BHL – Sec 35 T25S R30E 180' FSL 1143' FWL

Approval Date: 02/26/2025

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1. 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.

1.1. 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.

1.2. RANGELAND RESOURCES

1.2.1. **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.

1.2.2. **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).

1.2.3. **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.

1.3. 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.

1.4. LIGHT POLLUTION

1.4.1. **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.

1.4.2. **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).

1.4.3. **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.

2. SPECIAL REQUIREMENTS

2.1. WATERSHED

The entire well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. The compacted berm shall be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche). Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed. Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion. Stockpiling of topsoil is required. The topsoil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control. If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

2.3 VISUAL RESOURCE MANAGEMENT

2.5.1 **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).

2.5**CONSTRUCTION REQUIRENMENTS**

3.1 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.

3.2 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.

3.3 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.

3.4 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.

3.5 WELL PAD & SURFACING

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

3.6 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.

3.7 ON LEASE ACESS ROAD

3.7.1 **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.

3.7.2 **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.

3.7.3 **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.

3.7.4 **Ditching**

Ditching shall be required on both sides of the road.

3.7.5 **Turnouts**

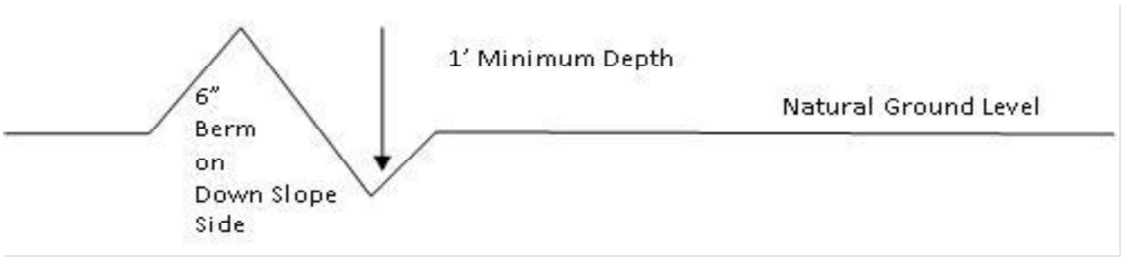
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

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:

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

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

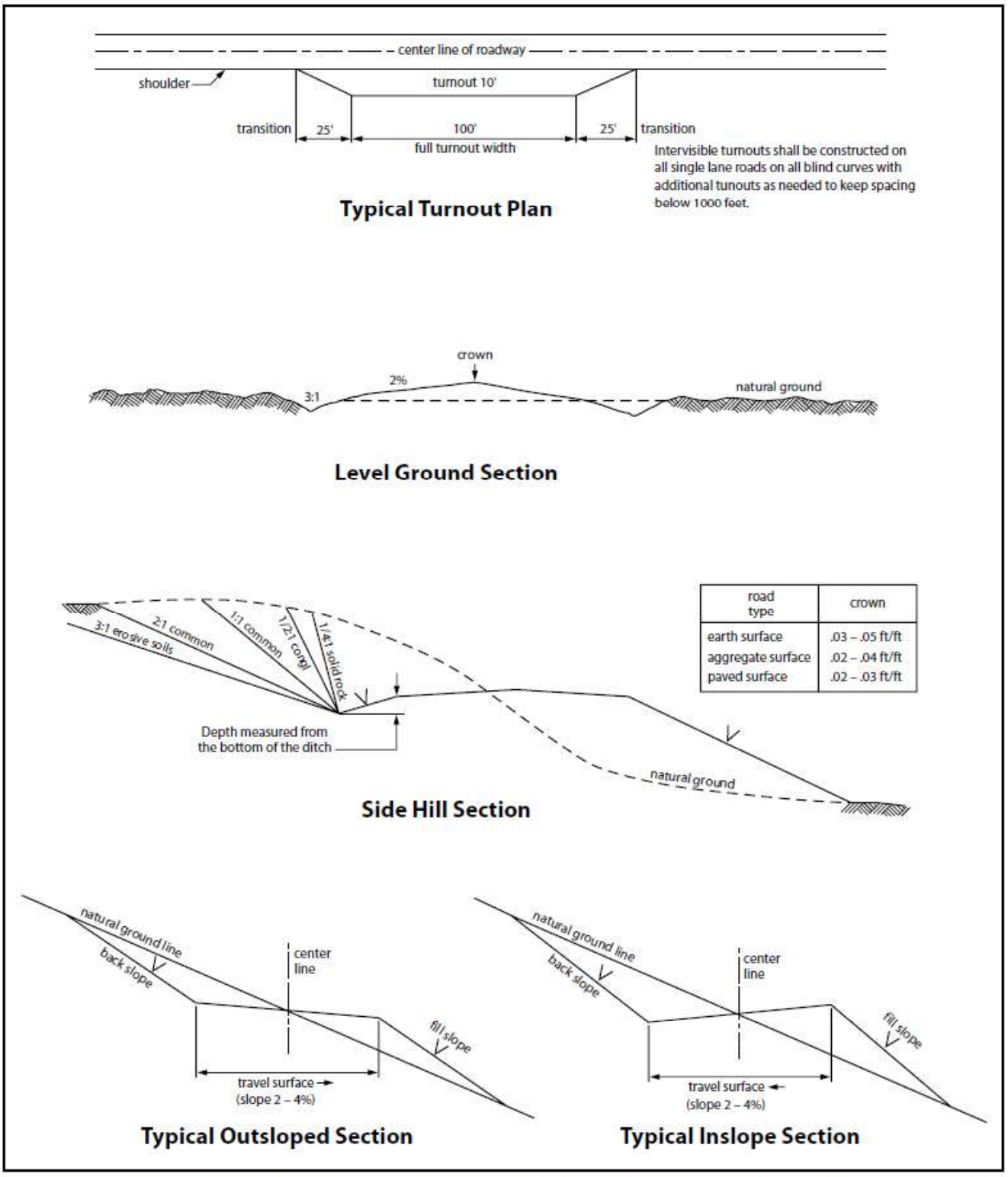


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

4. PRODUCTION (POST DRILLING)

5.1 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.

5. 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
LEASE NO.:	**NMLC063875A**
LOCATION:	Sec. 26, T.25 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 26 BD 204H
SURFACE HOLE FOOTAGE:	2230'/N & 794'/W
BOTTOM HOLE FOOTAGE:	180'/S & 1143'/E

COA

H_2S	○ No		○ Yes	
Potash / WIPP	◉ None	○ Secretary	○ R-111-Q	☐ Open Annulus
	Choose an option (including blank option.)			☐ WIPP
Cave / Karst	○ Low	◉ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☑ Primary Squeeze	☐ Cont. Squeeze	☑ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☐ COM	☑ Unit
Waste Prev.	○ Self-Certification	◉ Waste Min. Plan	○ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose	☑ Casing Clearance	☐ Pilot Hole	☑ Break Testing
	☐ Four-String	☑ Offline Cementing	☑ Fluid-Filled	

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1109** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

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

Approval Date: 02/26/2025

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.

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

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6477'.**

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

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

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

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

C. PRESSURE CONTROL

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

2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

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

D. SPECIAL REQUIREMENT (S)

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)**

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)**
- BOPE Break Testing **is NOT** permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.

- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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

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

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:
Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220;
BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
    b. When the operator proposes to set surface casing with Spudder Rig
        i. Notify the BLM when moving in and removing the Spudder Rig.
        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 2/11/2025
575-234-5998 / zstevens@blm.gov

Approval Date: 02/26/2025

AFMSS

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

Operator Certification Data Report

02/26/2025

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: RAVI SAGAR **Signed on:** 10/29/2024

Title: Regulatory Clerk

Street Address: 22777 SPRINGWOODS VILLAGE PKWY

City: SPRING **State:** TX **Zip:** 77389

Phone: (817)870-2800

Email address: RAVI.SAGAR@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

AFMSS

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

Application Data
02/26/2025

APD ID: 10400101672 **Submission Date:** 10/29/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Well Type: CONVENTIONAL GAS WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400101672 **Tie to previous NOS?** N **Submission Date:** 10/29/2024

BLM Office: Carlsbad **User:** RAVI SAGAR **Title:** Regulatory Clerk

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMLC063875 **Lease Acres:**

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? YES **Federal or Indian agreement:** FEDERAL

Agreement number: NMNM71016X

Agreement name: POKER LAKE 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: POKER LAKE UNIT 26 BD **Well Number:** 204H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** PURPLE SAGE **Pool Name:** WOLFCAMP (GAS)

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** POKER LAKE UNIT 26 BD **Number:** A

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

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 30 FT **Distance to lease line:** 794 FT

Reservoir well spacing assigned acres Measurement: 480 Acres

Well plat: PLU_26_BD_204H_C102_20241029134031.pdf

Well work start Date: 05/26/2024 **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	2230	FNL	794	FWL	25S	30E	26	Aliquot SWNW	32.102395	-103.85786	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC063875A	3307	0	0	N
KOP Leg #1	2070	FNL	1132	FEL	25S	30E	26	Aliquot SENE	32.102825	-103.846936	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC063875A	-8027	12540	11334	N
PPP Leg #1-1	2540	FSL	1130	FEL	25S	30E	26	Aliquot NESE	32.100857	-103.846944	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC063875	-8743	13700	12050	Y

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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	0	FNL	1123	FEL	25S	30E	26	Aliquot NENE	32.093875	-103.846975	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 05039A	-8743	16300	12050	Y
EXIT Leg #1	330	FSL	1142	FEL	25S	30E	35	Aliquot SESE	32.080142	-103.847036	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 05039	-8743	21200	12050	Y
BHL Leg #1	180	FSL	1143	FEL	25S	30E	35	Aliquot SESE	32.07973	-103.8470 4	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 05039	-8743	21350	12050	Y

C-102

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015 -56496	98220	PURPLE SAGE, WOLFCAMP (GAS)

Property Code	Property Name	Well Number
329859	POKER LAKE UNIT 26 BD	204H

ORGID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,307'

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
E	26	25 S	30 E		2,230' FNL	794' FWL	32.102395	-103.857860	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	35	25 S	30 E		180' FSL	1,143' FEL	32.079730	-103.847040	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
480	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
H	26	25 S	30 E		2,070' FNL	1,132' FEL	32.102825	-103.846936	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	26	25 S	30 E		2,540' FSL	1,130' FEL	32.100857	-103.846944	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	35	25 S	30 E		330' FSL	1,142' FEL	32.080142	-103.847036	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM-071016X	☒ Horizontal ☐ Vertical	3,307'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working 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 form the division.

Signature: Vishal Rajan Date: 10/28/2024

Printed Name: Vishal Rajan

Email Address: vishal.rajan@exxonmobil.com

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.

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED 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.

23 Oct 2024

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number: TIM C. PAPPAS 21209

Date of Survey: 10/23/2024

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.

FSC INC SURVEYORS+ENGINEERS
2821 West 7th Street., Ste 200 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE: 10-23-2024 PROJECT NO: 2024100455
DRAWN BY: LM SCALE:
CHECKED BY: CH SHEET: 1 OF 2
FIELD CREW: IR REVISION:

ACREAGE DEDICATION PLATS

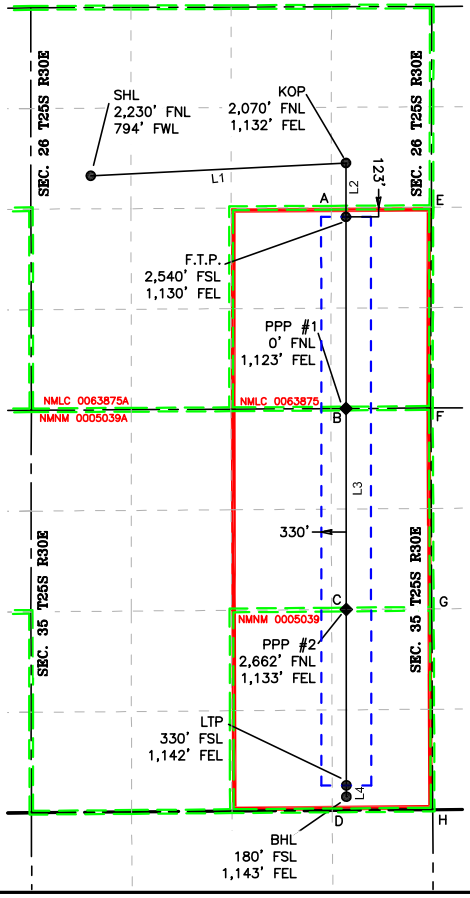
This grid represents a standard section. You may superimpose a non-standard section, or a larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the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

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

LEGEND

- SECTION LINE
- PROPOSED WELLBORE
- NEW MEXICO MINERAL LEASE LINE
- 330' BUFFER
- DEDICATED ACREAGE

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	87° 05'50"	3,386.47'
L2	179° 57'06"	716.16'
L3	179° 57'33"	7,535.69'
L4	180° 07'00"	150.01'



COORDINATE TABLE					
SHL (NAD 83 NME)			FTP (NAD 83 NME)		
Y =	401,312.7	N	Y =	400,768.0	N
X =	688,565.2	E	X =	691,947.9	E
LAT. =	32.102395	°N	LAT. =	32.100857	°N
LONG. =	103.857860	°W	LONG. =	103.846944	°W
KOP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	401,484.2	N	Y =	393,082.3	N
X =	691,947.3	E	X =	691,953.0	E
LAT. =	32.102825	°N	LAT. =	32.079730	°N
LONG. =	103.846936	°W	LONG. =	103.847040	°W
LTP (NAD 83 NME)					
Y =	393,232.3	N			
X =	691,953.3	E			
LAT. =	32.080142	°N			
LONG. =	103.847036	°W			
SHL (NAD 27 NME)			FTP (NAD 27 NME)		
Y =	401,254.7	N	Y =	400,710.0	N
X =	647,379.9	E	X =	650,762.5	E
LAT. =	32.102271	°N	LAT. =	32.100732	°N
LONG. =	103.857380	°W	LONG. =	103.846464	°W
KOP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	401,426.2	N	Y =	393,024.5	N
X =	650,761.9	E	X =	650,767.3	E
LAT. =	32.102701	°N	LAT. =	32.079605	°N
LONG. =	103.846455	°W	LONG. =	103.846560	°W
LTP (NAD 27 NME)					
Y =	393,174.5	N			
X =	650,767.6	E			
LAT. =	32.080017	°N			
LONG. =	103.846557	°W			
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	398,228.0	N	Y =	398,170.1	N
X =	691,949.7	E	X =	650,764.2	E
LAT. =	32.093875	°N	LAT. =	32.093750	°N
LONG. =	103.846975	°W	LONG. =	103.846495	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	395,563.9	N	Y =	395,506.1	N
X =	691,951.6	E	X =	650,766.0	E
LAT. =	32.086551	°N	LAT. =	32.086427	°N
LONG. =	103.847008	°W	LONG. =	103.846528	°W

CORNER COORDINATES (NAD83 NME)					
A - Y =	400,890.0	N	A - X =	691,751.4	E
B - Y =	398,226.7	N	B - X =	691,748.0	E
C - Y =	395,562.5	N	C - X =	691,756.9	E
D - Y =	392,900.9	N	D - X =	691,766.1	E
E - Y =	400,896.3	N	E - X =	693,078.2	E
F - Y =	398,235.0	N	F - X =	693,072.5	E
G - Y =	395,572.5	N	G - X =	693,084.4	E
H - Y =	392,911.2	N	H - X =	693,096.8	E
CORNER COORDINATES (NAD27 NME)					
A - Y =	400,832.1	N	A - X =	650,566.0	E
B - Y =	398,168.8	N	B - X =	650,562.5	E
C - Y =	395,504.6	N	C - X =	650,571.4	E
D - Y =	392,843.1	N	D - X =	650,580.4	E
E - Y =	400,838.4	N	E - X =	651,892.8	E
F - Y =	398,177.1	N	F - X =	651,887.0	E
G - Y =	395,514.6	N	G - X =	651,898.8	E
H - Y =	392,853.4	N	H - X =	651,911.1	E

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DATE:	10-23-2024	PROJECT NO:	2024100455
DRAWN BY:	LM	SCALE:	1" = 2,000'
CHECKED BY:	CH	SHEET:	2 OF 2
FIELD CREW:	IR	REVISION:	

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

Drilling Plan Data Report
02/26/2025

APD ID: 10400101672
Submission Date: 10/29/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 26 BD
Well Number: 204H
Well Type: CONVENTIONAL GAS 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
15107588	QUATERNARY	3307	0	0	ALLUVIUM	USEABLE WATER	N
15107589	RUSTLER	2423	884	884	ANHYDRITE, SANDSTONE	USEABLE WATER	N
15107590	SALADO	2156	1151	1151	SALT	NONE	N
15107591	BASE OF SALT	-475	3782	3782	SALT	NONE	N
15107592	DELAWARE	-690	3997	3997	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107593	BRUSHY CANYON	-3214	6521	6521	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107594	BONE SPRING	-4506	7813	7813	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107595	BONE SPRING 1ST	-5239	8546	8546	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107596	BONE SPRING 2ND	-5778	9085	9085	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107597	BONE SPRING 3RD	-6632	9939	9939	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
15107598	WOLFCAMP	-7856	11163	11163	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15107599	WOLFCAMP	-7884	11191	11191	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15107600	WOLFCAMP	-7976	11283	11283	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15107601	WOLFCAMP	-8010	11317	11317	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15107602	WOLFCAMP	-8454	11761	11761	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
15107603	WOLFCAMP	-8637	11944	11944	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Pressure Rating (PSI): 10M **Rating Depth:** 12050

Equipment: Once the permanent WH is installed on the surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril Annular and a 10M Triple Ram BOP. XTO will use a 3 String Slim Hole 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 wild well control plan: 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:

PLU_26_BD_10MCM_20241022072936.pdf

BOP Diagram Attachment:

PLU_26_BD_5M10M_BOP_20241022072919.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	12.25	9.625	NEW	API	N	0	984	0	984	3307	2323	984	J-55	40	BUTT	6.4	1.07	DRY	16.01	DRY	16.01
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	12340	0	11130	3307	-7823	12340	L-80	29.7	FJ	1.54	1.33	DRY	1.64	DRY	1.64
3	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	21350	0	12050	3307	-8743	21350	P-110	20	OTHER - Freedom HTQ/Talon HTQ	1.42	1.26	DRY	1.96	DRY	1.96

Casing Attachments

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_20.00_production_casing_20241025112336.pdf

Talon___semiflush_5.5_20.00_production_casing_20241025112336.pdf

Tapered String Spec:

PLU_26_BD_204H_Csg_20241025150007.pdf

Casing Design Assumptions and Worksheet(s):

PLU_26_BD_204H_Csg_20241025150120.pdf

Section 4 - Cement

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	984	220	1.87	10.5	411.4	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	984	130	1.35	14.8	175.5	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	6521	730	1.33	14.8	970.9	100	Class C	NA
INTERMEDIATE	Tail		6521	12340	540	1.35	14.8	729	100	Class C	NA
PRODUCTION	Lead		12040	12540	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		12540	21350	630	1.51	13.2	951.3	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 Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

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

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
0	984	WATER-BASED MUD	8.4	8.9							

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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
984	3997	SALT SATURATED	10	10.5							
3997	12340	OTHER : BDE/OBM	10	10.5							
12340	21350	OIL-BASED MUD	12.5	13							

Section 6 - Test, Logging, Coring

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

Open hole logging will not be done on this well.

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

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

Coring operation description for the well:

No Coring Operations for Well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8146 **Anticipated Surface Pressure:** 5494

Anticipated Bottom Hole Temperature(F): 205

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_20241022071708.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU_26_BD_204H_DD_20241025151331.pdf

Other proposed operations facets description:

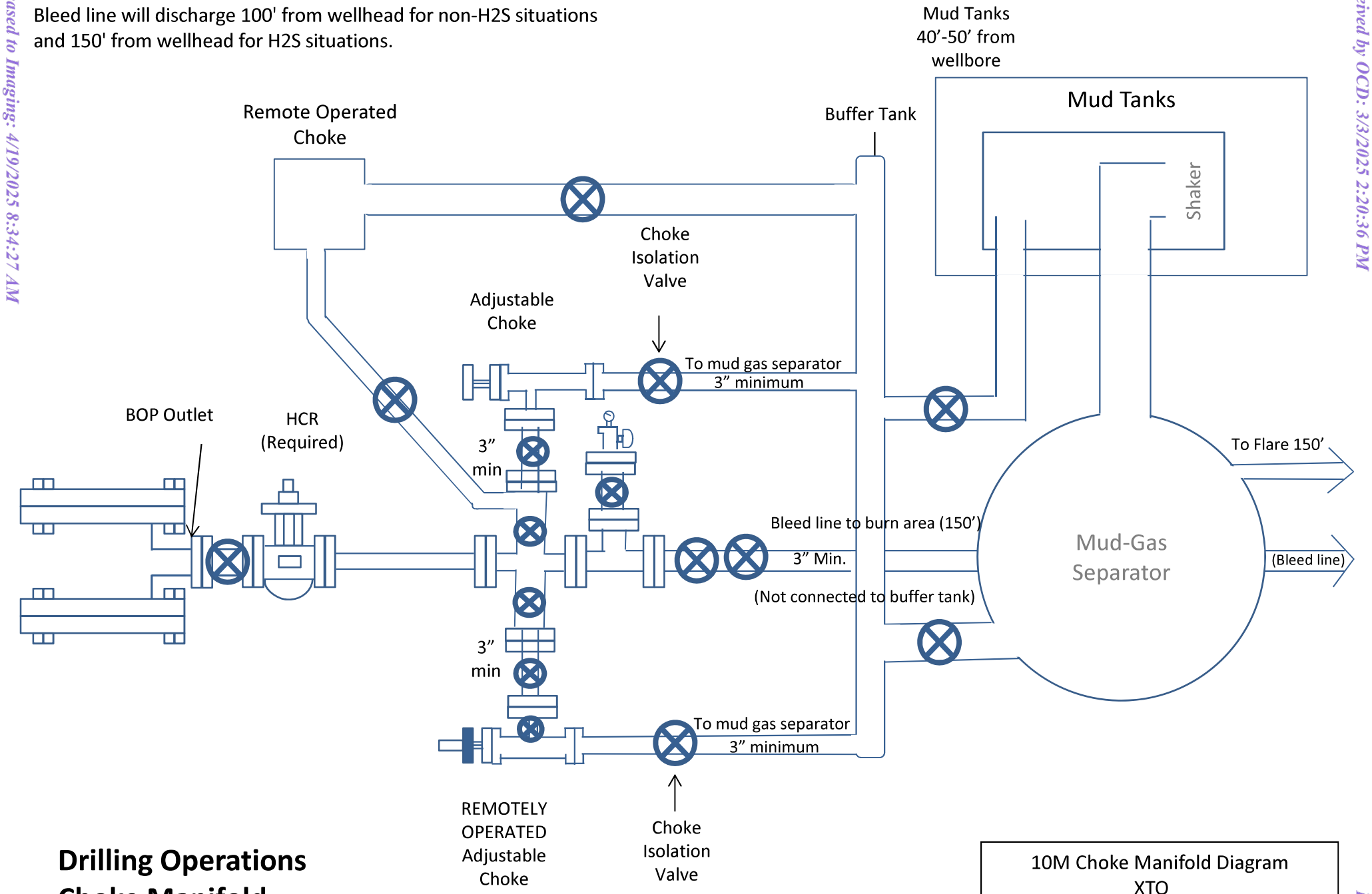
Other proposed operations facets attachment:

9.625_7.625_5.5_3_String_Slimhole_HBE0000479_4_20241022114542.pdf
GCP_PLU_26_BD_20241023110923.pdf
PLU_26_BD_204H_DP_20241029134956.pdf
H2S_Diagram_DiaA_20250129140350.pdf

Other Variance attachment:

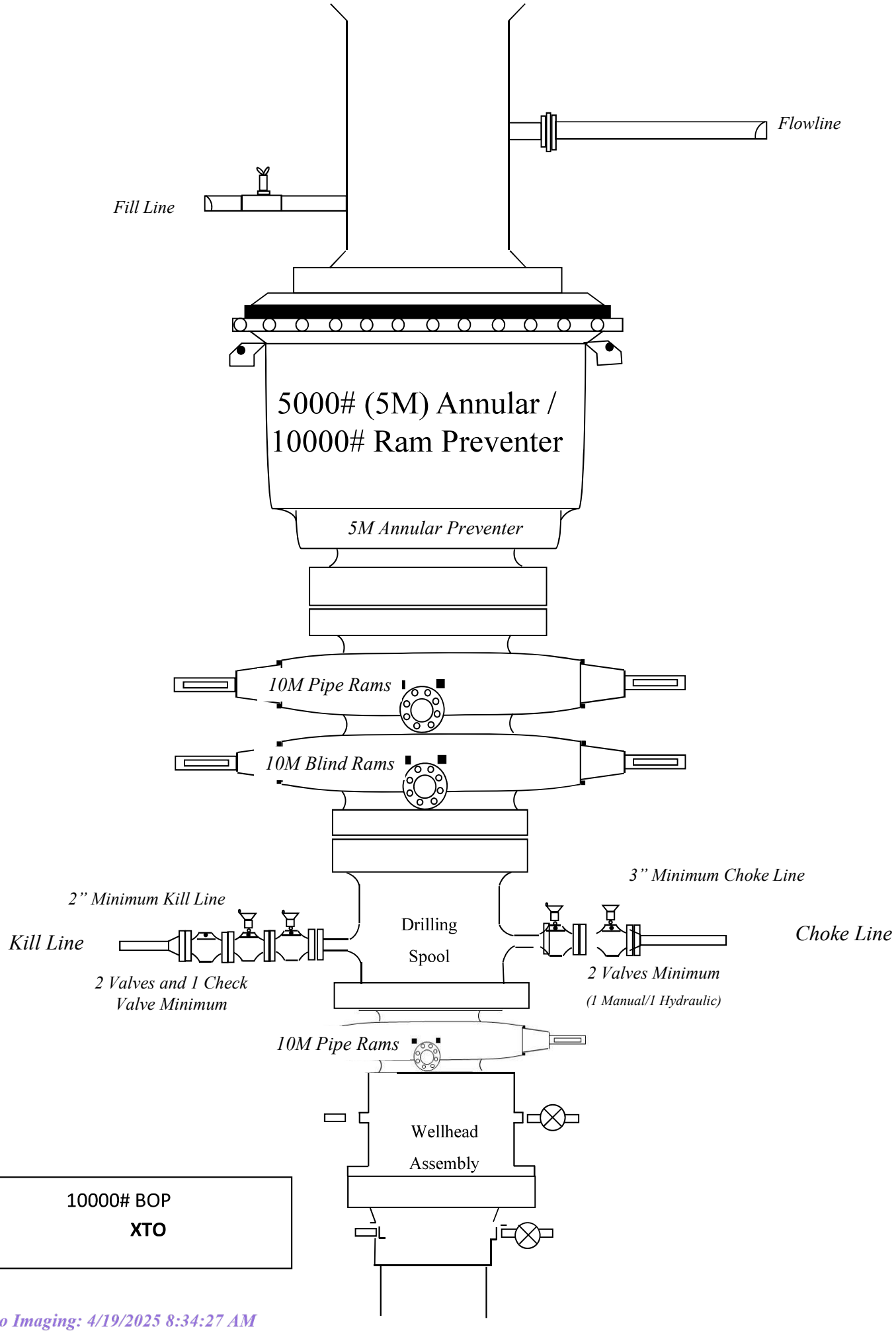
PLU_26_BD_OLCV_20241022103643.pdf
Spudder_Rig_Request_20241022103640.pdf
Updated_Flex_Hose_20241022103647.pdf
Wild_Well_Control_Plan_10M_Annular_BOP_Variance_20241022103642.pdf

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

U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-TALON HTQ™ RD

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	11,100	11,100	psi	--
Minimum Internal Yield Pressure	12,640	12,640	psi	--
Minimum Pipe Body Yield Strength	641,000	--	lb	--
Joint Strength	--	641,000	lb	--
Compression Rating	--	641,000	lb	--
Reference Length	--	21,370	ft	[5]
Maximum Uniaxial Bend Rating	--	91.7	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	17,000	ft-lb	[4]
Maximum Make-Up Torque	--	20,000	ft-lb	[4]
Maximum Operating Torque	--	39,500	ft-lb	[4]

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ®		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Outside Diameter	5.500	6.300	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Minimum Collapse Pressure	11,100	11,100	psi	--
Minimum Internal Yield Pressure	12,640	12,640	psi	--
Minimum Pipe Body Yield Strength	641,000	--	lb	--
Joint Strength	--	641,000	lb	--
Compression Rating	--	641,000	lb	--
Reference Length [4]	--	21,370	ft	--
Maximum Uniaxial Bend Rating [2]	--	91.7	deg/100 ft	--
MAKE-UP DATA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Make-Up Loss	--	4.13	in.	--
Minimum Make-Up Torque [3]	--	15,000	ft-lb	--
Maximum Make-Up Torque [3]	--	21,000	ft-lb	--
Maximum Operating Torque[3]	--	29,500	ft-lb	--

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
3. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
4. Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.

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460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 984'	9.625	40	J-55	BTC	New	1.07	6.40	16.01
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.83	2.57	1.52
8.75	4000' – 12339.66'	7.625	29.7	HC L-80	Flush Joint	New	1.33	1.54	1.64
6.75	0' – 12239.66'	5.5	20	RY P-110	Semi-Premium / Freedom HTQ	New	1.26	1.40	1.96
6.75	12239.66' - 21349.99'	5.5	20	RY P-110	Semi-Flush / Talon HTQ	New	1.26	1.42	1.96

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 984'	9.625	40	J-55	BTC	New	1.07	6.40	16.01
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.83	2.57	1.52
8.75	4000' – 12339.66'	7.625	29.7	HC L-80	Flush Joint	New	1.33	1.54	1.64
6.75	0' – 12239.66'	5.5	20	RY P-110	Semi-Premium / Freedom HTQ	New	1.26	1.40	1.96
6.75	12239.66' - 21349.99'	5.5	20	RY P-110	Semi-Flush / Talon HTQ	New	1.26	1.42	1.96

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

Well Plan Report - Poker Lake Unit 26 BD 204H

Measured Depth:	21349.99 ft	**Site:**	A
TVD RKB:	12050.00 ft	**Slot:**	Poker Lake Unit 26 BD 204H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	401254.70 ft		
Easting:	647379.90 ft		
RKB:	3339.00 ft		
Ground Level:	3307.00 ft		
North Reference:	Grid		
Convergence Angle:	0.25 Deg		

Plan Sections Poker Lake Unit 26 BD 204H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
3500.16	48.00	87.10	3229.06	48.01	946.78	2.00	0.00	2.00	
5505.69	48.00	87.10	4570.94	123.49	2435.34	0.00	0.00	0.00	
7905.86	0.00	0.00	6700.00	171.50	3382.12	-2.00	0.00	2.00	
12539.66	0.00	0.00	11333.80	171.50	3382.12	0.00	0.00	0.00	
13664.66	90.00	179.96	12050.00	-544.70	3382.60	8.00	0.00	8.00	FTP 3
21200.16	90.00	179.96	12050.00	-8080.20	3387.70	0.00	0.00	0.00	LTP 3
21349.99	90.00	179.96	12050.00	-8230.03	3387.80	0.00	0.00	0.00	BHL 3

Position Uncertainty Poker Lake Unit 26 BD 204H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.309	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.406	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.443	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.485	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.530	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.580	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.633	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	87.097	1199.980	4.816	0.000	4.693	0.000	2.689	0.000	0.000	5.149	4.328	-43.518	MWD+IFR1+MS
1300.000	4.000	87.097	1299.838	5.612	0.000	5.047	0.000	2.749	0.000	0.000	5.697	4.961	-22.293	MWD+IFR1+MS
1400.000	6.000	87.097	1399.452	6.323	0.000	5.404	0.000	2.815	0.000	0.000	6.349	5.394	-8.436	MWD+IFR1+MS
1500.000	8.000	87.097	1498.702	6.972	0.000	5.763	0.000	2.887	0.000	0.000	7.003	5.762	-1.841	MWD+IFR1+MS
1600.000	10.000	87.097	1597.465	7.574	0.000	6.125	0.000	2.970	0.000	0.000	7.630	6.114	1.651	MWD+IFR1+MS
1700.000	12.000	87.097	1695.623	8.140	0.000	6.491	0.000	3.065	0.000	0.000	8.227	6.464	3.765	MWD+IFR1+MS
1800.000	14.000	87.097	1793.055	8.674	0.000	6.863	0.000	3.173	0.000	0.000	8.796	6.818	5.182	MWD+IFR1+MS
1900.000	16.000	87.097	1889.643	9.183	0.000	7.241	0.000	3.296	0.000	0.000	9.342	7.179	6.209	MWD+IFR1+MS
2000.000	18.000	87.097	1985.268	9.669	0.000	7.627	0.000	3.436	0.000	0.000	9.868	7.548	7.006	MWD+IFR1+MS
2100.000	20.000	87.097	2079.816	10.135	0.000	8.023	0.000	3.594	0.000	0.000	10.376	7.928	7.664	MWD+IFR1+MS
2200.000	22.000	87.097	2173.169	10.585	0.000	8.431	0.000	3.771	0.000	0.000	10.868	8.322	8.240	MWD+IFR1+MS
2300.000	24.000	87.097	2265.215	11.020	0.000	8.853	0.000	3.968	0.000	0.000	11.346	8.731	8.776	MWD+IFR1+MS
2400.000	26.000	87.097	2355.841	11.442	0.000	9.291	0.000	4.185	0.000	0.000	11.812	9.156	9.307	MWD+IFR1+MS
2500.000	28.000	87.097	2444.937	11.852	0.000	9.749	0.000	4.424	0.000	0.000	12.267	9.601	9.864	MWD+IFR1+MS
2600.000	30.000	87.097	2532.394	12.251	0.000	10.227	0.000	4.685	0.000	0.000	12.712	10.068	10.480	MWD+IFR1+MS
2700.000	32.000	87.097	2618.107	12.642	0.000	10.729	0.000	4.968	0.000	0.000	13.148	10.558	11.196	MWD+IFR1+MS
2800.000	34.000	87.097	2701.970	13.024	0.000	11.258	0.000	5.274	0.000	0.000	13.576	11.073	12.062	MWD+IFR1+MS
2900.000	36.000	87.097	2783.881	13.399	0.000	11.814	0.000	5.603	0.000	0.000	13.997	11.615	13.149	MWD+IFR1+MS
3000.000	38.000	87.097	2863.740	13.768	0.000	12.402	0.000	5.956	0.000	0.000	14.413	12.184	14.563	MWD+IFR1+MS

3100.000	40.000	87.097	2941.451	14.131	0.000	13.022	0.000	6.331	0.000	0.000	14.826	12.781	16.470	MWD+IFR1+MS
3200.000	42.000	87.097	3016.918	14.489	0.000	13.676	0.000	6.730	0.000	0.000	15.239	13.402	19.137	MWD+IFR1+MS
3300.000	44.000	87.097	3090.050	14.843	0.000	14.366	0.000	7.152	0.000	0.000	15.659	14.043	23.007	MWD+IFR1+MS
3400.000	46.000	87.097	3160.757	15.193	0.000	15.093	0.000	7.597	0.000	0.000	16.099	14.692	28.767	MWD+IFR1+MS
3500.165	48.003	87.097	3229.063	15.540	0.000	15.859	0.000	8.067	0.000	0.000	16.584	15.325	37.166	MWD+IFR1+MS
3600.000	48.003	87.097	3295.862	16.021	0.000	16.651	0.000	8.444	0.000	0.000	17.118	15.884	48.608	MWD+IFR1+MS
3700.000	48.003	87.097	3362.771	16.459	0.000	17.461	0.000	8.781	0.000	0.000	17.747	16.345	59.764	MWD+IFR1+MS
3800.000	48.003	87.097	3429.679	16.909	0.000	18.287	0.000	9.130	0.000	0.000	18.470	16.735	67.702	MWD+IFR1+MS
3900.000	48.003	87.097	3496.588	17.370	0.000	19.125	0.000	9.491	0.000	0.000	19.249	17.088	72.856	MWD+IFR1+MS
4000.000	48.003	87.097	3563.497	17.843	0.000	19.975	0.000	9.862	0.000	0.000	20.063	17.422	76.247	MWD+IFR1+MS
4100.000	48.003	87.097	3630.406	18.325	0.000	20.835	0.000	10.241	0.000	0.000	20.899	17.750	78.575	MWD+IFR1+MS
4200.000	48.003	87.097	3697.315	18.816	0.000	21.704	0.000	10.628	0.000	0.000	21.752	18.075	80.244	MWD+IFR1+MS
4300.000	48.003	87.097	3764.223	19.315	0.000	22.581	0.000	11.023	0.000	0.000	22.617	18.401	81.486	MWD+IFR1+MS
4400.000	48.003	87.097	3831.132	19.822	0.000	23.464	0.000	11.424	0.000	0.000	23.492	18.728	82.440	MWD+IFR1+MS
4500.000	48.003	87.097	3898.041	20.336	0.000	24.354	0.000	11.831	0.000	0.000	24.376	19.057	83.191	MWD+IFR1+MS
4600.000	48.003	87.097	3964.950	20.857	0.000	25.249	0.000	12.243	0.000	0.000	25.266	19.390	83.795	MWD+IFR1+MS
4700.000	48.003	87.097	4031.859	21.384	0.000	26.149	0.000	12.659	0.000	0.000	26.163	19.725	84.290	MWD+IFR1+MS
4800.000	48.003	87.097	4098.767	21.916	0.000	27.054	0.000	13.080	0.000	0.000	27.065	20.064	84.701	MWD+IFR1+MS
4900.000	48.003	87.097	4165.676	22.454	0.000	27.963	0.000	13.505	0.000	0.000	27.971	20.405	85.048	MWD+IFR1+MS
5000.000	48.003	87.097	4232.585	22.997	0.000	28.875	0.000	13.934	0.000	0.000	28.882	20.750	85.343	MWD+IFR1+MS
5100.000	48.003	87.097	4299.494	23.544	0.000	29.791	0.000	14.365	0.000	0.000	29.796	21.098	85.596	MWD+IFR1+MS
5200.000	48.003	87.097	4366.402	24.096	0.000	30.709	0.000	14.800	0.000	0.000	30.713	21.448	85.816	MWD+IFR1+MS
5300.000	48.003	87.097	4433.311	24.651	0.000	31.631	0.000	15.237	0.000	0.000	31.634	21.802	86.008	MWD+IFR1+MS
5400.000	48.003	87.097	4500.220	25.211	0.000	32.555	0.000	15.677	0.000	0.000	32.557	22.158	86.177	MWD+IFR1+MS
5505.691	48.003	87.097	4570.937	25.806	0.000	33.535	0.000	16.145	0.000	0.000	33.536	22.538	86.332	MWD+IFR1+MS
5600.000	46.117	87.097	4635.180	26.546	0.000	34.395	0.000	16.581	0.000	0.000	34.397	22.896	86.431	MWD+IFR1+MS
5700.000	44.117	87.097	4705.742	27.352	0.000	35.278	0.000	17.072	0.000	0.000	35.279	23.319	86.491	MWD+IFR1+MS
5800.000	42.117	87.097	4778.734	28.119	0.000	36.128	0.000	17.539	0.000	0.000	36.129	23.756	86.539	MWD+IFR1+MS
5900.000	40.117	87.097	4854.067	28.840	0.000	36.944	0.000	17.978	0.000	0.000	36.945	24.204	86.579	MWD+IFR1+MS
6000.000	38.117	87.097	4931.649	29.514	0.000	37.725	0.000	18.389	0.000	0.000	37.725	24.659	86.614	MWD+IFR1+MS
6100.000	36.117	87.097	5011.385	30.141	0.000	38.469	0.000	18.773	0.000	0.000	38.469	25.120	86.643	MWD+IFR1+MS
6200.000	34.117	87.097	5093.179	30.719	0.000	39.176	0.000	19.130	0.000	0.000	39.177	25.586	86.667	MWD+IFR1+MS
6300.000	32.117	87.097	5176.930	31.247	0.000	39.846	0.000	19.460	0.000	0.000	39.847	26.054	86.687	MWD+IFR1+MS

6400.000	30.117	87.097	5262.537	31.726	0.000	40.479	0.000	19.765	0.000	0.000	40.479	26.524	86.702	MWD+IFR1+MS
6500.000	28.117	87.097	5349.895	32.153	0.000	41.075	0.000	20.045	0.000	0.000	41.075	26.992	86.713	MWD+IFR1+MS
6600.000	26.117	87.097	5438.899	32.529	0.000	41.634	0.000	20.302	0.000	0.000	41.635	27.458	86.720	MWD+IFR1+MS
6700.000	24.117	87.097	5529.438	32.853	0.000	42.158	0.000	20.536	0.000	0.000	42.158	27.920	86.723	MWD+IFR1+MS
6800.000	22.117	87.097	5621.404	33.124	0.000	42.646	0.000	20.748	0.000	0.000	42.647	28.376	86.722	MWD+IFR1+MS
6900.000	20.117	87.097	5714.684	33.344	0.000	43.100	0.000	20.939	0.000	0.000	43.101	28.825	86.717	MWD+IFR1+MS
7000.000	18.117	87.097	5809.164	33.510	0.000	43.522	0.000	21.112	0.000	0.000	43.522	29.266	86.707	MWD+IFR1+MS
7100.000	16.117	87.097	5904.730	33.624	0.000	43.911	0.000	21.266	0.000	0.000	43.912	29.697	86.693	MWD+IFR1+MS
7200.000	14.117	87.097	6001.264	33.686	0.000	44.271	0.000	21.404	0.000	0.000	44.271	30.117	86.675	MWD+IFR1+MS
7300.000	12.117	87.097	6098.650	33.696	0.000	44.602	0.000	21.527	0.000	0.000	44.603	30.524	86.653	MWD+IFR1+MS
7400.000	10.117	87.097	6196.769	33.654	0.000	44.906	0.000	21.637	0.000	0.000	44.907	30.918	86.626	MWD+IFR1+MS
7500.000	8.117	87.097	6295.500	33.561	0.000	45.185	0.000	21.734	0.000	0.000	45.186	31.299	86.595	MWD+IFR1+MS
7600.000	6.117	87.097	6394.725	33.419	0.000	45.441	0.000	21.822	0.000	0.000	45.442	31.664	86.559	MWD+IFR1+MS
7700.000	4.117	87.097	6494.321	33.228	0.000	45.675	0.000	21.901	0.000	0.000	45.676	32.014	86.519	MWD+IFR1+MS
7800.000	2.117	87.097	6594.168	32.988	0.000	45.890	0.000	21.972	0.000	0.000	45.891	32.347	86.474	MWD+IFR1+MS
7905.856	0.000	0.000	6700.000	46.067	0.000	32.691	0.000	22.043	0.000	0.000	46.108	32.633	86.576	MWD+IFR1+MS
8000.000	0.000	0.000	6794.144	46.269	0.000	32.902	0.000	22.104	0.000	0.000	46.308	32.846	86.625	MWD+IFR1+MS
8100.000	0.000	0.000	6894.144	46.464	0.000	33.129	0.000	22.172	0.000	0.000	46.504	33.073	86.644	MWD+IFR1+MS
8200.000	0.000	0.000	6994.144	46.663	0.000	33.358	0.000	22.241	0.000	0.000	46.701	33.304	86.664	MWD+IFR1+MS
8300.000	0.000	0.000	7094.144	46.862	0.000	33.590	0.000	22.313	0.000	0.000	46.901	33.536	86.683	MWD+IFR1+MS
8400.000	0.000	0.000	7194.144	47.064	0.000	33.824	0.000	22.388	0.000	0.000	47.102	33.771	86.703	MWD+IFR1+MS
8500.000	0.000	0.000	7294.144	47.268	0.000	34.060	0.000	22.465	0.000	0.000	47.305	34.008	86.722	MWD+IFR1+MS
8600.000	0.000	0.000	7394.144	47.473	0.000	34.298	0.000	22.544	0.000	0.000	47.510	34.247	86.742	MWD+IFR1+MS
8700.000	0.000	0.000	7494.144	47.681	0.000	34.538	0.000	22.626	0.000	0.000	47.717	34.488	86.761	MWD+IFR1+MS
8800.000	0.000	0.000	7594.144	47.890	0.000	34.780	0.000	22.710	0.000	0.000	47.926	34.731	86.780	MWD+IFR1+MS
8900.000	0.000	0.000	7694.144	48.101	0.000	35.024	0.000	22.797	0.000	0.000	48.136	34.976	86.799	MWD+IFR1+MS
9000.000	0.000	0.000	7794.144	48.313	0.000	35.271	0.000	22.887	0.000	0.000	48.348	35.223	86.818	MWD+IFR1+MS
9100.000	0.000	0.000	7894.144	48.528	0.000	35.519	0.000	22.980	0.000	0.000	48.562	35.471	86.836	MWD+IFR1+MS
9200.000	0.000	0.000	7994.144	48.744	0.000	35.769	0.000	23.075	0.000	0.000	48.778	35.722	86.855	MWD+IFR1+MS
9300.000	0.000	0.000	8094.144	48.961	0.000	36.020	0.000	23.173	0.000	0.000	48.995	35.975	86.873	MWD+IFR1+MS
9400.000	0.000	0.000	8194.144	49.181	0.000	36.274	0.000	23.274	0.000	0.000	49.214	36.229	86.892	MWD+IFR1+MS
9500.000	0.000	0.000	8294.144	49.402	0.000	36.529	0.000	23.378	0.000	0.000	49.434	36.485	86.910	MWD+IFR1+MS
9600.000	0.000	0.000	8394.144	49.624	0.000	36.786	0.000	23.485	0.000	0.000	49.657	36.743	86.928	MWD+IFR1+MS

9700.000	0.000	0.000	8494.144	49.849	0.000	37.045	0.000	23.595	0.000	0.000	49.880	37.002	86.946	MWD+IFR1+MS
9800.000	0.000	0.000	8594.144	50.074	0.000	37.306	0.000	23.708	0.000	0.000	50.106	37.263	86.964	MWD+IFR1+MS
9900.000	0.000	0.000	8694.144	50.301	0.000	37.568	0.000	23.824	0.000	0.000	50.332	37.526	86.982	MWD+IFR1+MS
10000.000	0.000	0.000	8794.144	50.530	0.000	37.831	0.000	23.943	0.000	0.000	50.561	37.790	87.000	MWD+IFR1+MS
10100.000	0.000	0.000	8894.144	50.761	0.000	38.096	0.000	24.066	0.000	0.000	50.791	38.056	87.018	MWD+IFR1+MS
10200.000	0.000	0.000	8994.144	50.992	0.000	38.363	0.000	24.192	0.000	0.000	51.022	38.323	87.035	MWD+IFR1+MS
10300.000	0.000	0.000	9094.144	51.226	0.000	38.631	0.000	24.321	0.000	0.000	51.255	38.592	87.053	MWD+IFR1+MS
10400.000	0.000	0.000	9194.144	51.460	0.000	38.901	0.000	24.453	0.000	0.000	51.489	38.863	87.070	MWD+IFR1+MS
10500.000	0.000	0.000	9294.144	51.696	0.000	39.172	0.000	24.589	0.000	0.000	51.725	39.134	87.087	MWD+IFR1+MS
10600.000	0.000	0.000	9394.144	51.934	0.000	39.444	0.000	24.728	0.000	0.000	51.962	39.407	87.105	MWD+IFR1+MS
10700.000	0.000	0.000	9494.144	52.173	0.000	39.718	0.000	24.871	0.000	0.000	52.200	39.682	87.122	MWD+IFR1+MS
10800.000	0.000	0.000	9594.144	52.413	0.000	39.993	0.000	25.017	0.000	0.000	52.440	39.957	87.139	MWD+IFR1+MS
10900.000	0.000	0.000	9694.144	52.654	0.000	40.270	0.000	25.166	0.000	0.000	52.682	40.234	87.156	MWD+IFR1+MS
11000.000	0.000	0.000	9794.144	52.897	0.000	40.547	0.000	25.319	0.000	0.000	52.924	40.513	87.173	MWD+IFR1+MS
11100.000	0.000	0.000	9894.144	53.142	0.000	40.826	0.000	25.476	0.000	0.000	53.168	40.792	87.189	MWD+IFR1+MS
11200.000	0.000	0.000	9994.144	53.387	0.000	41.107	0.000	25.636	0.000	0.000	53.413	41.073	87.206	MWD+IFR1+MS
11300.000	0.000	0.000	10094.144	53.634	0.000	41.388	0.000	25.800	0.000	0.000	53.659	41.355	87.223	MWD+IFR1+MS
11400.000	0.000	0.000	10194.144	53.882	0.000	41.671	0.000	25.967	0.000	0.000	53.907	41.638	87.239	MWD+IFR1+MS
11500.000	0.000	0.000	10294.144	54.131	0.000	41.954	0.000	26.138	0.000	0.000	54.156	41.922	87.255	MWD+IFR1+MS
11600.000	0.000	0.000	10394.144	54.382	0.000	42.239	0.000	26.313	0.000	0.000	54.406	42.208	87.272	MWD+IFR1+MS
11700.000	0.000	0.000	10494.144	54.633	0.000	42.525	0.000	26.492	0.000	0.000	54.658	42.494	87.288	MWD+IFR1+MS
11800.000	0.000	0.000	10594.144	54.886	0.000	42.812	0.000	26.674	0.000	0.000	54.910	42.782	87.304	MWD+IFR1+MS
11900.000	0.000	0.000	10694.144	55.140	0.000	43.101	0.000	26.860	0.000	0.000	55.164	43.071	87.320	MWD+IFR1+MS
12000.000	0.000	0.000	10794.144	55.395	0.000	43.390	0.000	27.050	0.000	0.000	55.419	43.360	87.336	MWD+IFR1+MS
12100.000	0.000	0.000	10894.144	55.652	0.000	43.680	0.000	27.243	0.000	0.000	55.675	43.651	87.352	MWD+IFR1+MS
12200.000	0.000	0.000	10994.144	55.909	0.000	43.971	0.000	27.441	0.000	0.000	55.932	43.943	87.368	MWD+IFR1+MS
12300.000	0.000	0.000	11094.144	56.168	0.000	44.264	0.000	27.642	0.000	0.000	56.190	44.235	87.383	MWD+IFR1+MS
12400.000	0.000	0.000	11194.144	56.427	0.000	44.557	0.000	27.848	0.000	0.000	56.449	44.529	87.399	MWD+IFR1+MS
12500.000	0.000	0.000	11294.144	56.688	0.000	44.851	0.000	28.057	0.000	0.000	56.710	44.824	87.415	MWD+IFR1+MS
12539.659	0.000	0.000	11333.803	56.791	0.000	44.967	0.000	28.141	0.000	0.000	56.813	44.939	87.415	MWD+IFR1+MS
12600.000	4.827	179.961	11394.073	56.744	0.000	45.135	-0.000	28.270	0.000	0.000	56.981	45.109	87.423	MWD+IFR1+MS
12700.000	12.827	179.961	11492.808	56.447	0.000	45.402	-0.000	28.522	0.000	0.000	57.667	45.380	87.691	MWD+IFR1+MS
12800.000	20.827	179.961	11588.448	55.650	0.000	45.659	-0.000	28.889	0.000	0.000	58.548	45.642	88.056	MWD+IFR1+MS

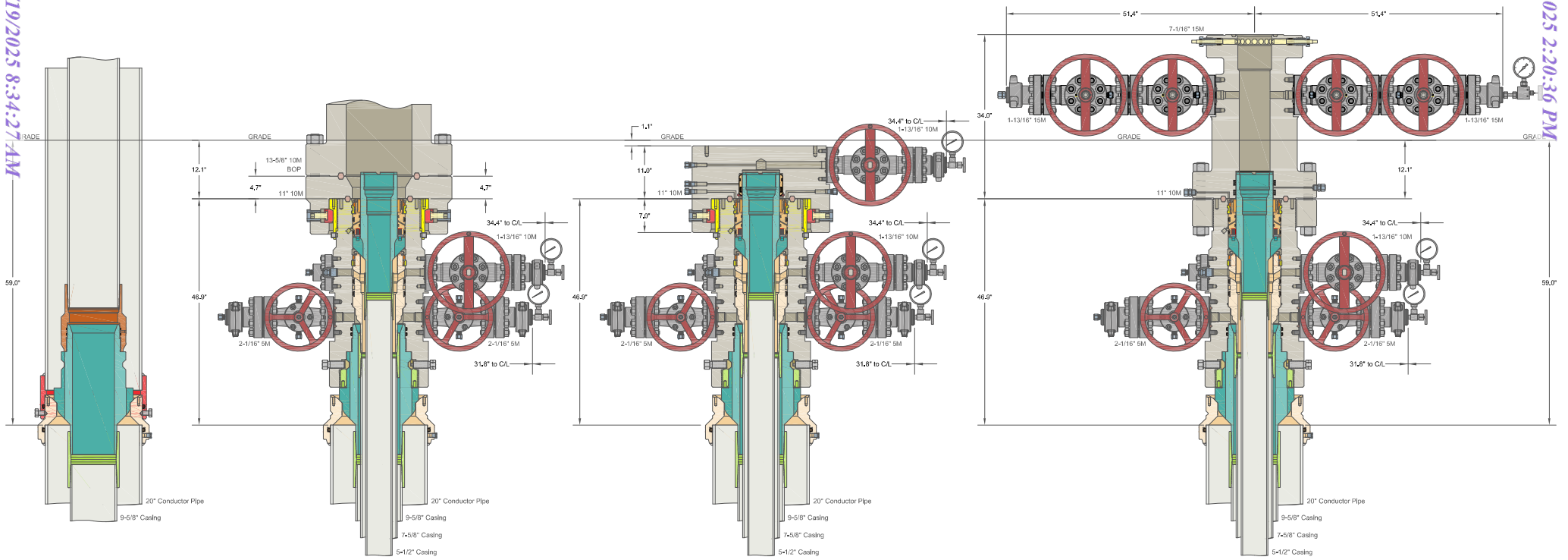
12900.000	28.827	179.961	11679.133	54.160	0.000	45.902	-0.000	29.417	0.000	0.000	59.330	45.890	88.373	MWD+IFR1+MS
13000.000	36.827	179.961	11763.095	52.090	0.000	46.128	-0.000	30.141	0.000	0.000	59.996	46.120	88.661	MWD+IFR1+MS
13100.000	44.827	179.961	11838.702	49.590	0.000	46.338	-0.000	31.074	0.000	0.000	60.534	46.333	88.942	MWD+IFR1+MS
13200.000	52.827	179.961	11904.482	46.858	0.000	46.529	-0.000	32.209	0.000	0.000	60.943	46.527	89.236	MWD+IFR1+MS
13300.000	60.827	179.961	11959.154	44.139	0.000	46.702	-0.000	33.518	0.000	0.000	61.229	46.701	89.560	MWD+IFR1+MS
13400.000	68.827	179.961	12001.654	41.723	0.000	46.856	-0.000	34.961	0.000	0.000	61.408	46.856	89.933	MWD+IFR1+MS
13500.000	76.827	179.961	12031.155	39.927	0.000	46.990	-0.000	36.488	0.000	0.000	61.502	46.990	90.367	MWD+IFR1+MS
13600.000	84.827	179.961	12047.083	39.039	0.000	47.104	-0.000	38.045	0.000	0.000	61.538	47.100	90.869	MWD+IFR1+MS
13664.659	90.000	179.961	12050.000	38.638	0.000	47.163	-0.000	38.638	0.000	0.000	61.547	47.155	91.225	MWD+IFR1+MS
13700.000	90.000	179.961	12050.000	38.803	0.000	47.193	-0.000	38.803	0.000	0.000	61.551	47.182	91.429	MWD+IFR1+MS
13800.000	90.000	179.961	12050.000	39.237	0.000	47.293	-0.000	39.237	0.000	0.000	61.563	47.272	92.011	MWD+IFR1+MS
13900.000	90.000	179.961	12050.000	39.683	0.000	47.412	-0.000	39.683	0.000	0.000	61.579	47.377	92.600	MWD+IFR1+MS
14000.000	90.000	179.961	12050.000	40.140	0.000	47.547	-0.000	40.140	0.000	0.000	61.598	47.495	93.198	MWD+IFR1+MS
14100.000	90.000	179.961	12050.000	40.607	0.000	47.697	-0.000	40.607	0.000	0.000	61.620	47.625	93.807	MWD+IFR1+MS
14200.000	90.000	179.961	12050.000	41.084	0.000	47.863	-0.000	41.084	0.000	0.000	61.646	47.767	94.427	MWD+IFR1+MS
14300.000	90.000	179.961	12050.000	41.570	0.000	48.045	-0.000	41.570	0.000	0.000	61.675	47.921	95.061	MWD+IFR1+MS
14400.000	90.000	179.961	12050.000	42.065	0.000	48.242	-0.000	42.065	0.000	0.000	61.708	48.086	95.709	MWD+IFR1+MS
14500.000	90.000	179.961	12050.000	42.568	0.000	48.454	-0.000	42.568	0.000	0.000	61.745	48.263	96.374	MWD+IFR1+MS
14600.000	90.000	179.961	12050.000	43.081	0.000	48.682	-0.000	43.081	0.000	0.000	61.785	48.451	97.057	MWD+IFR1+MS
14700.000	90.000	179.961	12050.000	43.601	0.000	48.924	-0.000	43.601	0.000	0.000	61.830	48.649	97.759	MWD+IFR1+MS
14800.000	90.000	179.961	12050.000	44.129	0.000	49.181	-0.000	44.129	0.000	0.000	61.879	48.858	98.483	MWD+IFR1+MS
14900.000	90.000	179.961	12050.000	44.665	0.000	49.452	-0.000	44.665	0.000	0.000	61.933	49.076	99.231	MWD+IFR1+MS
15000.000	90.000	179.961	12050.000	45.207	0.000	49.737	-0.000	45.207	0.000	0.000	61.991	49.303	100.004	MWD+IFR1+MS
15100.000	90.000	179.961	12050.000	45.757	0.000	50.036	-0.000	45.757	0.000	0.000	62.054	49.540	100.805	MWD+IFR1+MS
15200.000	90.000	179.961	12050.000	46.314	0.000	50.349	-0.000	46.314	0.000	0.000	62.123	49.784	101.635	MWD+IFR1+MS
15300.000	90.000	179.961	12050.000	46.877	0.000	50.675	-0.000	46.877	0.000	0.000	62.198	50.036	102.497	MWD+IFR1+MS
15400.000	90.000	179.961	12050.000	47.447	0.000	51.014	-0.000	47.447	0.000	0.000	62.278	50.296	103.393	MWD+IFR1+MS
15500.000	90.000	179.961	12050.000	48.022	0.000	51.366	-0.000	48.022	0.000	0.000	62.366	50.562	104.325	MWD+IFR1+MS
15600.000	90.000	179.961	12050.000	48.604	0.000	51.731	-0.000	48.604	0.000	0.000	62.460	50.833	105.295	MWD+IFR1+MS
15700.000	90.000	179.961	12050.000	49.191	0.000	52.108	-0.000	49.191	0.000	0.000	62.562	51.110	106.304	MWD+IFR1+MS
15800.000	90.000	179.961	12050.000	49.783	0.000	52.497	-0.000	49.783	0.000	0.000	62.671	51.390	107.356	MWD+IFR1+MS
15900.000	90.000	179.961	12050.000	50.381	0.000	52.898	-0.000	50.381	0.000	0.000	62.789	51.675	108.451	MWD+IFR1+MS
16000.000	90.000	179.961	12050.000	50.984	0.000	53.311	-0.000	50.984	0.000	0.000	62.917	51.962	109.591	MWD+IFR1+MS

16100.000	90.000	179.961	12050.000	51.592	0.000	53.735	-0.000	51.592	0.000	0.000	63.054	52.250	110.778	MWD+IFR1+MS
16200.000	90.000	179.961	12050.000	52.204	0.000	54.169	-0.000	52.204	0.000	0.000	63.201	52.540	112.011	MWD+IFR1+MS
16300.000	90.000	179.961	12050.000	52.821	0.000	54.615	-0.000	52.821	0.000	0.000	63.360	52.829	113.290	MWD+IFR1+MS
16400.000	90.000	179.961	12050.000	53.443	0.000	55.071	-0.000	53.443	0.000	0.000	63.531	53.117	114.616	MWD+IFR1+MS
16500.000	90.000	179.961	12050.000	54.069	0.000	55.537	-0.000	54.069	0.000	0.000	63.714	53.403	115.985	MWD+IFR1+MS
16600.000	90.000	179.961	12050.000	54.698	0.000	56.013	-0.000	54.698	0.000	0.000	63.910	53.687	117.398	MWD+IFR1+MS
16700.000	90.000	179.961	12050.000	55.332	0.000	56.499	-0.000	55.332	0.000	0.000	64.121	53.966	118.849	MWD+IFR1+MS
16800.000	90.000	179.961	12050.000	55.970	0.000	56.995	-0.000	55.970	0.000	0.000	64.346	54.240	120.335	MWD+IFR1+MS
16900.000	90.000	179.961	12050.000	56.611	0.000	57.499	-0.000	56.611	0.000	0.000	64.587	54.509	121.850	MWD+IFR1+MS
17000.000	90.000	179.961	12050.000	57.256	0.000	58.013	-0.000	57.256	0.000	0.000	64.844	54.771	123.390	MWD+IFR1+MS
17100.000	90.000	179.961	12050.000	57.904	0.000	58.535	-0.000	57.904	0.000	0.000	65.117	55.025	124.946	MWD+IFR1+MS
17200.000	90.000	179.961	12050.000	58.556	0.000	59.066	-0.000	58.556	0.000	0.000	65.407	55.272	126.513	MWD+IFR1+MS
17300.000	90.000	179.961	12050.000	59.211	0.000	59.605	-0.000	59.211	0.000	0.000	65.714	55.511	128.081	MWD+IFR1+MS
17400.000	90.000	179.961	12050.000	59.869	0.000	60.153	-0.000	59.869	0.000	0.000	66.039	55.741	129.644	MWD+IFR1+MS
17500.000	90.000	179.961	12050.000	60.530	0.000	60.708	-0.000	60.530	0.000	0.000	66.380	55.961	131.193	MWD+IFR1+MS
17600.000	90.000	179.961	12050.000	61.194	0.000	61.270	-0.000	61.194	0.000	0.000	66.740	56.173	132.722	MWD+IFR1+MS
17700.000	90.000	179.961	12050.000	61.860	0.000	61.841	-0.000	61.860	0.000	0.000	67.116	56.375	134.223	MWD+IFR1+MS
17800.000	90.000	179.961	12050.000	62.530	0.000	62.418	-0.000	62.530	0.000	0.000	67.509	56.568	-44.310	MWD+IFR1+MS
17900.000	90.000	179.961	12050.000	63.202	0.000	63.002	-0.000	63.202	0.000	0.000	67.919	56.752	-42.881	MWD+IFR1+MS
18000.000	90.000	179.961	12050.000	63.877	0.000	63.594	-0.000	63.877	0.000	0.000	68.345	56.927	-41.495	MWD+IFR1+MS
18100.000	90.000	179.961	12050.000	64.554	0.000	64.192	-0.000	64.554	0.000	0.000	68.787	57.094	-40.155	MWD+IFR1+MS
18200.000	90.000	179.961	12050.000	65.234	0.000	64.796	-0.000	65.234	0.000	0.000	69.244	57.253	-38.864	MWD+IFR1+MS
18300.000	90.000	179.961	12050.000	65.916	0.000	65.406	-0.000	65.916	0.000	0.000	69.715	57.404	-37.624	MWD+IFR1+MS
18400.000	90.000	179.961	12050.000	66.600	0.000	66.023	-0.000	66.600	0.000	0.000	70.201	57.548	-36.434	MWD+IFR1+MS
18500.000	90.000	179.961	12050.000	67.286	0.000	66.646	-0.000	67.286	0.000	0.000	70.699	57.684	-35.295	MWD+IFR1+MS
18600.000	90.000	179.961	12050.000	67.975	0.000	67.274	-0.000	67.975	0.000	0.000	71.211	57.815	-34.206	MWD+IFR1+MS
18700.000	90.000	179.961	12050.000	68.666	0.000	67.908	-0.000	68.666	0.000	0.000	71.735	57.939	-33.167	MWD+IFR1+MS
18800.000	90.000	179.961	12050.000	69.358	0.000	68.548	-0.000	69.358	0.000	0.000	72.270	58.058	-32.177	MWD+IFR1+MS
18900.000	90.000	179.961	12050.000	70.053	0.000	69.193	-0.000	70.053	0.000	0.000	72.816	58.172	-31.233	MWD+IFR1+MS
19000.000	90.000	179.961	12050.000	70.749	0.000	69.843	-0.000	70.749	0.000	0.000	73.373	58.281	-30.334	MWD+IFR1+MS
19100.000	90.000	179.961	12050.000	71.447	0.000	70.498	-0.000	71.447	0.000	0.000	73.940	58.385	-29.479	MWD+IFR1+MS
19200.000	90.000	179.961	12050.000	72.148	0.000	71.157	-0.000	72.148	0.000	0.000	74.517	58.486	-28.664	MWD+IFR1+MS
19300.000	90.000	179.961	12050.000	72.849	0.000	71.822	-0.000	72.849	0.000	0.000	75.102	58.583	-27.889	MWD+IFR1+MS

19400.000	90.000	179.961	12050.000	73.553	0.000	72.491	-0.000	73.553	0.000	0.000	75.696	58.676	-27.150	MWD+IFR1+MS
19500.000	90.000	179.961	12050.000	74.258	0.000	73.165	-0.000	74.258	0.000	0.000	76.299	58.766	-26.447	MWD+IFR1+MS
19600.000	90.000	179.961	12050.000	74.965	0.000	73.843	-0.000	74.965	0.000	0.000	76.909	58.853	-25.777	MWD+IFR1+MS
19700.000	90.000	179.961	12050.000	75.673	0.000	74.525	-0.000	75.673	0.000	0.000	77.527	58.938	-25.138	MWD+IFR1+MS
19800.000	90.000	179.961	12050.000	76.383	0.000	75.212	-0.000	76.383	0.000	0.000	78.152	59.020	-24.529	MWD+IFR1+MS
19900.000	90.000	179.961	12050.000	77.094	0.000	75.902	-0.000	77.094	0.000	0.000	78.784	59.100	-23.948	MWD+IFR1+MS
20000.000	90.000	179.961	12050.000	77.806	0.000	76.596	-0.000	77.806	0.000	0.000	79.423	59.178	-23.394	MWD+IFR1+MS
20100.000	90.000	179.961	12050.000	78.520	0.000	77.294	-0.000	78.520	0.000	0.000	80.067	59.254	-22.864	MWD+IFR1+MS
20200.000	90.000	179.961	12050.000	79.236	0.000	77.996	-0.000	79.236	0.000	0.000	80.718	59.328	-22.357	MWD+IFR1+MS
20300.000	90.000	179.961	12050.000	79.952	0.000	78.702	-0.000	79.952	0.000	0.000	81.375	59.401	-21.872	MWD+IFR1+MS
20400.000	90.000	179.961	12050.000	80.670	0.000	79.411	-0.000	80.670	0.000	0.000	82.037	59.473	-21.409	MWD+IFR1+MS
20500.000	90.000	179.961	12050.000	81.389	0.000	80.123	-0.000	81.389	0.000	0.000	82.704	59.543	-20.964	MWD+IFR1+MS
20600.000	90.000	179.961	12050.000	82.110	0.000	80.839	-0.000	82.110	0.000	0.000	83.376	59.612	-20.538	MWD+IFR1+MS
20700.000	90.000	179.961	12050.000	82.831	0.000	81.558	-0.000	82.831	0.000	0.000	84.054	59.680	-20.130	MWD+IFR1+MS
20800.000	90.000	179.961	12050.000	83.554	0.000	82.280	-0.000	83.554	0.000	0.000	84.736	59.747	-19.738	MWD+IFR1+MS
20900.000	90.000	179.961	12050.000	84.277	0.000	83.005	-0.000	84.277	0.000	0.000	85.423	59.813	-19.361	MWD+IFR1+MS
21000.000	90.000	179.961	12050.000	85.002	0.000	83.733	-0.000	85.002	0.000	0.000	86.114	59.878	-18.999	MWD+IFR1+MS
21100.000	90.000	179.961	12050.000	85.728	0.000	84.464	-0.000	85.728	0.000	0.000	86.809	59.942	-18.651	MWD+IFR1+MS
21200.160	90.000	179.961	12050.000	86.456	0.000	85.199	-0.000	86.456	0.000	0.000	87.509	60.006	-18.315	MWD+IFR1+MS
21300.000	90.000	179.961	12050.000	87.183	0.000	85.934	-0.000	87.183	0.000	0.000	88.211	60.070	-17.993	MWD+IFR1+MS
21349.992	90.000	179.961	12050.000	87.546	0.000	86.302	-0.000	87.546	0.000	0.000	88.563	60.101	-17.837	MWD+IFR1+MS

Plan Targets Poker Lake Unit 26 BD 204H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 3	13664.64	400710.00	650762.50	8711.00	CIRCLE
LTP 3	21200.16	393174.50	650767.60	8711.00	CIRCLE
BHL 3	21350.43	393024.50	650767.30	8711.00	CIRCLE



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

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

DRAWN	VJK	31MAR22
APPRV		
DRAWING NO.	HBE0000479	

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:** 10/23/2024

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 Produced Water BBL/D	3 yr anticipated decline Water BBL/D
Poker Lake Unit 26 BD 201H		26 T25S R30E	2140 FNL, 794 FWL	1,100	100	4,500	700	4,250	450
Poker Lake Unit 26 BD 202H		26 T25S R30E	2170 FNL, 794 FWL	1,100	100	4,500	700	4,250	450
Poker Lake Unit 26 BD 203H		26 T25S R30E	2200 FNL, 794 FWL	1,100	100	4,500	700	4,250	450
Poker Lake Unit 26 BD 204H		26 T25S R30E	2230 FNL, 794 FWL	1,100	100	4,500	700	4,250	450

IV. Central Delivery Point Name: Poker Lake Unit 26 BD CTB [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
Poker Lake Unit 26 BD 201H	TBD	TBD	TBD	TBD	TBD	TBD
Poker Lake Unit 26 BD 202H	TBD	TBD	TBD	TBD	TBD	TBD
Poker Lake Unit 26 BD 203H	TBD	TBD	TBD	TBD	TBD	TBD
Poker Lake Unit 26 BD 204H	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.

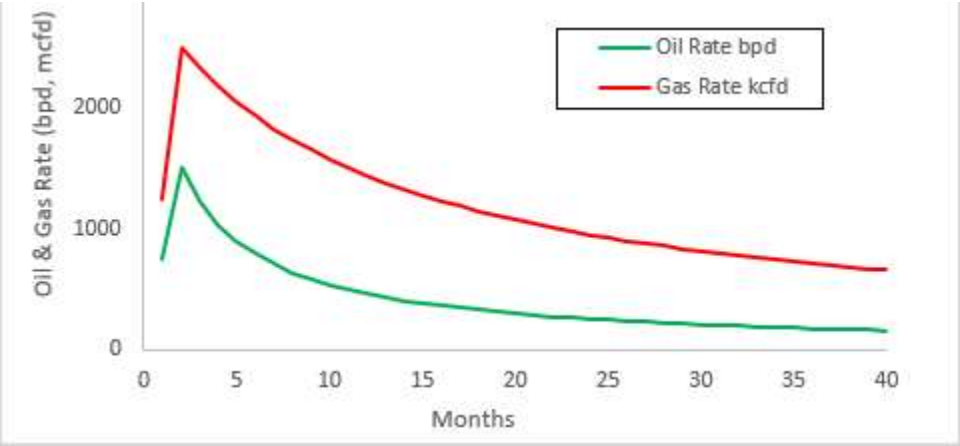
I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Vishal Rajan
Printed Name: Vishal Rajan
Title: Regulatory Analyst
E-mail Address: vishal.rajan@exxonmobil.com
Date:10/23/2024
Phone: +1 346 225 9159

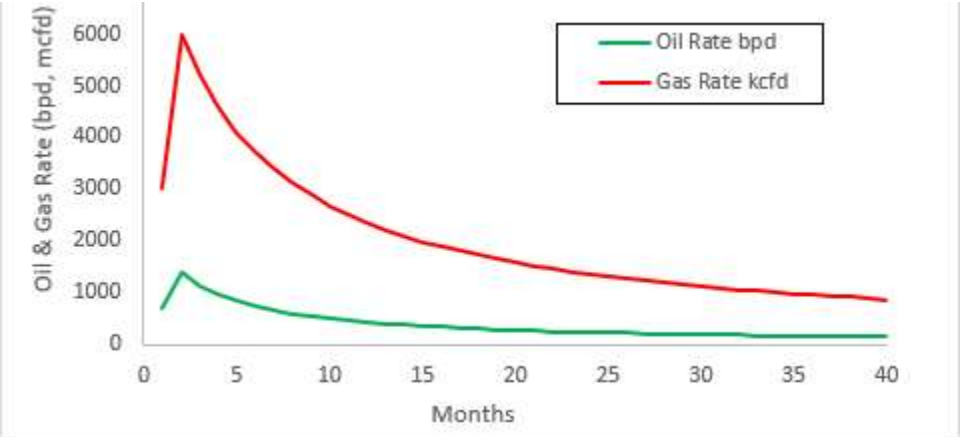
OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Poker Lake 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.

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

XTO Energy Inc.

POKER LAKE UNIT 26 BD - 204H
Projected TD: 21349.99' MD / 12050' TVD
SHL: 2230' FNL & 794' FWL , Section 26, T25S, R30E
BHL: 180' FSL & 1143' FEL , Section 35, T25S, R30E
EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	884'	Water
Top of Salt	1151'	Water
Base of Salt	3782'	Water
Delaware	3997'	Water
Brushy Canyon	6521'	Water/Oil/Gas
Bone Spring	7813'	Water
Avalon	7962'	Water/Oil/Gas
1st Bone Spring	8546'	Water/Oil/Gas
2nd Bone Spring	9085'	Water/Oil/Gas
3rd Bone Spring	9939'	Water/Oil/Gas
Wolfcamp	11163'	Water/Oil/Gas
Wolfcamp X	11191'	Water/Oil/Gas
Wolfcamp Y	11283'	Water/Oil/Gas
Wolfcamp A	11317'	Water/Oil/Gas
Wolfcamp B	11761'	Water/Oil/Gas
Wolfcamp C	11944'	Water/Oil/Gas
Target/Land Curve	12050'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon
*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 984' (167' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 12339.66' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21349.99 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 12039.66 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 984'	9.625	40	J-55	BTC	New	1.07	6.40	16.01
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.83	2.57	1.52
8.75	4000' – 12339.66'	7.625	29.7	HC L-80	Flush Joint	New	1.33	1.54	1.64
6.75	0' – 12239.66'	5.5	20	RY P-110	Semi-Premium / Freedom HTQ	New	1.26	1.40	1.96
6.75	12239.66' - 21349.99'	5.5	20	RY P-110	Semi-Flush / Talon HTQ	New	1.26	1.42	1.96

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

Wellhead:

XTO will use a 3 String Slim Hole Multi-Bowl system which is attached.

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 984'

Lead: 220 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 12339.66'
1st Stage
Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 540 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6521
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 730 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

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 (6521') 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 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: 5.5, 20 New Semi-Flush / Talon, RY P-110 casing to be set at +/- 21349.99'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 12039.66 feet
Tail: 630 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 12539.66 feet
Compressives: 12-hr = 800 psi 24 hr = 1500 psi

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.

5. Pressure Control Equipment

Once the permanent WH is installed on the surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril Annular and a 10M Triple Ram BOP.

All BOP testing will be done by an independent service company. Operator will test as per 43 CFR-3172.

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.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO 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)	Additional Comments
0' - 984'	12.25	FW/Native	8.4-8.9	35-40	NC	Fresh water or native water
984' - 3997'	8.75	Saturated brine	10.0-10.5	30-32	NC	Fully saturated salt across salado / salt
3997' - 12339.66'	8.75	Brine or Direct Emulsion	10-10.5	30-32	NC	Depending on well conditions
12339.66' - 21349.99'	6.75	OBM	12.5-13	50-60	NC - 20	N/A

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

Spud with fresh water/native mud. Drill out from under surface casing with Saturated Salt. A saturated salt brine 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.

7. Auxiliary Well Control and Monitoring Equipment

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

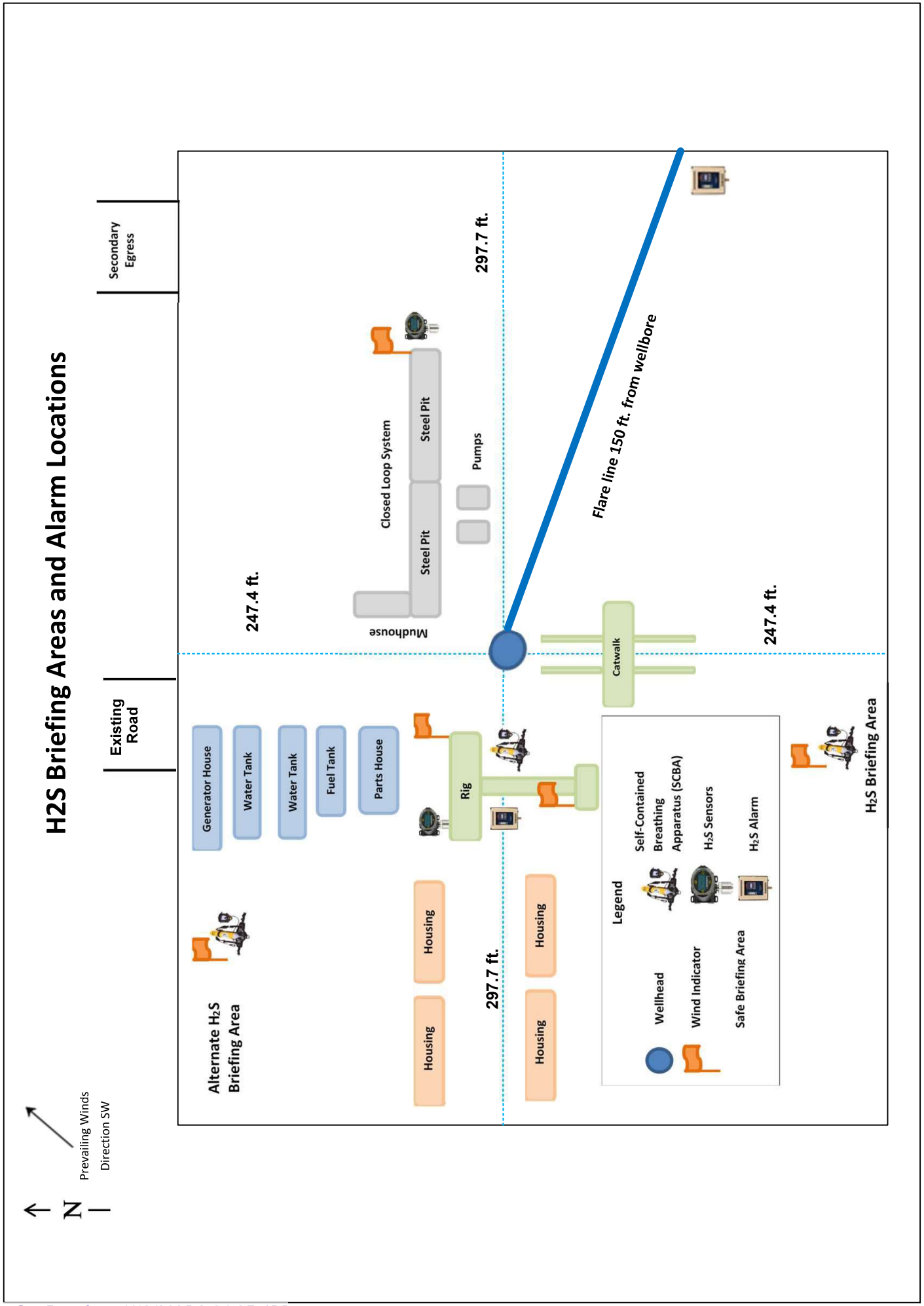
Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 185 to 205 F is anticipated. 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 could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

10. Anticipated Starting Date and Duration of Operations

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


H2S Briefing Areas and Alarm Locations
Existing Road
Secondary Egress
Generator House
Water Tank
Water Tank
Fuel Tank
Parts House
Rig
Housing
Housing
Housing
Housing
Alternate H2S Briefing Area
247.4 ft.
297.7 ft.
297.7 ft.
247.4 ft.
Mudhouse
Closed Loop System
Steel Pit
Steel Pit
Pumps
Flare line 150 ft. from wellbore
Catwalk
H2S Briefing Area
Legend
Wellhead
Wind Indicator
Safe Briefing Area
Self-Contained Breathing Apparatus (SCBA)
H2S Sensors
H2S Alarm
N
Prevailing Winds
Direction SW

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.

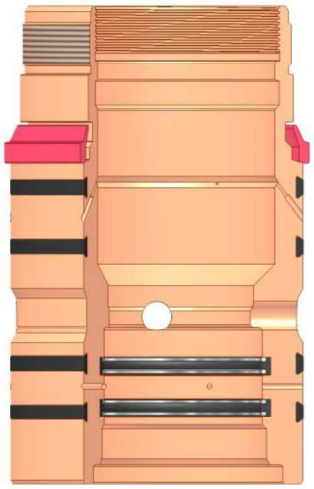
1. Cement Program

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

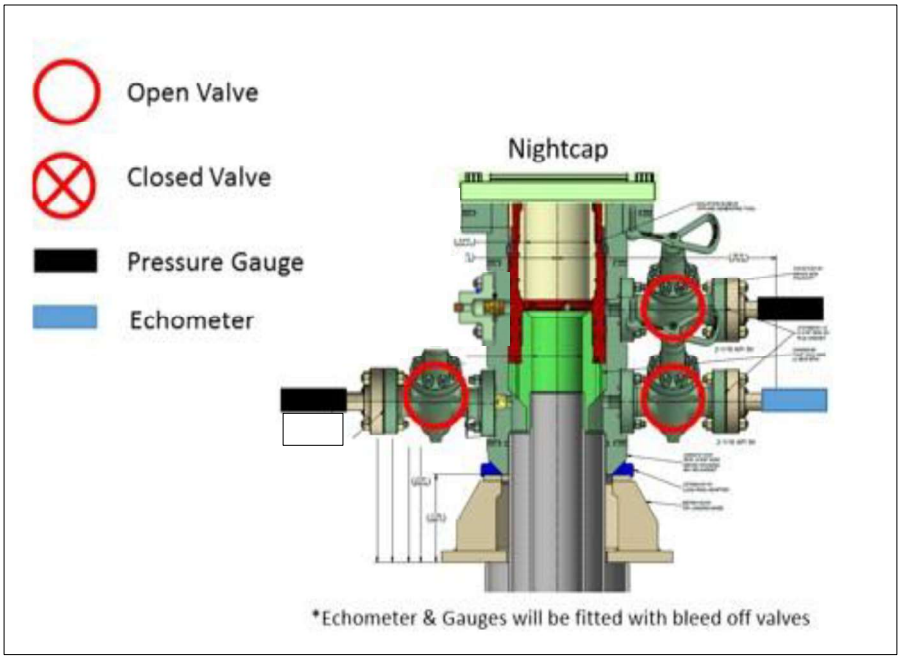
2. Offline Cementing Procedure

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.



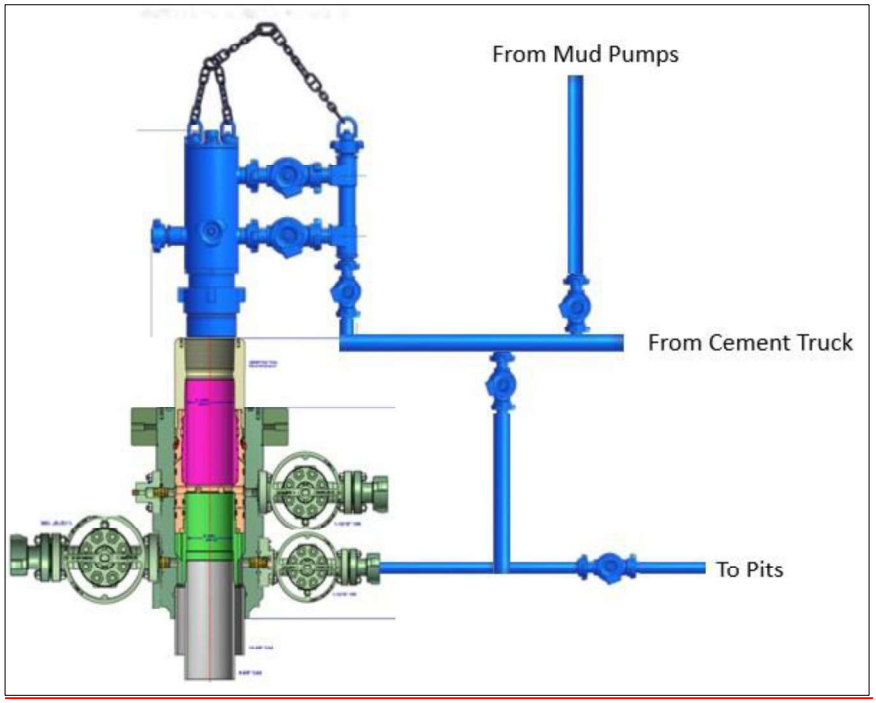
Annular packoff with both external and internal seals



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®

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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. OSMOS

TITLE: QUALITY ASSURANCE

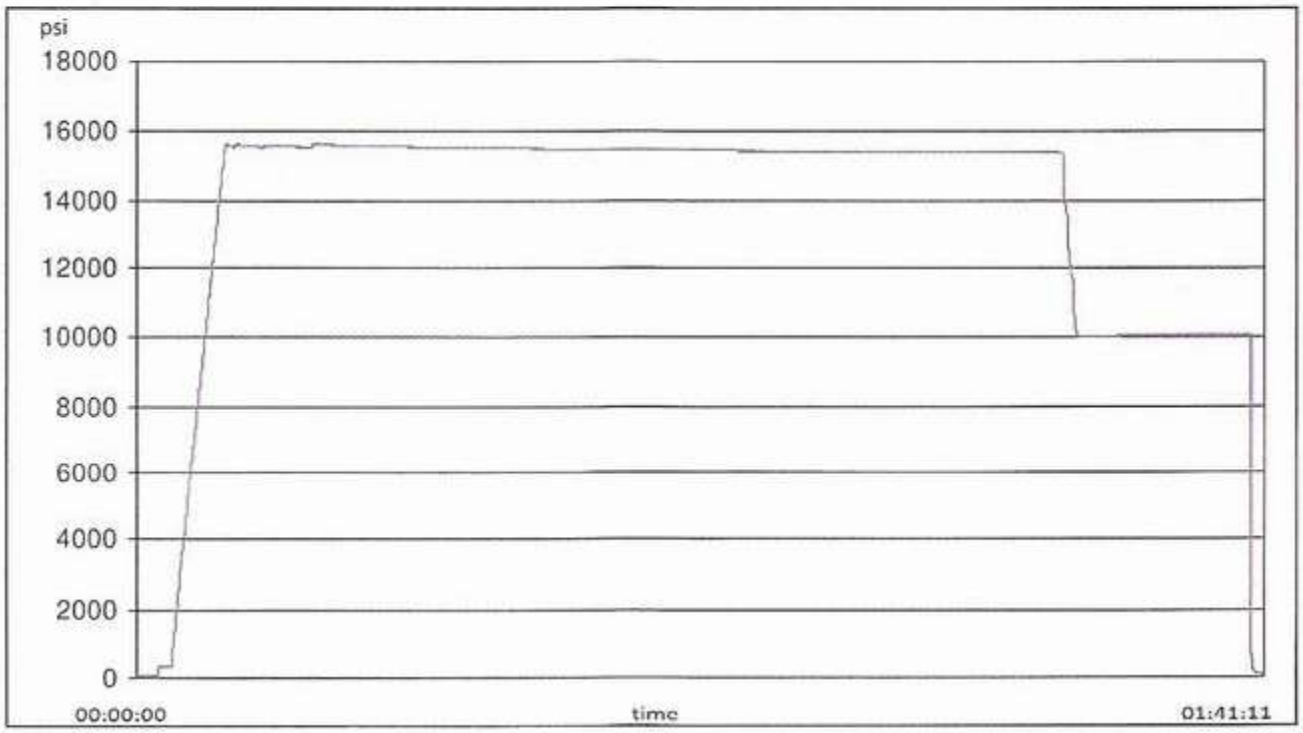
DATE: 1/25/2024

H3-15716

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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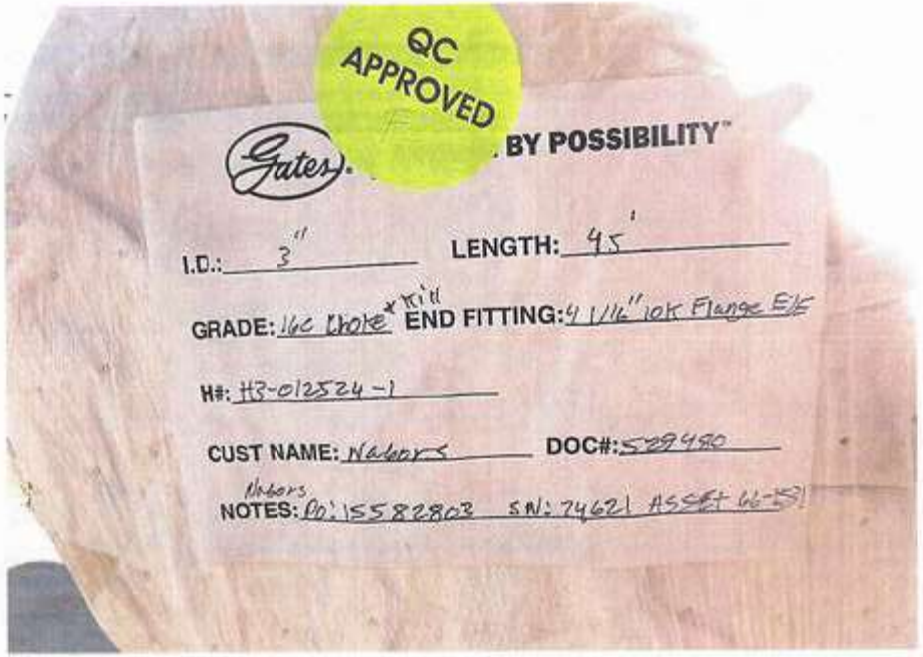
TEST REPORT

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



10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

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

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

VBR = Variable Bore Ram

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

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

AFMSS

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

SUPO Data Report
02/26/2025

APD ID: 10400101672 **Submission Date:** 10/29/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Well Type: CONVENTIONAL GAS 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:

PLU_26_BD_204H_Road_Map_20250129140903.pdf

Existing Road Purpose: ACCESS **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

Attach Well map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

PLU_26_BD_1Mile_20241025120022.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Separate certified plats issued by the registered surveyor. Existing facility pad plat for the central tank battery is attached, as per the 43 CFR requirements have been attached under SUPO section 4.

Production Facilities map:

PLU_26_BD_EXISTING_FACILITY_PAD_WEST_20241029133828.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: RECYCLED

Water source use type: INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 550000 **Source volume (acre-feet):** 70.89120298

Source volume (gal): 23100000

Water source type: OTHER

Describe type: Fresh Water

Water source use type: DUST CONTROL
SURFACE CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 550000 **Source volume (acre-feet):** 70.89120298

Source volume (gal): 23100000

Water source type: OTHER

Describe type: Raw Produced Water

Water source use type: INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 550000 **Source volume (acre-feet):** 70.89120298

Source volume (gal): 23100000

Water source and transportation

PLU_26_BD_204H_Vicinity_Map_20250129140812.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. Water composition depends on the mud type needed per formation to protect useable water. Fresh water is trucked to location for use in surface casing drilling and cementing. All other water is either brackish (32.096949, -103.866319) or raw produced water (32.102064, -103.862423) that is all piped from either a pipeline or a pond to the drilling location. Anticipated water usage for drilling includes an estimated 50,000 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 lines will be permitted via a Temporary Water Line Approved Decision letter and/or any necessary Right of Way Grants as needed based on drilling and completion schedules. Well completion is expected to require approximately 550,000 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: POKER LAKE UNIT 26 BD **Well Number:** 204H

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: NO

Construction Materials description:

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Fluids

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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: 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:

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: 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.

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Safe containmant attachment:

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

Disposal type description:

Disposal location description: A licensed 3rd party contractor will be used to haul and dispose of garbage.

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 or will be recycled. 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?

WCuttings 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: POKER LAKE UNIT 26 BD **Well Number:** 204H

Section 9 - Well Site

Well Site Layout Diagram:

PLU_26_BD_204H_Well_SIte_plan_20250129140726.pdf

PLU_26_BD_204H_RL_20250129140726.pdf

Comments: Multi-Well Pad

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** POKER LAKE UNIT 26 BD

Multiple Well Pad Number: A

Recontouring

POKER_LAKE_UNIT_26_BD_PAD_A_INTERIM_RECLAMATION_20250129140429.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, head cutting, 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 stockpiled 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 stockpiled 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, nave (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-nave 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.
Existing Vegetation at the well pad: Soils are classified as Simona Gravelly Fine Sandy Loam and Simona-Bippus Complex. Simona soils are found on alluvial fans and plans and form in mixed alluvium and/or Aeolian sands. Bippus soils are found on alluvial fans and floodplains and form in mixed alluvium. The Simona-Bippus

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

soils are dominant to the east and the Simona Gravelly Fine Sandy Loams are dominant to the West. Dominant vegetation species include: mesquite, sumac snakeweed, and various forbs and grasses. Ground cover is minimal, offering 90 percent visibility.

Existing Vegetation at the well pad

Existing Vegetation Community at the road: Soils are classified as Simona Gravelly Fine Sandy Loam and Simona-Bippus Complex. Simona soils are found on alluvial fans and plans and form in mixed alluvium and/or Aeolian sands. Bippus soils are found on alluvial fans and floodplains and form in mixed alluvium. The Simona-Bippus soils are dominant to the east and the Simona Gravelly Fine Sandy Loams are dominant to the West. Dominant vegetation species include: mesquite, sumac snakeweed, and various forbs and grasses. Ground cover is minimal, offering 90 percent visibility.

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Soils are classified as Simona Gravelly Fine Sandy Loam and SimonaBippus Complex. Simona soils are found on alluvial fans and plans and form in mixed alluvium and/or Aeolian sands. Bippus soils are found on alluvial fans and floodplains and form in mixed alluvium. The Simona-Bippus soils are dominant to the east and the Simona Gravelly Fine Sandy Loams are dominant to the West. Dominant vegetation species include: mesquite, sumac snakeweed, and various forbs and grasses. Ground cover is minimal, offering 90 percent visibility.

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Soils are classified as Simona Gravelly Fine Sandy Loam and Simona-Bippus Complex. Simona soils are found on alluvial fans and plans and form in mixed alluvium and/or Aeolian sands. Bippus soils are found on alluvial fans and floodplains and form in mixed alluvium. The Simona-Bippus soils are dominant to the east and the Simona Gravelly Fine Sandy Loams are dominant to the West. Dominant vegetation species include: mesquite, sumac snakeweed, and various forbs and grasses. Ground cover is minimal, offering 90 percent visibility.

Existing Vegetation Community at other disturbances

Non native seed used? Y

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

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 le 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 Ownership

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: TRANSMISSION LINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Disturbance type: OTHER

Describe: FLOWLINE

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Section 12 - Other

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

ROW Type(s):

ROW

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 03/15/2018.

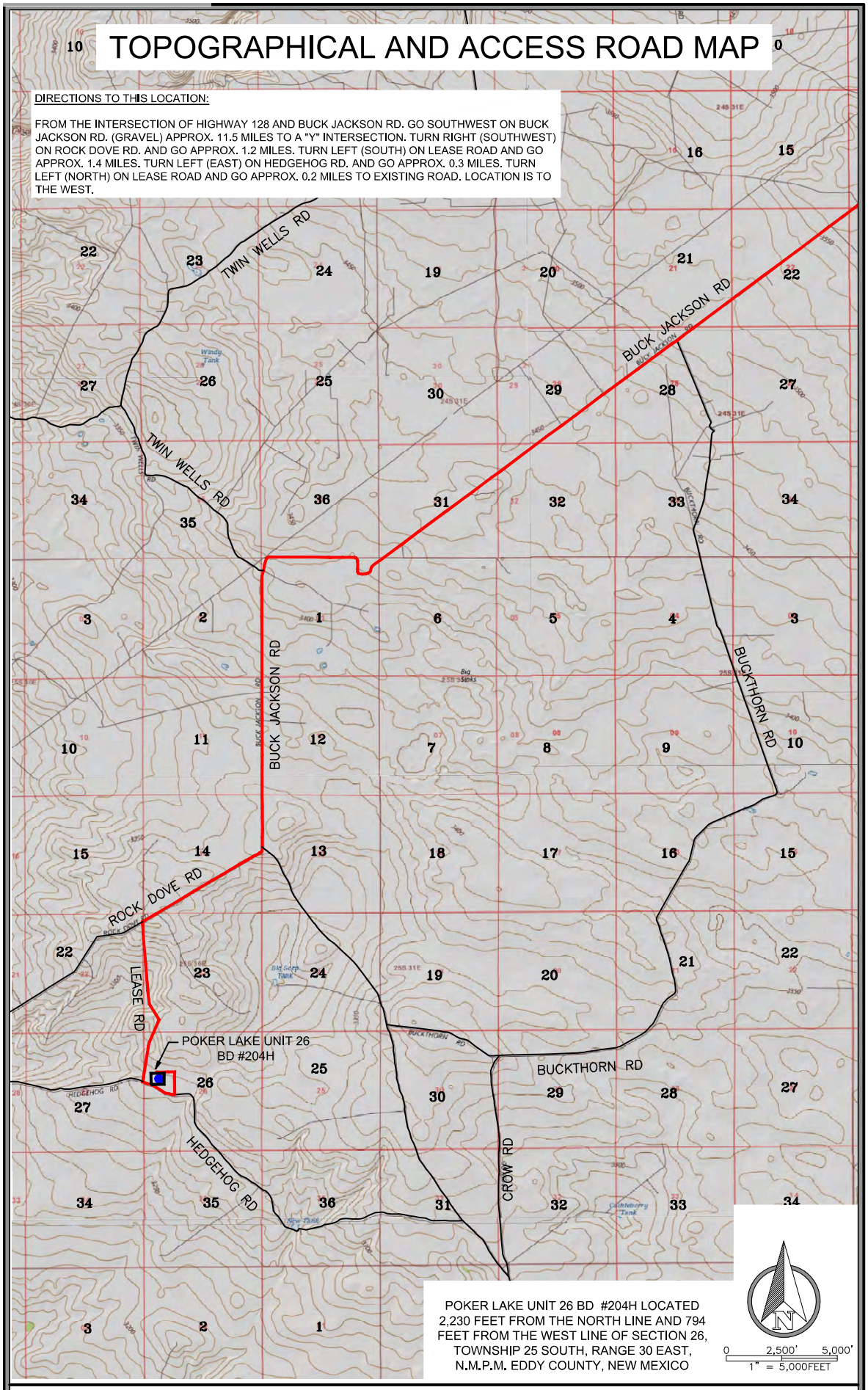
Other SUPO

Poker_lake_unit_26_BD___SUPO_20241025160939.pdf

TOPOGRAPHICAL AND ACCESS ROAD MAP

DIRECTIONS TO THIS LOCATION:

FROM THE INTERSECTION OF HIGHWAY 128 AND BUCK JACKSON RD. GO SOUTHWEST ON BUCK JACKSON RD. (GRAVEL) APPROX. 11.5 MILES TO A "Y" INTERSECTION. TURN RIGHT (SOUTHWEST) ON ROCK DOVE RD. AND GO APPROX. 1.2 MILES. TURN LEFT (SOUTH) ON LEASE ROAD AND GO APPROX. 1.4 MILES. TURN LEFT (EAST) ON HEDGEHOG RD. AND GO APPROX. 0.3 MILES. TURN LEFT (NORTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES TO EXISTING ROAD. LOCATION IS TO THE WEST.



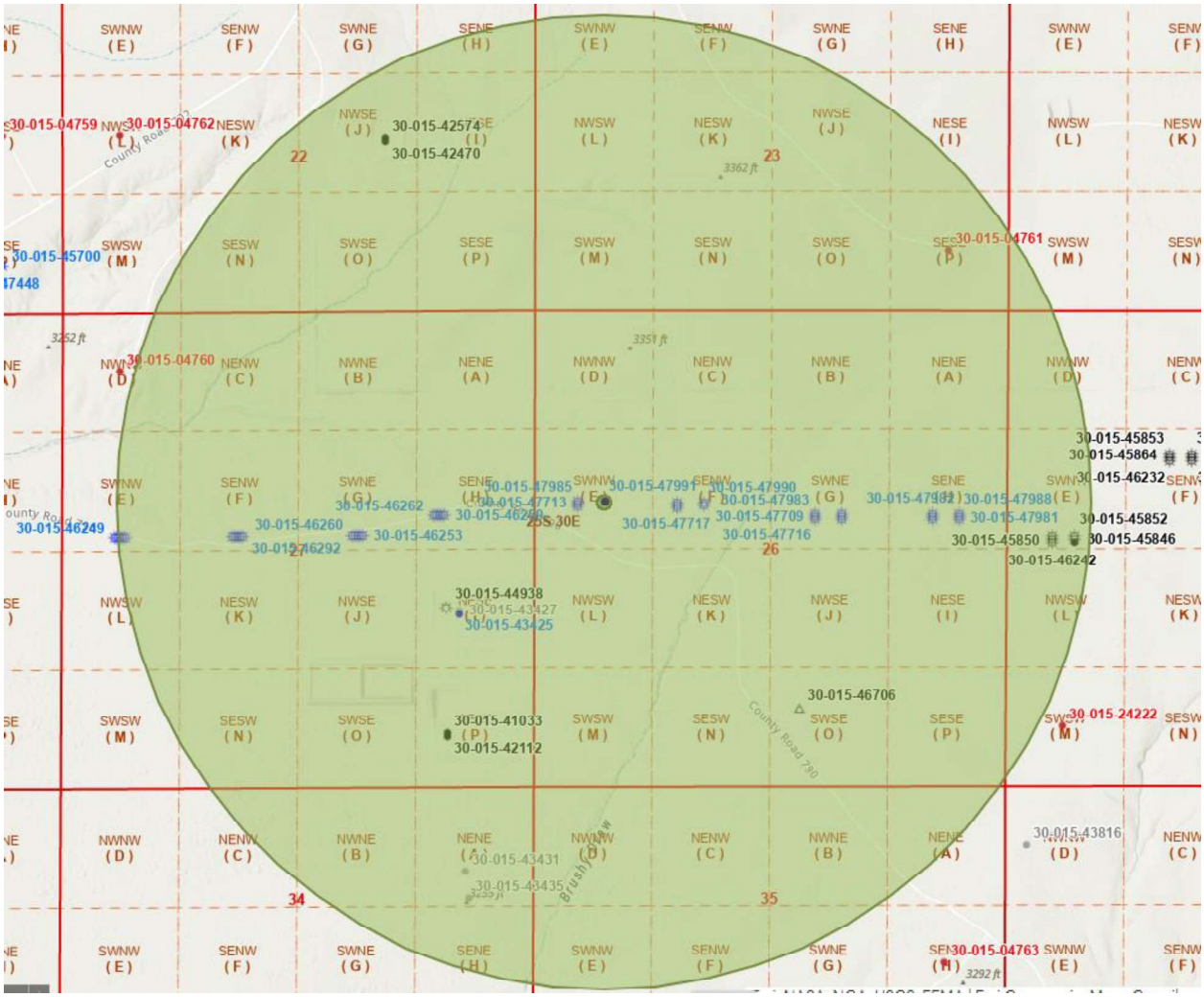
POKER LAKE UNIT 26 BD #204H LOCATED 2,230 FEET FROM THE NORTH LINE AND 794 FEET FROM THE WEST LINE OF SECTION 26, TOWNSHIP 25 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

FSC INC
SURVEYORS+ENGINEERS
2821 West 7th Street, Suite 200
Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE:	10-23-2024	PROJECT NO:	2024100455
DRAWN BY:	LM	SCALE:	1" = 5,000'
CHECKED BY:	AI	SHEET:	3 OF 3
FIELD CREW:	RE	REVISION:	NO

Poker Lake Unit 26 BD

1-Mile Radius Map



POKER LAKE UNIT 26 BD EXISTING FACILITY PAD DESCRIPTION:

Description of an existing facility pad totaling 8.27 acres and being situated in Section 26, Township 25 South, Range 30 East, New Mexico Principal Meridian, Eddy County, New Mexico and being more particularly described as follows:

BEGINNING at the southwest corner of the existing facility pad from which a found 3/4" iron pipe with brass disk, being the west quarter-corner of said Section 26, bears S 43°08'04" W 1,182.13 feet;

THENCE over and across said Section 26, the following courses and distances:

N 00°12'09" W, a distance of 600.00 feet to a point;

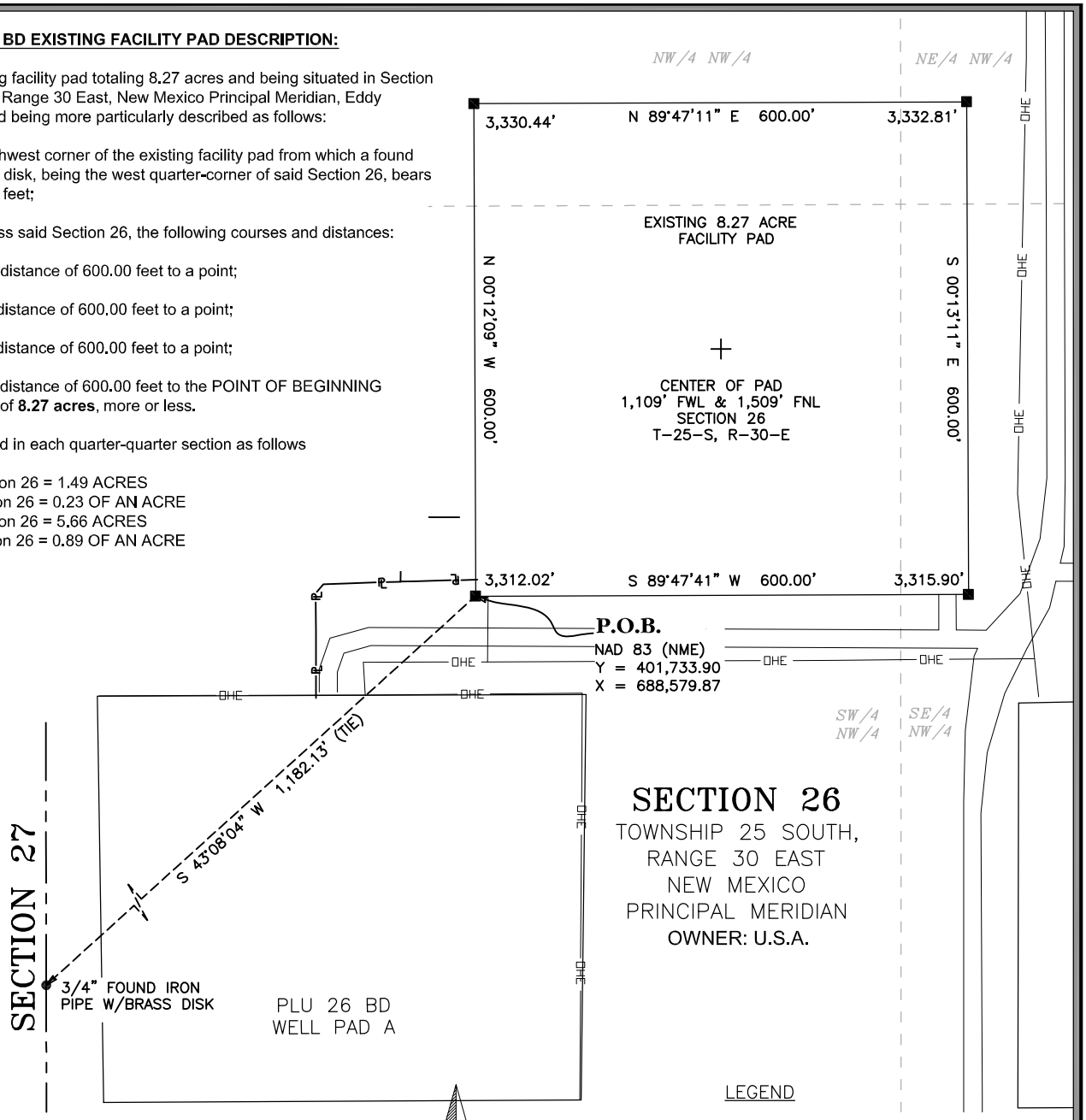
N 89°47'11" E, a distance of 600.00 feet to a point;

S 00°13'11" E, a distance of 600.00 feet to a point;

S 89°47'41" W, a distance of 600.00 feet to the POINT OF BEGINNING containing a total of **8.27 acres**, more or less.

Said pad is divided in each quarter-quarter section as follows

NW/4 NW/4 Section 26 = 1.49 ACRES
NE/4 NW/4 Section 26 = 0.23 OF AN ACRE
SW/4 NW/4 Section 26 = 5.66 ACRES
SE/4 NW/4 Section 26 = 0.89 OF AN ACRE



GENERAL NOTES

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

0 100' 200'
1" = 200 FEET

LEGEND

- SECTION LINE
- EXISTING FACILITY PAD
- EXISTING ROAD
- OHE — EXISTING OVERHEAD ELECTRIC
- P.O.B. POINT OF BEGINNING
- ● FOUND MONUMENT AS NOTED

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED 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.

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

FSC INC
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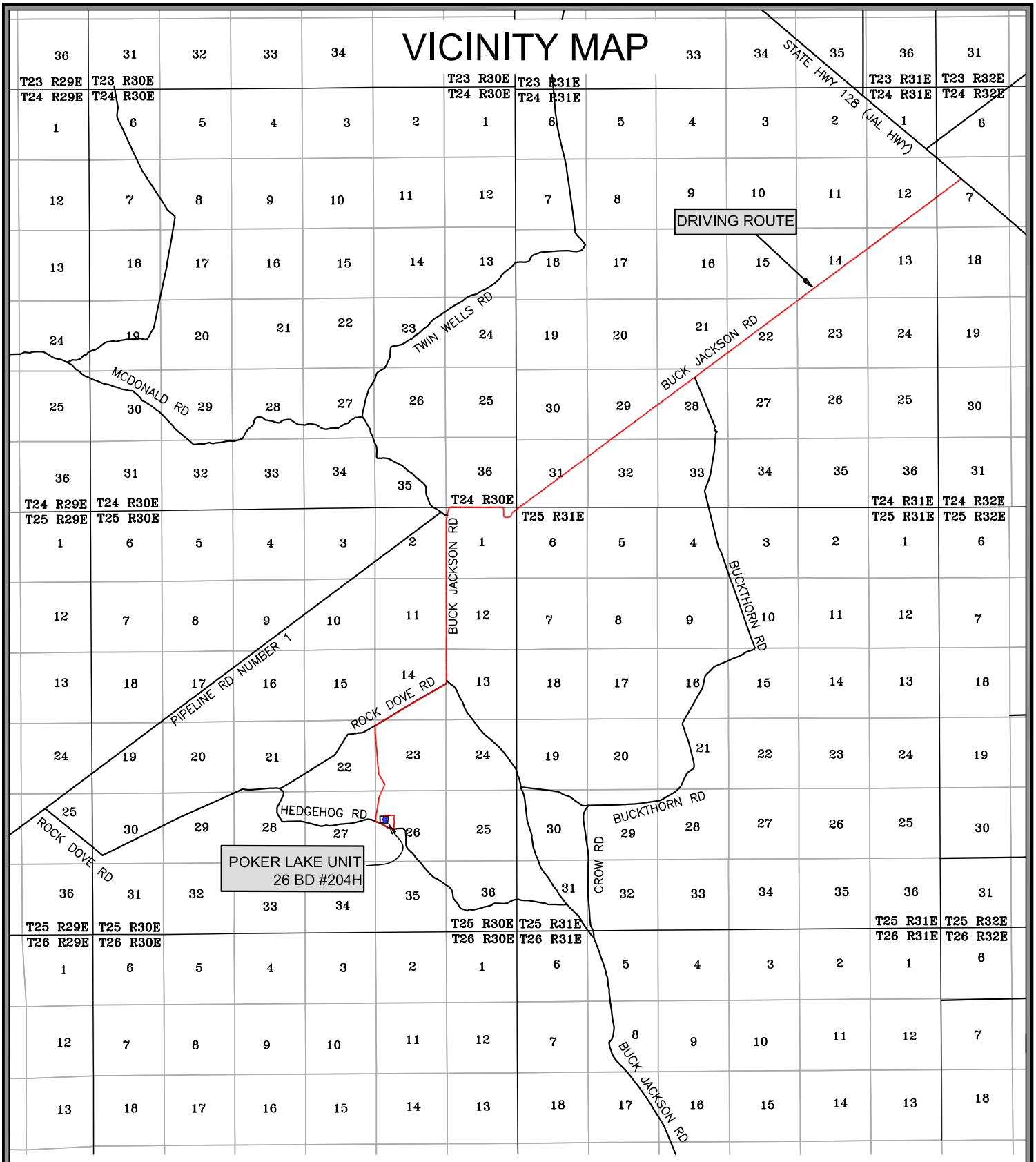
XTO PERMIAN OPERATING, LLC.

EXISTING FACILITY PAD
POKER LAKE UNIT 26 BD

SURVEY FOR AN EXISTING FACILITY PAD SITUATED IN THE NW/4 OF SECTION 26, TOWNSHIP 25 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

DATE:	10-28-2024	PROJECT NO:	2018010064
DRAWN BY:	LM	SCALE:	1" = 200'
CHECKED BY:	CH	SHEET:	1 OF 1
FIELD CREW:	IR	REVISION:	

VICINITY MAP



NOTE:

1). SEE "TOPOGRAPHICAL AND ACCESS ROAD MAP" FOR DRIVING DIRECTIONS

POKER LAKE UNIT 26 BD #204H LOCATED 2,230 FEET FROM THE NORTH LINE AND 794 FEET FROM THE WEST LINE OF SECTION 26, TOWNSHIP 25 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

0 5,000' 10,000'

1" = 10,000 FEET

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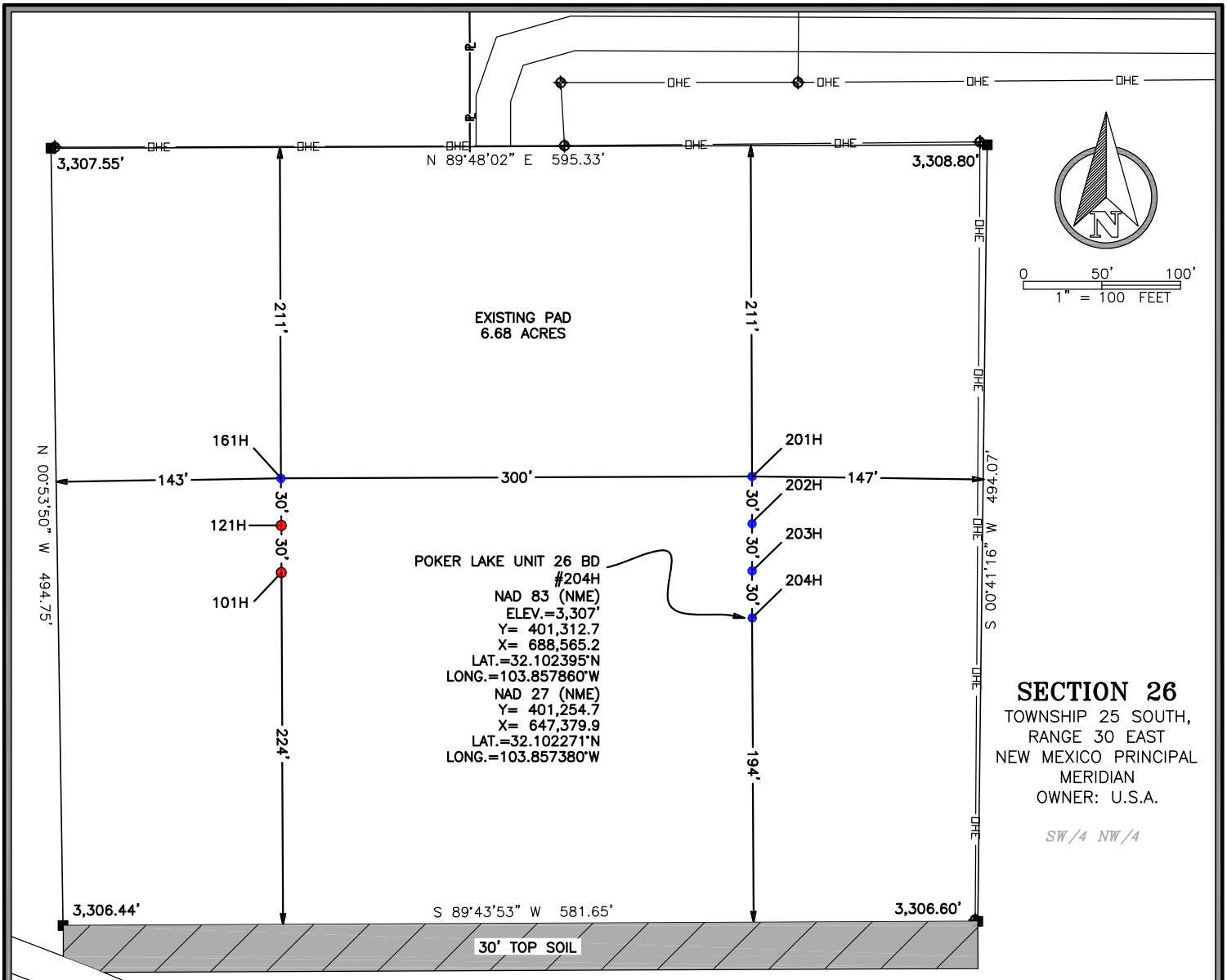
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE:	10-23-2024
DRAWN BY:	LM
CHECKED BY:	CH
FIELD CREW:	IR
PROJECT NO:	2024100455
SCALE:	1"= 10,000'
SHEET:	2 OF 3
REVISION:	NO



SECTION 26

TOWNSHIP 25 SOUTH,
RANGE 30 EAST
NEW MEXICO PRINCIPAL
MERIDIAN
OWNER: U.S.A.

SW/4 NW/4

DIRECTIONS TO THIS LOCATION:

FROM THE INTERSECTION OF HIGHWAY 128 AND BUCK JACKSON RD. GO SOUTHWEST ON BUCK JACKSON RD. (GRAVEL) APPROX. 11.5 MILES TO A "Y" INTERSECTION. TURN RIGHT (SOUTHWEST) ON ROCK DOVE RD. AND GO APPROX. 1.2 MILES. TURN LEFT (SOUTH) ON LEASE ROAD
AND GO APPROX. 1.4 MILES. TURN LEFT (EAST) ON HEDGEHOG RD. AND
GO APPROX. 0.3 MILES. TURN LEFT (NORTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES TO PROPOSED ROAD. LOCATION IS TO THE WEST.

LEGEND

- EXISTING PAD
- EXISTING ROAD
- EXISTING PIPELINE
- EXISTING ELECTRIC LINE
- POWER POLE
- PERMITTED WELL
- DRILLED WELL

GENERAL NOTES

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

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED 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.

23 Oct 2024

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

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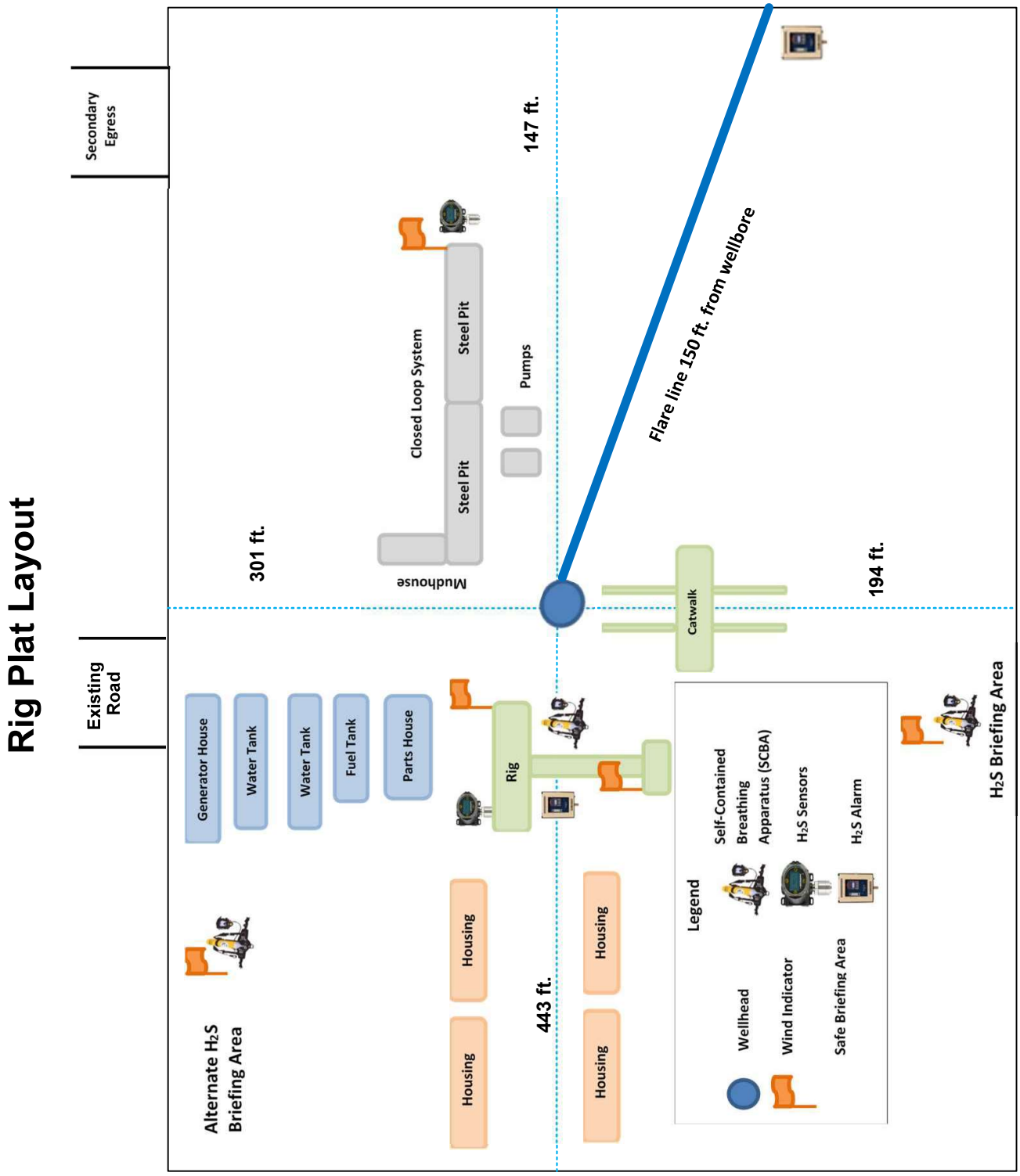
XTO PERMIAN OPERATING, LLC.

WELL SITE PLAN

POKER LAKE UNIT 26 BD #204H
LOCATED 794 FEET FROM THE WEST LINE
AND 2,230 FEET FROM THE NORTH LINE OF
SECTION 26, TOWNSHIP 25 SOUTH, RANGE 30
EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

DATE:	10-23-2024	PROJECT NO:	2024100454
DRAWN BY:	LM	SCALE:	1" = 100'
CHECKED BY:	CH	SHEET:	1 OF 3
FIELD CREW:	IR	REVISION:	

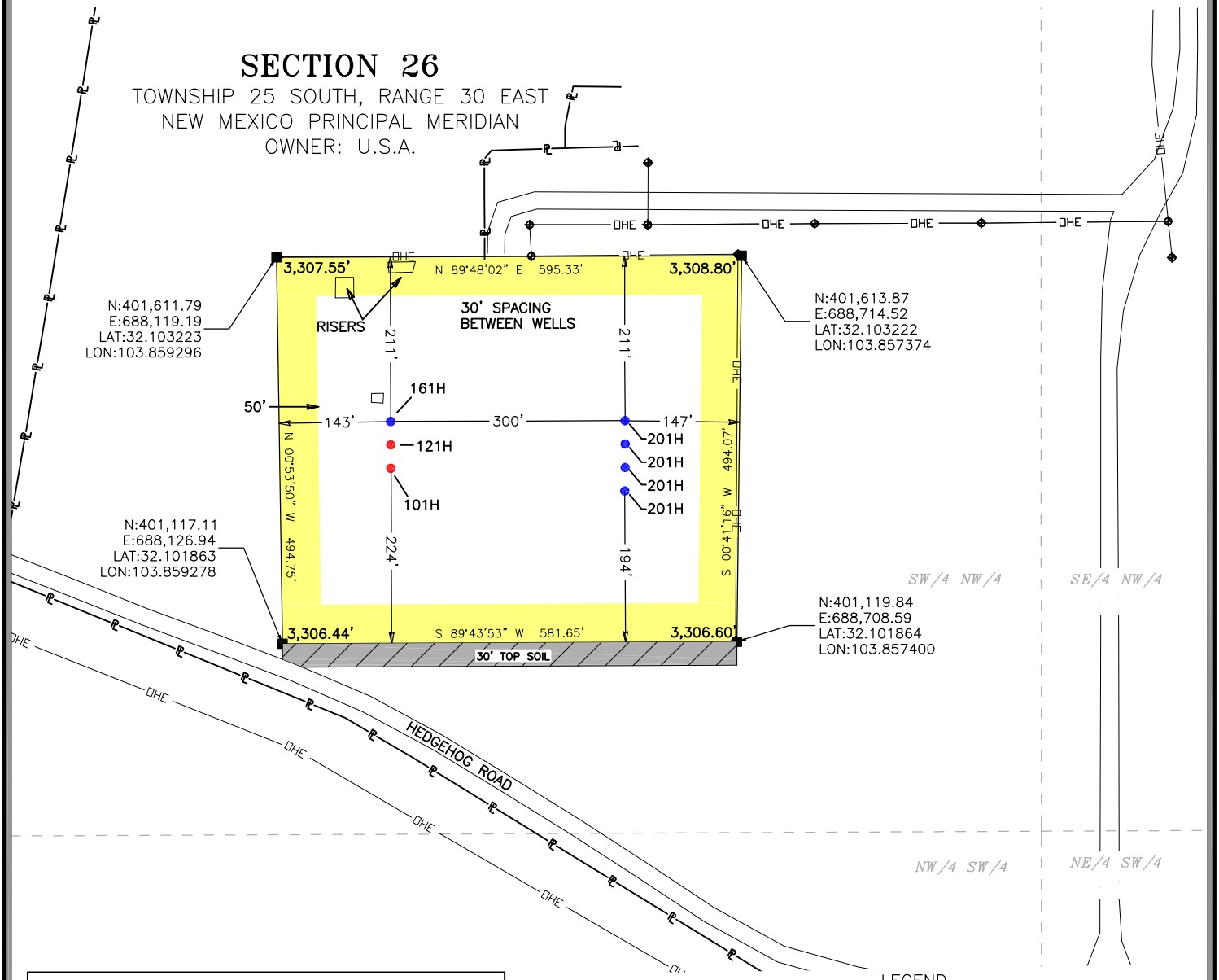
Rig Plat Layout



← N —

SECTION 26

TOWNSHIP 25 SOUTH, RANGE 30 EAST
NEW MEXICO PRINCIPAL MERIDIAN
OWNER: U.S.A.



ACREAGE INFORMATION	
INITIAL DISTURBED AREA	=6.679 ACRES
INTERIM RECLAMATION	=2.257 ACRES
TOTAL PAD ACREAGE AFTER IR	=4.422 ACRES

0 100' 200'
1" = 200 FEET

LEGEND

- EXISTING PAD
- EXISTING PIPELINE
- EXISTING RD
- EXISTING OVERHEAD ELECTRIC
- POWER POLE
- PERMITTED WELL
- DRILLED WELL
- INTERIM RECLAMATION AREA

GENERAL NOTES

1. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES SHOWN HEREON ARE GRID VALUES AND ARE BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM OF 1983 EAST ZONE 3001, U.S. SURVEY FEET.

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED 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.

28 Jan 2025

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS
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XTO PERMIAN OPERATING, LLC.

AN INTERIM RECLAMATION DIAGRAM FOR: POKER LAKE UNIT 26 BD

POKER LAKE UNIT 26 BD PAD A
LOCATED 646 FEET FROM THE WEST LINE AND 2,176 FEET FROM THE NORTH LINE OF SECTION 26, TOWNSHIP 25 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

DATE:	1-27-2025	PROJECT NO:	2018010064
DRAWN BY:	LM	SCALE:	1" = 200'
CHECKED BY:	AW	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

Surface Use Plan of Operations

Existing Roads:

Individual well specific vicinity maps, topographical & access road maps issued by the registered surveyor, that show & identify the proposed well sites and access routes to the proposed wells as per the 43 CFR requirements have been attached with the individual APDs under SUPO section 1.

New or Reconstructed Access Roads:

All access routes are previously constructed to the well sites as per the 43 CFR requirements have been described in the new road plat issued by the registered surveyor. The same has been attached with the individual APDs under SUPO Section 2. Constructed routes to the individual wells on the well site locations have been shown & identified on the well specific vicinity, topography & access road maps attached in SUPO section 1 of the individual APDs.

Location of existing wells:

A map including all known wells with-in a one-mile radius of the Poker Lake Unit 26 BD development area, as per the 43 CFR requirements, is attached under SUPO section 3.

Location of existing and/or proposed production facilities:

Separate certified plats issued by the registered surveyor. Existing facility pad plat for the central tank battery is attached, as per the 43 CFR requirements have been attached under SUPO section 4.

Location & Types of Water Supply:

The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. Water composition depends on the mud type needed per formation to protect useable water. Fresh water is trucked to location for use in surface casing drilling and cementing. All other water is either brackish (32.096949, -103.866319) or raw produced water (32.102064, -103.862423) that is all piped from either a pipeline or a pond to the drilling location.

Anticipated water usage for drilling includes an estimated 50,000 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 lines will be permitted via a Temporary Water Line Approved Decision letter and/or any necessary Right of Way Grants as needed based on drilling and completion schedules. Well completion is expected to require approximately 550,000 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

Construction Material:

- Source: No additional surface disturbance is required
- Character: Lifts of compacted caliche
- Intended use: surfacing the drill pad, constructing the access roads, and maintenance

Methods for handling waste:

- Cuttings: Drill cuttings will be held in roll-off style mud boxes and will be taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site located at
- Drilling Fluids. These will be contained in steel mud pits and will be taken to an NMOCD approved commercial disposal facility located at
- Produced Fluids:
    - Water produced from the well during completions will be held temporarily in steel tanks and then taken to an NMOCD approved commercial disposal facility.
    - Oil produced during operations will be stored in tanks until sold
- 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 located. 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 the drilling rig is removed, 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

- Sewage: Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completions activities, or as required, the toilet holding tanks will be pumped and the contents thereof will be disposed 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.
- Hazardous Materials:
    - All drilling wastes identified as hazardous substances by the Comprehensive Environmental Response Compensation Liability Act (CERCLA) removed from the location will be disposed of at a hazardous waste facility approved by the U.S. Environmental Protection Agency (EPA) located at and will not be reused at another drilling location
    - No hazardous substances or wastes will be stored on the location after completion of the well.
    - Chemicals brought to location will be on the Toxic Substance Control Act (TSCA) approved inventory list
    - All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in the 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

Ancillary Facilities:

- No ancillary facilities will be required for the Poker Lake Unit 26 BD development.

Well Site Layout:

- Certified well site layouts for the individual wells, issued by the registered surveyor, have been attached under SUPO section 9 of the APD
- Rig layouts for individual wells, as per the 43 CFR requirements, have also been attached under SUPO section of the individual APDs

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, head cutting, 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.

Surface Ownership:

All the surface that will be utilized for the Poker Lake Unit 26 BD Development is owned by the Bureau of Land Management (BLM).

Other Information:

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

Robert Bartels

Project Execution Planner

XTO Energy, Incorporated

6401 Holiday Hill Road Bldg 5

Midland, Texas 79701

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Phone: (406) 478-3671

AFMSS

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

PWD Data Report
02/26/2025

APD ID: 10400101672 **Submission Date:** 10/29/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Well Type: CONVENTIONAL GAS 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):**

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: POKER LAKE UNIT 26 BD **Well Number:** 204H

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:**

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):

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

State

Unlined Produced Water Pit Estimated

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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):**

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):**

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:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD discharge volume (bbl/day):

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

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

02/26/2025

APD ID: 10400101672 **Submission Date:** 10/29/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 26 BD **Well Number:** 204H

Well Type: CONVENTIONAL GAS 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

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 438399
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
sweis	Cement is required to circulate on both surface and intermediate1 strings of casing.	3/3/2025
sweis	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	3/3/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	4/19/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	4/19/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	4/19/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	4/19/2025