AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 01/08/2026 08:44 AM

APD ID:	10400106757	Well Status:	AAPD
APD Received Date:	09/11/2025 03:36 PM	Well Name:	POKER LAKE UNIT 19 DTD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	426H

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: 1 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: 2 file(s)
  -- Other Facets: 4 file(s)
  -- Other Variances: 5 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 4 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Well Site Layout Diagram: 2 file(s)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

CONFIDENTIAL

- Bond Report
- Bond Attachments
  -- None

Form 3160-3
(October 2024)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM02860

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 19 DTD 426H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-59179

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: WILDCAT S243006B/LWR BONE SPRIN

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

At surface: NENE / 179 FNL / 1136 FEL / LAT 32.209828 / LONG -103.915881

At proposed prod. zone: NESE / 2642 FSL / 1284 FEL / LAT 32.261233 / LONG -103.916342

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 19/T24S/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): 179 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 1120.0

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

19. Proposed Depth: 9688 feet / 28122 feet

20. BLM/BIA Bond No. in file: FED: NMB106723860

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3176 feet

22. Approximate date work will start*: 11/20/2026

23. Estimated duration: 40 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)*: MANOJ VENKATESH / Ph: (432) 682-8873

Date: 09/11/2025

Title: Regulatory Analyst

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

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

Date: 01/07/2026

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: 01/07/2026

Confidential

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.

(Continued on page 3)

Confidential

Additional Operator Remarks

Location of Well

0. SHL: NENE / 179 FNL / 1136 FEL / TWSP: 24S / RANGE: 30E / SECTION: 19 / LAT: 32.209828 / LONG: -103.915881 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 500 FSL / 1284 FEL / TWSP: 24S / RANGE: 30E / SECTION: 18 / LAT: 32.21169 / LONG: -103.916359 (TVD: 9688 feet, MD: 10099 feet)

PPP: SESE / 0 FNL / 1298 FEL / TWSP: 24S / RANGE: 30E / SECTION: 07 / LAT: 32.224876 / LONG: -103.916354 (TVD: 9688 feet, MD: 14900 feet)

BHL: NESE / 2642 FSL / 1284 FEL / TWSP: 23S / RANGE: 30E / SECTION: 31 / LAT: 32.261233 / LONG: -103.916342 (TVD: 9688 feet, MD: 28122 feet)

BLM Point of Contact

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

CONFIDENTIAL

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
LEASE NO.:	NMNM002860
COUNTY:	Eddy

Wells:

Dog Town Draw 19

Well Name	SHL STR	SHL Footages	BHL STR	BHL Footages
POKER LAKE UNIT 19 DTD 103H	19 T24S R30E	1211 FNL, 339 FWL	6 T24S R30E	50 FNL, 300 FWL
POKER LAKE UNIT 19 DTD 202H	19 T24S R30E	1182 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1638 FWL
POKER LAKE UNIT 19 DTD 303H	19 T24S R30E	1103 FNL, 2441 FWL	31 T23S R30E	2643 FSL, 2376 FEL
POKER LAKE UNIT 19 DTD 402H	19 T24S R30E	84 FNL, 1136 FEL	31 T23S R30E	2641 FSL, 1038 FEL
POKER LAKE UNIT 19 DTD 105H	19 T24S R30E	1211 FNL, 369 FWL	6 T24S R30E	50 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 226H	19 T24S R30E	1277 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 229H	19 T24S R30E	1278 FNL, 1943 FWL	31 T23S R30E	2644 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 305H	19 T24S R30E	1103 FNL, 2471 FWL	31 T23S R30E	2643 FSL, 2176 FEL
POKER LAKE UNIT 19 DTD 426H	19 T24S R30E	179 FNL, 1136 FEL	31 T23S R30E	2642 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 429H	19 T24S R30E	180 FNL, 1076 FEL	31 T23S R30E	2640 FSL, 392 FEL
POKER LAKE UNIT 19 DTD 106H	19 T24S R30E	1212 FNL, 399 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 228H	19 T24S R30E	1277 FNL, 1913 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 306H	19 T24S R30E	1103 FNL, 2501 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 428H	19 T24S R30E	179 FNL, 1106 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 101H	19 T24S R30E	1211 FNL, 309 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 201H	19 T24S R30E	1182 FNL, 1853 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 301H	19 T24S R30E	1103 FNL, 2411 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 401H	19 T24S R30E	84 FNL, 1166 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 115H	19 T24S R30E	1306 FNL, 309 FWL	6 T24S R30E	100 FNL, 223 FWL
POKER LAKE UNIT 19 DTD 118H	19 T24S R30E	1307 FNL, 399 FWL	6 T24S R30E	100 FNL, 1115 FWL
POKER LAKE UNIT 19 DTD 211H	19 T24S R30E	1274 FNL, 1423 FWL	31 T23S R30E	2425 FSL, 2007 FWL
POKER LAKE UNIT 19 DTD 315H	19 T24S R30E	1198 FNL, 2411 FWL	31 T23S R30E	2424 FSL, 2453 FEL
POKER LAKE UNIT 19 DTD 318H	19 T24S R30E	1198 FNL, 2501 FWL	31 T23S R30E	2422 FSL, 1561 FEL
POKER LAKE UNIT 19 DTD 417H	19 T24S R30E	177 FNL, 1596 FEL	31 T23S R30E	2420 FSL, 670 FEL
POKER LAKE UNIT 19 DTD 116H	19 T24S R30E	1306 FNL, 339 FWL	6 T24S R30E	100 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 212H	19 T24S R30E	1275 FNL, 1453 FWL	31 T23S R30E	2424 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 415H	19 T24S R30E	176 FNL, 1656 FEL	31 T23S R30E	2422 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 209H	19 T24S R30E	1274 FNL, 1363 FWL	31 T23S R30E	2425 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 316H	19 T24S R30E	1198 FNL, 2441 FWL	31 T23S R30E	2423 FSL, 2168 FEL
POKER LAKE UNIT 19 DTD 418H	19 T24S R30E	177 FNL, 1566 FEL	31 T23S R30E	2420 FSL, 384 FEL
POKER LAKE UNIT 19 DTD 117H	19 T24S R30E	1306 FNL, 369 FWL	6 T24S R30E	100 FNL, 670 FWL
POKER LAKE UNIT 19 DTD 210H	19 T24S R30E	1274 FNL, 1393 FWL	31 T23S R30E	2425 FSL, 1561 FWL
POKER LAKE UNIT 19 DTD 225H	19 T24S R30E	1277 FNL, 1853 FWL	31 T23S R30E	2424 FSL, 2453 FWL
POKER LAKE UNIT 19 DTD 317H	19 T24S R30E	1198 FNL, 2471 FWL	31 T23S R30E	2423 FSL, 2007 FEL
POKER LAKE UNIT 19 DTD 416H	19 T24S R30E	176 FNL, 1626 FEL	31 T23S R30E	2421 FSL, 1115 FEL
POKER LAKE UNIT 19 DTD 425H	19 T24S R30E	179 FNL, 1166 FEL	31 T23S R30E	2420 FSL, 223 FEL

 Approval Date: 01/07/2026

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐**General Provisions**
☐**Permit Expiration**
☐**Archaeology, Paleontology, and Historical Sites**
☐**Noxious Weeds**
☒**Special Requirements**
Watershed
Range
VRM IV
☐**Construction**
Notification
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
☐**Road Section Diagram**
☒**Production (Post Drilling)**
Well Structures & Facilities
Pipelines
Electric Lines
☐**Interim Reclamation**
☐**Final Abandonment & Reclamation**

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area 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 to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder 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 holder.

The holder is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA) to protect such cultural items as human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered inadvertently during the course of project implementation. In the event that any of the cultural items listed above are discovered during the course of project work, the proponent shall immediately halt the disturbance and contact the BLM within 24 hours for instructions. The proponent or initiator of any project shall be held responsible for protecting, evaluating, reporting, excavating, treating, and disposing of these cultural items according to the procedures established by the BLM in consultation with Indian Tribes."

There are two historic properties that are being surrounded by the proposed disturbance related to this project. While the disturbance related to this project is at least 100ft away from the sites, there is still a concern of future projects causing the area around the sites to shrink and ultimately cause a significant impact. In order to project the existing resources, no future development will be allowed to encroach on outside of the disturbance reviewed in this EA around LA 147548 and LA 147561.

Any paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area 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 to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder 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 holder.

IV. 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 and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Watershed:
The entire well pad(s) 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.

TANK BATTERY:
Tank battery locations will be lined and bermed. A 20-mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater. Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

BURIED/SURFACE LINE(S):
When crossing ephemeral drainages, the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons should be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences should be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars should be placed within the ROW to divert and dissipate surface runoff. A pipeline access road is not permitted to cross these ephemeral drainages. Traffic should be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

ELECTRIC LINE(S):
Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole should not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that would not promote further erosion.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the atCarlsbad Field Office at (575) 234-5909 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 Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. 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 (below six inches) 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.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS 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.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing
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 pit 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.)

G. ON LEASE ACCESS ROADS

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.

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 should 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.

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.

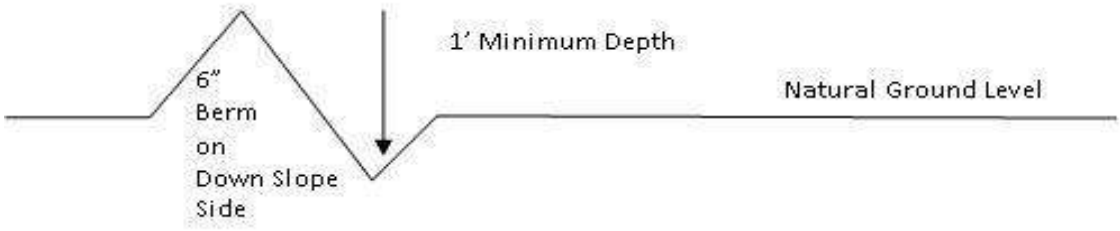
Ditching
Ditching shall be required on both sides of the road.

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.

Drainage
Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off 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:

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

Cattle guards
An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route 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 cattle guards that are in place and are utilized during lease operations.

Fence Requirement
Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

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

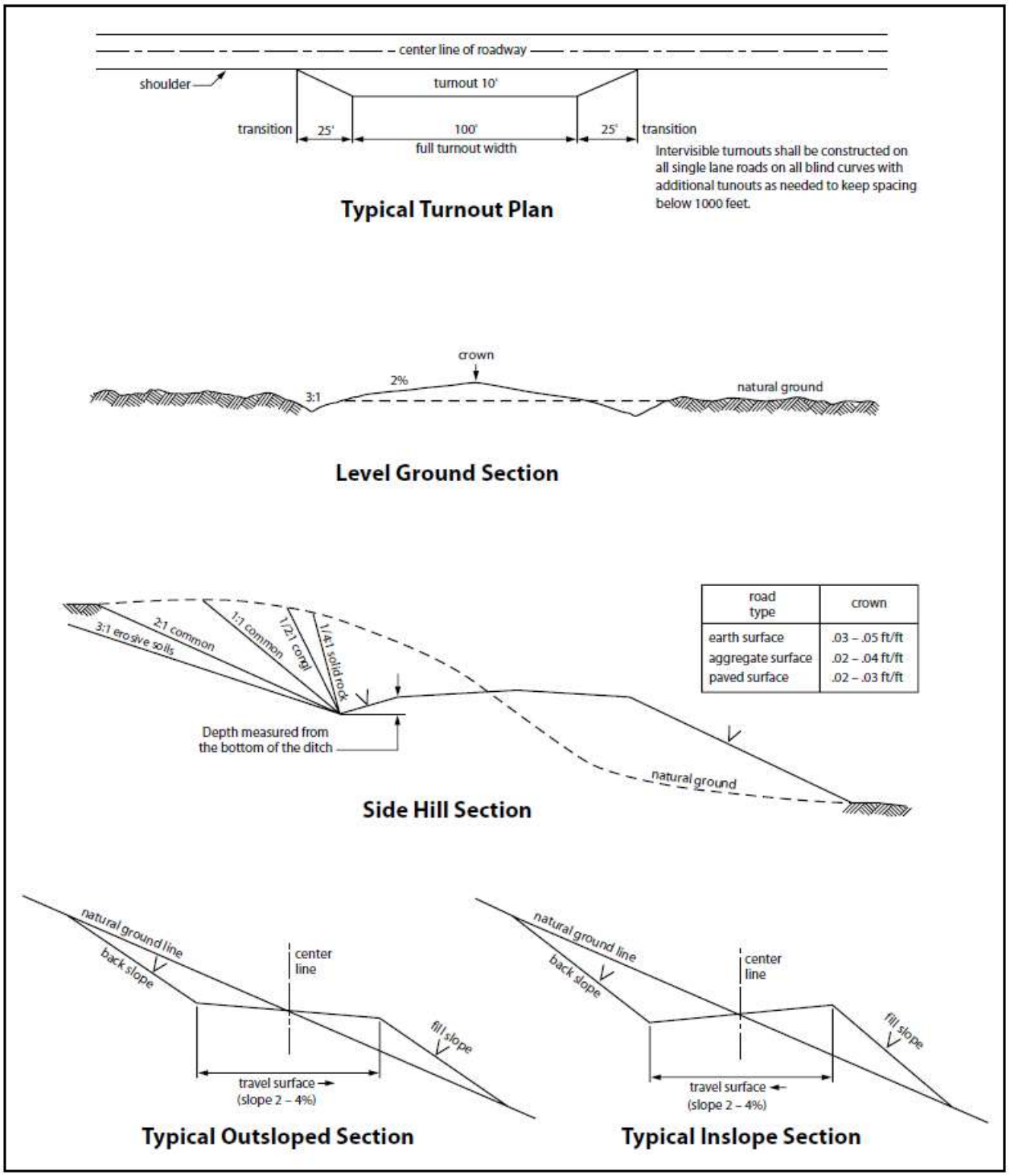


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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.

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.

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.

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.

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

B. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- If a void is encountered alignments may be rerouted to avoid the karst feature and lessen; the potential of subsidence or collapse of karst features, buildup of toxic or combustible gas, or other possible impacts to cave and karst resources from the buried pipeline.
- Special restoration stipulations or realignment may be required at such intersections, if any.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, situating values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C.

9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of **36** inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be **30** feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed **20** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation*.)

- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed **30** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)

- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately ___6___ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

☐**Seed Mixture 1**
☒**Seed Mixture 2**
☐**Seed Mixture 2/LPC**
☐**Seed Mixture 3**
☐**Seed Mixture 4**
☐**Seed Mixture Aplomado Falcon Mixture**

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. 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 associated roads, 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 and BLM requirements and policies.

17. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

C. ELECTRIC LINES

- Smaller powerlines will be routed around sinkholes and other karst features to avoid or lessen the possibility of encountering near surface voids and to minimize changes to runoff or possible leaks and spills from entering karst systems. Larger powerlines will adjust their pole spacing to avoid cave and karst features.
- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction.
- No further construction will be done until clearance has been issued by the Authorized Officer.
- Special restoration stipulations or realignment may be required.

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.

5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Special Stipulations:
For reclamation remove poles, lines, transformer, etc. and dispose of properly.
Fill in any holes from the poles removed.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should 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 should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. 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 below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

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 should 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.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture 2, for Sandy Sites

The holder 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 will be planted 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 have a tendency to drop the bottom of the drill and are planted first). The holder 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 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.

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

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

*Pounds of pure live seed:

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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
WELL NAME & NO.:	Poker Lake Unit 19 DTD 426H
LOCATION:	19-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Not Reported	Low	Waste Minimization Plan

Potash	R-111-Q Design
None	

Wellhead	Casing		
Multibowl	3-String Well		
	☐ Liner	☑ Fluid Filled	☐ Casing Clearance
☑ Flex Hose	**Cementing**		
☑ Break Testing	☐ DV Tool	☑ Bradenhead	☐ Echometer
	☑ Offline Cement	☐ Open Annulus	☐ Pilot Hole

Special Requirements			
☐ Capitan Reef	☐ Water Disposal	☐ COM	☑ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H_2S) monitors shall be installed prior to drilling out the surface shoe. If H_2S 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 **13-3/8** inch surface casing shall be set at approximately **400** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the

cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

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

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

2. The minimum required fill of cement behind the **9-5/8** inch Intermediate casing is **cement to surface**. If cement does not circulate, see B.1.a, c-d above.

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

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

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

   - Operator shall run a CBL from TD of the **Surface** casing to tieback requirements after the second stage BH to verify TOC.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is at least **200 feet** into previous casing string. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.

   - If cement does not circulate to surface on the previous casing, this string must come to surface.

C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
    e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

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

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

D. SPECIAL REQUIREMENT(S)

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)**

Offline Cementing

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

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 proposed to drill multiple wells utilizing a skid / walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
    b. When the operator proposes to set surface casing with Spudder Rig
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
        iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on swell.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will always be operational during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING & CEMENT

1. The current acceptable methods of cement verification are as follows:
    i. Observing cement circulated to surface,
    ii. Cement Bond Log (CBL),
    iii. Temperature log within 8-10 hours after completing the cement job,
    iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)

2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Well specific cement details must be onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hard band drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

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

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

at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (This only applies to single stage cement jobs, prior to the cement setting up.)

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

Approved by Zota Stevens on 1/7/2026
zstevens@blm.gov / 575-234-5998

AFMSS

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

Operator Certification Data Report

01/08/2026

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: PAVAN V **Signed on:** 09/11/2025

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: HOUSTON **State:** TX **Zip:** 77389

Phone: (111)111-1111

Email address: PAVAN.V@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
01/08/2026

APD ID: 10400106757
Submission Date: 09/11/2025
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 19 DTD
Well Number: 426H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400106757
Tie to previous NOS? N
Submission Date: 09/11/2025
BLM Office: Carlsbad
User: PAVAN V
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM02860
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 19 DTD
Well Number: 426H
Field/Pool or Exploratory? Field and Pool
Field Name: WILDCAT S243006B
Pool Name: LWR BONE SPRING

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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

Describe other minerals: Produced Water

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 19 DTD **Number:** D

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

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: EVALUATION

Describe sub-type:

Distance to town: **Distance to nearest well:** 30 FT **Distance to lease line:** 179 FT

Reservoir well spacing assigned acres Measurement: 1120 Acres

Well plat: POKER_LAKE_UNIT_19_DTD_426H_C102_FINAL_08_26_2025_20250908095106.pdf

Well work start Date: 11/20/2026 **Duration:** 40 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	179	FNL	1136	FEL	24S	30E	19	Aliquot NENE	32.209828	-103.915881	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	3176			Y
KOP Leg #1	216	FNL	1284	FEL	24S	30E	19	Aliquot NENE	32.209721	-103.916359	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	-5796	8974	8972	Y
PPP Leg #1-1	500	FSL	1284	FEL	24S	30E	18	Aliquot SESE	32.21169	-103.916359	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	-6512	10099	9688	Y

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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	1298	FEL	24S	30E	7	Aliquot SESE	32.224876	-103.916354	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC068545	-6512	14900	9688	Y
EXIT Leg #1	2552	FSL	1284	FEL	23S	30E	31	Aliquot NESE	32.260985	-103.916341	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02864	-6512	28032	9688	Y
BHL Leg #1	2642	FSL	1284	FEL	23S	30E	31	Aliquot NESE	32.261233	-103.916342	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02864	-6512	28122	9688	Y

CONFIDENTIAL

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

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

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

C-102
Revised July 9, 2024
Submit Electronically
via OCD Permitting

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	97753	WILDCAT S243006B;LWR BONE SPRING

Property Code	Property Name	Well Number
	POKER LAKE UNIT 19 DTD	426H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3176'

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
A	19	24S	30E		179 FNL	1,136 FEL	32.209828	-103.915881	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,642 FSL	1,284 FEL	32.261233	-103.916342	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,120.00	DEFINING		Y	U

Order Numbers:
Well setbacks are under Common Ownership: ☒Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	19	24S	30E		216 FNL	1,284 FEL	32.209721	-103.916359	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	24S	30E		500 FSL	1,284 FEL	32.211690	-103.916359	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,552 FSL	1,284 FEL	32.260985	-103.916341	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM-105422429	☒ Horizontal ☐ Vertical	3176'

OPERATOR CERTIFICATIONS

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

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

Samantha Weis 9/5/2025
Signature Date

Samantha Weis
Printed Name

samantha.r.bartnik@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

MARK DILLON HARP · NEW MEXICO · 23786 · PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

23786
Certificate Number

08-26-2025
Date of Survey

DN 618.013003.05-82

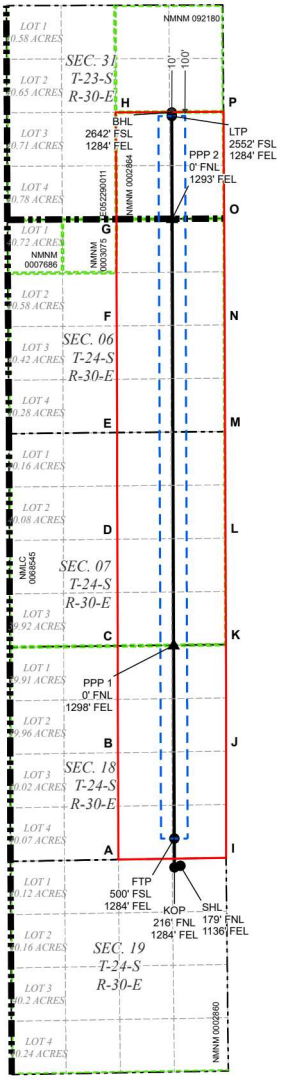
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Received by OCD: 11/2/2026 3:35:06 PM

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

WELL COORDINATE TABLE

WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL	670,447.5	440,320.1	32.209828	-103.915881	629,263.9	440,260.8	32.209703	-103.915394
KOP	670,299.9	440,280.8	32.209721	-103.916359	629,116.2	440,221.5	32.209597	-103.915871
FTP	670,297.3	440,997.0	32.211690	-103.916359	629,113.7	440,937.7	32.211565	-103.915871
LTP	670,233.1	458,930.0	32.260985	-103.916341	629,050.1	458,870.2	32.260861	-103.915851
BHL	670,232.5	459,020.0	32.261233	-103.916342	629,049.4	458,960.2	32.261109	-103.915852
PPP 1	670,280.1	445,793.8	32.224876	-103.916354	629,096.7	445,734.3	32.224751	-103.915865
PPP 2	670,242.2	456,378.5	32.253972	-103.916344	629,059.1	456,318.8	32.253847	-103.915854

CORNER COORDINATE TABLE

CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	668,907.1	440,474.1	627,723.5	440,414.8
B	668,899.9	443,126.5	627,716.3	443,067.1
C	668,892.6	445,777.6	627,709.1	445,718.2
D	668,884.1	448,425.2	627,700.7	448,365.7
E	668,875.7	451,073.5	627,692.4	451,014.0
F	668,867.9	453,722.6	627,684.7	453,662.9
G	668,860.1	456,369.2	627,677.0	456,309.5
H	668,841.3	459,023.1	627,658.3	458,963.3
I	671,581.7	440,518.0	630,398.0	440,458.7
J	671,579.8	443,164.9	630,396.3	443,105.5
K	671,577.7	445,808.9	630,394.3	445,749.5
L	671,566.6	448,453.6	630,383.2	448,394.1
M	671,553.3	451,099.5	630,370.0	451,039.9
N	671,542.5	453,745.0	630,359.3	453,685.3
O	671,534.9	456,387.2	630,351.8	456,327.5
P	671,516.4	459,036.4	630,333.4	458,976.6

Released to Imaging: 11/16/2026 7:24:17 AM

AFMSS

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

Drilling Plan Data Report
01/08/2026

APD ID: 10400106757
Submission Date: 09/11/2025

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD
Well Number: 426H

Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
17125081	QUATERNARY	3176	0	0	ALLUVIUM	USEABLE WATER	N
17125084	RUSTLER	2596	580	580	ANHYDRITE, SANDSTONE	USEABLE WATER	N
17125085	SALADO	2324	852	852	SALT	NONE	N
17125086	BASE OF SALT	-433	3609	3609	SALT	NONE	N
17125087	DELAWARE	-652	3828	3828	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
17125088	BRUSHY CANYON	-2766	5942	5942	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
17125089	BRUSHY CANYON LOWER	-3147	6323	6323	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
17125090	BONE SPRING	-4443	7619	7619	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
17125091	BONE SPRING 1ST	-5433	8609	8609	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
17125062	BONE SPRING 2ND	-6462	9638	9638	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9688

Equipment: Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril and a minimum 10M triple Ram BOP. XTO will use a Multi-Bowl System which is attached.

Requesting Variance? YES

Variance request: Offline Cementing Variance XOM requests the option to perform offline cement and bradenhead jobs (if needed) SURFACE, INTERMEDIATE, and PRODUCTION casing strings where batch drilling is approved. XOM will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Break Test Variance A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure is less than 4800psi and the deepest intermediate casing point does not penetrate the Wolfcamp Formation. Flex Hose Variance A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors. Open Hole Logging Variance Open hole logging will not be done on this well. Spudder Rig Variance XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing. Batch Drilling Variance XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

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

Choke Diagram Attachment:

POKER_LAKE_UNIT_19_DTD_10MCM_20250903120227.pdf

BOP Diagram Attachment:

POKER_LAKE_UNIT_19_DTD_5M10M_BOP_20250903120248.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	827	0	827	3176	2349	827	J-55	54.5	BUTT	6.31	10.8	DRY	6.13	DRY	6.13
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	8824	0	8822	3176	-5646	8824	L-80	40	BUTT	3.71	2.76	DRY	2.3	DRY	2.3
3	PRODUCTION	8.5	5.5	NEW	NON API	N	0	28122	0	9688	3176	-6512	28122	P-110	20	OTHER - Tenaris Wedge 441	2.93	1.18	DRY	2.85	DRY	2.85

Casing Attachments

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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:

POKER_LAKE_UNIT_19_DTD_CSG_20250903120341.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

POKER_LAKE_UNIT_19_DTD_Wedge_441__5.500__20.00_0.361_P110_ICY_20250826120920.pdf

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_19_DTD_CSG_20250903120414.pdf

Section 4 - Cement

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0	NA	NA
PRODUCTION	Tail		8324	28122	4341	1.44	13.2	6251.04	25	Class C	NA
SURFACE	Lead		0	527	347	2.11	12.4	732.17	100	Class C	NA
SURFACE	Tail		527	827	313	1.33	14.8	416.29	100	Class C	NA
INTERMEDIATE	Lead		0	5942	1733	1.45	14.8	2512.85	35	Class C	NA
INTERMEDIATE	Tail		5942	8824	841	1.45	14.8	1219.45	35	Class C	NA

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

Describe the mud monitoring system utilized: Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

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	827	WATER-BASED MUD	8.3	8.7							Fresh Water or Native Water.
8824	28122	OIL-BASED MUD	9	9.6							OBM or Cut Brine depending on Well

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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
											Conditions.
827	8824	OTHER : BDE/OBM or FW/Brine	9.5	10							Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.

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:

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

Coring operation description for the well:

No Coring Operations for this Well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4836 **Anticipated Surface Pressure:** 2704

Anticipated Bottom Hole Temperature(F): 182

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

POKER_LAKE_UNIT_19_DTD_H2S_PLAN_20250826121228.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Poker_Lake_Unit_19_DTD_426H_DD_20250903120530.pdf

Poker_Lake_Unit_19_DTD_426H_Formation__Section_and_Plan_View_20250903120530.pdf

Other proposed operations facets description:

XTO Permian Operating, LLC., will not introduce any additive that contains PFAS chemicals in completion or recompletion of the well and will meet the certification requirement.

Other proposed operations facets attachment:

POKER_LAKE_UNIT_19_DTD_Combined_H2S_Diagram_Pad_A_B_C_D_20250826122301.pdf

PLU_19_DTD_426H_DP_20250903120625.pdf

POKER_LAKE_UNIT_19_DTD_13.375_9.625_5.5_3_String_Bighole_20250903120703.pdf

PLU_19_DTD_N_GCP_UPDATED_20250908113508.pdf

Other Variance request(s)?: Y

Other Variance attachment:

POKER_LAKE_UNIT_19_DTD_BOP_BREAK_TEST_VARIANCE_20250826122148.pdf

POKER_LAKE_UNIT_19_DTD_FLEX_HOSE_VARIANCE_20250826122147.pdf

POKER_LAKE_UNIT_19_DTD_OFFLINE_CEMENTING_VARIANCE_PRODUCTION_CASING_20250826122149.pdf

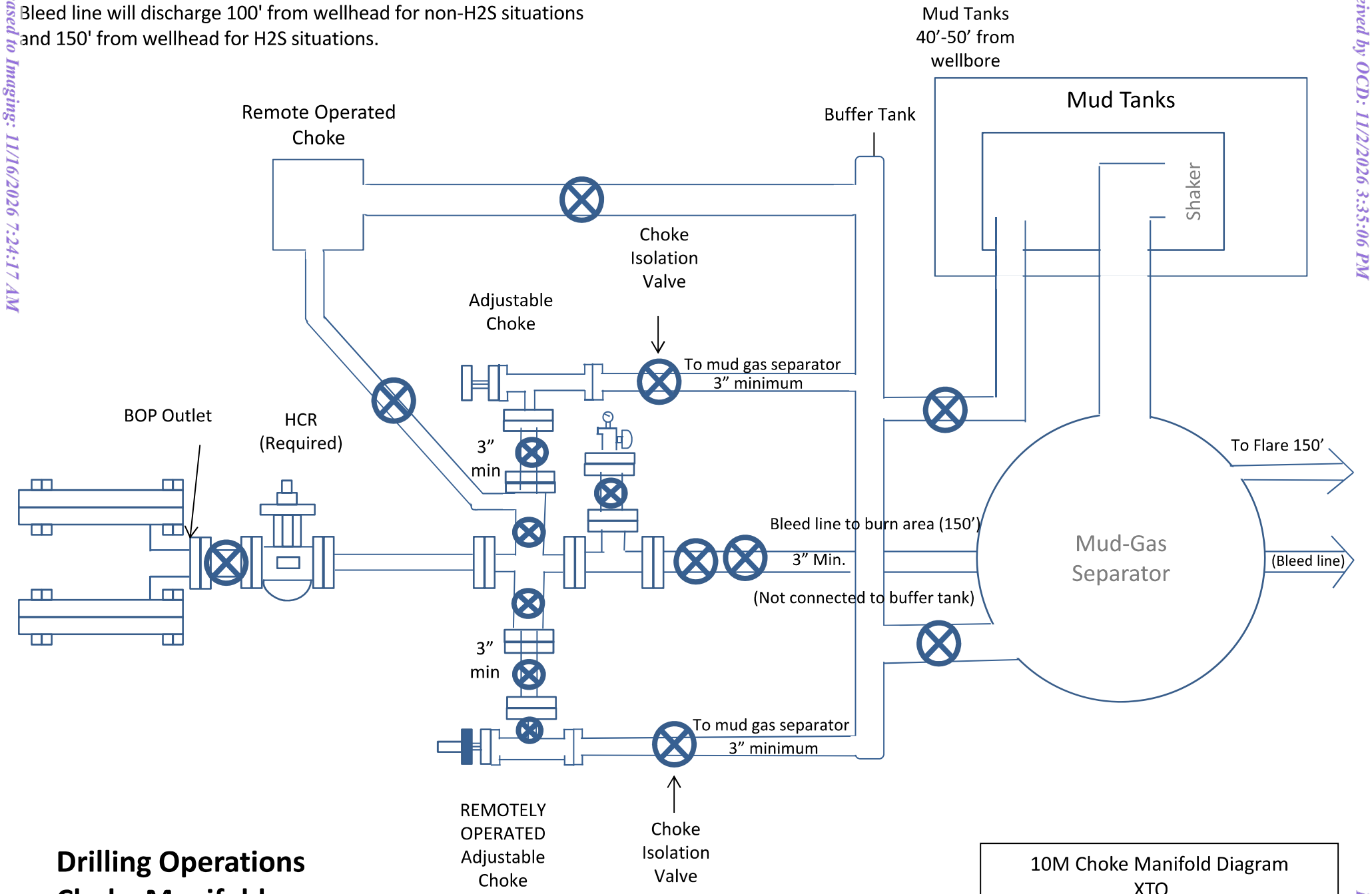
POKER_LAKE_UNIT_19_DTD_OFFLINE_CEMENTING_VARIANCE_SURFACE_AND_INTERMEDIATE_CASING_20250826122141.pdf

POKER_LAKE_UNIT_19_DTD_SPUDDER_RIG_VARIANCE_20250826122140.pdf

CONFIDENTIAL

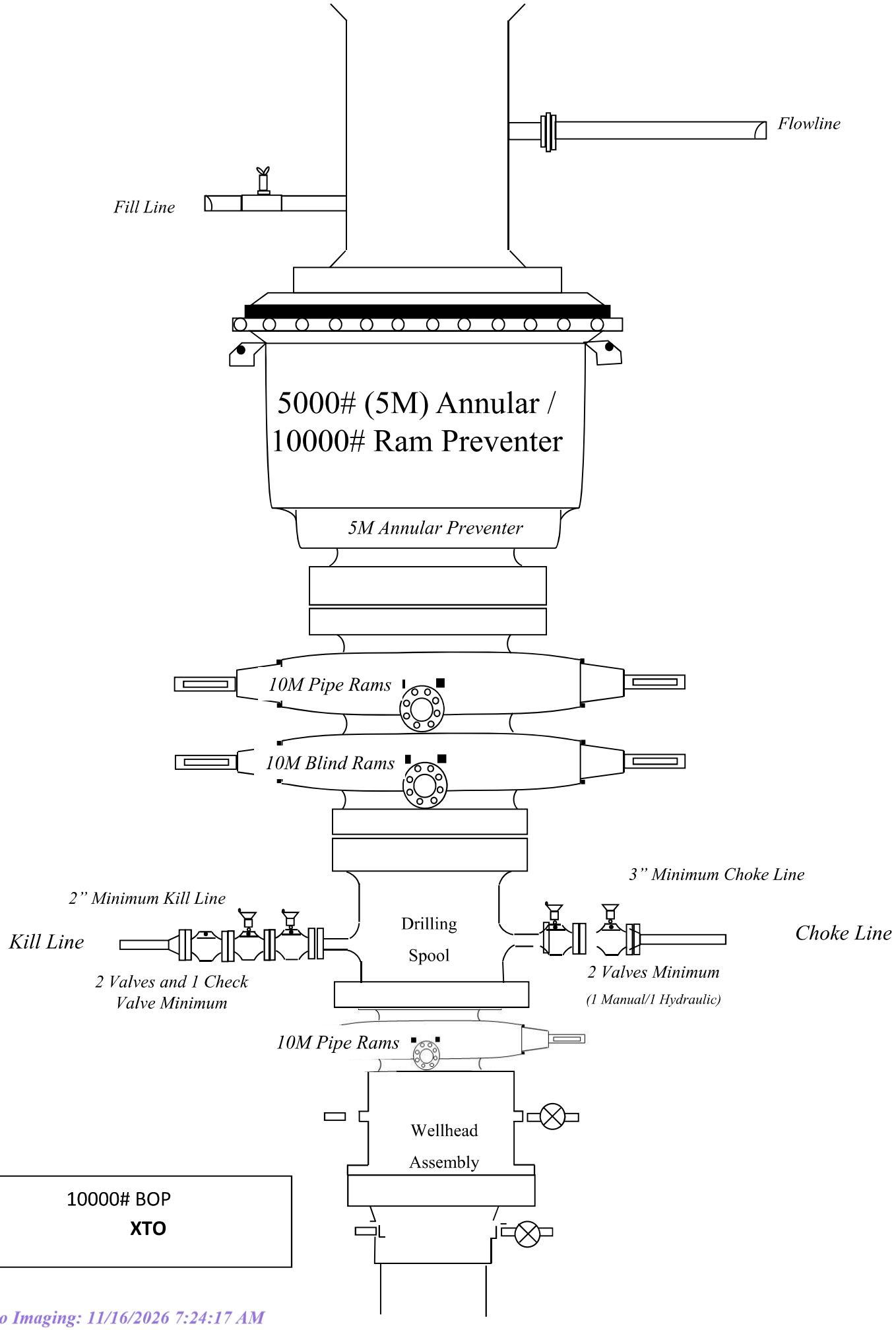
Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

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



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO



10000# BOP

XTO

Tenaris

TenarisHydril Wedge 441®



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

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

Pipe Body Data

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

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5.852 in.	**Tension Efficiency**	81.50 %	**Minimum**	15,000 ft-lb
Coupling Length	8.714 in.	**Joint Yield Strength**	594 x1000 lb	**Optimum**	16,000 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	14,360 psi	**Maximum**	19,200 ft-lb
Make-up Loss	3.780 in.	**Compression Efficiency**	81.50 %		
Threads per inch	3.40	**Compression Strength**	594 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	84.76 °/100 ft	**Operating Torque**	36,000 ft-lb
		External Pressure Capacity	12,300 psi	**Yield Torque**	42,000 ft-lb
				Buck-On	
				Minimum	19,200 ft-lb
				Maximum	20,700 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2025. All rights reserved.

See drilling plan for the required casing assumptions table

See drilling plan for the required casing assumptions table

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

Long Lead_Well Planning

PLU 19 DTD
Poker Lake Unit 19 DTD 426H
Poker Lake Unit 19 DTD 426H

OH

Plan: Plan 1

Standard Planning Report

04 August, 2025

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project PLU 19 DTD

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

Site Poker Lake Unit 19 DTD 426H

Site Position:		**Northing:**	440,260.80 usft	**Latitude:**	32° 12' 34.932 N
From:	Map	**Easting:**	629,263.90 usft	**Longitude:**	103° 54' 55.417 W
Position Uncertainty:	3.0 usft	**Slot Radius:**	13-3/16 "		

Well Poker Lake Unit 19 DTD 426H

Well Position	**+N/-S**	0.0 usft	**Northing:**	440,260.80 usft	**Latitude:**	32° 12' 34.932 N
	+E/-W	0.0 usft	**Easting:**	629,263.90 usft	**Longitude:**	103° 54' 55.417 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,176.0 usft
Grid Convergence:		0.22 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/1/2025	6.22	59.70	47,023.07025535

Design Plan 1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.80

Plan Survey Tool Program **Date** 8/1/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	28,121.9	Plan 1 (OH)	XOM_R2OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-St	

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,192.1	1.84	255.10	1,192.1	-0.4	-1.4	2.00	2.00	0.00	255.10	
5,852.3	1.84	255.10	5,849.9	-38.9	-146.2	0.00	0.00	0.00	0.00	
5,944.4	0.00	0.00	5,942.0	-39.3	-147.7	2.00	-2.00	0.00	180.00	
8,974.2	0.00	0.00	8,971.8	-39.3	-147.7	0.00	0.00	0.00	0.00	
10,099.2	90.00	359.80	9,688.0	676.9	-150.2	8.00	8.00	0.00	359.80	FTP_426H
28,031.9	90.00	359.80	9,688.0	18,609.4	-213.8	0.00	0.00	0.00	0.00	LTP_426H
28,121.9	90.00	359.80	9,688.0	18,699.4	-214.1	0.00	0.00	0.00	0.00	BHL_426H

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SHL_426H									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
580.0	0.00	0.00	580.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
852.0	0.00	0.00	852.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,192.1	1.84	255.10	1,192.1	-0.4	-1.4	-0.4	2.00	2.00	0.00
1,200.0	1.84	255.10	1,200.0	-0.4	-1.7	-0.4	0.00	0.00	0.00
1,300.0	1.84	255.10	1,299.9	-1.3	-4.8	-1.3	0.00	0.00	0.00
1,400.0	1.84	255.10	1,399.9	-2.1	-7.9	-2.1	0.00	0.00	0.00
1,500.0	1.84	255.10	1,499.8	-2.9	-11.0	-2.9	0.00	0.00	0.00
1,600.0	1.84	255.10	1,599.8	-3.8	-14.1	-3.7	0.00	0.00	0.00
1,700.0	1.84	255.10	1,699.7	-4.6	-17.2	-4.5	0.00	0.00	0.00
1,800.0	1.84	255.10	1,799.7	-5.4	-20.3	-5.3	0.00	0.00	0.00
1,900.0	1.84	255.10	1,899.6	-6.2	-23.4	-6.2	0.00	0.00	0.00
2,000.0	1.84	255.10	1,999.6	-7.1	-26.5	-7.0	0.00	0.00	0.00
2,100.0	1.84	255.10	2,099.5	-7.9	-29.6	-7.8	0.00	0.00	0.00
2,200.0	1.84	255.10	2,199.5	-8.7	-32.7	-8.6	0.00	0.00	0.00
2,300.0	1.84	255.10	2,299.4	-9.5	-35.9	-9.4	0.00	0.00	0.00
2,400.0	1.84	255.10	2,399.4	-10.4	-39.0	-10.2	0.00	0.00	0.00
2,500.0	1.84	255.10	2,499.3	-11.2	-42.1	-11.0	0.00	0.00	0.00
2,600.0	1.84	255.10	2,599.3	-12.0	-45.2	-11.9	0.00	0.00	0.00
2,700.0	1.84	255.10	2,699.2	-12.8	-48.3	-12.7	0.00	0.00	0.00
2,800.0	1.84	255.10	2,799.2	-13.7	-51.4	-13.5	0.00	0.00	0.00
2,900.0	1.84	255.10	2,899.1	-14.5	-54.5	-14.3	0.00	0.00	0.00
3,000.0	1.84	255.10	2,999.0	-15.3	-57.6	-15.1	0.00	0.00	0.00
3,100.0	1.84	255.10	3,099.0	-16.2	-60.7	-15.9	0.00	0.00	0.00
3,200.0	1.84	255.10	3,198.9	-17.0	-63.8	-16.8	0.00	0.00	0.00
3,300.0	1.84	255.10	3,298.9	-17.8	-66.9	-17.6	0.00	0.00	0.00
3,400.0	1.84	255.10	3,398.8	-18.6	-70.0	-18.4	0.00	0.00	0.00
3,500.0	1.84	255.10	3,498.8	-19.5	-73.1	-19.2	0.00	0.00	0.00
3,600.0	1.84	255.10	3,598.7	-20.3	-76.2	-20.0	0.00	0.00	0.00
3,610.3	1.84	255.10	3,609.0	-20.4	-76.6	-20.1	0.00	0.00	0.00
Base of Salt									
3,700.0	1.84	255.10	3,698.7	-21.1	-79.4	-20.8	0.00	0.00	0.00
3,800.0	1.84	255.10	3,798.6	-21.9	-82.5	-21.7	0.00	0.00	0.00
3,829.4	1.84	255.10	3,828.0	-22.2	-83.4	-21.9	0.00	0.00	0.00
Delaware									
3,900.0	1.84	255.10	3,898.6	-22.8	-85.6	-22.5	0.00	0.00	0.00
4,000.0	1.84	255.10	3,998.5	-23.6	-88.7	-23.3	0.00	0.00	0.00
4,100.0	1.84	255.10	4,098.5	-24.4	-91.8	-24.1	0.00	0.00	0.00
4,200.0	1.84	255.10	4,198.4	-25.3	-94.9	-24.9	0.00	0.00	0.00
4,300.0	1.84	255.10	4,298.4	-26.1	-98.0	-25.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,400.0	1.84	255.10	4,398.3	-26.9	-101.1	-26.6	0.00	0.00	0.00
4,500.0	1.84	255.10	4,498.3	-27.7	-104.2	-27.4	0.00	0.00	0.00
4,600.0	1.84	255.10	4,598.2	-28.6	-107.3	-28.2	0.00	0.00	0.00
4,700.0	1.84	255.10	4,698.2	-29.4	-110.4	-29.0	0.00	0.00	0.00
4,757.9	1.84	255.10	4,756.0	-29.9	-112.2	-29.5	0.00	0.00	0.00
Cherry Canyon									
4,800.0	1.84	255.10	4,798.1	-30.2	-113.5	-29.8	0.00	0.00	0.00
4,900.0	1.84	255.10	4,898.1	-31.0	-116.6	-30.6	0.00	0.00	0.00
5,000.0	1.84	255.10	4,998.0	-31.9	-119.7	-31.4	0.00	0.00	0.00
5,100.0	1.84	255.10	5,098.0	-32.7	-122.9	-32.3	0.00	0.00	0.00
5,200.0	1.84	255.10	5,197.9	-33.5	-126.0	-33.1	0.00	0.00	0.00
5,300.0	1.84	255.10	5,297.9	-34.3	-129.1	-33.9	0.00	0.00	0.00
5,400.0	1.84	255.10	5,397.8	-35.2	-132.2	-34.7	0.00	0.00	0.00
5,500.0	1.84	255.10	5,497.8	-36.0	-135.3	-35.5	0.00	0.00	0.00
5,600.0	1.84	255.10	5,597.7	-36.8	-138.4	-36.3	0.00	0.00	0.00
5,700.0	1.84	255.10	5,697.7	-37.7	-141.5	-37.2	0.00	0.00	0.00
5,800.0	1.84	255.10	5,797.6	-38.5	-144.6	-38.0	0.00	0.00	0.00
5,852.3	1.84	255.10	5,849.9	-38.9	-146.2	-38.4	0.00	0.00	0.00
5,900.0	0.89	255.10	5,897.6	-39.2	-147.3	-38.7	2.00	-2.00	0.00
5,944.4	0.00	0.00	5,942.0	-39.3	-147.7	-38.8	2.00	-2.00	0.00
Brushy Canyon Upper									
6,000.0	0.00	0.00	5,997.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,097.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,197.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,297.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,325.4	0.00	0.00	6,323.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
Brushy Canyon Lower									
6,400.0	0.00	0.00	6,397.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,497.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,597.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,697.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,797.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,897.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,997.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,097.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,197.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,297.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,375.4	0.00	0.00	7,373.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
Basal Brushy Canyon									
7,400.0	0.00	0.00	7,397.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,497.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,597.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,621.4	0.00	0.00	7,619.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
Bone Spring Lm.									
7,700.0	0.00	0.00	7,697.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,720.4	0.00	0.00	7,718.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
Avalon									
7,800.0	0.00	0.00	7,797.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,897.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,997.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,097.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,197.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,270.4	0.00	0.00	8,268.0	-39.3	-147.7	-38.8	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Lower Avalon									
8,300.0	0.00	0.00	8,297.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,397.4	0.00	0.00	8,395.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
1st Bone Spring Lime									
8,400.0	0.00	0.00	8,397.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,497.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,597.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,611.4	0.00	0.00	8,609.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
1st Bone Spring Sand									
8,700.0	0.00	0.00	8,697.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,797.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,875.4	0.00	0.00	8,873.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
2nd Bone Spring Shale									
8,900.0	0.00	0.00	8,897.6	-39.3	-147.7	-38.8	0.00	0.00	0.00
8,970.4	0.00	0.00	8,968.0	-39.3	-147.7	-38.8	0.00	0.00	0.00
2nd Bone Spring Lime									
8,974.2	0.00	0.00	8,971.8	-39.3	-147.7	-38.8	0.00	0.00	0.00
9,000.0	2.06	359.80	8,997.6	-38.8	-147.7	-38.3	8.00	8.00	0.00
9,050.0	6.06	359.80	9,047.4	-35.3	-147.7	-34.8	8.00	8.00	0.00
9,100.0	10.06	359.80	9,096.9	-28.3	-147.7	-27.8	8.00	8.00	0.00
9,150.0	14.06	359.80	9,145.8	-17.8	-147.7	-17.3	8.00	8.00	0.00
9,200.0	18.06	359.80	9,193.8	-4.0	-147.8	-3.5	8.00	8.00	0.00
9,250.0	22.06	359.80	9,240.8	13.1	-147.8	13.7	8.00	8.00	0.00
9,300.0	26.06	359.80	9,286.4	33.5	-147.9	34.0	8.00	8.00	0.00
9,350.0	30.06	359.80	9,330.6	57.0	-148.0	57.6	8.00	8.00	0.00
9,388.1	33.11	359.80	9,363.0	77.0	-148.1	77.5	8.00	8.00	0.00
2nd Bone Spring Sand									
9,400.0	34.06	359.80	9,372.9	83.6	-148.1	84.1	8.00	8.00	0.00
9,450.0	38.06	359.80	9,413.3	113.0	-148.2	113.5	8.00	8.00	0.00
9,500.0	42.06	359.80	9,451.6	145.2	-148.3	145.7	8.00	8.00	0.00
9,550.0	46.06	359.80	9,487.5	179.9	-148.4	180.5	8.00	8.00	0.00
9,600.0	50.06	359.80	9,520.9	217.1	-148.6	217.6	8.00	8.00	0.00
9,650.0	54.06	359.80	9,551.7	256.5	-148.7	257.1	8.00	8.00	0.00
9,700.0	58.06	359.80	9,579.6	298.0	-148.9	298.5	8.00	8.00	0.00
9,750.0	62.06	359.80	9,604.5	341.3	-149.0	341.9	8.00	8.00	0.00
9,800.0	66.06	359.80	9,626.4	386.3	-149.2	386.8	8.00	8.00	0.00
9,830.0	68.46	359.80	9,638.0	414.0	-149.3	414.5	8.00	8.00	0.00
2nd Bone Spring Mid Carb									
9,850.0	70.06	359.80	9,645.1	432.7	-149.3	433.2	8.00	8.00	0.00
9,900.0	74.06	359.80	9,660.5	480.2	-149.5	480.7	8.00	8.00	0.00
9,950.0	78.06	359.80	9,672.5	528.7	-149.7	529.3	8.00	8.00	0.00
10,000.0	82.06	359.80	9,681.1	578.0	-149.8	578.5	8.00	8.00	0.00
10,050.0	86.06	359.80	9,686.3	627.7	-150.0	628.2	8.00	8.00	0.00
10,099.2	90.00	359.80	9,688.0	676.9	-150.2	677.4	8.00	8.00	0.00
2rd Bone Spring Sand Lower Landing - FTP_426H									
10,200.0	90.00	359.80	9,688.0	777.7	-150.6	778.2	0.00	0.00	0.00
10,300.0	90.00	359.80	9,688.0	877.7	-150.9	878.2	0.00	0.00	0.00
10,400.0	90.00	359.80	9,688.0	977.7	-151.3	978.2	0.00	0.00	0.00
10,500.0	90.00	359.80	9,688.0	1,077.7	-151.6	1,078.2	0.00	0.00	0.00
10,600.0	90.00	359.80	9,688.0	1,177.7	-152.0	1,178.2	0.00	0.00	0.00
10,700.0	90.00	359.80	9,688.0	1,277.7	-152.3	1,278.2	0.00	0.00	0.00
10,800.0	90.00	359.80	9,688.0	1,377.7	-152.7	1,378.2	0.00	0.00	0.00
10,900.0	90.00	359.80	9,688.0	1,477.7	-153.0	1,478.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,000.0	90.00	359.80	9,688.0	1,577.7	-153.4	1,578.2	0.00	0.00	0.00
11,100.0	90.00	359.80	9,688.0	1,677.6	-153.7	1,678.2	0.00	0.00	0.00
11,200.0	90.00	359.80	9,688.0	1,777.6	-154.1	1,778.2	0.00	0.00	0.00
11,300.0	90.00	359.80	9,688.0	1,877.6	-154.5	1,878.2	0.00	0.00	0.00
11,400.0	90.00	359.80	9,688.0	1,977.6	-154.8	1,978.2	0.00	0.00	0.00
11,500.0	90.00	359.80	9,688.0	2,077.6	-155.2	2,078.2	0.00	0.00	0.00
11,600.0	90.00	359.80	9,688.0	2,177.6	-155.5	2,178.2	0.00	0.00	0.00
11,700.0	90.00	359.80	9,688.0	2,277.6	-155.9	2,278.2	0.00	0.00	0.00
11,800.0	90.00	359.80	9,688.0	2,377.6	-156.2	2,378.2	0.00	0.00	0.00
11,900.0	90.00	359.80	9,688.0	2,477.6	-156.6	2,478.2	0.00	0.00	0.00
12,000.0	90.00	359.80	9,688.0	2,577.6	-156.9	2,578.2	0.00	0.00	0.00
12,100.0	90.00	359.80	9,688.0	2,677.6	-157.3	2,678.2	0.00	0.00	0.00
12,200.0	90.00	359.80	9,688.0	2,777.6	-157.7	2,778.2	0.00	0.00	0.00
12,300.0	90.00	359.80	9,688.0	2,877.6	-158.0	2,878.2	0.00	0.00	0.00
12,400.0	90.00	359.80	9,688.0	2,977.6	-158.4	2,978.2	0.00	0.00	0.00
12,500.0	90.00	359.80	9,688.0	3,077.6	-158.7	3,078.2	0.00	0.00	0.00
12,600.0	90.00	359.80	9,688.0	3,177.6	-159.1	3,178.2	0.00	0.00	0.00
12,700.0	90.00	359.80	9,688.0	3,277.6	-159.4	3,278.2	0.00	0.00	0.00
12,800.0	90.00	359.80	9,688.0	3,377.6	-159.8	3,378.2	0.00	0.00	0.00
12,900.0	90.00	359.80	9,688.0	3,477.6	-160.1	3,478.2	0.00	0.00	0.00
13,000.0	90.00	359.80	9,688.0	3,577.6	-160.5	3,578.2	0.00	0.00	0.00
13,100.0	90.00	359.80	9,688.0	3,677.6	-160.8	3,678.2	0.00	0.00	0.00
13,200.0	90.00	359.80	9,688.0	3,777.6	-161.2	3,778.2	0.00	0.00	0.00
13,300.0	90.00	359.80	9,688.0	3,877.6	-161.6	3,878.2	0.00	0.00	0.00
13,400.0	90.00	359.80	9,688.0	3,977.6	-161.9	3,978.2	0.00	0.00	0.00
13,500.0	90.00	359.80	9,688.0	4,077.6	-162.3	4,078.2	0.00	0.00	0.00
13,600.0	90.00	359.80	9,688.0	4,177.6	-162.6	4,178.2	0.00	0.00	0.00
13,700.0	90.00	359.80	9,688.0	4,277.6	-163.0	4,278.2	0.00	0.00	0.00
13,800.0	90.00	359.80	9,688.0	4,377.6	-163.3	4,378.2	0.00	0.00	0.00
13,900.0	90.00	359.80	9,688.0	4,477.6	-163.7	4,478.2	0.00	0.00	0.00
14,000.0	90.00	359.80	9,688.0	4,577.6	-164.0	4,578.2	0.00	0.00	0.00
14,100.0	90.00	359.80	9,688.0	4,677.6	-164.4	4,678.2	0.00	0.00	0.00
14,200.0	90.00	359.80	9,688.0	4,777.6	-164.7	4,778.2	0.00	0.00	0.00
14,300.0	90.00	359.80	9,688.0	4,877.6	-165.1	4,878.2	0.00	0.00	0.00
14,400.0	90.00	359.80	9,688.0	4,977.6	-165.5	4,978.2	0.00	0.00	0.00
14,500.0	90.00	359.80	9,688.0	5,077.6	-165.8	5,078.2	0.00	0.00	0.00
14,600.0	90.00	359.80	9,688.0	5,177.6	-166.2	5,178.2	0.00	0.00	0.00
14,700.0	90.00	359.80	9,688.0	5,277.6	-166.5	5,278.2	0.00	0.00	0.00
14,800.0	90.00	359.80	9,688.0	5,377.6	-166.9	5,378.2	0.00	0.00	0.00
14,900.0	90.00	359.80	9,688.0	5,477.6	-167.2	5,478.2	0.00	0.00	0.00
15,000.0	90.00	359.80	9,688.0	5,577.6	-167.6	5,578.2	0.00	0.00	0.00
15,100.0	90.00	359.80	9,688.0	5,677.6	-167.9	5,678.2	0.00	0.00	0.00
15,200.0	90.00	359.80	9,688.0	5,777.6	-168.3	5,778.2	0.00	0.00	0.00
15,300.0	90.00	359.80	9,688.0	5,877.6	-168.6	5,878.2	0.00	0.00	0.00
15,400.0	90.00	359.80	9,688.0	5,977.6	-169.0	5,978.2	0.00	0.00	0.00
15,500.0	90.00	359.80	9,688.0	6,077.6	-169.4	6,078.2	0.00	0.00	0.00
15,600.0	90.00	359.80	9,688.0	6,177.6	-169.7	6,178.2	0.00	0.00	0.00
15,700.0	90.00	359.80	9,688.0	6,277.6	-170.1	6,278.2	0.00	0.00	0.00
15,800.0	90.00	359.80	9,688.0	6,377.6	-170.4	6,378.2	0.00	0.00	0.00
15,900.0	90.00	359.80	9,688.0	6,477.6	-170.8	6,478.2	0.00	0.00	0.00
16,000.0	90.00	359.80	9,688.0	6,577.6	-171.1	6,578.2	0.00	0.00	0.00
16,100.0	90.00	359.80	9,688.0	6,677.6	-171.5	6,678.2	0.00	0.00	0.00
16,200.0	90.00	359.80	9,688.0	6,777.6	-171.8	6,778.2	0.00	0.00	0.00
16,300.0	90.00	359.80	9,688.0	6,877.6	-172.2	6,878.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,400.0	90.00	359.80	9,688.0	6,977.6	-172.5	6,978.2	0.00	0.00	0.00
16,500.0	90.00	359.80	9,688.0	7,077.6	-172.9	7,078.2	0.00	0.00	0.00
16,600.0	90.00	359.80	9,688.0	7,177.6	-173.3	7,178.2	0.00	0.00	0.00
16,700.0	90.00	359.80	9,688.0	7,277.6	-173.6	7,278.2	0.00	0.00	0.00
16,800.0	90.00	359.80	9,688.0	7,377.6	-174.0	7,378.2	0.00	0.00	0.00
16,900.0	90.00	359.80	9,688.0	7,477.6	-174.3	7,478.2	0.00	0.00	0.00
17,000.0	90.00	359.80	9,688.0	7,577.6	-174.7	7,578.2	0.00	0.00	0.00
17,100.0	90.00	359.80	9,688.0	7,677.6	-175.0	7,678.2	0.00	0.00	0.00
17,200.0	90.00	359.80	9,688.0	7,777.6	-175.4	7,778.2	0.00	0.00	0.00
17,300.0	90.00	359.80	9,688.0	7,877.6	-175.7	7,878.2	0.00	0.00	0.00
17,400.0	90.00	359.80	9,688.0	7,977.6	-176.1	7,978.2	0.00	0.00	0.00
17,500.0	90.00	359.80	9,688.0	8,077.6	-176.4	8,078.2	0.00	0.00	0.00
17,600.0	90.00	359.80	9,688.0	8,177.6	-176.8	8,178.2	0.00	0.00	0.00
17,700.0	90.00	359.80	9,688.0	8,277.6	-177.2	8,278.2	0.00	0.00	0.00
17,800.0	90.00	359.80	9,688.0	8,377.6	-177.5	8,378.2	0.00	0.00	0.00
17,900.0	90.00	359.80	9,688.0	8,477.6	-177.9	8,478.2	0.00	0.00	0.00
18,000.0	90.00	359.80	9,688.0	8,577.6	-178.2	8,578.2	0.00	0.00	0.00
18,100.0	90.00	359.80	9,688.0	8,677.6	-178.6	8,678.2	0.00	0.00	0.00
18,200.0	90.00	359.80	9,688.0	8,777.6	-178.9	8,778.2	0.00	0.00	0.00
18,300.0	90.00	359.80	9,688.0	8,877.6	-179.3	8,878.2	0.00	0.00	0.00
18,400.0	90.00	359.80	9,688.0	8,977.6	-179.6	8,978.2	0.00	0.00	0.00
18,500.0	90.00	359.80	9,688.0	9,077.6	-180.0	9,078.2	0.00	0.00	0.00
18,600.0	90.00	359.80	9,688.0	9,177.6	-180.3	9,178.2	0.00	0.00	0.00
18,700.0	90.00	359.80	9,688.0	9,277.6	-180.7	9,278.2	0.00	0.00	0.00
18,800.0	90.00	359.80	9,688.0	9,377.6	-181.1	9,378.2	0.00	0.00	0.00
18,900.0	90.00	359.80	9,688.0	9,477.6	-181.4	9,478.2	0.00	0.00	0.00
19,000.0	90.00	359.80	9,688.0	9,577.6	-181.8	9,578.2	0.00	0.00	0.00
19,100.0	90.00	359.80	9,688.0	9,677.6	-182.1	9,678.2	0.00	0.00	0.00
19,200.0	90.00	359.80	9,688.0	9,777.6	-182.5	9,778.2	0.00	0.00	0.00
19,300.0	90.00	359.80	9,688.0	9,877.6	-182.8	9,878.2	0.00	0.00	0.00
19,400.0	90.00	359.80	9,688.0	9,977.6	-183.2	9,978.2	0.00	0.00	0.00
19,500.0	90.00	359.80	9,688.0	10,077.6	-183.5	10,078.2	0.00	0.00	0.00
19,600.0	90.00	359.80	9,688.0	10,177.6	-183.9	10,178.2	0.00	0.00	0.00
19,700.0	90.00	359.80	9,688.0	10,277.6	-184.3	10,278.2	0.00	0.00	0.00
19,800.0	90.00	359.80	9,688.0	10,377.6	-184.6	10,378.2	0.00	0.00	0.00
19,900.0	90.00	359.80	9,688.0	10,477.6	-185.0	10,478.2	0.00	0.00	0.00
20,000.0	90.00	359.80	9,688.0	10,577.6	-185.3	10,578.2	0.00	0.00	0.00
20,100.0	90.00	359.80	9,688.0	10,677.6	-185.7	10,678.2	0.00	0.00	0.00
20,200.0	90.00	359.80	9,688.0	10,777.6	-186.0	10,778.2	0.00	0.00	0.00
20,300.0	90.00	359.80	9,688.0	10,877.6	-186.4	10,878.2	0.00	0.00	0.00
20,400.0	90.00	359.80	9,688.0	10,977.6	-186.7	10,978.2	0.00	0.00	0.00
20,500.0	90.00	359.80	9,688.0	11,077.6	-187.1	11,078.2	0.00	0.00	0.00
20,600.0	90.00	359.80	9,688.0	11,177.6	-187.4	11,178.2	0.00	0.00	0.00
20,700.0	90.00	359.80	9,688.0	11,277.6	-187.8	11,278.2	0.00	0.00	0.00
20,800.0	90.00	359.80	9,688.0	11,377.6	-188.2	11,378.2	0.00	0.00	0.00
20,900.0	90.00	359.80	9,688.0	11,477.6	-188.5	11,478.2	0.00	0.00	0.00
21,000.0	90.00	359.80	9,688.0	11,577.6	-188.9	11,578.2	0.00	0.00	0.00
21,100.0	90.00	359.80	9,688.0	11,677.6	-189.2	11,678.2	0.00	0.00	0.00
21,200.0	90.00	359.80	9,688.0	11,777.6	-189.6	11,778.2	0.00	0.00	0.00
21,300.0	90.00	359.80	9,688.0	11,877.6	-189.9	11,878.2	0.00	0.00	0.00
21,400.0	90.00	359.80	9,688.0	11,977.6	-190.3	11,978.2	0.00	0.00	0.00
21,500.0	90.00	359.80	9,688.0	12,077.6	-190.6	12,078.2	0.00	0.00	0.00
21,600.0	90.00	359.80	9,688.0	12,177.6	-191.0	12,178.2	0.00	0.00	0.00
21,700.0	90.00	359.80	9,688.0	12,277.6	-191.3	12,278.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,800.0	90.00	359.80	9,688.0	12,377.6	-191.7	12,378.2	0.00	0.00	0.00
21,900.0	90.00	359.80	9,688.0	12,477.6	-192.1	12,478.2	0.00	0.00	0.00
22,000.0	90.00	359.80	9,688.0	12,577.6	-192.4	12,578.2	0.00	0.00	0.00
22,100.0	90.00	359.80	9,688.0	12,677.6	-192.8	12,678.2	0.00	0.00	0.00
22,200.0	90.00	359.80	9,688.0	12,777.6	-193.1	12,778.2	0.00	0.00	0.00
22,300.0	90.00	359.80	9,688.0	12,877.6	-193.5	12,878.2	0.00	0.00	0.00
22,400.0	90.00	359.80	9,688.0	12,977.6	-193.8	12,978.2	0.00	0.00	0.00
22,500.0	90.00	359.80	9,688.0	13,077.6	-194.2	13,078.2	0.00	0.00	0.00
22,600.0	90.00	359.80	9,688.0	13,177.6	-194.5	13,178.2	0.00	0.00	0.00
22,700.0	90.00	359.80	9,688.0	13,277.6	-194.9	13,278.2	0.00	0.00	0.00
22,800.0	90.00	359.80	9,688.0	13,377.6	-195.2	13,378.2	0.00	0.00	0.00
22,900.0	90.00	359.80	9,688.0	13,477.6	-195.6	13,478.2	0.00	0.00	0.00
23,000.0	90.00	359.80	9,688.0	13,577.6	-196.0	13,578.2	0.00	0.00	0.00
23,100.0	90.00	359.80	9,688.0	13,677.6	-196.3	13,678.2	0.00	0.00	0.00
23,200.0	90.00	359.80	9,688.0	13,777.6	-196.7	13,778.2	0.00	0.00	0.00
23,300.0	90.00	359.80	9,688.0	13,877.6	-197.0	13,878.2	0.00	0.00	0.00
23,400.0	90.00	359.80	9,688.0	13,977.6	-197.4	13,978.2	0.00	0.00	0.00
23,500.0	90.00	359.80	9,688.0	14,077.6	-197.7	14,078.2	0.00	0.00	0.00
23,600.0	90.00	359.80	9,688.0	14,177.6	-198.1	14,178.2	0.00	0.00	0.00
23,700.0	90.00	359.80	9,688.0	14,277.6	-198.4	14,278.2	0.00	0.00	0.00
23,800.0	90.00	359.80	9,688.0	14,377.6	-198.8	14,378.2	0.00	0.00	0.00
23,900.0	90.00	359.80	9,688.0	14,477.6	-199.1	14,478.2	0.00	0.00	0.00
24,000.0	90.00	359.80	9,688.0	14,577.6	-199.5	14,578.2	0.00	0.00	0.00
24,100.0	90.00	359.80	9,688.0	14,677.6	-199.9	14,678.2	0.00	0.00	0.00
24,200.0	90.00	359.80	9,688.0	14,777.6	-200.2	14,778.2	0.00	0.00	0.00
24,300.0	90.00	359.80	9,688.0	14,877.6	-200.6	14,878.2	0.00	0.00	0.00
24,400.0	90.00	359.80	9,688.0	14,977.6	-200.9	14,978.2	0.00	0.00	0.00
24,500.0	90.00	359.80	9,688.0	15,077.6	-201.3	15,078.2	0.00	0.00	0.00
24,600.0	90.00	359.80	9,688.0	15,177.6	-201.6	15,178.2	0.00	0.00	0.00
24,700.0	90.00	359.80	9,688.0	15,277.6	-202.0	15,278.2	0.00	0.00	0.00
24,800.0	90.00	359.80	9,688.0	15,377.6	-202.3	15,378.2	0.00	0.00	0.00
24,900.0	90.00	359.80	9,688.0	15,477.6	-202.7	15,478.2	0.00	0.00	0.00
25,000.0	90.00	359.80	9,688.0	15,577.6	-203.0	15,578.2	0.00	0.00	0.00
25,100.0	90.00	359.80	9,688.0	15,677.6	-203.4	15,678.2	0.00	0.00	0.00
25,200.0	90.00	359.80	9,688.0	15,777.6	-203.8	15,778.2	0.00	0.00	0.00
25,300.0	90.00	359.80	9,688.0	15,877.6	-204.1	15,878.2	0.00	0.00	0.00
25,400.0	90.00	359.80	9,688.0	15,977.6	-204.5	15,978.2	0.00	0.00	0.00
25,500.0	90.00	359.80	9,688.0	16,077.6	-204.8	16,078.2	0.00	0.00	0.00
25,600.0	90.00	359.80	9,688.0	16,177.6	-205.2	16,178.2	0.00	0.00	0.00
25,700.0	90.00	359.80	9,688.0	16,277.6	-205.5	16,278.2	0.00	0.00	0.00
25,800.0	90.00	359.80	9,688.0	16,377.6	-205.9	16,378.2	0.00	0.00	0.00
25,900.0	90.00	359.80	9,688.0	16,477.6	-206.2	16,478.2	0.00	0.00	0.00
26,000.0	90.00	359.80	9,688.0	16,577.6	-206.6	16,578.2	0.00	0.00	0.00
26,100.0	90.00	359.80	9,688.0	16,677.6	-206.9	16,678.2	0.00	0.00	0.00
26,200.0	90.00	359.80	9,688.0	16,777.6	-207.3	16,778.2	0.00	0.00	0.00
26,300.0	90.00	359.80	9,688.0	16,877.6	-207.7	16,878.2	0.00	0.00	0.00
26,400.0	90.00	359.80	9,688.0	16,977.6	-208.0	16,978.2	0.00	0.00	0.00
26,500.0	90.00	359.80	9,688.0	17,077.6	-208.4	17,078.2	0.00	0.00	0.00
26,600.0	90.00	359.80	9,688.0	17,177.6	-208.7	17,178.2	0.00	0.00	0.00
26,700.0	90.00	359.80	9,688.0	17,277.6	-209.1	17,278.2	0.00	0.00	0.00
26,800.0	90.00	359.80	9,688.0	17,377.6	-209.4	17,378.2	0.00	0.00	0.00
26,900.0	90.00	359.80	9,688.0	17,477.6	-209.8	17,478.2	0.00	0.00	0.00
27,000.0	90.00	359.80	9,688.0	17,577.5	-210.1	17,578.2	0.00	0.00	0.00
27,100.0	90.00	359.80	9,688.0	17,677.5	-210.5	17,678.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
27,200.0	90.00	359.80	9,688.0	17,777.5	-210.8	17,778.2	0.00	0.00	0.00
27,300.0	90.00	359.80	9,688.0	17,877.5	-211.2	17,878.2	0.00	0.00	0.00
27,400.0	90.00	359.80	9,688.0	17,977.5	-211.6	17,978.2	0.00	0.00	0.00
27,500.0	90.00	359.80	9,688.0	18,077.5	-211.9	18,078.2	0.00	0.00	0.00
27,600.0	90.00	359.80	9,688.0	18,177.5	-212.3	18,178.2	0.00	0.00	0.00
27,700.0	90.00	359.80	9,688.0	18,277.5	-212.6	18,278.2	0.00	0.00	0.00
27,800.0	90.00	359.80	9,688.0	18,377.5	-213.0	18,378.2	0.00	0.00	0.00
27,900.0	90.00	359.80	9,688.0	18,477.5	-213.3	18,478.2	0.00	0.00	0.00
28,000.0	90.00	359.80	9,688.0	18,577.5	-213.7	18,578.2	0.00	0.00	0.00
28,031.9	90.00	359.80	9,688.0	18,609.4	-213.8	18,610.0	0.00	0.00	0.00
LTP_426H									
28,100.0	90.00	359.80	9,688.0	18,677.5	-214.0	18,678.2	0.00	0.00	0.00
28,121.9	90.00	359.80	9,688.0	18,699.4	-214.1	18,700.0	0.00	0.00	0.00
BHL_426H									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL_426H - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	440,260.80	629,263.90	32° 12' 34.932 N	103° 54' 55.417 W
FTP_426H - plan hits target center - Point	0.00	0.00	9,688.0	676.9	-150.2	440,937.70	629,113.70	32° 12' 41.636 N	103° 54' 57.134 W
BHL_426H - plan misses target center by 0.4usft at 28121.9usft MD (9688.0 TVD, 18699.4 N, -214.1 E) - Point	0.00	0.00	9,688.0	18,699.4	-214.5	458,960.20	629,049.40	32° 15' 39.991 N	103° 54' 57.067 W
LTP_426H - plan hits target center - Point	0.00	0.00	9,688.0	18,609.4	-213.8	458,870.20	629,050.10	32° 15' 39.100 N	103° 54' 57.063 W

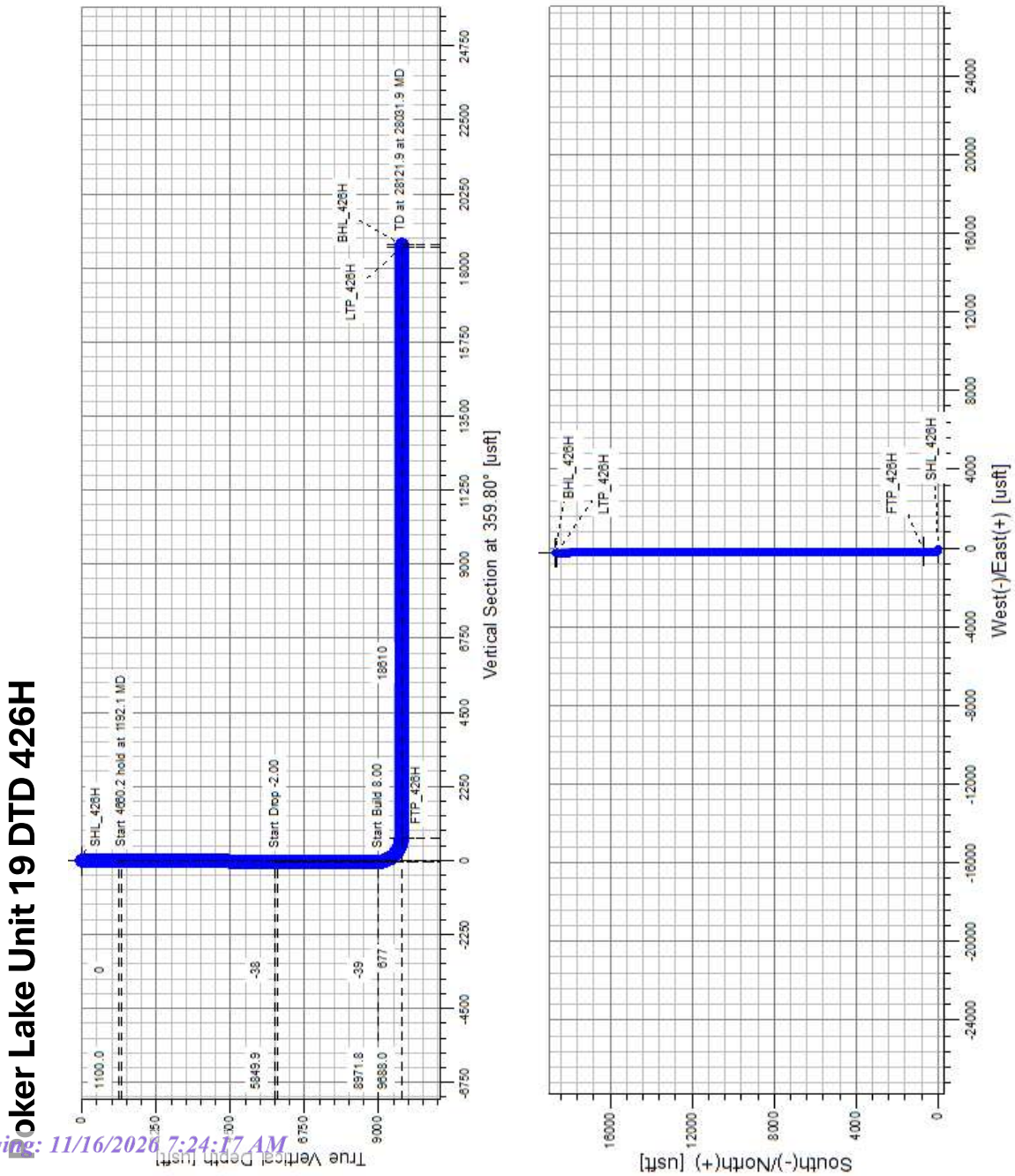
Planning Report

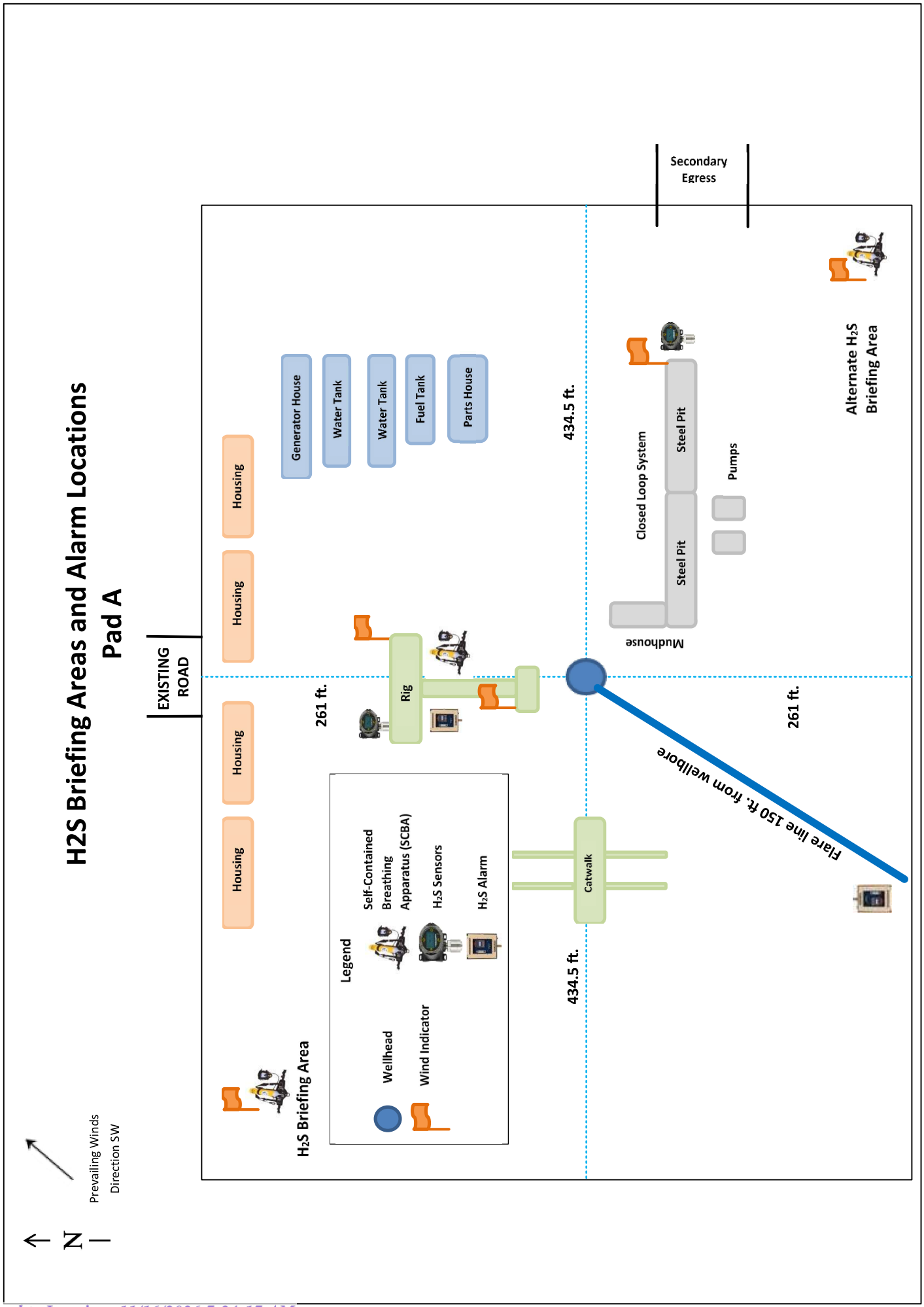
Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3208.0usft
Project:	PLU 19 DTD	**MD Reference:**	RKB (+32) @ 3208.0usft
Site:	Poker Lake Unit 19 DTD 426H	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

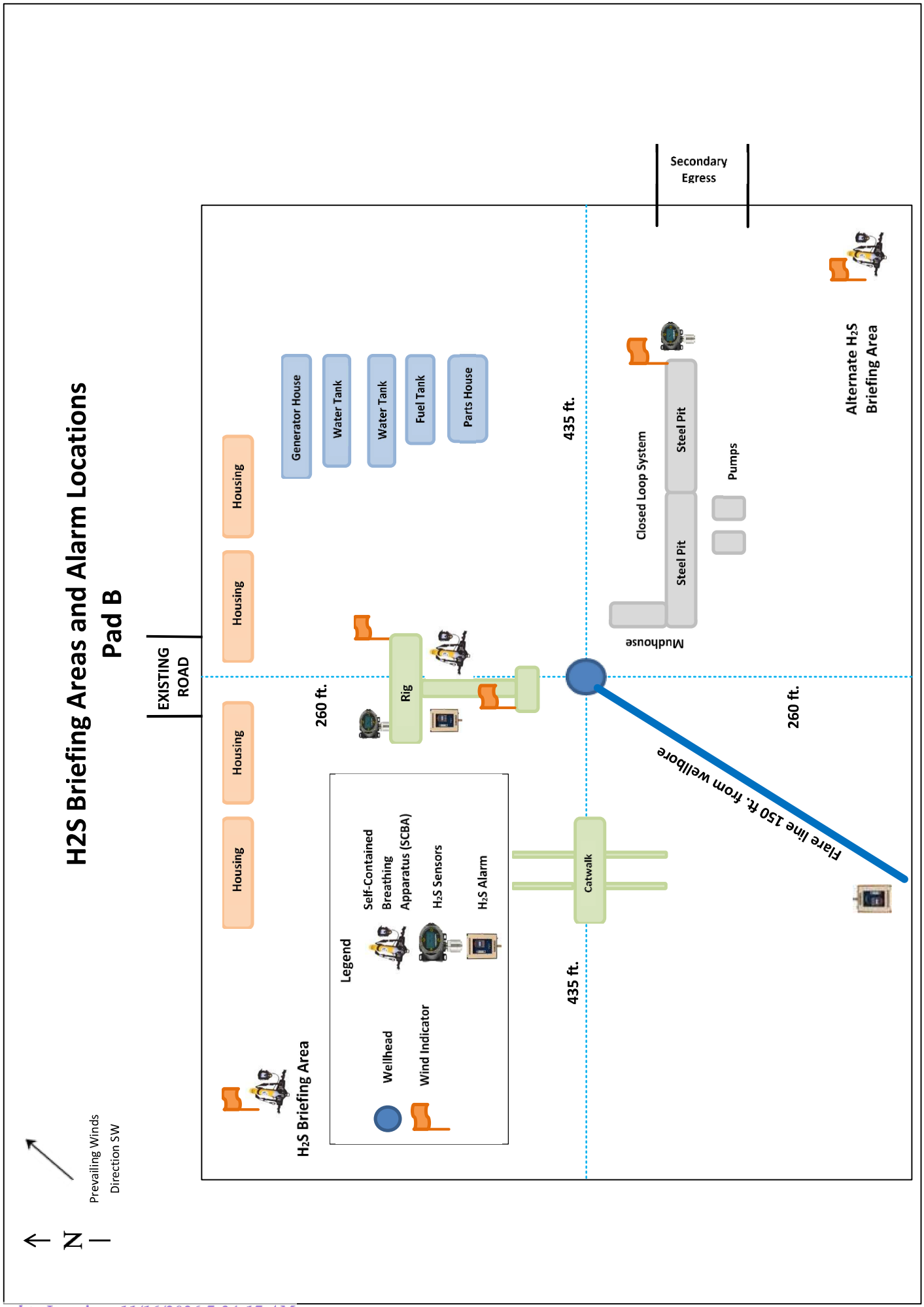
Formations

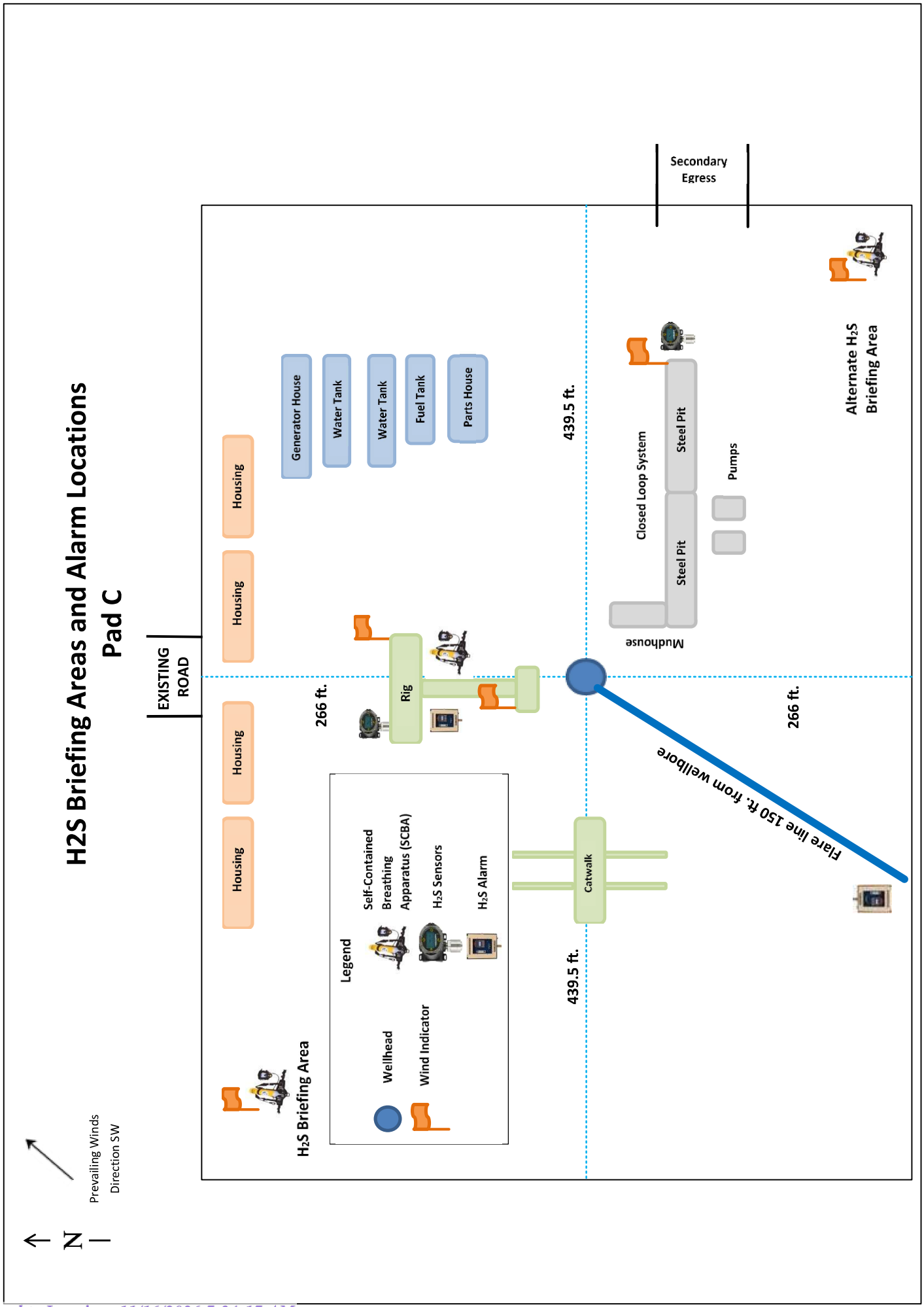
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
580.0	580.0	Rustler			
852.0	852.0	Salado			
3,610.3	3,609.0	Base of Salt			
3,829.4	3,828.0	Delaware			
4,757.9	4,756.0	Cherry Canyon			
5,944.4	5,942.0	Brushy Canyon Upper			
6,325.4	6,323.0	Brushy Canyon Lower			
7,375.4	7,373.0	Basal Brushy Canyon			
7,621.4	7,619.0	Bone Spring Lm.			
7,720.4	7,718.0	Avalon			
8,270.4	8,268.0	Lower Avalon			
8,397.4	8,395.0	1st Bone Spring Lime			
8,611.4	8,609.0	1st Bone Spring Sand			
8,875.4	8,873.0	2nd Bone Spring Shale			
8,970.4	8,968.0	2nd Bone Spring Lime			
9,388.1	9,363.0	2nd Bone Spring Sand			
9,830.0	9,638.0	2nd Bone Spring Mid Carb			
10,099.2	9,688.0	2rd Bone Spring Sand Lower Landing			

Formation	TVDSS (feet)	TVD (feet)
Rustler	2,981'	580'
Salado	2,709'	852'
Base of Salt	-48'	3,609'
Delaware	-267'	3,828'
Cherry Canyon	-1,195'	4,756'
Brushy Canyon Upper	-2,381'	5,942'
Brushy Canyon Lower	-2,762'	6,323'
Basal Brushy Canyon	-3,812'	7,373'
Bone Spring Lm.	-4,058'	7,619'
Avalon	-4,157'	7,718'
Lower Avalon	-4,707'	8,268'
1st Bone Spring Lime	-4,834'	8,395'
1st Bone Spring Sand	-5,048'	8,609'
2nd Bone Spring Shale	-5,312'	8,873'
2nd Bone Spring Lime	-5,407'	8,968'
2nd Bone Spring Sand	-5,802'	9,363'
2nd Bone Spring Mid Carb	-6,077'	9,638'
2rd Bone Spring Sand Lower Landing	-6,127'	9,688'
3rd Bone Spring Lime	-6,171'	9,732'
Harkey	-6,537'	10,098'

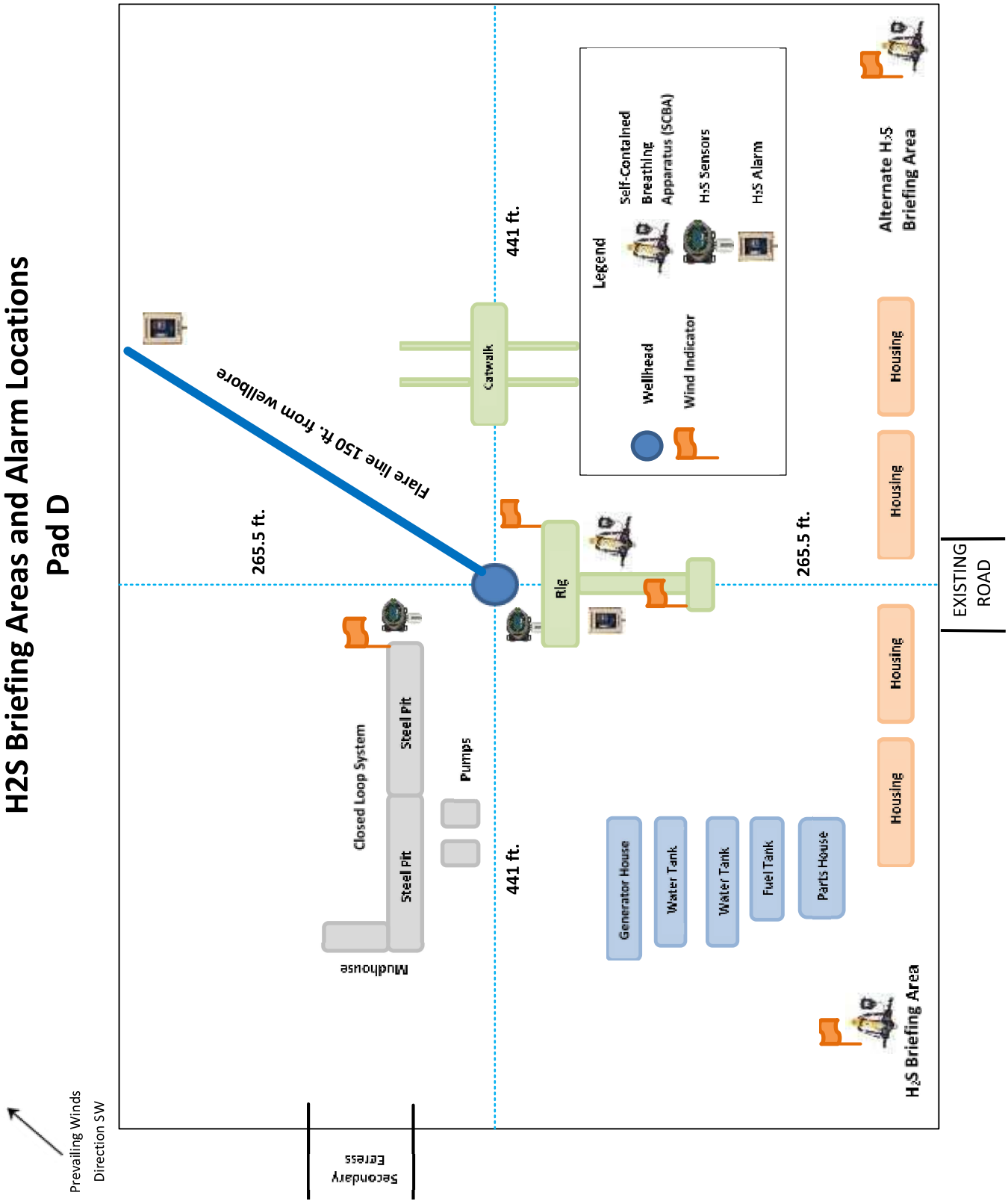



H2S Briefing Areas and Alarm Locations
Pad A
N
Prevailing Winds
Direction SW
EXISTING ROAD
Housing
Housing
Housing
Housing
Generator House
Water Tank
Water Tank
Fuel Tank
Parts House
261 ft.
Rig
434.5 ft.
Mudhouse
Closed Loop System
Steel Pit
Steel Pit
Pumps
Secondary Egress
Alternate H2S Briefing Area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


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


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

H2S Briefing Areas and Alarm Locations
Pad D



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

ExxonMobil
Poker Lake Unit 19 DTD - 426H
Projected TD: 28122' MD / 9688' TVD
SHL: 179' FNL & 1136' FEL , Section 19, T24S, R30E
BHL: 2642' FSL & 1284' FEL , Section 31, T23S, 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	580'	Water
Salado	852'	Water
Base of Salt	3609'	Water
Delaware	3828'	Water
Cherry Canyon	4756'	Water/Oil/Gas
Brushy Canyon Upper	5942'	Water/Oil/Gas
Brushy Canyon Lower	6323'	Water/Oil/Gas
Basal Brushy Canyon	7373'	Water/Oil/Gas
Bone Spring Lm.	7619'	Water/Oil/Gas
Avalon	7718'	Water/Oil/Gas
Lower Avalon	8268'	Water/Oil/Gas
1st Bone Spring Lime	8395'	Water/Oil/Gas
1st Bone Spring Sand	8609'	Water/Oil/Gas
2nd Bone Spring Shale	8873'	Water/Oil/Gas
2nd Bone Spring Lime	8968'	Water/Oil/Gas
2nd Bone Spring Sand	9363'	Water/Oil/Gas
2nd Bone Spring Mid Carb	9638'	Water/Oil/Gas
rd Bone Spring Sand Lower Landin	9688'	Water/Oil/Gas
3rd Bone Spring Lime	9732'	Water/Oil/Gas
Harkey	10098'	Water/Oil/Gas

Section 2 Summary:

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13-3/8" inch casing at 827' and circulating cement back to surface.

3. Primary Casing Design

Primary Design:

Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5"	0' – 827'	827'	13-3/8"	54.5	J55	BTC	New	10.80	6.31	6.13
12.25"	0' – 4000'	3999'	9-5/8"	40	L80-IC	BTC	New	3.11	4.47	2.30
12.25"	4000' – 8824'	8822'	9-5/8"	40	L80-IC	BTC	New	2.76	3.71	2.30
8.75 / 8.5"	0' – 28122'	9688'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	2.93	2.85

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 8974' MD / 8972' TVD.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String Big Non-Potash

Wellhead will be installed by manufacturer's representatives.

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

4. Cement Program

Primary Cementing								
Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	347	12.4	2.11	0	827	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	313	14.8	1.33	527	827	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	841	14.8	1.45	5942	8,824	35%	Intermediate 1 Class C Tail Cement
Production 1 Late	Lead							
Production 1 Late	Tail	4341	13.2	1.44	8324	28,122	25%	Production 1 Lateral Class C Tail Cem

Breadenhead Cementing							
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead Squeeze	1733	14.8	1.45	0 - 5942'	35%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline

5. Pressure Control Equipment

Section 5 Summary:

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

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

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

Requested Variances

4A) Offline Cementing Variance
XOM requests the option to perform offline cement and bradenhead jobs (if needed) SURFACE, INTERMEDIATE, and PRODUCTION casing strings where batch drilling is approved. XOM will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance
A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure is less than 4800psi and the deepest intermediate casing point does not penetrate the Wolfcamp Formation.

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

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

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 827'	17.5"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
827' – 8824'	12.25"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
8824' – 28122'	8.75 / 8.5"	OBM	9 - 9.6	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

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

Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

Section 7 Summary:

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 13-3/8" casing.

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

The estimated bottom hole temperature of 162F to 182F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

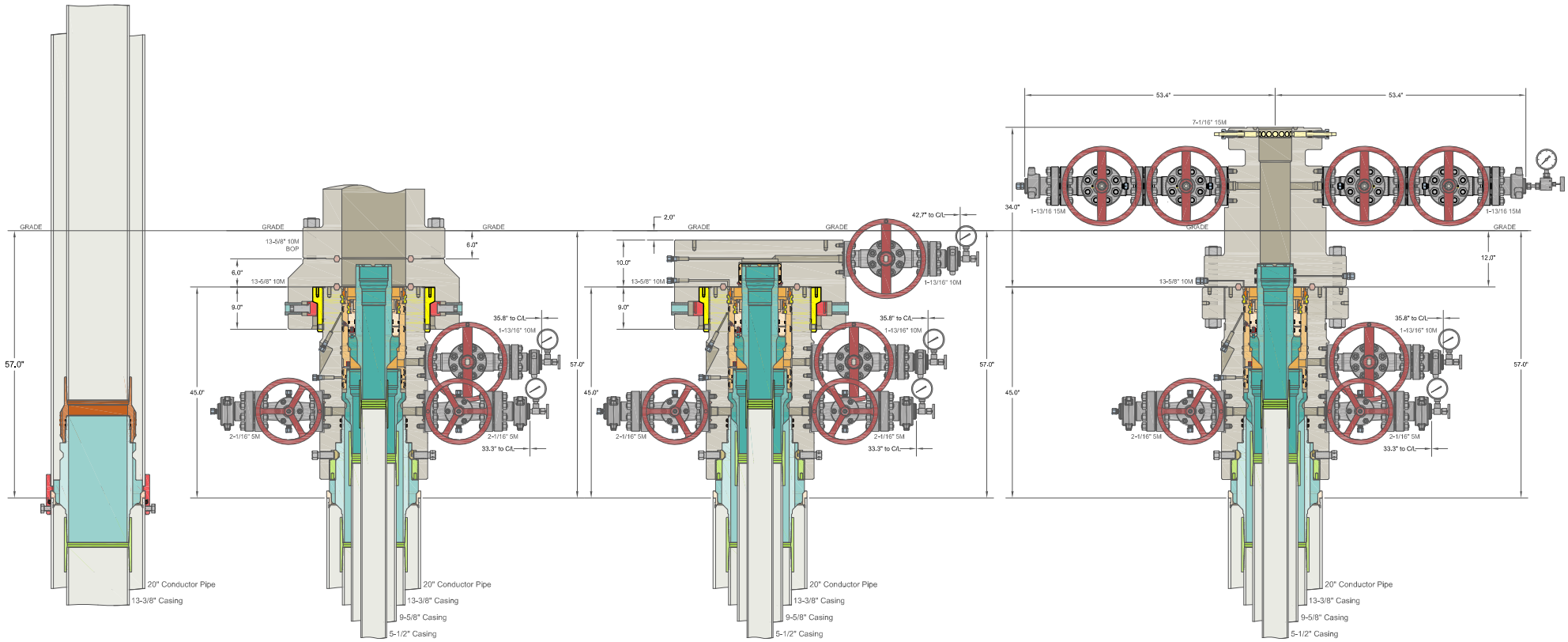
10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

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

Released to Imaging: 11/16/2026 7:24:17 AM

Received by OCD: 11/2/2026 3:35:06 PM



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

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

DRAWN	VJK	31MAR2
APPRV		
DRAWING NO.	SDT-2856	

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:** 8/20/2025

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	ULST R	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 19 DTD 103H	TBD	19 T24S R30E	1211 FNL, 339 FWL	2,300	250	3,750	1,000	4,500	500
POKER LAKE UNIT 19 DTD 202H	TBD	19 T24S R30E	1182 FNL, 1883 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 303H	TBD	19 T24S R30E	1103 FNL, 2441 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 402H	TBD	19 T24S R30E	84 FNL, 1136 FEL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 105H	TBD	19 T24S R30E	1211 FNL, 369 FWL	2,300	250	3,750	1,000	4,500	500

POKER LAKE UNIT 19 DTD 226H	TBD		1277 FNL, 1883 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 229H	TBD	19 T24S R30E	1278 FNL, 1943 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 305H	TBD	19 T24S R30E	1103 FNL, 2471 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 426H	TBD	19 T24S R30E	179 FNL, 1136 FEL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 429H	TBD	19 T24S R30E	180 FNL, 1076 FEL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 106H	TBD	19 T24S R30E	1212 FNL, 399 FWL	2,300	250	3,750	1,000	4,500	500
POKER LAKE UNIT 19 DTD 228H	TBD	19 T24S R30E	1277 FNL, 1913 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 306H	TBD	19 T24S R30E	1103 FNL, 2501 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 428H	TBD	19 T24S R30E	179 FNL, 1106 FEL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 101H	TBD	19 T24S R30E	1211 FNL, 309 FWL	2,300	250	3,750	1,000	4,500	500
POKER LAKE UNIT 19 DTD 201H	TBD	19 T24S R30E	1182 FNL, 1853 FWL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT	TBD	19 T24S R30E	1103 FNL,	2,600	300	4,500	1,200	5,250	600

19 DTD 301H			2411 FWL						
POKER LAKE UNIT 19 DTD 401H	TBD	19 T24S R30E	84 FNL, 1166 FEL	2,600	300	4,500	1,200	5,250	600
POKER LAKE UNIT 19 DTD 115H	TBD	19 T24S R30E	1306 FNL, 309 FWL	2,100	250	9,000	1,400	8,500	950
POKER LAKE UNIT 19 DTD 118H	TBD	19 T24S R30E	1307 FNL, 399 FWL	2,100	250	9,000	1,400	8,500	950
POKER LAKE UNIT 19 DTD 211H	TBD	19 T24S R30E	1274 FNL, 1423 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 315H	TBD	19 T24S R30E	1198 FNL, 2411 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 318H	TBD	19 T24S R30E	1198 FNL, 2501 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 417H	TBD	19 T24S R30E	177 FNL, 1596 FEL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 116H	TBD	19 T24S R30E	1306 FNL, 339 FWL	2,100	250	9,000	1,400	8,500	950
POKER LAKE UNIT 19 DTD 212H	TBD	19 T24S R30E	1275 FNL, 1453 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 415H	TBD	19 T24S R30E	176 FNL, 1656 FEL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 209H	TBD	19 T24S R30E	1274 FNL, 1363 FWL	2,500	300	10,500	1,600	9,750	1,100

POKER LAKE UNIT 19 DTD 316H	TBD	19 T24S R30E	1198 FNL, 2441 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 418H	TBD	19 T24S R30E	177 FNL, 1566 FEL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 117H	TBD	19 T24S R30E	1306 FNL, 369 FWL	2,100	250	9,000	1,400	8,500	950
POKER LAKE UNIT 19 DTD 210H	TBD	19 T24S R30E	1274 FNL, 1393 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 225H	TBD	19 T24S R30E	1277 FNL, 1853 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 317H	TBD	19 T24S R30E	1198 FNL, 2471 FWL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 416H	TBD	19 T24S R30E	176 FNL, 1626 FEL	2,500	300	10,500	1,600	9,750	1,100
POKER LAKE UNIT 19 DTD 425H	TBD	19 T24S R30E	179 FNL, 1166 FEL	2,500	300	10,500	1,600	9,750	1,100

IV. Central Delivery Point Name: PLU 19 DTD Battery [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 19 DTD 103H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 202H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 303H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 402H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 105H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 226H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 229H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 305H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 426H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 429H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 106H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 228H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 306H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 428H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 101H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 201H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 301H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 401H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 115H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 118H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 211H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 315H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027

POKER LAKE UNIT 19 DTD 318H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 417H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 116H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 212H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 415H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 209H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 316H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 418H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 117H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 210H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 225H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 317H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 416H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027
POKER LAKE UNIT 19 DTD 425H	TBD	Dec-2026	TBD	July-2027	TBD	Sept-2027

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 the 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: Samantha Weis
Printed Name: Samantha Weis
Title: Permitting Advisor
E-mail Address: samantha.r.bartnik@exxonmobil.com
Date: 8/20/2025
Phone: 346-831-4000

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

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.

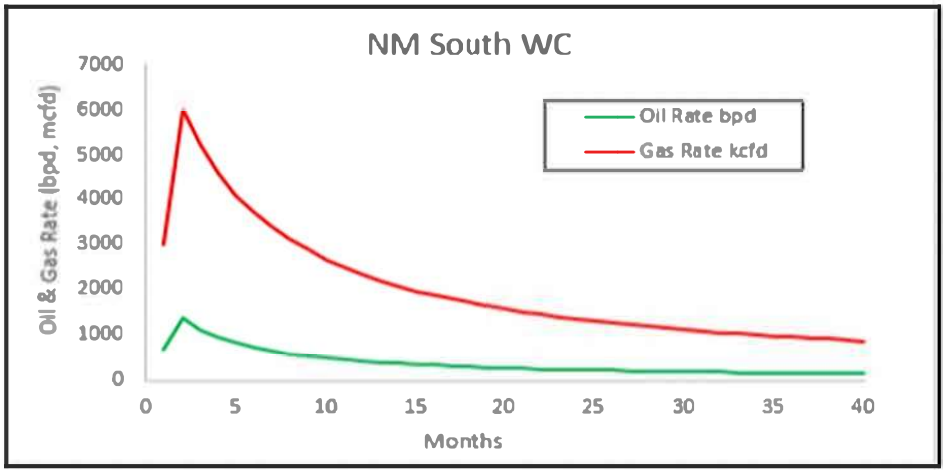
- During completions operations, XTO will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically infeasible, flares will be used to control flow back fluids entering into frac tanks during initial flowback. Upon indication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

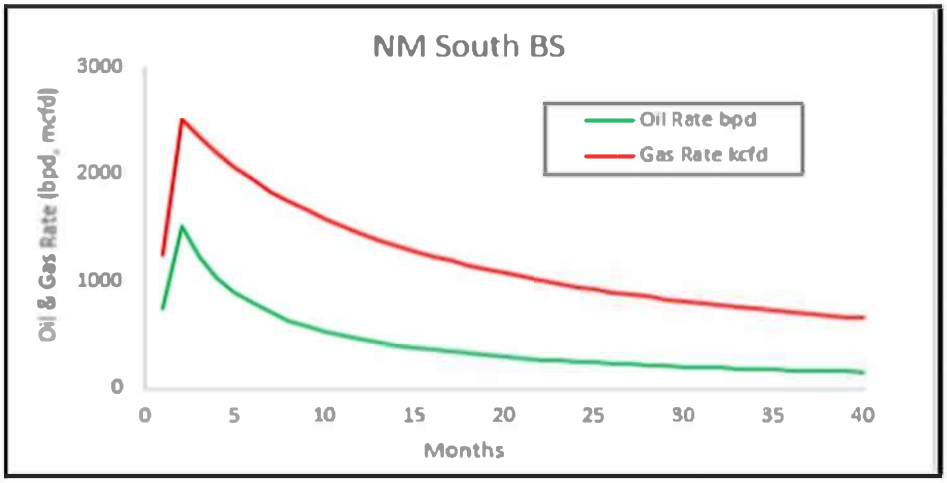
- During production operations, XTO Permian Operating LLC will take every practical e ort to minimize waste of natural gas through venting and flaring by:

  - 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.


NM South WC
Oil & Gas Rate (bpd, mcfd)
7000
6000
5000
4000
3000
2000
1000
0
0
5
10
15
20
25
30
35
40
Months
Oil Rate bpd
Gas Rate kcfd


NM South BS
Oil & Gas Rate (bpd, mcfd)
3000
2000
1000
0
0
5
10
15
20
25
30
35
40
Months
Oil Rate bpd
Gas Rate kcfd

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

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack

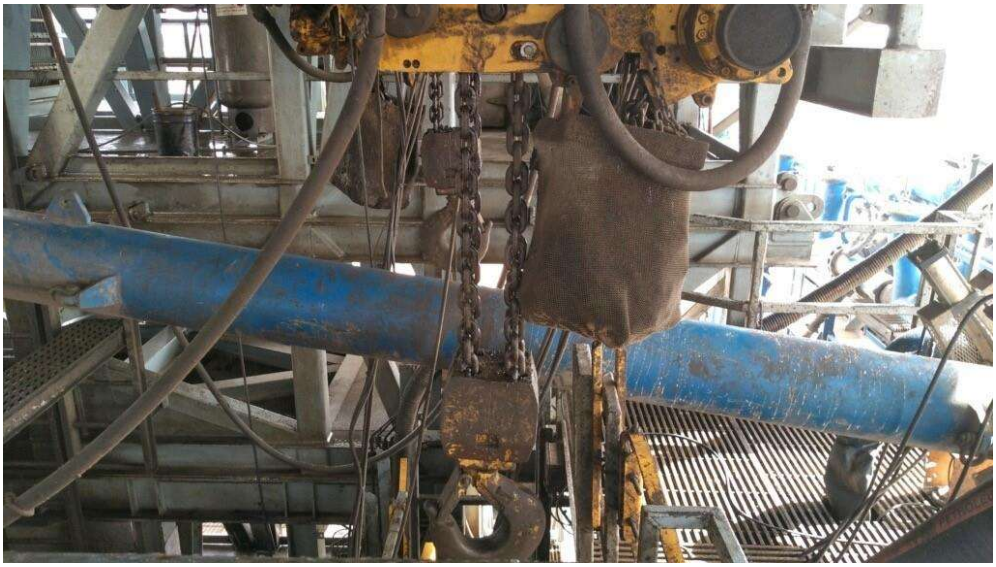


Figure 2: BOP Winch System

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

62 API STANDARD 53

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

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

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

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

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

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

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

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

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

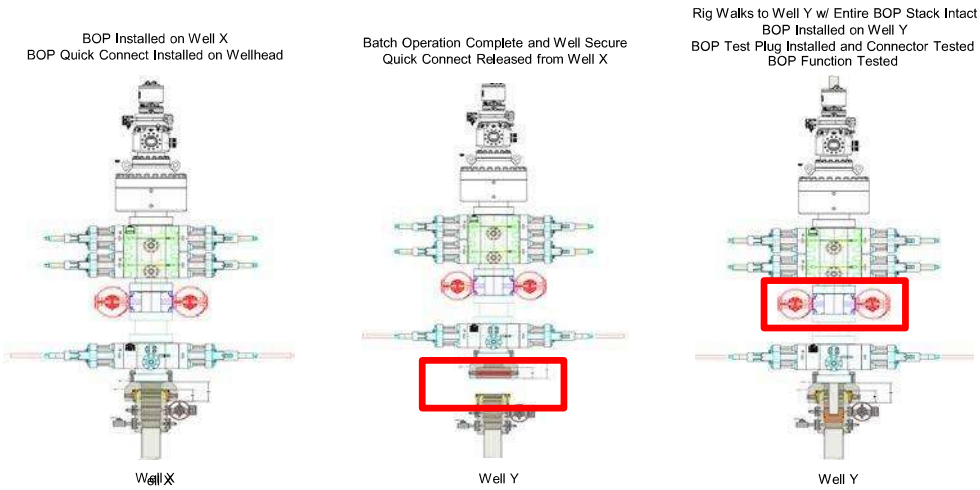
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often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

Procedures

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

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

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



Summary

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

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

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

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

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

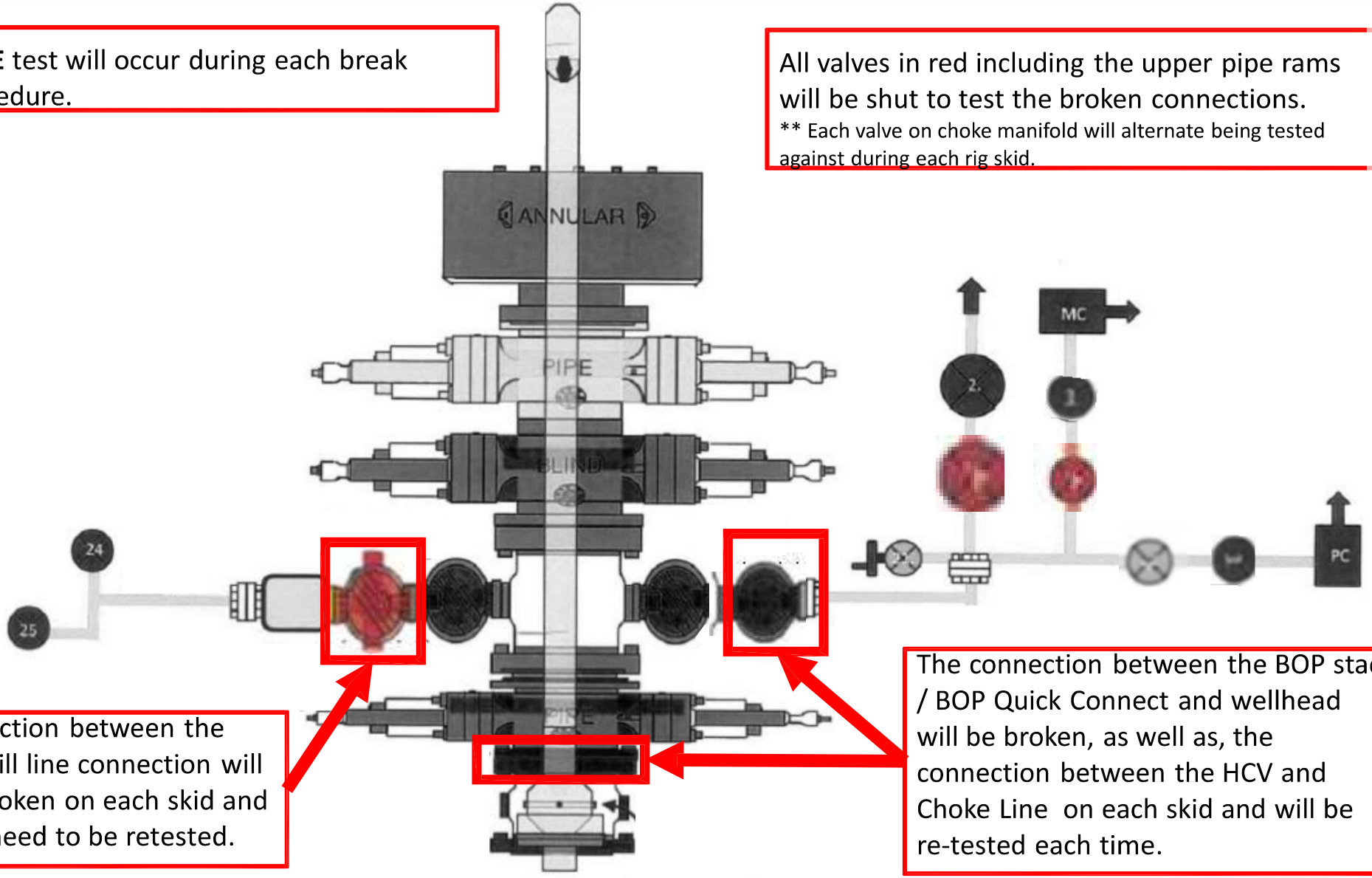
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

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

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

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

All valves in red including the upper pipe rams will be shut to test the broken connections.
** Each valve on choke manifold will alternate being tested against during each rig skid.



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

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

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100
FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE 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. OSUNOS

TITLE: QUALITY ASSURANCE

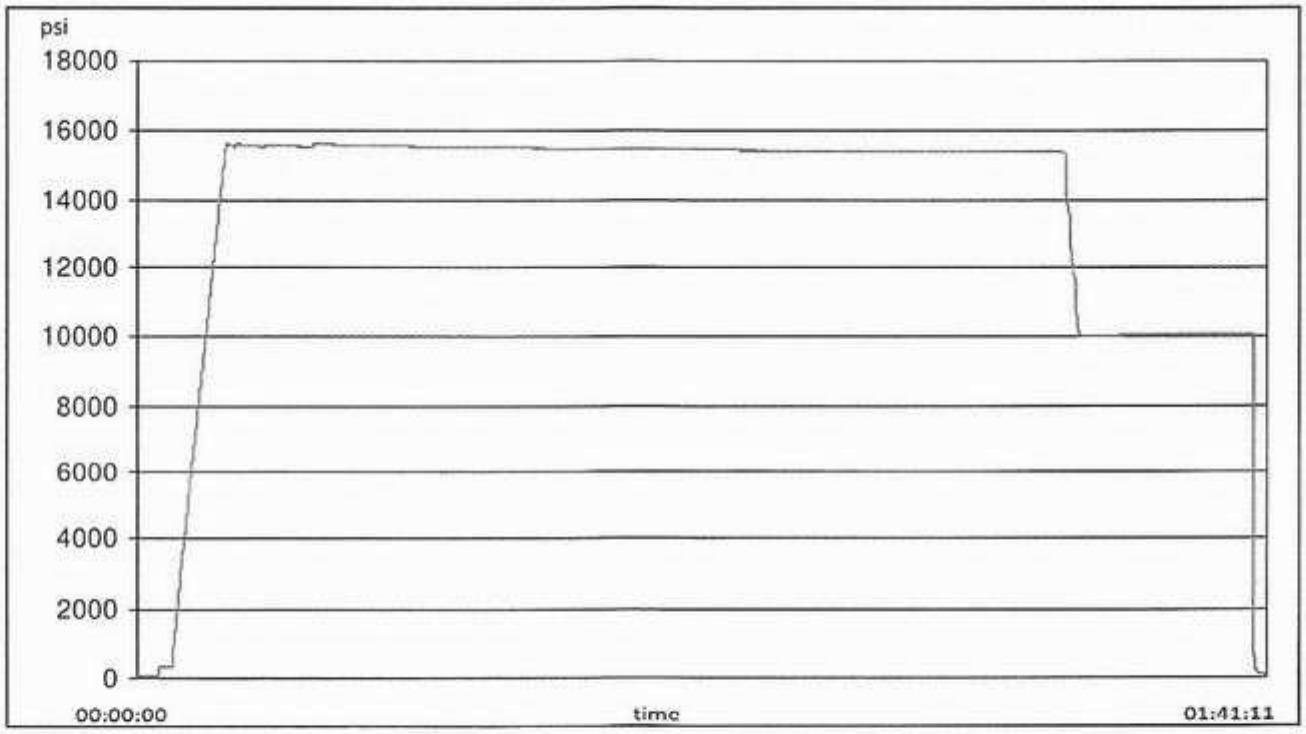
DATE: 1/25/2024

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				



H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

GAUGE TRACEABILITY

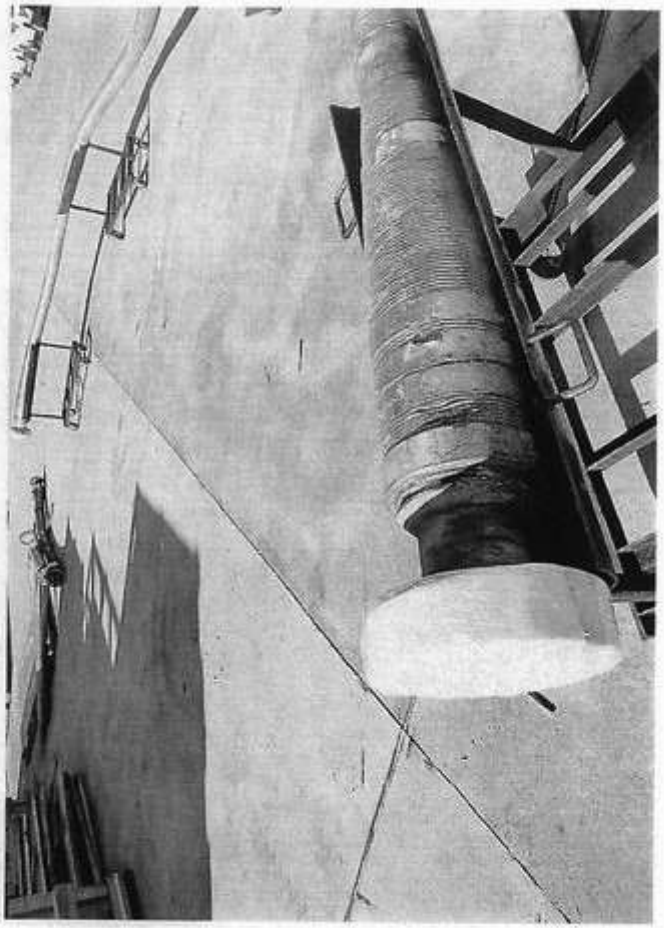
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment







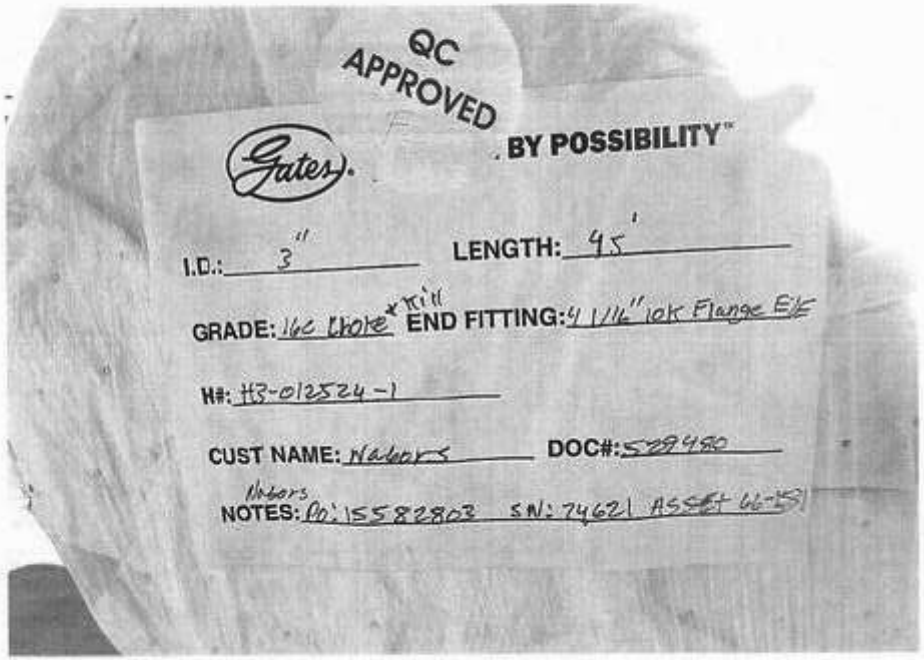


Released to Imaging: 11/16/2026 7:24:17 AM

Received by OCD: 11/2/2026 3:35:06 PM









Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

ExxonMobil

Offline Production Cementing

Delaware Basin | 18 March 2025

Energy lives here™

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

Variance Request for Offline Production Cementing

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

Supporting Materials:

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

ExxonMobil

Page 95 of 237

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

Criteria for Offline Cementing

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

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

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

Offline Cementing Procedure

Trigger to reevaluate plan

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

ExxonMobil

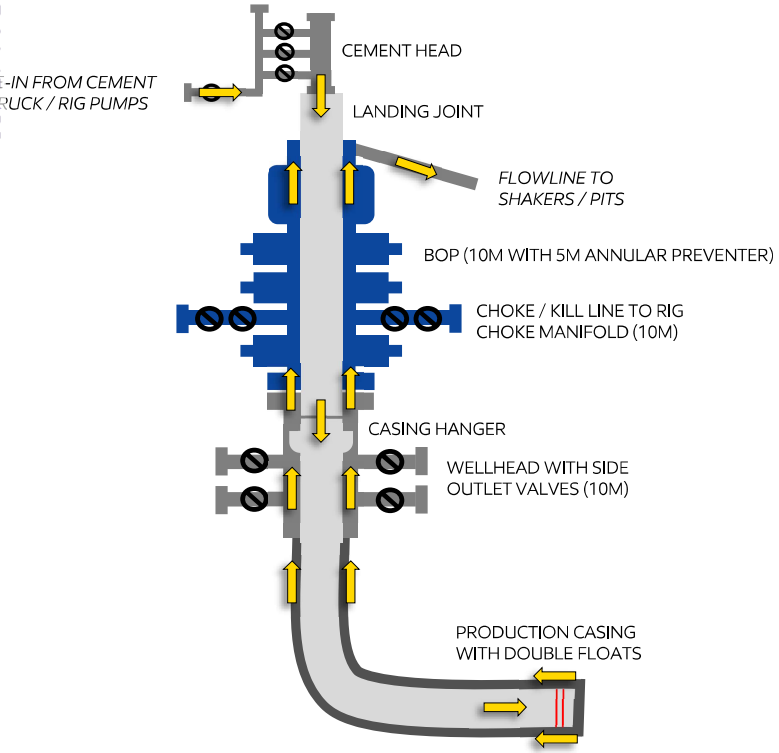
Page 97 of 237

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

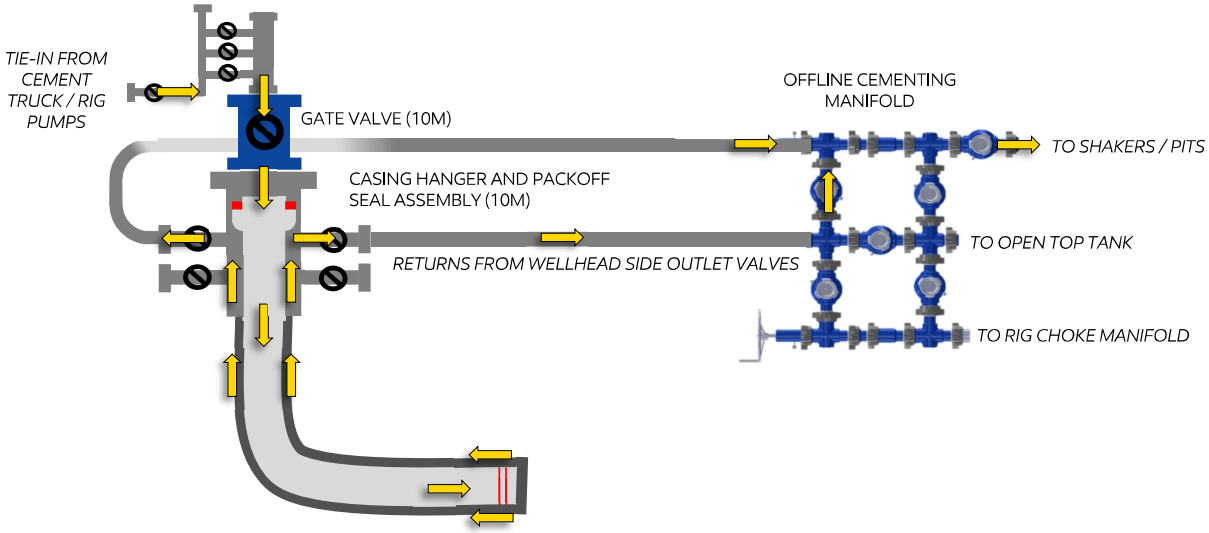
Process and Equipment

FLOWPATH WHILE CEMENTING

ONLINE CEMENTING



OFFLINE CEMENTING



KEY DIFFERENCES

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

ExxonMobil

Page 98 of 237

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

Barrier Comparison

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

ExxonMobil

Page 99 of 237

Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

Well Control Response Plan

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

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

ExxonMobil

Page 100 of 237

ExxonMobil

XTO Permian Operating, LLC Offline Cementing Variance Request

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

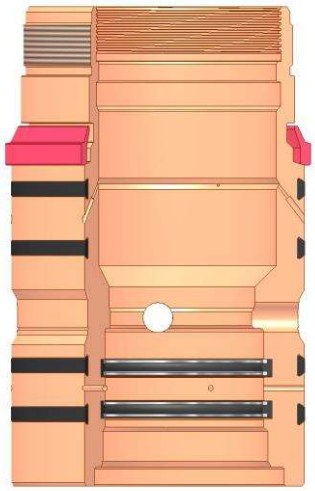
1. Cement Program

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

2. Offline Cementing Procedure

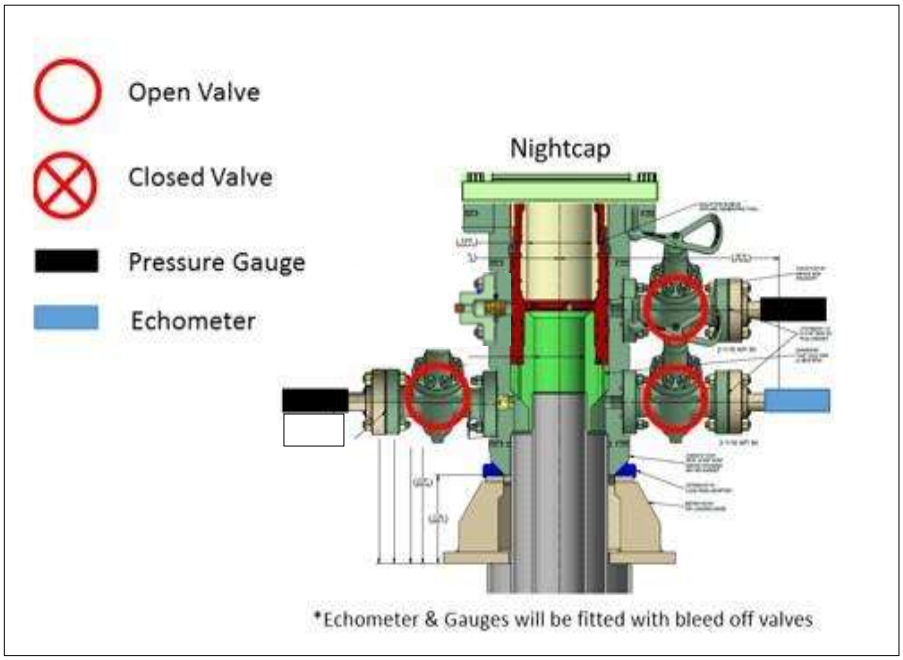
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

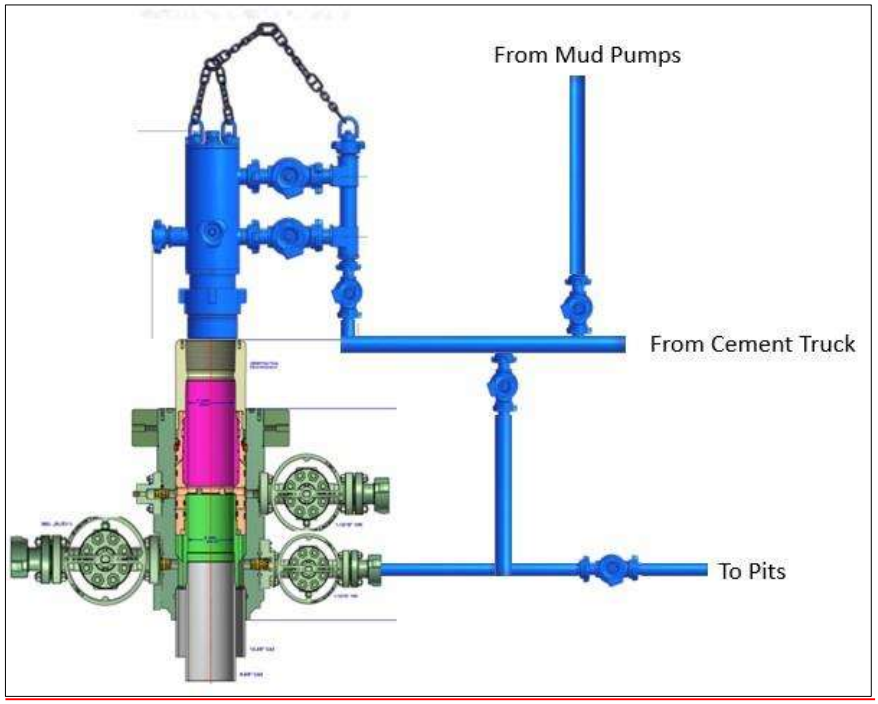
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

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.

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

SUPO Data Report
01/08/2026

APD ID: 10400106757
Submission Date: 09/11/2025
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 19 DTD
Well Number: 426H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

PLU_19_DTD_426H_ROAD_20250903115711.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

POKER_LAKE_UNIT_19_DTD_1_Mile_Radius_Map_Pad_D_20250903115558.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: No new production facilities are proposed for this development. A detailed facility layout which describes the placement of the facility components on the existing tank battery with appropriate labels, as per the 43 CFR requirements, has been attached under SUPO section 4. Production Facilities - No new production facilities are proposed for this development. Production from the proposed wells will be routed to the existing PLU 19 DTD batteries Flowlines - No new flowlines are proposed for this development Electrical Lines - No new electrical lines are proposed for this development. MSO - No new MSO is proposed for this development. Flare - No new flare is proposed for this development.

Production Facilities map:

DN_PLD19_PB_SL_MP_DIA_0001_0_20250826124544.pdf

XTO_PLU_19_DTD_EXISTING_EAST_CVB_FINAL_09_05_2025_20250910062438.pdf

XTO_PLU_19_DTD_EXISTING_WEST_CVB_FINAL_09_05_2025_20250910062439.pdf

XTO_POKER_LAKE_UNIT_19_DTD_PAD_D_FACILITY_PLAT_20250911070445.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Fresh Water Sourced from Commercial Trucking Companies.

Water source use type: SURFACE CASING

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 130000 **Source volume (acre-feet):** 16.75610252

Source volume (gal): 5460000

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Water source type: OTHER

Describe type: Brackish Water

Water source use type: DUST CONTROL

INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum:

City:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 470000 **Source volume (acre-feet):** 60.57975528

Source volume (gal): 19740000

Water source and transportation

PLU_19_DTD_426H_VICINITY_MAP_20250903115755.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 brackish water and/or produced water coming from XTOs Produced and Brackish Water system (32.21174, -103.89822). Water is transported via a pipeline from XTOs Pond and existing midstream system at (32.21174, -103.89822) which will then be pumped 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 flowlines will be permitted via ROW approval letter and proper grants as needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 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

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:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Source: 32.21544, -103.83705 Character: Lifts of compacted caliche Intended use: maintenance of existing facilities, well pad, and access roads
Construction Materials source location

Section 7 - Methods for Handling

Waste type: SEWAGE

Waste content description: Human & Solid Waste

Amount of waste: 1260 gallons

Waste disposal frequency : Weekly

Safe containment description: 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 completions 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 human waste.

Waste type: DRILLING

Waste content description: DRILLING FLUIDS

Amount of waste: 600 barrels

Waste disposal frequency : One Time Only

Safe containment description: Drilling fluids will be contained in steel mud pits & will be taken to an NMOCD approved commercial disposal facility.
Safe containmant attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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

Disposal location description: Drilling fluids will be disposed at an NMOCD approved disposal facility ~5-6 times per well.

Waste type: GARBAGE

Waste content description: Garbage, Debris, Junk & Non-flammable waste materials.

Amount of waste: 5500 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 approved sanitary landfill. Immediately after drilling, all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.

Safe containmant attachment:

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 garbage.

Waste type: DRILLING

Waste content description: DRILL CUTTINGS

Amount of waste: 40000 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: Drilling cuttings will be disposed at an NMOCD approved disposal facility ~40 times per well.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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 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. Drilling fluids will be contained in steel mud pits and will be taken to an NMOCD approved commercial disposal facility. 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.

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

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

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

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

POKER_LAKE_UNIT_19_DTD_426H_RL_20250903115850.pdf

PLU_19_DTD_426H_WELL_SITE_20250903120003.pdf

Comments: Multi-Well Pad.

Section 10 - Plans for Surface

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** POKER LAKE UNIT 19 DTD

Multiple Well Pad Number: D

Recontouring

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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, native (or otherwise approved) plant 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.

Existing Vegetation at the well pad: There is no Existing Vegetation at the existing well pad.

Existing Vegetation at the well pad

Existing Vegetation Community at the road: There is no Existing Vegetation at the existing roads.

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: There is no existing vegetation at the existing pipelines.

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: There is no existing vegetation at the other existing disturbances.

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

First Name: Andrew **Last Name:** Mowles

Phone: (432)999-8069 **Email:** andrew.b.mowles@exxonmobil.com

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

Seed BMP: If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting 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 using 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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Success standards: 100% compliance with applicable regulations.

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

Section 11 - Surface

Disturbance type: 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:**

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:

DOD Local Office:

NPS Local Office:

State Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

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: TRANSMISSION LINE

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 19 DTD **Well Number:** 426H

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: OTHER

Describe: CENTERAL VESSEL BATTERY

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:**

Section 12 - Other

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

ROW Type(s):

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

ROW

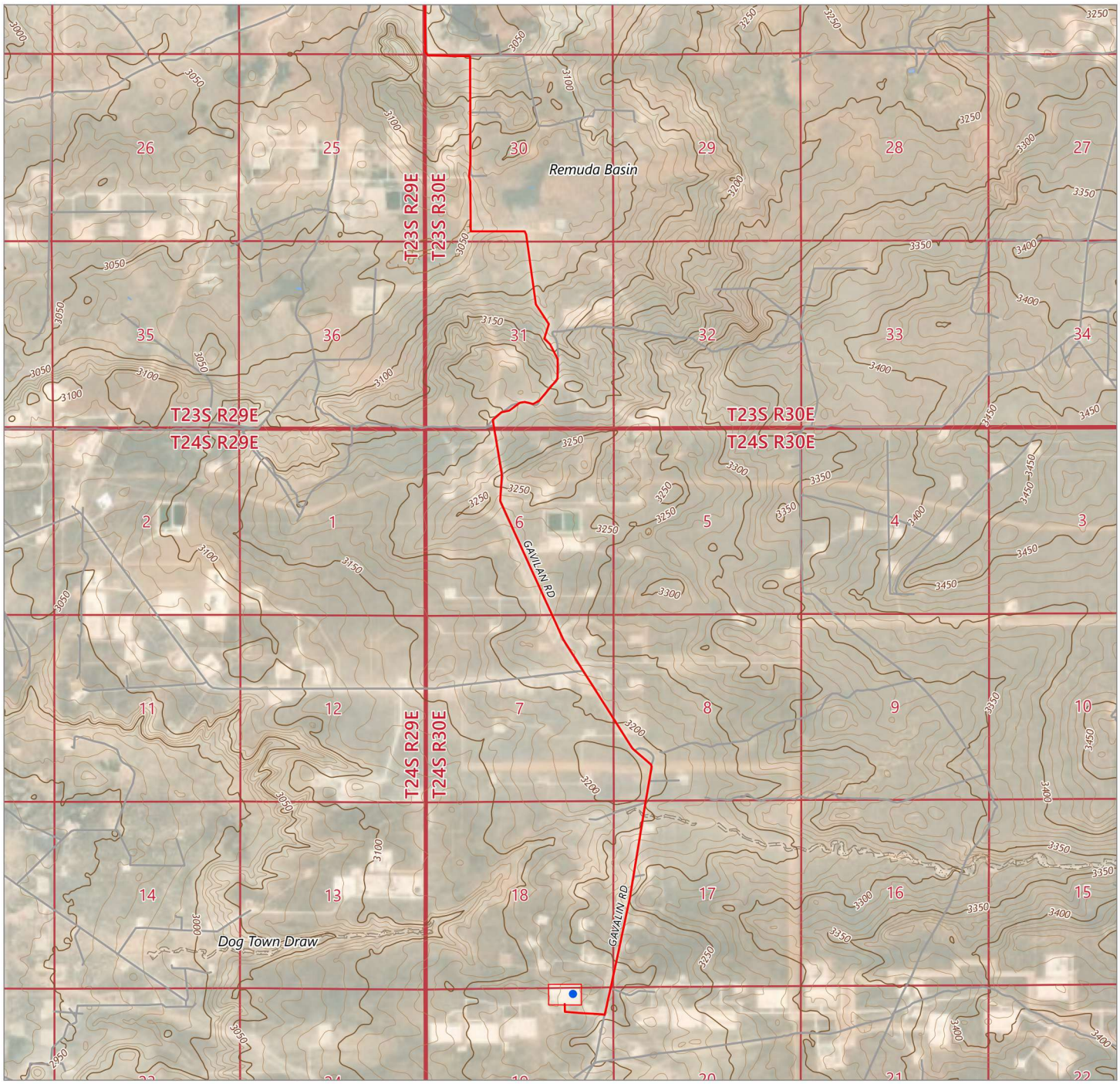
SUPO Additional Information: SUPO is written for all wells in the proposed PLU 19 DTD development.

Use a previously conducted onsite? Y

Previous Onsite information: Representative from XTO Permian Operating, LLC. and the BLM NRS were on location for the onsite on 11-17-2021.

Other SUPO

POKER_LAKE_UNIT_19_DTD_SUPO_20250829093119.pdf



DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 128 (JAL HIGHWAY) AND RAWHIDE ROAD, GO SOUTH ON RAWHIDE ROAD FOR APPROX. 4.7 MILES. TURN RIGHT (SOUTH) ON RAWHIDE ROAD AND GO APPROX. 6.0 MILES. TURN RIGHT (WEST) ON LEASE ROAD AND GO APPROX. 0.2 MILES. TURN RIGHT (NORTH) ON LEASE ROAD AND GO APPROX 225 FEET ARRIVING AT THE LOCATION TO THE NORTH.

0 2,500 5,000 10,000
US Feet

LEGEND

- POKER LAKE UNIT 19 DTD 426H WELL LOCATION
- EXISTING WELL PAD
- DRIVING ROUTE

N

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
Ph: 972.972.4250 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

© 2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

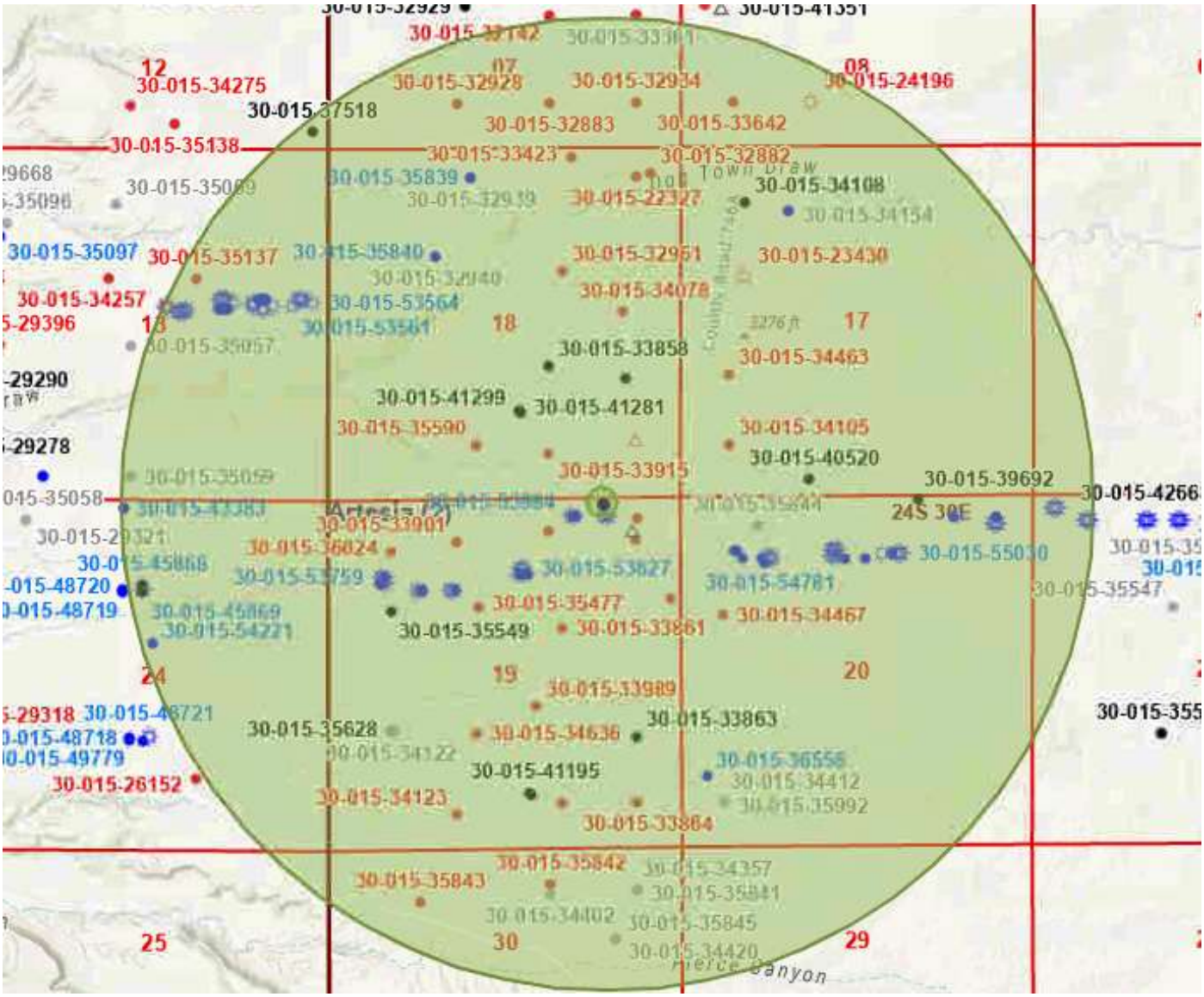
A TOPOGRAPHICAL AND ACCESS ROAD MAP FOR XTO PERMIAN OPERATING, LLC. POKER LAKE UNIT 19 DTD 426H

LOCATED 179 FEET FROM THE NORTH LINE AND 1136 FEET FROM THE EAST LINE OF SECTION 19, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

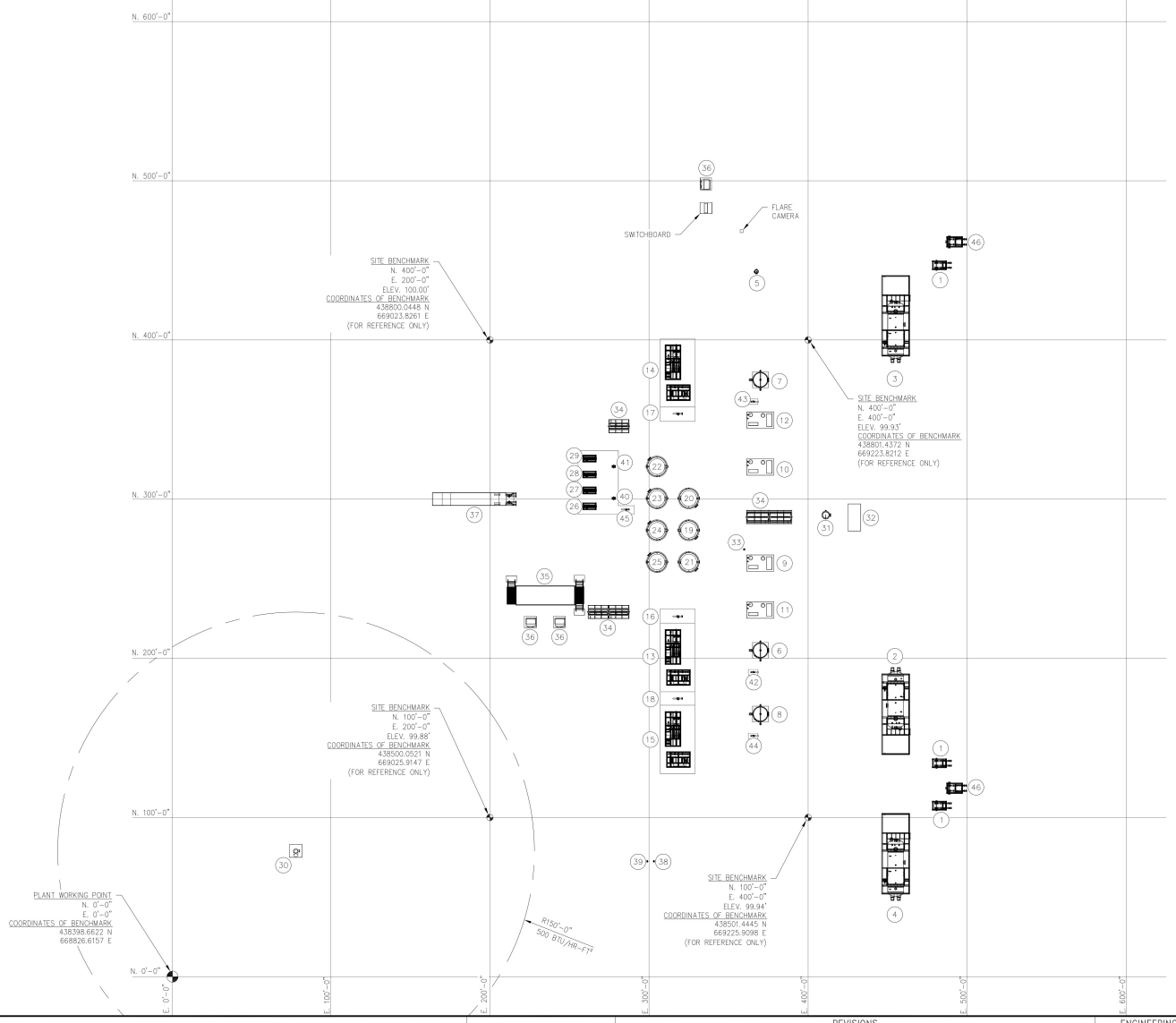
CHECKED BY:	DATE:	SCALE:	PROJECT NUMBER:
AI	7/22/2025	1":5,000'	618.013003.05-82
DRAWN BY:	FIELD CREW:	REVISION NUMBER:	SHEET:
RE	RD	1	3 OF 3

P:\18.013 XTO Energy - NM\003 Poker Lake Unit\05 - PLU 19 DTD - EDDY\GIS\DRIVING DIRECTIONS\NM_WELLPLAT_PACKAGE\NM_WELLPLAT_PACKAGE.aprx

1 Mile Radius Map – Poker Lake Unit 19 DTD Pad D



Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM



EQUIPMENT INFORMATION		
ITEM	EQUIPMENT NUMBER	QTY.
1	INLET OIL MANIFOLD	3
2	HEATER TREATER (V-500)	
3	HEATER TREATER (V-501)	
4	HEATER TREATER (V-502)	
5	FUEL GAS SCRUBBER (V-450)	
6	VRT (V-110)	
7	VRT (V-111)	
8	VRT (V-112)	
9	VRU (CPK-140)	
10	VRU (CPK-141)	
11	VRU (CPK-142)	
12	VRU (CPK-143)	
13	LACT SKID (PPK-130)	
14	LACT SKID (PPK-131)	
15	LACT SKID (PPK-132)	
16	SLOP PUMP (P-150)	
17	SLOP PUMP (P-151)	
18	SLOP PUMP (P-152)	
19	OIL SLOP VESSEL (V-100)	
20	OIL SLOP VESSEL (V-101)	
21	OIL SLOP VESSEL (V-102)	
22	WATER SURGE VESSEL (V-200)	
23	WATER SURGE VESSEL (V-201)	
24	WATER SURGE VESSEL (V-202)	
25	WATER SURGE VESSEL (V-203)	
26	WATER TRANSFER PUMP (P-220)	
27	WATER TRANSFER PUMP (P-221)	
28	WATER TRANSFER PUMP (P-222)	
29	WATER TRANSFER PUMP (P-223)	
30	LP FLARE (F-310)	
31	INSTRUMENT AIR RECEIVER (V-002)	
32	INSTRUMENT AIR SKID (SK-601)	
33	DIAPHRAGM PUMP (P-140)	
34	ELECTRICAL RACK	3
35	PDC BUILDING	
36	TRANSFORMER	3
37	TEMPORARY WATER COOLER	
38	DIAPHRAGM PUMP (P-301)	
39	DIAPHRAGM PUMP (P-303)	
40	BASKET STRAINER (F-220)	
41	BASKET STRAINER (F-221)	
42	VRT PUMP (P-110A)	
43	VRT PUMP (P-111A)	
44	VRT PUMP (P-112A)	
45	WATER CIRCULATION PUMP (P-200A)	
46	INLET WATER MANIFOLD	2

NOTES:

SAFETY NOTE:

1. CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.

Sargent & Lundy
400 Inverness Parkway, #200
Englewood, CO 80112
303.500.1356 Office

REVISIONS					
NO.	DATE	DESCRIPTION	BY	CHK.	APP.
0	11/01/24	ISSUED FOR CONSTRUCTION	SOS	CAG	JLP

ENGINEERING RECORD		
	BY	DATE
DRN:	SOS	07/08/24
DES:	SOS	07/08/24
CHK:	CAG	07/10/24
APP:	JLP	07/10/24
AFE No.		–
S&L JOB NO.		A14977.007
RESP. ENGR:	J. PANTER	
(FORMATTED 22"x34") SCALE:	1" = 35'-0"	

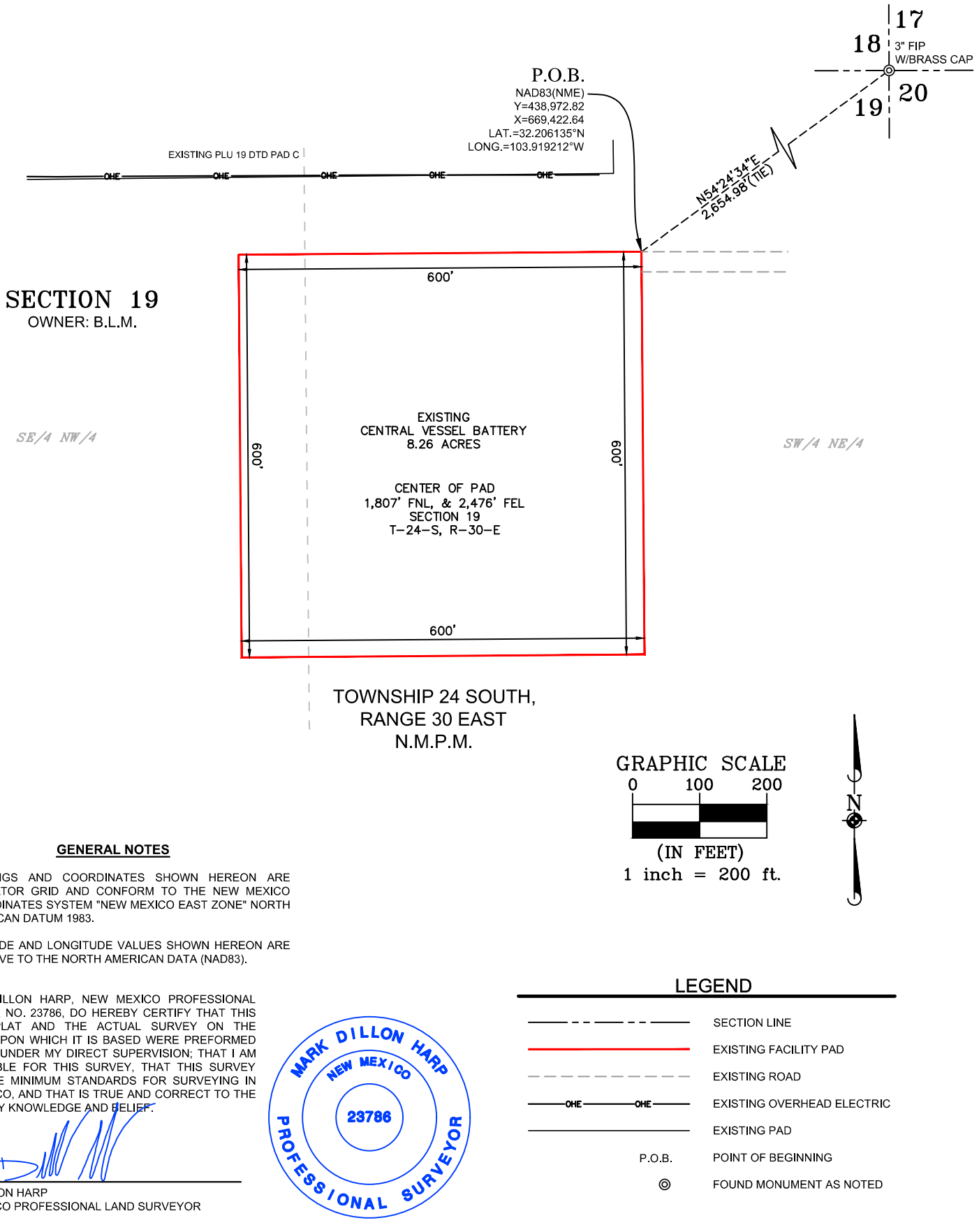
JUSTIN L PANTER NEW MEXICO 29735 PROFESSIONAL ENGINEER

XTO ENERGY

XTO ENERGY
DELAWARE BASIN
PLU DTD 19 CVB
PLOT PLAN

DWG. NO.
DN-PLD19-PB-SL-MP-DIA-0001

Y:\Shared\EIG\XTO ENERGY\14977.007 PLU 19 DTD CVB PROJECT\04.0 DSGN DOCS\04.05 MECH\.02 NATIVE\DN-PLD19-PB-SL-MP-DIA-0001 (11/1/2024 11:20:19 AM)



GENERAL NOTES

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

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

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

LEGEND

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

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

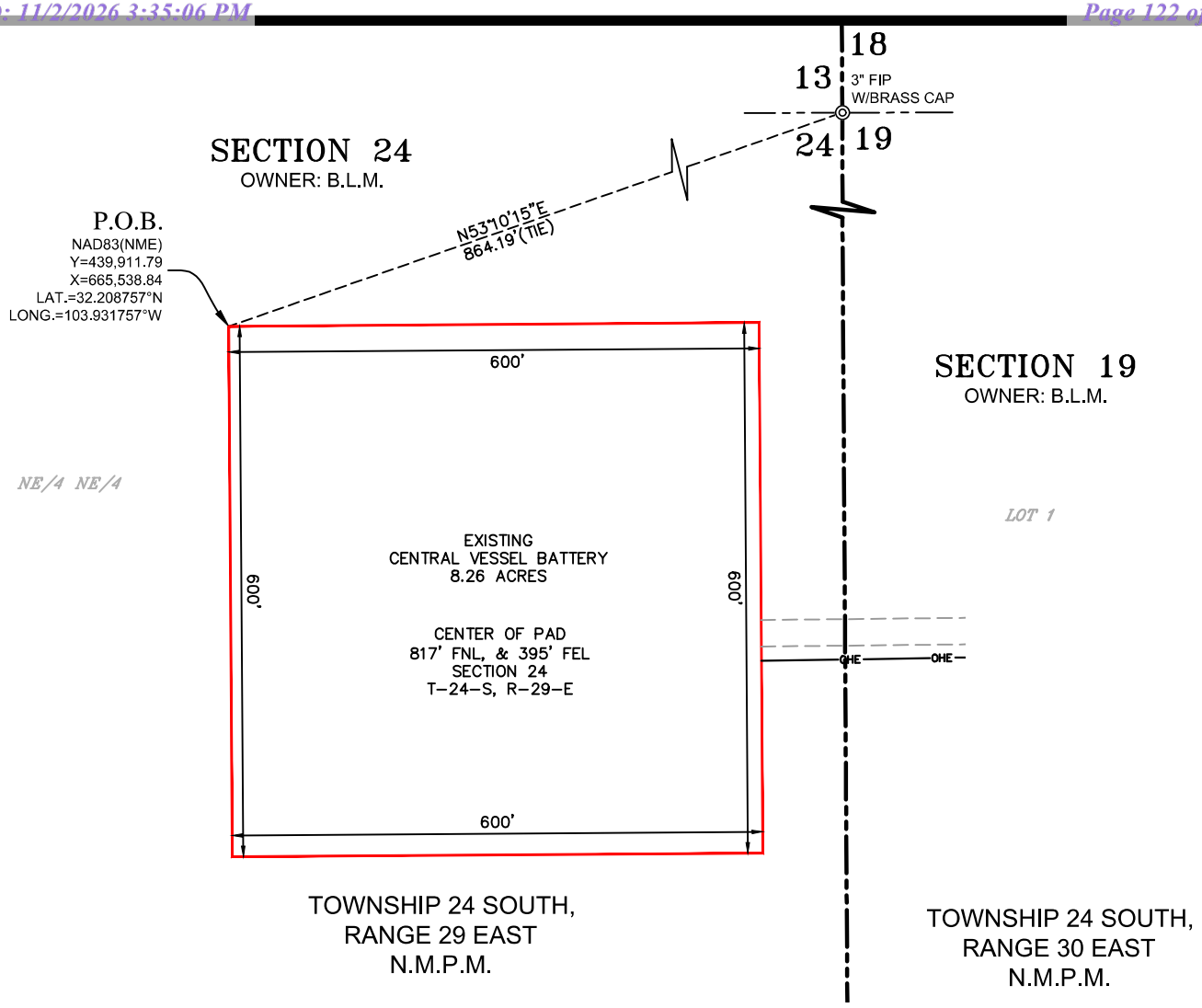
©2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

AN AS-BUILT PAD LAYOUT FOR XTO PERMIAN OPERATING, LLC.
POKER LAKE UNIT 19 DTD EXISTING EAST CENTRAL VESSEL BATTERY

SITUATED IN THE N/2 OF SECTION 19,
TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
AI	9/5/2025	1" = 200'	618.013003.05
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
LB	RD	0	1 OF 1

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.05 - PLU 19 DTD - EDDY\DWG\To-Client\PAD AS-BUILTS\EAST CVB AS-BUILT.dwg



GENERAL NOTES

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

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

N

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

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

LEGEND

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

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

©2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

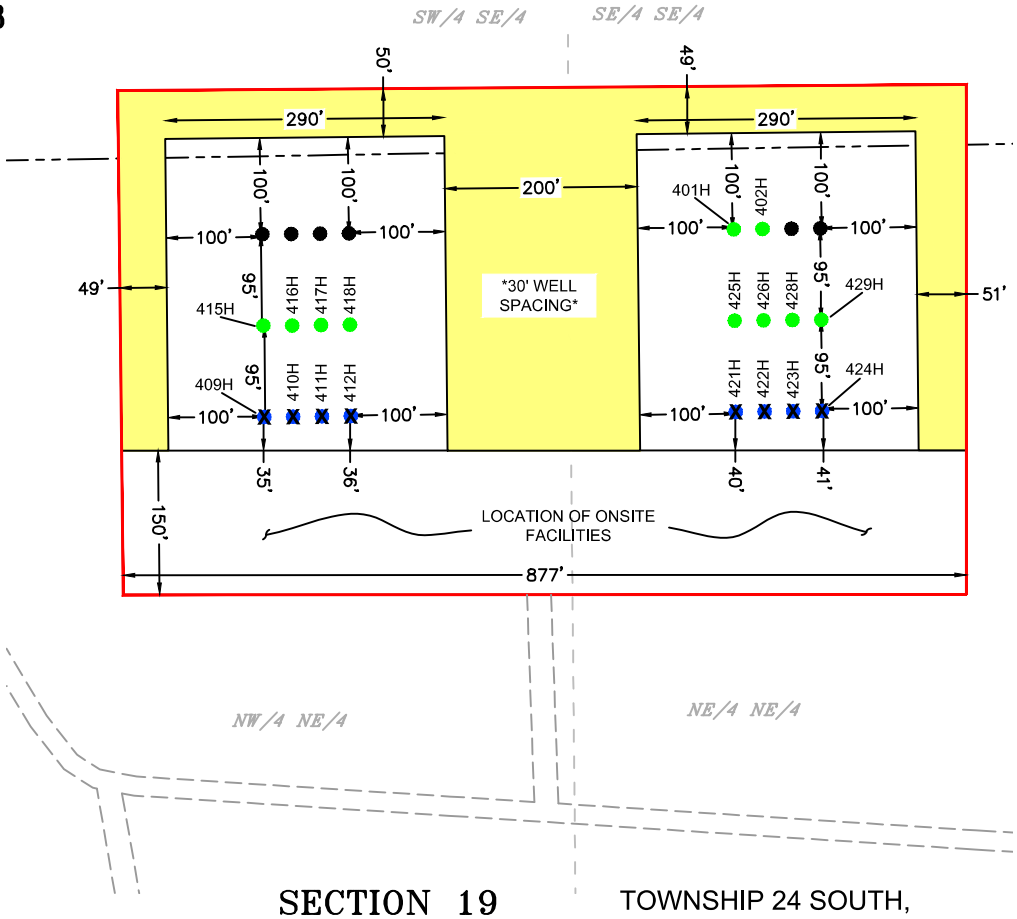
AN AS-BUILT PAD LAYOUT FOR XTO PERMIAN OPERATING, LLC.
POKER LAKE UNIT 19 DTD EXISTING WEST CENTRAL VESSEL BATTERY

SITUATED IN THE NE/4 OF SECTION 24,
TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
AI	9/5/2025	1" = 200'	618.013003.05
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
LB	RD	0	1 OF 1

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.05 - PLU 19 DTD - EDDY\DWG\To-Client\PAD AS-BUILTS\WEST CVB AS-BUILT.dwg

SECTION 18
OWNER: B.L.M.



N

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

SECTION 19
OWNER: B.L.M.

TOWNSHIP 24 SOUTH,
RANGE 30 EAST
N.M.P.M.

DRIVING DIRECTIONS

FROM THE INTERSECTION OF HIGHWAY 128 (JAL HIGHWAY) AND RAWHIDE ROAD, GO SOUTH ON RAWHIDE ROAD FOR APPROX. 4.7 MILES. TURN RIGHT (SOUTH) ON RAWHIDE ROAD AND GO APPROX. 6.0 MILES. TURN RIGHT (WEST) ON LEASE ROAD AND GO APPROX. 0.2 MILES. TURN RIGHT (NORTH) ON LEASE ROAD AND GO APPROX 225 FEET ARRIVING AT THE LOCATION TO THE NORTH.

GENERAL NOTES

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

ACREAGE INFORMATION	
INITIAL CONSTRUCTED DISTURBED AREA	= 10.657 ACRES
INTERIM RECLAMATION	= 3.268 ACRES
TOTAL PAD ACREAGE AFTER IR =	7.389 ACRES

LEGEND

- SECTION LINE
- EXISTING WELL PAD
- EXISTING ROAD
- TBD WELL LOCATION
- PERMITTED WELL LOCATION DRILLING SOUTH
- PERMITTED WELL LOCATION DRILLING NORTH
- X — DENOTES WELL LOCATION HAS BEEN DRILLED
- INTERIM RECLAMATION AREA

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

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786

MARK DILLON HARP · NEW MEXICO · 23786 · PROFESSIONAL SURVEYOR

AN INTERIM RECLAMATION DIAGRAM FOR:
XTO PERMIAN OPERATING, LLC.
POKER LAKE UNIT 19 DTD EXISTING PAD "D"

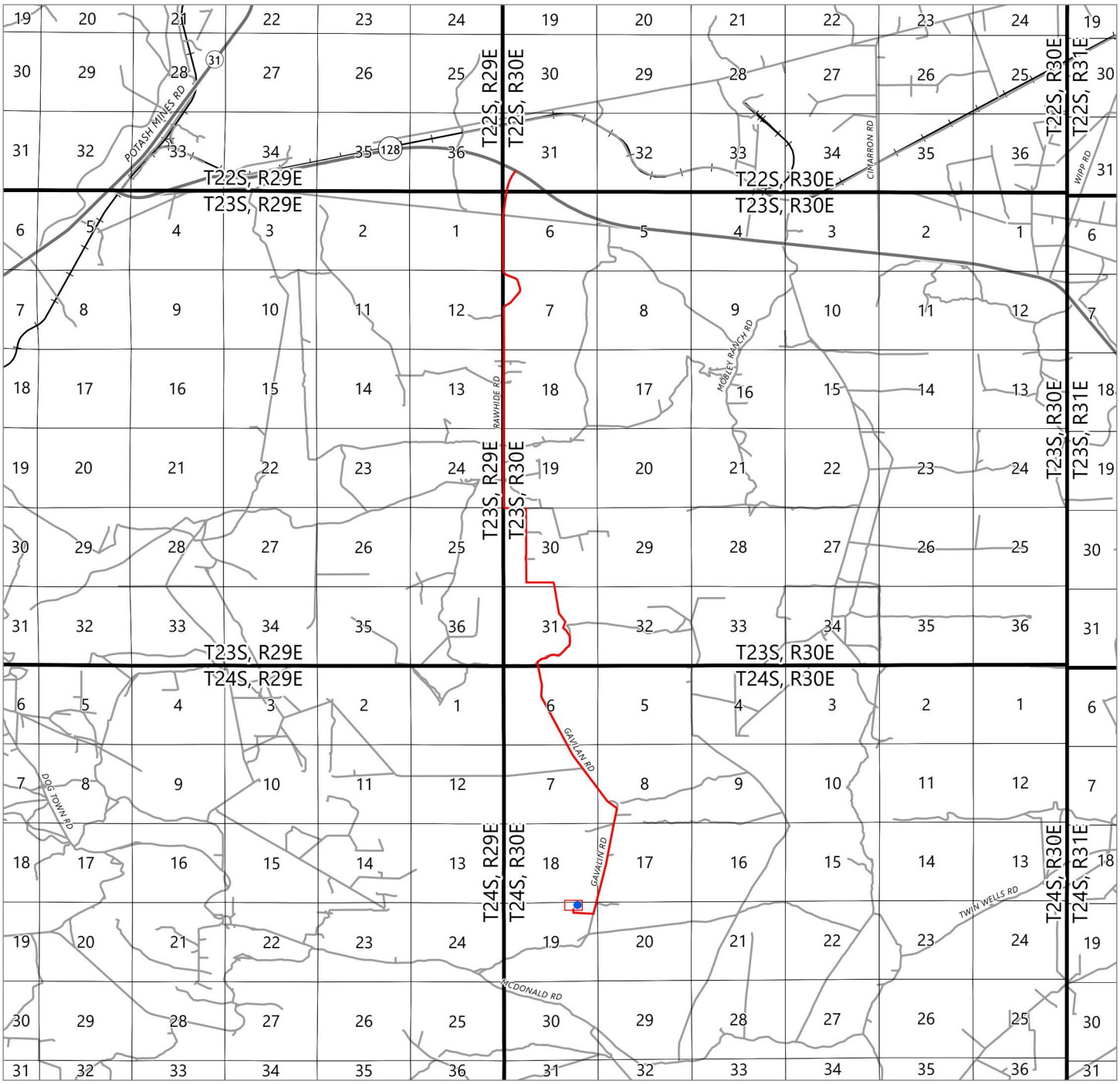
PAD CENTER IS LOCATED 264 FEET FROM THE NORTH LINE AND 1,364 FROM THE EAST LINE OF SECTION 19, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

©2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	9/10/2025	1" = 200'	618.013003.05
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	NO	1 OF 1

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.05 - PLU 19 DTD - EDDY\DWG\To-Client\PAD D INTERIM REC.dwg



DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 128 (JAL HIGHWAY) AND RAWHIDE ROAD, GO SOUTH ON RAWHIDE ROAD FOR APPROX. 4.7 MILES. TURN RIGHT (SOUTH) ON RAWHIDE ROAD AND GO APPROX. 6.0 MILES. TURN RIGHT (WEST) ON LEASE ROAD AND GO APPROX. 0.2 MILES. TURN RIGHT (NORTH) ON LEASE ROAD AND GO APPROX 225 FEET ARRIVING AT THE LOCATION TO THE NORTH.

0 5,000 10,000 20,000
US Feet

N

LEGEND

- POKER LAKE UNIT 19 DTD 426H WELL LOCATION
- EXISTING WELL PAD
- DRIVING ROUTE

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
Ph: 972.972.4250 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

© 2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

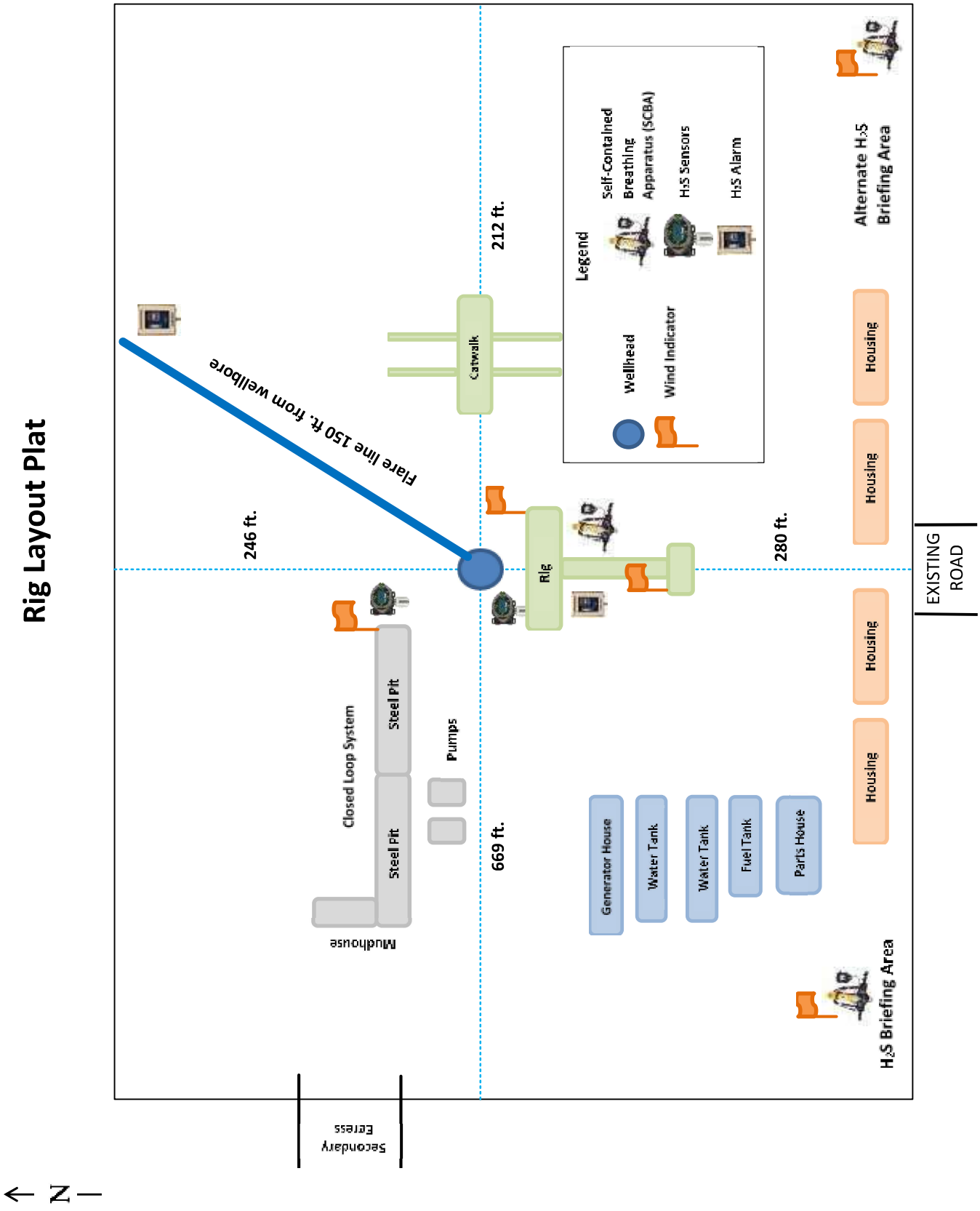
A VICINITY MAP FOR XTO PERMIAN OPERATING, LLC.
POKER LAKE UNIT 19 DTD 426H

LOCATED 179 FEET FROM THE NORTH LINE AND 1136 FEET FROM THE EAST LINE OF SECTION 19, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NUMBER:
AI	6/27/2025	1":10,000'	618.013003.05-82
DRAWN BY:	FIELD CREW:	REVISION NUMBER:	SHEET:
RE	RD	1	2 OF 3

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\05 - PLU 19 DTD - EDDY\GIS\DRIVING DIRECTIONS\NM_WELLPLAT_PACKAGE\NM_WELLPLAT_PACKAGE.aprx

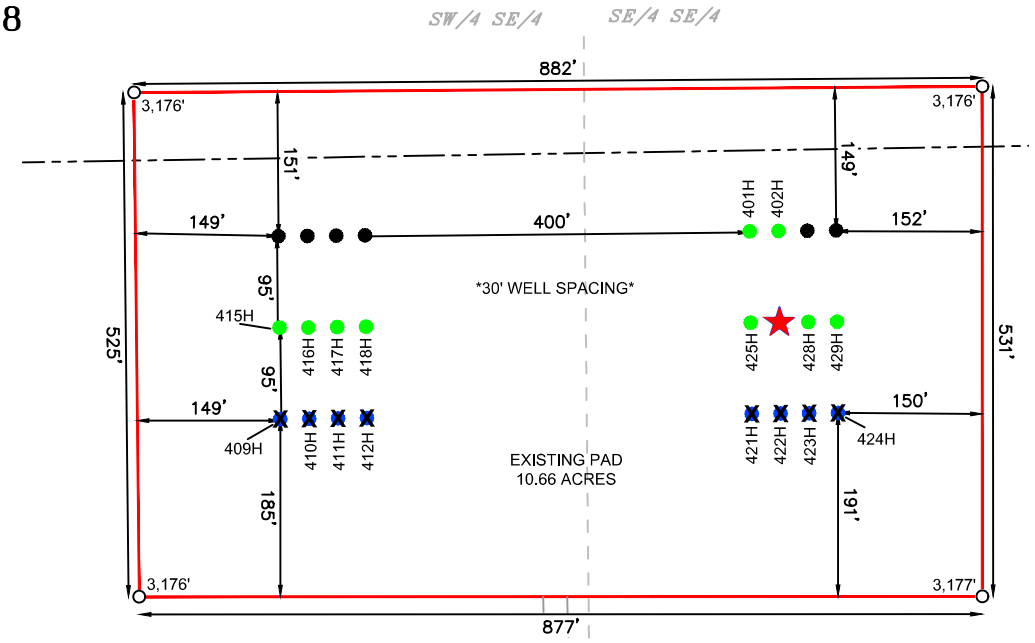
Rig Layout Plat



Received by OCD: 11/2/2026 3:35:06 PM

SECTION 18

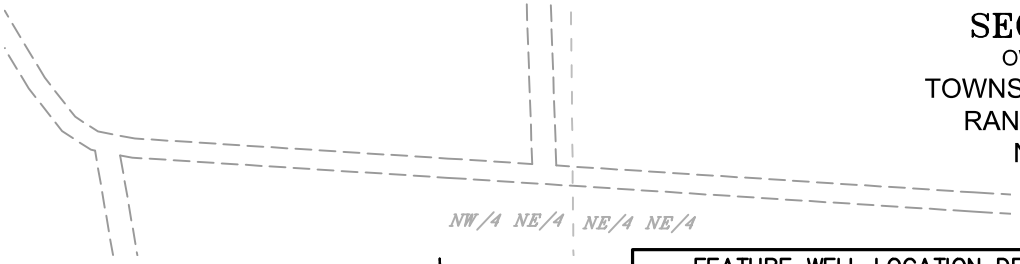
OWNER: B.L.M.



SECTION 19

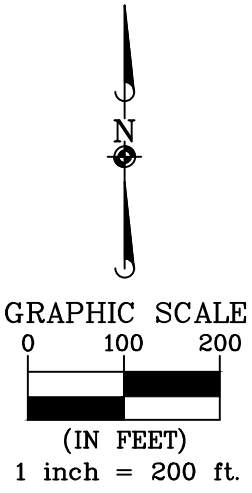
OWNER: B.L.M.

TOWNSHIP 24 SOUTH,
RANGE 30 EAST
N.M.P.M.



GENERAL NOTES

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



FEATURE WELL LOCATION DETAIL

POKER LAKE UNIT 19 DTD 426H
179' FNL & 1,136' FEL
ELEV.= 3,176'
NAD 83 (NME)
Y=440,320.1
X=670,447.5
LAT.=32.209828°N
LONG.=103.915881°W
NAD 27 (NME)
Y=440,260.8
X=629,263.9
LAT.=32.209703°N
LONG.=103.915394°W

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

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786



LEGEND

- SECTION LINE
- EXISTING WELL PAD
- EXISTING ROAD
- FEATURE WELL LOCATION
- TBD WELL LOCATION
- PERMITTED WELL LOCATION DRILLING SOUTH
- PERMITTED WELL LOCATION DRILLING NORTH
- X — DENOTES WELL LOCATION HAS BEEN DRILLED

Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-22053 (Eng)

©2025 MANHARD CONSULTING, ALL RIGHTS RESERVED

A WELL SITE PLAN FOR:
POKER LAKE UNIT 19 DTD EXISTING PAD "D"
XTO PERMIAN OPERATING, LLC.
SITUATED IN SECTION 19, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	6/23/2025	1" = 200'	618.013003.05-82
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
YH	RD	NO	1 OF 3

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.05 - PLU 19 DTD - EDDY\Wells\-82 - 426H\DWG\PACKET\426H WELL SITE.dwg

Released to Imaging: 11/16/2026 7:24:17 AM

Surface Use Plan of Operations

Dog Town Draw 19

Well Name	SHL STR	SHL Footages	BHL STR	BHL Footages
POKER LAKE UNIT 19 DTD 103H	19 T24S R30E	1211 FNL, 339 FWL	6 T24S R30E	50 FNL, 300 FWL
POKER LAKE UNIT 19 DTD 202H	19 T24S R30E	1182 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1638 FWL
POKER LAKE UNIT 19 DTD 303H	19 T24S R30E	1103 FNL, 2441 FWL	31 T23S R30E	2643 FSL, 2376 FEL
POKER LAKE UNIT 19 DTD 402H	19 T24S R30E	84 FNL, 1136 FEL	31 T23S R30E	2641 FSL, 1038 FEL
POKER LAKE UNIT 19 DTD 105H	19 T24S R30E	1211 FNL, 369 FWL	6 T24S R30E	50 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 226H	19 T24S R30E	1277 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 229H	19 T24S R30E	1278 FNL, 1943 FWL	31 T23S R30E	2644 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 305H	19 T24S R30E	1103 FNL, 2471 FWL	31 T23S R30E	2643 FSL, 2176 FEL
POKER LAKE UNIT 19 DTD 426H	19 T24S R30E	179 FNL, 1136 FEL	31 T23S R30E	2642 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 429H	19 T24S R30E	180 FNL, 1076 FEL	31 T23S R30E	2640 FSL, 392 FEL
POKER LAKE UNIT 19 DTD 106H	19 T24S R30E	1212 FNL, 399 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 228H	19 T24S R30E	1277 FNL, 1913 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 306H	19 T24S R30E	1103 FNL, 2501 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 428H	19 T24S R30E	179 FNL, 1106 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 101H	19 T24S R30E	1211 FNL, 309 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 201H	19 T24S R30E	1182 FNL, 1853 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 301H	19 T24S R30E	1103 FNL, 2411 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 401H	19 T24S R30E	84 FNL, 1166 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 115H	19 T24S R30E	1306 FNL, 309 FWL	6 T24S R30E	100 FNL, 223 FWL
POKER LAKE UNIT 19 DTD 118H	19 T24S R30E	1307 FNL, 399 FWL	6 T24S R30E	100 FNL, 1115 FWL
POKER LAKE UNIT 19 DTD 211H	19 T24S R30E	1274 FNL, 1423 FWL	31 T23S R30E	2425 FSL, 2007 FWL
POKER LAKE UNIT 19 DTD 315H	19 T24S R30E	1198 FNL, 2411 FWL	31 T23S R30E	2424 FSL, 2453 FEL
POKER LAKE UNIT 19 DTD 318H	19 T24S R30E	1198 FNL, 2501 FWL	31 T23S R30E	2422 FSL, 1561 FEL
POKER LAKE UNIT 19 DTD 417H	19 T24S R30E	177 FNL, 1596 FEL	31 T23S R30E	2420 FSL, 670 FEL
POKER LAKE UNIT 19 DTD 116H	19 T24S R30E	1306 FNL, 339 FWL	6 T24S R30E	100 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 212H	19 T24S R30E	1275 FNL, 1453 FWL	31 T23S R30E	2424 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 415H	19 T24S R30E	176 FNL, 1656 FEL	31 T23S R30E	2422 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 209H	19 T24S R30E	1274 FNL, 1363 FWL	31 T23S R30E	2425 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 316H	19 T24S R30E	1198 FNL, 2441 FWL	31 T23S R30E	2423 FSL, 2168 FEL
POKER LAKE UNIT 19 DTD 418H	19 T24S R30E	177 FNL, 1566 FEL	31 T23S R30E	2420 FSL, 384 FEL
POKER LAKE UNIT 19 DTD 117H	19 T24S R30E	1306 FNL, 369 FWL	6 T24S R30E	100 FNL, 670 FWL
POKER LAKE UNIT 19 DTD 210H	19 T24S R30E	1274 FNL, 1393 FWL	31 T23S R30E	2425 FSL, 1561 FWL
POKER LAKE UNIT 19 DTD 225H	19 T24S R30E	1277 FNL, 1853 FWL	31 T23S R30E	2424 FSL, 2453 FWL
POKER LAKE UNIT 19 DTD 317H	19 T24S R30E	1198 FNL, 2471 FWL	31 T23S R30E	2423 FSL, 2007 FEL
POKER LAKE UNIT 19 DTD 416H	19 T24S R30E	176 FNL, 1626 FEL	31 T23S R30E	2421 FSL, 1115 FEL
POKER LAKE UNIT 19 DTD 425H	19 T24S R30E	179 FNL, 1166 FEL	31 T23S R30E	2420 FSL, 223 FEL

Existing Roads (Section 1):

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.

Below will be the specifications for the existing access roads, should they need maintenance –

- Road Width: All existing access roads will remain 30 feet wide
- Maximum Grade: Maintenance, if any, for the driving surface for all the existing access roads will be made using 6" rolled & compacted caliche
- Crown & Ditch Design: All the existing access roads will be crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. Ditches will be 1 foot deep with a 3:1 slope
- Turnouts: No new turnouts will be constructed during the maintenance of existing access roads
- Cattleguards: No new cattleguards will be constructed during the maintenance of existing access roads
- Major cuts and fills: No significant cuts & fills will be required for maintenance of existing access roads
- Type of surfacing material: Surface material for all existing access road maintenance will be trucked in from a native caliche pit located at: 32.21544, -103.83705
- Road Drainage Control Structures: The access roads will be maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.
- Drainage control and Existing Road Access Erosion Control: The access road and associated drainage structures will be maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

New or Reconstructed Access Roads (Section 2):

No new construction/reconstruction of roads is proposed for this development.

Location of Existing Wells (Section 3):

A map including all existing wells within a one-mile radius of the proposed wells, as per the 43 CFR requirements, is attached under SUPO section 3.

Location of Existing and/or Proposed Production Facilities (Section 4):

No new production facilities are proposed for this development.

A detailed facility layout which describes the placement of the facility components on the existing tank battery with appropriate labels, as per the 43 CFR requirements, has been attached under SUPO section 4.

- Production Facilities - No new production facilities are proposed for this development. Production from the proposed wells will be routed to the existing PLU 19 DTD batteries
- Flowlines - No new flowlines are proposed for this development
- Electrical Lines - No new electrical lines are proposed for this development.
- MSO - No new MSO is proposed for this development.
- Flare - No new flare is proposed for this development.

Location and Types of Water Supply (Section 5):

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 brackish water and/or produced water coming from XTO's Produced and Brackish Water system (32.21174, -103.89822). Water is transported via a pipeline from XTO's Pond and existing midstream system at (32.21174, -103.89822) which will then be pumped 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 flowlines will be permitted via ROW approval letter and proper grants as needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 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 (Section 6):

- Source: 32.21544, -103.83705
- Character: Lifts of compacted caliche
- Intended use: maintenance of existing facilities, well pad, and access roads

Methods for Handling Waste (Section 7):

- 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
- Drilling Fluids. These will be contained in steel mud pits and will be taken to an NMOCD approved commercial disposal facility.
- 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, Debris 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 approved 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.
- 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) 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 (Section 8):

- No ancillary facilities are proposed for this development.

Well Site Layout (Section 9):

- 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 9 of the individual APDs

Plans for surface reclamation (Section 10):

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/or 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. 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 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.

- 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.
- There is no existing vegetation at the existing Well Pad, Roads, and Pipelines.
- Reconstruction Method and 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, native (or otherwise approved) plant 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.

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.
- 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 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.
- Weed Treatment Plan Description: Weed control for all phases will be using approved pesticides and herbicides according to applicable State, Federal and local laws.
- 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.
- 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.

Surface Ownership (Section 11):

The Dog Town Draw 19 development area is owned by the Bureau of land Management (BLM).

Other Information (Section 12):

The XTO Permian Operating, LLC representatives for ensuring compliance of the surface use plan are listed below:
Andrew Mowles
Surface Land Advisor
3617 N Big Spring St
Midland, Texas 79705
432-999-8069

AFMSS

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

PWD Data Report
01/08/2026

APD ID: 10400106757 **Submission Date:** 09/11/2025

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

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

Section 1 - General

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

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Lined pit Monitor description:

Lined pit Monitor

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

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

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

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

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

TDS lab results:

Geologic and hydrologic

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

State

Unlined Produced Water Pit Estimated

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

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

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

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

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD Surface Owner Description :

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD **Well Number:** 426H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

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

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

AFMSS

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

Bond Info Data

01/08/2026

APD ID: 10400106757

Submission Date: 09/11/2025

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 19 DTD

Well Number: 426H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: NMB106723860

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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

Sundry Print Report

11/02/2026

Well Name: POKER LAKE UNIT 19 DTD

Well Location: T24S / R30E / SEC 19 / NENE / 32.209828 / -103.915881

County or Parish/State: EDDY / NM

Well Number: 426H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02860

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2934625

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 09/29/2026

Time Sundry Submitted: 05:22

Date proposed operation will begin: 10/06/2026

Procedure Description: XTO PERMIAN OPERATING, LLC. respectfully requests approval to make the following changes to the approved APD. Changes include SHL, KOP, FTP, LTP, BHL, Proposed Total Depth, Pool name, Dedicated acres, Casing Design, Cement Program, Muds Circulation System. FROM: TO: SHL: 179' FNL & 1136' FEL OF SECTION 19-T24S-R30E 177' FNL & 1566' FEL OF SECTION 19-T24S-R30E KOP: 216' FNL & 1284' FEL OF SECTION 19-T24S-R30E 169' FSL & 1270’ FEL OF SECTION 18-T24S-R30E FTP: 500' FSL & 1284’ FEL OF SECTION 18-T24S-R30E 169' FSL & 1270’ FEL OF SECTION 18-T24S-R30E LTP: 2552' FSL & 1284’ FEL OF SECTION 31-T23S-R30E 2321' FSL & 1251’ FEL OF SECTION 31-T23S-R30E BHL: 2642' FSL & 1284' FEL OF SECTION 31-T23S-R30E 2421' FSL & 1250’ FEL OF SECTION 31-T23S-R30E The field and pool name is changing from WILDCAT S243006B;LWR BONE SPRING to PURPLE SAGE; WOLFCAMP (GAS) & WC-015 G- S233031K; WOLFCAMP. The dedicated acres changing from 1120 to 1922.12 & 240. The proposed total depth is changing from 28122’ MD/ 9688’ TVD to 28538’ MD/ 10668’ TVD No New Surface disturbance. See attached drilling program for the updated casing design, cement program and the mud circulation system.

NOI Attachments

Procedure Description

Poker_Lake_Unit_19_DTD_426H_Sundry_Attachment_20260929170027.pdf

Released to Imaging: 11/16/2026 7:24:17 AM

Well Name: POKER LAKE UNIT 19 DTD

Well Location: T24S / R30E / SEC 19 / NENE / 32.209828 / -103.915881

County or Parish/State: EDDY / NM

Well Number: 426H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM02860

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sundry_2934625_Poker_Lake_Unit_19_DTD_426H_COAs_20261023144327.pdf

Poker_Lake_Unit_19_DTD_Multi_Well_Project_COAs_20261005111617.pdf

Operator

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

Operator Electronic Signature: VISHAL RAJAN

Signed on: SEP 29, 2026 05:22 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Clerk

Street Address: 3617 NORTH BIG SPRING STREET

City: MIDLAND **State:** TX

Phone: (432) 620-6704

Email address: VISHAL.RAJAN@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 10/30/2026

Signature: Chris Walls

Released to Imaging: 11/16/2026 7:24:17 AM

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

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

10. Field and Pool or Exploratory Area

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

11. Country or Parish, State

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

The dedicated acres changing from 1120 to 1922.12 & 240.

The proposed total depth is changing from 28122 MD/ 9688 TVD to 28538 MD/ 10668 TVD

No New Surface disturbance.

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

Location of Well

0. SHL: NENE / 179 FNL / 1136 FEL / TWSP: 24S / RANGE: 30E / SECTION: 19 / LAT: 32.209828 / LONG: -103.915881 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 500 FSL / 1284 FEL / TWSP: 24S / RANGE: 30E / SECTION: 18 / LAT: 32.21169 / LONG: -103.916359 (TVD: 9688 feet, MD: 10099 feet)

PPP: SESE / 0 FNL / 1298 FEL / TWSP: 24S / RANGE: 30E / SECTION: 07 / LAT: 32.224876 / LONG: -103.916354 (TVD: 9688 feet, MD: 14900 feet)

BHL: NESE / 2642 FSL / 1284 FEL / TWSP: 23S / RANGE: 30E / SECTION: 31 / LAT: 32.261233 / LONG: -103.916342 (TVD: 9688 feet, MD: 28122 feet)

CONFIDENTIAL

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 19 DTD 426H
LOCATION:	Sec 19-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2934625** on 10/23/2026. Any previous COAs not addressed within the updated COAs still apply.*

Create COAs

H_2S	Cave / Karst	Waste Prevention Rule
Not Reported	Low	Waste Minimization Plan

Potash	R-111-Q Design
None	

Wellhead	Casing	Cementing
Multibowl	3-String Well	DV Tool, Bradenhead, Echometer, Offline Cement, Open Annulus, Pilot Hole
Flex Hose, Break Testing	Liner, Fluid Filled, Casing Clearance	

Special Requirements			
Capitan Reef	Water Disposal	COM	Unit

Operator has elected to have three casing designs:

1) **Primary Design:** 9-5/8" Surface > 7-5/8" Intermediate > 5-1/2" Production
2) **Contingency Design:** 13-3/8" Surface > 9-5/8" Intermediate > 5-1/2" Production (both hole sizes meet clearance requirements)
3) **Tertiary Design:** 13-3/8" Surface > 8-5/8" Intermediate > 5-1/2" Production

For ease of review, the designs will be referred to as their section (Surface, Intermediate, Production). Please use the information in the sundry and the above specifications to identify design specific requirements.

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H_2S) monitors shall be installed prior to drilling out the surface shoe. If H_2S 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 **surface casing** shall be set at approximately **514** feet (a minimum of **70'** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **Depth adjustment verified by BLM geologist.**
    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater (including lead cement.)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

2. The minimum required fill of cement behind the **intermediate casing** is **cement to surface**. **Depth adjustment verified by BLM geologist.** If cement does not circulate, see B.1.a, c-d above.

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

    Operator has proposed to pump down **Surface X Intermediate 1** annulus. Submit results to the BLM. If cement does not tie back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.
    - Operator shall run a CBL from TD of the **Intermediate 1** casing to tieback requirements after the second stage BH to verify TOC.

3. The minimum required fill of cement behind the **production casing** is at least **200 feet** into previous casing string. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.
    - If cement does not circulate to surface on the previous casing, this string must come to surface.

C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
   Production section will utilize a **10,000 (10M) psi BOP and a 5,000 psi Annular tested to 70% of working pressure.**
   a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
   b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
   c. Manufacturer representative shall install the test plug for the initial BOP test.
   d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
   e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

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

3. Break testing has been approved for this well ONLY on those intervals utilizing a with an expected MASP under 4800 psi. **(Annular preventer must be tested to a minimum of 70% of Annular working pressure and shall be higher than the MASP.)** If in the event break testing is not utilized, then a full BOPE test would be conducted.
   a. Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation. **BOPE Break Testing is NOT permitted to drill the production hole section.**
   b. While in transfer between wells, BOPE shall be secured by the hydraulic carrier or cradle.
   c. A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
   d. As a minimum, a full BOPE test shall be performed at 21-day intervals.
   e. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**. Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.

D. SPECIAL REQUIREMENT(S)

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.

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

GENERAL REQUIREMENTS

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

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

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

- Casing run
- Offline cementing
- Break testing

Contact Eddy County Inspection Staff:

Email **BLM_NM_CFO_DrillingNotifications@BLM.GOV**; The inspector on call phone, 575-361-2822, will remain active as a secondary contact for notifications; calls only, text messages are not accepted at this number.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
    a. In the event the operator proposed to drill multiple wells utilizing a skid / walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the

wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).

b. When the operator proposes to set surface casing with Spudder Rig
   i. Notify the BLM when moving in and removing the Spudder Rig.
   ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
   iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on swell.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will always be operational during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING & CEMENT

1. The current acceptable methods of cement verification are as follows:
   i. Observing cement circulated to surface,
   ii. Cement Bond Log (CBL),
   iii. Temperature log within 8-10 hours after completing the cement job,
   iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500

psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Well specific cement details must be onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hard band drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
iii. Manufacturer representative shall install the test plug for the initial BOP test.
iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
   i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
   ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (This only applies to single stage cement jobs, prior to the cement setting up.)
   iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
   iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000-psi chart for a 5M BOP/BOPE and on a 15000-psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two -our clock.

v. The results of the test shall be reported to the appropriate BLM office.
vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

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

C-102
Revised July 9, 2024
Submit Electronically via OCD Permitting

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015- 59179	98220	PURPLE SAGE;WOLFCAMP (GAS)

Property Code	Property Name	Well Number
333976	POKER LAKE UNIT 19 DTD	426H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3176'

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
B	19	24S	30E		177 FNL	1,566 FEL	32.209820	-103.917272	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,421 FSL	1,250 FEL	32.260628	-103.916231	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,922.12	INFILL	POKER LAKE UNIT 19 DTD 228H	N	U

Order Numbers: NSP - PENDING
Well setbacks are under Common Ownership: ☒Yes ☐No ☐N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	24S	30E		169 FSL	1,270 FEL	32.210781	-103.916316	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	24S	30E		169 FSL	1,270 FEL	32.210781	-103.916316	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,321 FSL	1,251 FEL	32.260353	-103.916231	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM105422429	☒ Horizontal ☐ Vertical	3208'

OPERATOR CERTIFICATIONS

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

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

Vishal Rajan — 09/25/2026
Signature — Date

Vishal Rajan
Printed Name

vishal.rajan@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

23786 — Certificate Number
09-08-2026 — Date of Survey

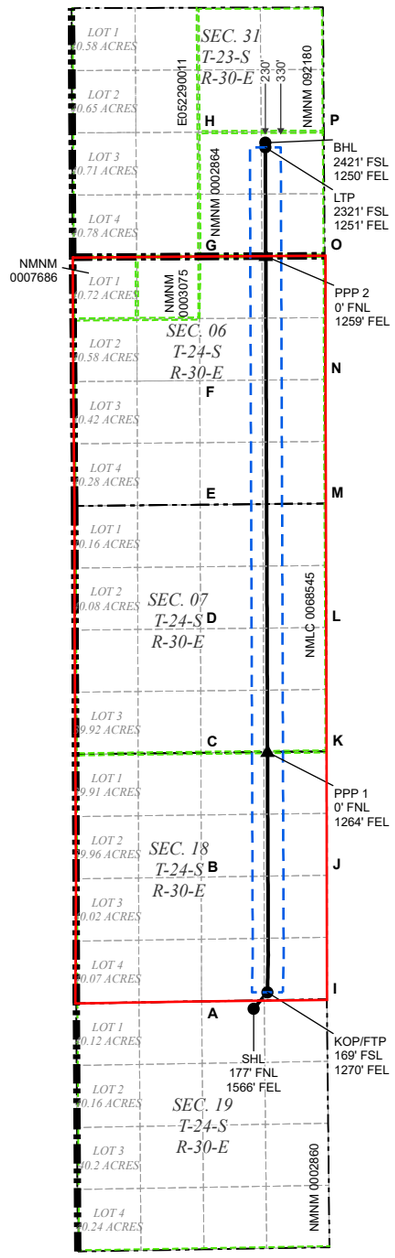
DN 618.013003.05-82

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

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

WELL COORDINATE TABLE

WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL	670,017.5	440,315.6	32.209820	-103.917272	628,833.9	440,256.3	32.209695	-103.916784
KOP/FTP	670,311.9	440,666.3	32.210781	-103.916316	629,128.2	440,607.0	32.210656	-103.915828
LTP	670,268.0	458,700.2	32.260353	-103.916231	629,085.0	458,640.4	32.260229	-103.915741
BHL	670,267.7	458,800.2	32.260628	-103.916231	629,084.6	458,740.4	32.260504	-103.915741
PPP 1	670,313.5	445,794.2	32.224876	-103.916246	629,130.0	445,734.7	32.224752	-103.915757
PPP 2	670,276.2	456,378.7	32.253972	-103.916234	629,093.1	456,319.0	32.253848	-103.915744

CORNER COORDINATE TABLE

CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	668,907.1	440,474.1	627,723.5	440,414.8
B	668,899.9	443,126.5	627,716.3	443,067.1
C	668,892.6	445,777.6	627,709.1	445,718.2
D	668,884.1	448,425.2	627,700.7	448,365.7
E	668,875.7	451,073.5	627,692.4	451,014.0
F	668,867.9	453,722.6	627,684.7	453,662.9
G	668,860.1	456,369.2	627,677.0	456,309.5
H	668,841.3	459,023.1	627,658.3	458,963.3
I	671,581.7	440,518.0	630,398.0	440,458.7
J	671,579.8	443,164.9	630,396.3	443,105.5
K	671,577.7	445,808.9	630,394.3	445,749.5
L	671,566.6	448,453.6	630,383.2	448,394.1
M	671,553.3	451,099.5	630,370.0	451,039.9
N	671,542.5	453,745.0	630,359.3	453,685.3
O	671,534.9	456,387.2	630,351.8	456,327.5
P	671,516.4	459,036.4	630,333.4	458,976.6

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

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

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

C-102
Revised July 9, 2024
Submit Electronically
via OCD Permitting

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-59179	98241	WC-015 G- S233031K;WOLFCAMP

Property Code	Property Name	Well Number
333976	POKER LAKE UNIT 19 DTD	426H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3176'

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
B	19	24S	30E		177 FNL	1,566 FEL	32.209820	-103.917272	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,421 FSL	1,250 FEL	32.260628	-103.916231	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
240.00	INFILL	POKER LAKE UNIT 19 DTD 228H	N	U

Order Numbers: NSP - PENDING
Well setbacks are under Common Ownership: ☒Yes ☐No ☐N/A

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	24S	30E		169 FSL	1,270 FEL	32.210781	-103.916316	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	18	24S	30E		169 FSL	1,270 FEL	32.210781	-103.916316	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	31	23S	30E		2,321 FSL	1,251 FEL	32.260353	-103.916231	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM105422429	☒ Horizontal ☐ Vertical	3208'

OPERATOR CERTIFICATIONS

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

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

Vishal Rajan — 09/25/2026
Signature — Date

Vishal Rajan
Printed Name

vishal.rajan@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor

23786 — Certificate Number
09-08-2026 — Date of Survey

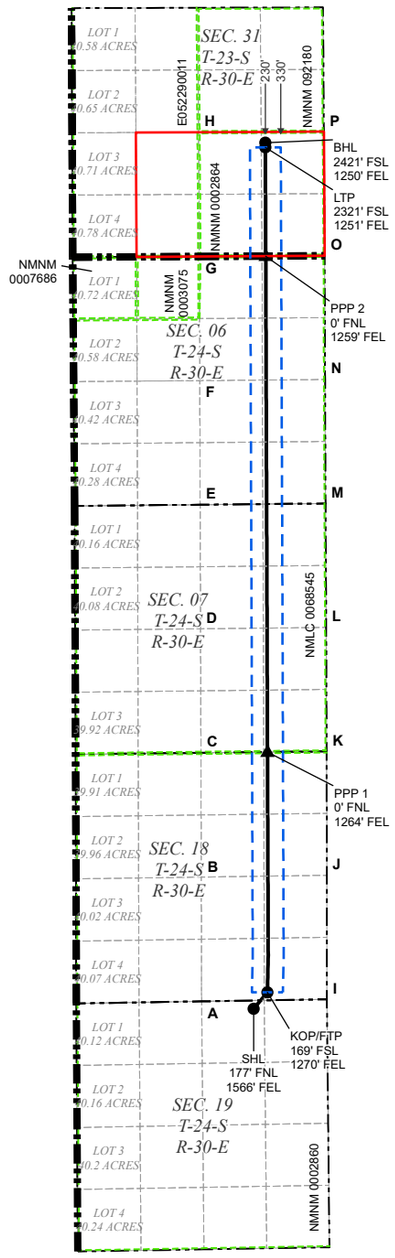
DN 618.013003.05-82

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

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

WELL COORDINATE TABLE

WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL	670,017.5	440,315.6	32.209820	-103.917272	628,833.9	440,256.3	32.209695	-103.916784
KOP/FTP	670,311.9	440,666.3	32.210781	-103.916316	629,128.2	440,607.0	32.210656	-103.915828
LTP	670,268.0	458,700.2	32.260353	-103.916231	629,085.0	458,640.4	32.260229	-103.915741
BHL	670,267.7	458,800.2	32.260628	-103.916231	629,084.6	458,740.4	32.260504	-103.915741
PPP 1	670,313.5	445,794.2	32.224876	-103.916246	629,130.0	445,734.7	32.224752	-103.915757
PPP 2	670,276.2	456,378.7	32.253972	-103.916234	629,093.1	456,319.0	32.253848	-103.915744

CORNER COORDINATE TABLE

CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	668,907.1	440,474.1	627,723.5	440,414.8
B	668,899.9	443,126.5	627,716.3	443,067.1
C	668,892.6	445,777.6	627,709.1	445,718.2
D	668,884.1	448,425.2	627,700.7	448,365.7
E	668,875.7	451,073.5	627,692.4	451,014.0
F	668,867.9	453,722.6	627,684.7	453,662.9
G	668,860.1	456,369.2	627,677.0	456,309.5
H	668,841.3	459,023.1	627,658.3	458,963.3
I	671,581.7	440,518.0	630,398.0	440,458.7
J	671,579.8	443,164.9	630,396.3	443,105.5
K	671,577.7	445,808.9	630,394.3	445,749.5
L	671,566.6	448,453.6	630,383.2	448,394.1
M	671,553.3	451,099.5	630,370.0	451,039.9
N	671,542.5	453,745.0	630,359.3	453,685.3
O	671,534.9	456,387.2	630,351.8	456,327.5
P	671,516.4	459,036.4	630,333.4	458,976.6

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

ExxonMobil
POKER LAKE UNIT 19 DTD - 426H
Projected TD: 28538' MD / 10668' TVD
SHL: 177' FNL & 1566' FEL , Section 19, T24S, R30E
BHL: 2421' FSL & 1250' FEL , Section 31, T23S, 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	243'	Water
Salado	524'	Water
Base of Salt	3247'	Water
Delaware	3477'	Water
Cherry Canyon	4391'	Water/Oil/Gas
Brushy Canyon	5980'	Water/Oil/Gas
Bone Spring Lm.	7258'	Water/Oil/Gas
Lower Avalon	7920'	Water/Oil/Gas
1st Bone Spring Lime	8060'	Water/Oil/Gas
1st Bone Spring Sand	8270'	Water/Oil/Gas
2nd Bone Spring Shale	8558'	Water/Oil/Gas
2nd Bone Spring Lime	8671'	Water/Oil/Gas
2nd Bone Spring Sand	8916'	Water/Oil/Gas
2nd Bone Spring A Sand	9086'	Water/Oil/Gas
2nd Bone Spring Mid Carb	9227'	Water/Oil/Gas
2nd Bone Spring B Sand	9297'	Water/Oil/Gas
3rd Bone Spring Lime	9382'	Water/Oil/Gas
Harkey	9753'	Water/Oil/Gas
3rd Bone Spring Shale	9781'	Water/Oil/Gas
3rd Bone Spring Sand	10176'	Water/Oil/Gas
Wolfcamp	10564'	Water/Oil/Gas
Wolfcamp X	10584'	Water/Oil/Gas
Wolfcamp Y	10662'	Water/Oil/Gas
Wolfcamp Y Landing	10668'	Water/Oil/Gas
Wolfcamp A	10712'	Water/Oil/Gas

Section 2 Summary:

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" inch casing at 514' and circulating cement back to surface.

3. Primary Casing Design

Primary Design:

Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25"	0' – 514'	514'	9-5/8"	40	J55	BTC	New	25.05	23.09	6.05
8.75"	0' – 4000'	3957'	7-5/8"	29.7	P110-ICY	Tenaris Wedge 511	New	6.00	8.59	3.10
8.75"	4000' – 9896'	9852'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	2.21	4.66	2.21
6.75"	0' – 9796'	9752'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	2.91	2.69
6.75"	9796' – 28538'	10668'	5-1/2"	20	P110-ICY	Tenaris Wedge 441	New	1.18	2.66	2.69

Section 3 Summary:

Exxon Mobil will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 9996' MD / 9952' TVD.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String Slim Non-Potash

Wellhead will be installed by manufacturer's representatives.

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

4. Cement Program

Primary Cementing								
Hole Section	**Slurry Type**	**No. Sacks**	**Density (ppg)**	**Yield (ft3/sack)**	**TOC (ft)**	**Casing Setting Depth (MD)**	**Excess (%)**	**Slurry Description**
Surface 1	Lead	64	12.4	2.11	0	514	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	141	14.8	1.33	214	514	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	366	14.8	1.45	5980	9,896	35%	Intermediate 1 Class C Tail Cement
Production 1	Lead							
Production 1	Tail	1359	13.2	1.44	9396	28,538	25%	Production 1 Class C Tail Cement

Breadenhead Cementing							
Casing	**Slurry Type**	**No. Sacks**	**Density (ppg)**	**Yield (ft3/sack)**	**Cemented Interval**	**Excess (%)**	**Slurry Description**
Intermediate 1	Bradenhead Squeeze	559	14.8	1.45	0 - 5980'	35%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline. Depending on TOC based on the CBL, additional perf & squeeze remediation may be required to achieve strata isolation before proceeding

3B. Contingency Casing Design

Primary Design:

Hole Size	MD	Casing	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 514'	514'	13-3/8"	54.5	J55	BTC	New	17.37	10.15	6.86
12.25	0' – 4000'	3957'	9-5/8"	40	P110-IC	BTC	New	4.29	4.96	3.63
12.25	4000' – 9896'	9852'	9-5/8"	40	L80-IC	BTC	New	2.53	3.35	3.63
8.75 / 8.5	0' – 28538'	10668'	5-1/2"	20	P110-CY	Tenaris Wedge 441	New	1.18	2.40	2.46

Section 3 Summary:

Exxon Mobil will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 9996' MD / 9952' TVD.
ExxonMobil requests approval to maintain flexibility in the final well design and casing program. Depending on operational conditions and contingencies encountered during drilling, open holes, casing sizes, depths, and configurations may vary from the primary design and may incorporate elements of the contingency design as needed. The final casing program may consist of a combination of the proposed casing strings to optimize well construction while ensuring full compliance with all applicable regulatory requirements. Cement volumes and related calculations will be revised accordingly to reflect any modifications to the final casing design.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String Big Non-Potash

Wellhead will be installed by manufacturer's representatives.

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

4B. Contingency Cement Program

Primary Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	141	12.4	2.11	0	514	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	313	14.8	1.33	214	514	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	1142	14.8	1.45	5980	9,896	35%	Intermediate 1 Class C Tail Cement
Production 1 Late	Lead							
Production 1 Late	Tail	4198	13.2	1.44	9396	28,538	25%	Production 1 Lateral Class C Tail Cement

2nd Stage Bradenhead Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead	1744	14.8	1.45	0 - 5980'	35%	Intermediate Class C Bradenhead Squeeze

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline. Depending on TOC based on the CBL, additional perf & squeeze remediation may be required to achieve strata isolation before proceeding

3C. Tertiary Contingency Casing Design

Tertiary Contingency Design:

Hole Size	MD	Casing	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 514'	514'	13-3/8"	54.5	J55	BTC	New	17.37	10.15	6.86
9.875	0' – 4000'	3957'	8-5/8"	32	P110	W441	New	4.26	3.99	2.75
9.875	4000' – 9896'	9852'	8-5/8"	32	L80-IC	W441	New	2.52	2.70	2.83
7.875	0' – 28538'	10668'	5-1/2"	20	P110-CY	Tenaris Wedge 441	New	1.18	2.40	2.46

Section 3 Summary:

Exxon Mobil will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 9996' MD / 9952' TVD.
ExxonMobil requests approval to maintain flexibility in the final well design and casing program. Depending on operational conditions and contingencies encountered during drilling, open holes, casing sizes, depths, and configurations may vary from the primary design and may incorporate elements of the contingency design as needed. The final casing program may consist of a combination of the proposed casing strings to optimize well construction while ensuring full compliance with all applicable regulatory requirements. Cement volumes and related calculations will be revised accordingly to reflect any modifications to the final casing design.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String for 7 7/8

Wellhead will be installed by manufacturer's representatives.

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

4C. Tertiary Contingency Cement Program

Primary Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	141	12.4	2.11	0	514	100%	Surface 1 Class C Lead Cement
Surface 1	Tail	313	14.8	1.33	214	514	100%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	460	14.8	1.45	5980	9,896	35%	Intermediate 1 Class C Tail Cement
Production 1 Late	Lead							
Production 1 Late	Tail	2879	13.2	1.44	9396	28,538	25%	Production 1 Lateral Class C Tail Cement

2nd Stage Bradenhead Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead	702	14.8	1.45	0 - 5980'	35%	Intermediate Class C Bradenhead Squeeze

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline. Depending on TOC based on the CBL, additional perf & squeeze remediation may be required to achieve strata isolation before proceeding

5. Pressure Control Equipment

Section 5 Summary:

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

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

No break testing will be done if the intermediate MASP is >4800 psi or if deepest intermediate casing point is set at >12000' TVD"

Requested Variances

4A) Offline Cementing Variance
XOM requests the option to perform offline cement and bradenhead jobs (if needed) SURFACE, INTERMEDIATE, and PRODUCTION casing strings where batch drilling is approved. XOM will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance
A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. Variance is requested only for intermediate hole sections where MASP <4800 psi and intermediate hole sections do not exceed 12,000' TVD.

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

8A) Open Hole Logging Variance
Open hole logging is not planned on this well.

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 514'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
514' – 9896'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
9896' – 28538'	6.75"	OBM	9.5 - 11.5	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

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

Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

Section 7 Summary:

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging is not planned on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

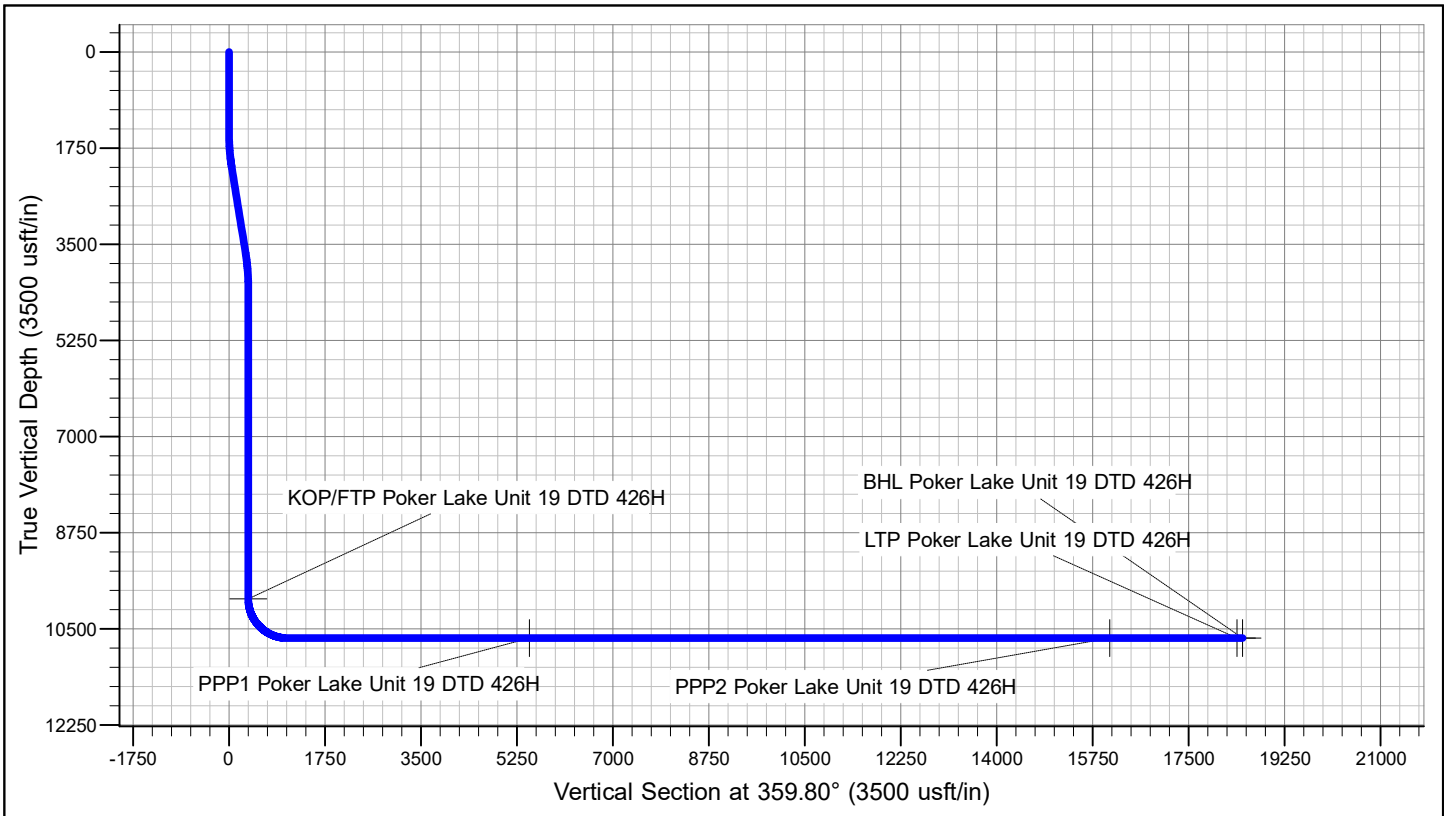
The estimated bottom hole temperature of 171F to 191F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

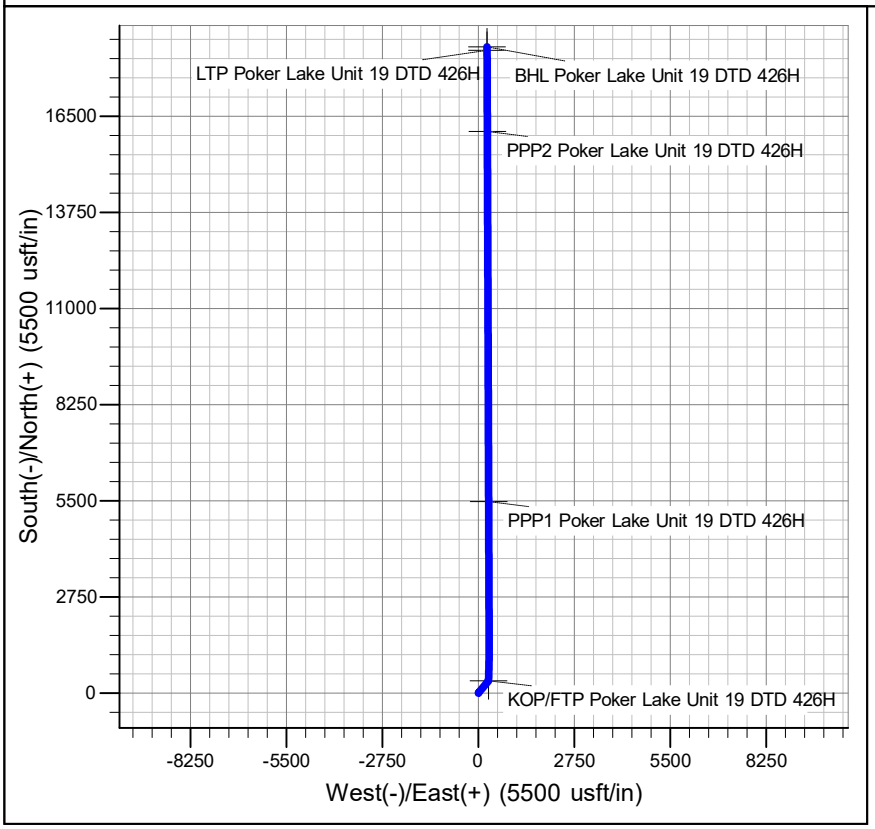
10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

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

Site: Poker Lake Unit 19 DTD - Pad D1
Well: Poker Lake Unit 19 DTD 426H
Wellbore: OH
Design: Prelim Plan





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
243.0	243.0	Rustler
524.0	524.0	Salado
3247.0	3277.1	Base of Salt
3477.0	3512.2	Delaware
4391.0	4434.7	Cherry Canyon
5980.0	6023.7	Brushy Canyon
7258.0	7301.7	Bone Spring Lm.
7920.0	7963.7	Lower Avalon
8060.0	8103.7	1st Bone Spring Lime
8270.0	8313.7	1st Bone Spring Sand
8558.0	8601.7	2nd Bone Spring Shale
8671.0	8714.7	2nd Bone Spring Lime
8916.0	8959.7	2nd Bone Spring Sand
9086.0	9129.7	2nd Bone Spring A Sand
9227.0	9270.7	2nd Bone Spring Mid Carb
9297.0	9340.7	2nd Bone Spring B Sand
9382.0	9425.7	3rd Bone Spring Lime
9753.0	9796.7	Harkey
9781.0	9824.7	3rd Bone Spring Shale
10176.0	10223.6	3rd Bone Spring Sand
10564.0	10729.7	Wolfcamp
10584.0	10770.2	Wolfcamp X
10662.0	11027.8	Wolfcamp Y
10668.0	11120.5	Wolfcamp Y Landing

ROC

Long Lead - PLU 19 DTD (NAD27 NME)
Poker Lake Unit 19 DTD - Pad D1
Poker Lake Unit 19 DTD 426H

OH

Plan: Prelim Plan

Standard Planning Report

23 September, 2026

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Project Long Lead - PLU 19 DTD (NAD27 NME)

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

Site Poker Lake Unit 19 DTD - Pad D1

Site Position:		**Northing:**	440,255.98 usft	**Latitude:**	32° 12' 34.904 N
From:	Map	**Easting:**	628,743.65 usft	**Longitude:**	103° 55' 1.472 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Poker Lake Unit 19 DTD 426H

Well Position	**+N/-S**	0.0 usft	**Northing:**	440,256.30 usft	**Latitude:**	32° 12' 34.904 N
	+E/-W	0.0 usft	**Easting:**	628,833.90 usft	**Longitude:**	103° 55' 0.422 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,176.0 usft
Grid Convergence:		0.22 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/27/2026	6.13	59.67	46,946.46651949

Design Prelim Plan

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.80

Plan Survey Tool Program **Date** 9/10/2026

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	28,537.7	Prelim Plan (OH)	XOM_R2OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-St	

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,100.0	12.00	40.00	2,095.6	48.0	40.2	2.00	2.00	0.00	40.00	
3,700.0	12.00	40.00	3,660.7	302.8	254.1	0.00	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,256.3	350.7	294.3	2.00	-2.00	0.00	180.00	
9,995.5	0.00	0.00	9,951.8	350.7	294.3	0.00	0.00	0.00	0.00	
11,120.5	90.00	1.30	10,668.0	1,066.8	310.6	8.00	8.00	0.00	1.30	
11,195.5	90.00	359.80	10,668.0	1,141.8	311.3	2.00	0.00	-2.00	-90.00	
28,438.0	90.00	359.80	10,668.0	18,384.1	251.1	0.00	0.00	0.00	0.00	LTP Poker Lake Unit
28,538.0	90.00	359.80	10,668.0	18,484.1	250.7	0.00	0.00	0.00	0.00	BHL Poker Lake Unit

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
243.0	0.00	0.00	243.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
524.0	0.00	0.00	524.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.00	40.00	1,600.0	1.3	1.1	1.3	2.00	2.00	0.00
1,700.0	4.00	40.00	1,699.8	5.3	4.5	5.3	2.00	2.00	0.00
1,800.0	6.00	40.00	1,799.5	12.0	10.1	12.0	2.00	2.00	0.00
1,900.0	8.00	40.00	1,898.7	21.4	17.9	21.3	2.00	2.00	0.00
2,000.0	10.00	40.00	1,997.5	33.3	28.0	33.2	2.00	2.00	0.00
2,100.0	12.00	40.00	2,095.6	48.0	40.2	47.8	2.00	2.00	0.00
2,200.0	12.00	40.00	2,193.4	63.9	53.6	63.7	0.00	0.00	0.00
2,300.0	12.00	40.00	2,291.3	79.8	67.0	79.6	0.00	0.00	0.00
2,400.0	12.00	40.00	2,389.1	95.7	80.3	95.5	0.00	0.00	0.00
2,500.0	12.00	40.00	2,486.9	111.7	93.7	111.3	0.00	0.00	0.00
2,600.0	12.00	40.00	2,584.7	127.6	107.1	127.2	0.00	0.00	0.00
2,700.0	12.00	40.00	2,682.5	143.5	120.4	143.1	0.00	0.00	0.00
2,800.0	12.00	40.00	2,780.3	159.4	133.8	159.0	0.00	0.00	0.00
2,900.0	12.00	40.00	2,878.1	175.4	147.2	174.9	0.00	0.00	0.00
3,000.0	12.00	40.00	2,976.0	191.3	160.5	190.7	0.00	0.00	0.00
3,100.0	12.00	40.00	3,073.8	207.2	173.9	206.6	0.00	0.00	0.00
3,200.0	12.00	40.00	3,171.6	223.2	187.2	222.5	0.00	0.00	0.00
3,277.1	12.00	40.00	3,247.0	235.4	197.6	234.7	0.00	0.00	0.00
Base of Salt									
3,300.0	12.00	40.00	3,269.4	239.1	200.6	238.4	0.00	0.00	0.00
3,400.0	12.00	40.00	3,367.2	255.0	214.0	254.3	0.00	0.00	0.00
3,500.0	12.00	40.00	3,465.0	270.9	227.3	270.1	0.00	0.00	0.00
3,512.2	12.00	40.00	3,477.0	272.9	229.0	272.1	0.00	0.00	0.00
Delaware									
3,600.0	12.00	40.00	3,562.8	286.9	240.7	286.0	0.00	0.00	0.00
3,700.0	12.00	40.00	3,660.7	302.8	254.1	301.9	0.00	0.00	0.00
3,800.0	10.00	40.00	3,758.8	317.4	266.3	316.5	2.00	-2.00	0.00
3,900.0	8.00	40.00	3,857.6	329.4	276.4	328.4	2.00	-2.00	0.00
4,000.0	6.00	40.00	3,956.8	338.7	284.2	337.7	2.00	-2.00	0.00
4,100.0	4.00	40.00	4,056.4	345.4	289.8	344.4	2.00	-2.00	0.00
4,200.0	2.00	40.00	4,156.3	349.4	293.2	348.4	2.00	-2.00	0.00
4,300.0	0.00	0.00	4,256.3	350.7	294.3	349.7	2.00	-2.00	0.00
4,400.0	0.00	0.00	4,356.3	350.7	294.3	349.7	0.00	0.00	0.00
4,434.7	0.00	0.00	4,391.0	350.7	294.3	349.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Cherry Canyon									
4,500.0	0.00	0.00	4,456.3	350.7	294.3	349.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,556.3	350.7	294.3	349.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,656.3	350.7	294.3	349.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,756.3	350.7	294.3	349.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,856.3	350.7	294.3	349.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,956.3	350.7	294.3	349.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,056.3	350.7	294.3	349.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,156.3	350.7	294.3	349.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,256.3	350.7	294.3	349.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,356.3	350.7	294.3	349.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,456.3	350.7	294.3	349.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,556.3	350.7	294.3	349.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,656.3	350.7	294.3	349.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,756.3	350.7	294.3	349.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,856.3	350.7	294.3	349.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,956.3	350.7	294.3	349.7	0.00	0.00	0.00
6,023.7	0.00	0.00	5,980.0	350.7	294.3	349.7	0.00	0.00	0.00
Brushy Canyon									
6,100.0	0.00	0.00	6,056.3	350.7	294.3	349.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,156.3	350.7	294.3	349.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,256.3	350.7	294.3	349.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,356.3	350.7	294.3	349.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,456.3	350.7	294.3	349.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,556.3	350.7	294.3	349.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,656.3	350.7	294.3	349.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,756.3	350.7	294.3	349.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,856.3	350.7	294.3	349.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,956.3	350.7	294.3	349.7	0.00	0.00	0.00
7,100.0	0.00	0.00	7,056.3	350.7	294.3	349.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,156.3	350.7	294.3	349.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,256.3	350.7	294.3	349.7	0.00	0.00	0.00
7,301.7	0.00	0.00	7,258.0	350.7	294.3	349.7	0.00	0.00	0.00
Bone Spring Lm.									
7,400.0	0.00	0.00	7,356.3	350.7	294.3	349.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,456.3	350.7	294.3	349.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,556.3	350.7	294.3	349.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,656.3	350.7	294.3	349.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,756.3	350.7	294.3	349.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,856.3	350.7	294.3	349.7	0.00	0.00	0.00
7,963.7	0.00	0.00	7,920.0	350.7	294.3	349.7	0.00	0.00	0.00
Lower Avalon									
8,000.0	0.00	0.00	7,956.3	350.7	294.3	349.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,056.3	350.7	294.3	349.7	0.00	0.00	0.00
8,103.7	0.00	0.00	8,060.0	350.7	294.3	349.7	0.00	0.00	0.00
1st Bone Spring Lime									
8,200.0	0.00	0.00	8,156.3	350.7	294.3	349.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,256.3	350.7	294.3	349.7	0.00	0.00	0.00
8,313.7	0.00	0.00	8,270.0	350.7	294.3	349.7	0.00	0.00	0.00
1st Bone Spring Sand									
8,400.0	0.00	0.00	8,356.3	350.7	294.3	349.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,456.3	350.7	294.3	349.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,556.3	350.7	294.3	349.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,601.7	0.00	0.00	8,558.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring Shale									
8,700.0	0.00	0.00	8,656.3	350.7	294.3	349.7	0.00	0.00	0.00
8,714.7	0.00	0.00	8,671.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring Lime									
8,800.0	0.00	0.00	8,756.3	350.7	294.3	349.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,856.3	350.7	294.3	349.7	0.00	0.00	0.00
8,959.7	0.00	0.00	8,916.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring Sand									
9,000.0	0.00	0.00	8,956.3	350.7	294.3	349.7	0.00	0.00	0.00
9,100.0	0.00	0.00	9,056.3	350.7	294.3	349.7	0.00	0.00	0.00
9,129.7	0.00	0.00	9,086.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring A Sand									
9,200.0	0.00	0.00	9,156.3	350.7	294.3	349.7	0.00	0.00	0.00
9,270.7	0.00	0.00	9,227.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring Mid Carb									
9,300.0	0.00	0.00	9,256.3	350.7	294.3	349.7	0.00	0.00	0.00
9,340.7	0.00	0.00	9,297.0	350.7	294.3	349.7	0.00	0.00	0.00
2nd Bone Spring B Sand									
9,400.0	0.00	0.00	9,356.3	350.7	294.3	349.7	0.00	0.00	0.00
9,425.7	0.00	0.00	9,382.0	350.7	294.3	349.7	0.00	0.00	0.00
3rd Bone Spring Lime									
9,500.0	0.00	0.00	9,456.3	350.7	294.3	349.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,556.3	350.7	294.3	349.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,656.3	350.7	294.3	349.7	0.00	0.00	0.00
9,796.7	0.00	0.00	9,753.0	350.7	294.3	349.7	0.00	0.00	0.00
Harkey									
9,800.0	0.00	0.00	9,756.3	350.7	294.3	349.7	0.00	0.00	0.00
9,824.7	0.00	0.00	9,781.0	350.7	294.3	349.7	0.00	0.00	0.00
3rd Bone Spring Shale									
9,900.0	0.00	0.00	9,856.3	350.7	294.3	349.7	0.00	0.00	0.00
9,995.5	0.00	0.00	9,951.8	350.7	294.3	349.7	0.00	0.00	0.00
10,000.0	0.36	1.30	9,956.3	350.8	294.3	349.7	8.00	8.00	0.00
10,100.0	8.36	1.30	10,055.9	358.3	294.5	357.3	8.00	8.00	0.00
10,200.0	16.36	1.30	10,153.5	379.7	295.0	378.7	8.00	8.00	0.00
10,223.6	18.24	1.30	10,176.0	386.7	295.1	385.7	8.00	8.00	0.00
3rd Bone Spring Sand									
10,300.0	24.36	1.30	10,247.2	414.5	295.8	413.4	8.00	8.00	0.00
10,400.0	32.36	1.30	10,335.1	461.9	296.8	460.9	8.00	8.00	0.00
10,500.0	40.36	1.30	10,415.6	521.2	298.2	520.1	8.00	8.00	0.00
10,600.0	48.36	1.30	10,487.0	591.0	299.8	589.9	8.00	8.00	0.00
10,700.0	56.36	1.30	10,548.0	670.1	301.6	669.0	8.00	8.00	0.00
10,729.7	58.74	1.30	10,564.0	695.2	302.1	694.1	8.00	8.00	0.00
Wolfcamp									
10,770.2	61.97	1.30	10,584.0	730.3	302.9	729.2	8.00	8.00	0.00
Wolfcamp X									
10,800.0	64.36	1.30	10,597.5	756.9	303.5	755.8	8.00	8.00	0.00
10,900.0	72.36	1.30	10,634.3	849.8	305.6	848.7	8.00	8.00	0.00
11,000.0	80.36	1.30	10,657.9	946.8	307.8	945.8	8.00	8.00	0.00
11,027.8	82.58	1.30	10,662.0	974.3	308.5	973.2	8.00	8.00	0.00
Wolfcamp Y									
11,100.0	88.36	1.30	10,667.7	1,046.2	310.1	1,045.2	8.00	8.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,120.5	90.00	1.30	10,668.0	1,066.8	310.6	1,065.7	8.00	8.00	0.00
Wolfcamp Y Landing									
11,195.5	90.00	359.80	10,668.0	1,141.8	311.3	1,140.7	2.00	0.00	-2.00
11,200.0	90.00	359.80	10,668.0	1,146.2	311.3	1,145.1	0.00	0.00	0.00
11,300.0	90.00	359.80	10,668.0	1,246.2	310.9	1,245.1	0.00	0.00	0.00
11,400.0	90.00	359.80	10,668.0	1,346.2	310.6	1,345.1	0.00	0.00	0.00
11,500.0	90.00	359.80	10,668.0	1,446.2	310.2	1,445.1	0.00	0.00	0.00
11,600.0	90.00	359.80	10,668.0	1,546.2	309.9	1,545.1	0.00	0.00	0.00
11,700.0	90.00	359.80	10,668.0	1,646.2	309.5	1,645.1	0.00	0.00	0.00
11,800.0	90.00	359.80	10,668.0	1,746.2	309.2	1,745.1	0.00	0.00	0.00
11,900.0	90.00	359.80	10,668.0	1,846.2	308.8	1,845.1	0.00	0.00	0.00
12,000.0	90.00	359.80	10,668.0	1,946.2	308.5	1,945.1	0.00	0.00	0.00
12,100.0	90.00	359.80	10,668.0	2,046.2	308.1	2,045.1	0.00	0.00	0.00
12,200.0	90.00	359.80	10,668.0	2,146.2	307.8	2,145.1	0.00	0.00	0.00
12,300.0	90.00	359.80	10,668.0	2,246.2	307.4	2,245.1	0.00	0.00	0.00
12,400.0	90.00	359.80	10,668.0	2,346.2	307.1	2,345.1	0.00	0.00	0.00
12,500.0	90.00	359.80	10,668.0	2,446.2	306.7	2,445.1	0.00	0.00	0.00
12,600.0	90.00	359.80	10,668.0	2,546.2	306.4	2,545.1	0.00	0.00	0.00
12,700.0	90.00	359.80	10,668.0	2,646.2	306.0	2,645.1	0.00	0.00	0.00
12,800.0	90.00	359.80	10,668.0	2,746.2	305.7	2,745.1	0.00	0.00	0.00
12,900.0	90.00	359.80	10,668.0	2,846.2	305.3	2,845.1	0.00	0.00	0.00
13,000.0	90.00	359.80	10,668.0	2,946.2	305.0	2,945.1	0.00	0.00	0.00
13,100.0	90.00	359.80	10,668.0	3,046.2	304.6	3,045.1	0.00	0.00	0.00
13,200.0	90.00	359.80	10,668.0	3,146.2	304.3	3,145.1	0.00	0.00	0.00
13,300.0	90.00	359.80	10,668.0	3,246.2	303.9	3,245.1	0.00	0.00	0.00
13,400.0	90.00	359.80	10,668.0	3,346.2	303.6	3,345.1	0.00	0.00	0.00
13,500.0	90.00	359.80	10,668.0	3,446.2	303.2	3,445.1	0.00	0.00	0.00
13,600.0	90.00	359.80	10,668.0	3,546.2	302.9	3,545.1	0.00	0.00	0.00
13,700.0	90.00	359.80	10,668.0	3,646.2	302.5	3,645.1	0.00	0.00	0.00
13,800.0	90.00	359.80	10,668.0	3,746.2	302.2	3,745.1	0.00	0.00	0.00
13,900.0	90.00	359.80	10,668.0	3,846.2	301.8	3,845.1	0.00	0.00	0.00
14,000.0	90.00	359.80	10,668.0	3,946.2	301.5	3,945.1	0.00	0.00	0.00
14,100.0	90.00	359.80	10,668.0	4,046.2	301.1	4,045.1	0.00	0.00	0.00
14,200.0	90.00	359.80	10,668.0	4,146.2	300.8	4,145.1	0.00	0.00	0.00
14,300.0	90.00	359.80	10,668.0	4,246.2	300.4	4,245.1	0.00	0.00	0.00
14,400.0	90.00	359.80	10,668.0	4,346.2	300.1	4,345.1	0.00	0.00	0.00
14,500.0	90.00	359.80	10,668.0	4,446.2	299.7	4,445.1	0.00	0.00	0.00
14,600.0	90.00	359.80	10,668.0	4,546.2	299.4	4,545.1	0.00	0.00	0.00
14,700.0	90.00	359.80	10,668.0	4,646.2	299.0	4,645.1	0.00	0.00	0.00
14,800.0	90.00	359.80	10,668.0	4,746.2	298.7	4,745.1	0.00	0.00	0.00
14,900.0	90.00	359.80	10,668.0	4,846.2	298.3	4,845.1	0.00	0.00	0.00
15,000.0	90.00	359.80	10,668.0	4,946.2	298.0	4,945.1	0.00	0.00	0.00
15,100.0	90.00	359.80	10,668.0	5,046.2	297.6	5,045.1	0.00	0.00	0.00
15,200.0	90.00	359.80	10,668.0	5,146.2	297.3	5,145.1	0.00	0.00	0.00
15,300.0	90.00	359.80	10,668.0	5,246.2	297.0	5,245.1	0.00	0.00	0.00
15,400.0	90.00	359.80	10,668.0	5,346.2	296.6	5,345.1	0.00	0.00	0.00
15,500.0	90.00	359.80	10,668.0	5,446.2	296.3	5,445.1	0.00	0.00	0.00
15,600.0	90.00	359.80	10,668.0	5,546.2	295.9	5,545.1	0.00	0.00	0.00
15,700.0	90.00	359.80	10,668.0	5,646.2	295.6	5,645.1	0.00	0.00	0.00
15,800.0	90.00	359.80	10,668.0	5,746.2	295.2	5,745.1	0.00	0.00	0.00
15,900.0	90.00	359.80	10,668.0	5,846.2	294.9	5,845.1	0.00	0.00	0.00
16,000.0	90.00	359.80	10,668.0	5,946.2	294.5	5,945.1	0.00	0.00	0.00
16,100.0	90.00	359.80	10,668.0	6,046.2	294.2	6,045.1	0.00	0.00	0.00
16,200.0	90.00	359.80	10,668.0	6,146.2	293.8	6,145.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,300.0	90.00	359.80	10,668.0	6,246.2	293.5	6,245.1	0.00	0.00	0.00
16,400.0	90.00	359.80	10,668.0	6,346.2	293.1	6,345.1	0.00	0.00	0.00
16,500.0	90.00	359.80	10,668.0	6,446.2	292.8	6,445.1	0.00	0.00	0.00
16,600.0	90.00	359.80	10,668.0	6,546.2	292.4	6,545.1	0.00	0.00	0.00
16,700.0	90.00	359.80	10,668.0	6,646.2	292.1	6,645.1	0.00	0.00	0.00
16,800.0	90.00	359.80	10,668.0	6,746.2	291.7	6,745.1	0.00	0.00	0.00
16,900.0	90.00	359.80	10,668.0	6,846.2	291.4	6,845.1	0.00	0.00	0.00
17,000.0	90.00	359.80	10,668.0	6,946.2	291.0	6,945.1	0.00	0.00	0.00
17,100.0	90.00	359.80	10,668.0	7,046.2	290.7	7,045.1	0.00	0.00	0.00
17,200.0	90.00	359.80	10,668.0	7,146.2	290.3	7,145.1	0.00	0.00	0.00
17,300.0	90.00	359.80	10,668.0	7,246.2	290.0	7,245.1	0.00	0.00	0.00
17,400.0	90.00	359.80	10,668.0	7,346.2	289.6	7,345.1	0.00	0.00	0.00
17,500.0	90.00	359.80	10,668.0	7,446.2	289.3	7,445.1	0.00	0.00	0.00
17,600.0	90.00	359.80	10,668.0	7,546.2	288.9	7,545.1	0.00	0.00	0.00
17,700.0	90.00	359.80	10,668.0	7,646.2	288.6	7,645.1	0.00	0.00	0.00
17,800.0	90.00	359.80	10,668.0	7,746.2	288.2	7,745.1	0.00	0.00	0.00
17,900.0	90.00	359.80	10,668.0	7,846.2	287.9	7,845.1	0.00	0.00	0.00
18,000.0	90.00	359.80	10,668.0	7,946.2	287.5	7,945.1	0.00	0.00	0.00
18,100.0	90.00	359.80	10,668.0	8,046.2	287.2	8,045.1	0.00	0.00	0.00
18,200.0	90.00	359.80	10,668.0	8,146.2	286.8	8,145.1	0.00	0.00	0.00
18,300.0	90.00	359.80	10,668.0	8,246.2	286.5	8,245.1	0.00	0.00	0.00
18,400.0	90.00	359.80	10,668.0	8,346.2	286.1	8,345.1	0.00	0.00	0.00
18,500.0	90.00	359.80	10,668.0	8,446.2	285.8	8,445.1	0.00	0.00	0.00
18,600.0	90.00	359.80	10,668.0	8,546.2	285.4	8,545.1	0.00	0.00	0.00
18,700.0	90.00	359.80	10,668.0	8,646.2	285.1	8,645.1	0.00	0.00	0.00
18,800.0	90.00	359.80	10,668.0	8,746.2	284.7	8,745.1	0.00	0.00	0.00
18,900.0	90.00	359.80	10,668.0	8,846.2	284.4	8,845.1	0.00	0.00	0.00
19,000.0	90.00	359.80	10,668.0	8,946.2	284.0	8,945.1	0.00	0.00	0.00
19,100.0	90.00	359.80	10,668.0	9,046.2	283.7	9,045.1	0.00	0.00	0.00
19,200.0	90.00	359.80	10,668.0	9,146.2	283.3	9,145.1	0.00	0.00	0.00
19,300.0	90.00	359.80	10,668.0	9,246.2	283.0	9,245.1	0.00	0.00	0.00
19,400.0	90.00	359.80	10,668.0	9,346.2	282.6	9,345.1	0.00	0.00	0.00
19,500.0	90.00	359.80	10,668.0	9,446.2	282.3	9,445.1	0.00	0.00	0.00
19,600.0	90.00	359.80	10,668.0	9,546.2	281.9	9,545.1	0.00	0.00	0.00
19,700.0	90.00	359.80	10,668.0	9,646.2	281.6	9,645.1	0.00	0.00	0.00
19,800.0	90.00	359.80	10,668.0	9,746.2	281.2	9,745.1	0.00	0.00	0.00
19,900.0	90.00	359.80	10,668.0	9,846.2	280.9	9,845.1	0.00	0.00	0.00
20,000.0	90.00	359.80	10,668.0	9,946.2	280.5	9,945.1	0.00	0.00	0.00
20,100.0	90.00	359.80	10,668.0	10,046.2	280.2	10,045.1	0.00	0.00	0.00
20,200.0	90.00	359.80	10,668.0	10,146.2	279.8	10,145.1	0.00	0.00	0.00
20,300.0	90.00	359.80	10,668.0	10,246.2	279.5	10,245.1	0.00	0.00	0.00
20,400.0	90.00	359.80	10,668.0	10,346.2	279.1	10,345.1	0.00	0.00	0.00
20,500.0	90.00	359.80	10,668.0	10,446.2	278.8	10,445.1	0.00	0.00	0.00
20,600.0	90.00	359.80	10,668.0	10,546.2	278.4	10,545.1	0.00	0.00	0.00
20,700.0	90.00	359.80	10,668.0	10,646.2	278.1	10,645.1	0.00	0.00	0.00
20,800.0	90.00	359.80	10,668.0	10,746.2	277.8	10,745.1	0.00	0.00	0.00
20,900.0	90.00	359.80	10,668.0	10,846.2	277.4	10,845.1	0.00	0.00	0.00
21,000.0	90.00	359.80	10,668.0	10,946.2	277.1	10,945.1	0.00	0.00	0.00
21,100.0	90.00	359.80	10,668.0	11,046.2	276.7	11,045.1	0.00	0.00	0.00
21,200.0	90.00	359.80	10,668.0	11,146.2	276.4	11,145.1	0.00	0.00	0.00
21,300.0	90.00	359.80	10,668.0	11,246.2	276.0	11,245.1	0.00	0.00	0.00
21,400.0	90.00	359.80	10,668.0	11,346.2	275.7	11,345.1	0.00	0.00	0.00
21,500.0	90.00	359.80	10,668.0	11,446.2	275.3	11,445.1	0.00	0.00	0.00
21,600.0	90.00	359.80	10,668.0	11,546.2	275.0	11,545.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,700.0	90.00	359.80	10,668.0	11,646.2	274.6	11,645.1	0.00	0.00	0.00
21,800.0	90.00	359.80	10,668.0	11,746.2	274.3	11,745.1	0.00	0.00	0.00
21,900.0	90.00	359.80	10,668.0	11,846.2	273.9	11,845.1	0.00	0.00	0.00
22,000.0	90.00	359.80	10,668.0	11,946.2	273.6	11,945.1	0.00	0.00	0.00
22,100.0	90.00	359.80	10,668.0	12,046.2	273.2	12,045.1	0.00	0.00	0.00
22,200.0	90.00	359.80	10,668.0	12,146.2	272.9	12,145.1	0.00	0.00	0.00
22,300.0	90.00	359.80	10,668.0	12,246.2	272.5	12,245.1	0.00	0.00	0.00
22,400.0	90.00	359.80	10,668.0	12,346.2	272.2	12,345.1	0.00	0.00	0.00
22,500.0	90.00	359.80	10,668.0	12,446.2	271.8	12,445.1	0.00	0.00	0.00
22,600.0	90.00	359.80	10,668.0	12,546.2	271.5	12,545.1	0.00	0.00	0.00
22,700.0	90.00	359.80	10,668.0	12,646.2	271.1	12,645.1	0.00	0.00	0.00
22,800.0	90.00	359.80	10,668.0	12,746.2	270.8	12,745.1	0.00	0.00	0.00
22,900.0	90.00	359.80	10,668.0	12,846.2	270.4	12,845.1	0.00	0.00	0.00
23,000.0	90.00	359.80	10,668.0	12,946.2	270.1	12,945.1	0.00	0.00	0.00
23,100.0	90.00	359.80	10,668.0	13,046.2	269.7	13,045.1	0.00	0.00	0.00
23,200.0	90.00	359.80	10,668.0	13,146.2	269.4	13,145.1	0.00	0.00	0.00
23,300.0	90.00	359.80	10,668.0	13,246.2	269.0	13,245.1	0.00	0.00	0.00
23,400.0	90.00	359.80	10,668.0	13,346.2	268.7	13,345.1	0.00	0.00	0.00
23,500.0	90.00	359.80	10,668.0	13,446.2	268.3	13,445.1	0.00	0.00	0.00
23,600.0	90.00	359.80	10,668.0	13,546.2	268.0	13,545.1	0.00	0.00	0.00
23,700.0	90.00	359.80	10,668.0	13,646.2	267.6	13,645.1	0.00	0.00	0.00
23,800.0	90.00	359.80	10,668.0	13,746.2	267.3	13,745.1	0.00	0.00	0.00
23,900.0	90.00	359.80	10,668.0	13,846.2	266.9	13,845.1	0.00	0.00	0.00
24,000.0	90.00	359.80	10,668.0	13,946.2	266.6	13,945.1	0.00	0.00	0.00
24,100.0	90.00	359.80	10,668.0	14,046.2	266.2	14,045.1	0.00	0.00	0.00
24,200.0	90.00	359.80	10,668.0	14,146.2	265.9	14,145.1	0.00	0.00	0.00
24,300.0	90.00	359.80	10,668.0	14,246.2	265.5	14,245.1	0.00	0.00	0.00
24,400.0	90.00	359.80	10,668.0	14,346.2	265.2	14,345.1	0.00	0.00	0.00
24,500.0	90.00	359.80	10,668.0	14,446.2	264.8	14,445.1	0.00	0.00	0.00
24,600.0	90.00	359.80	10,668.0	14,546.2	264.5	14,545.1	0.00	0.00	0.00
24,700.0	90.00	359.80	10,668.0	14,646.2	264.1	14,645.1	0.00	0.00	0.00
24,800.0	90.00	359.80	10,668.0	14,746.2	263.8	14,745.1	0.00	0.00	0.00
24,900.0	90.00	359.80	10,668.0	14,846.1	263.4	14,845.1	0.00	0.00	0.00
25,000.0	90.00	359.80	10,668.0	14,946.1	263.1	14,945.1	0.00	0.00	0.00
25,100.0	90.00	359.80	10,668.0	15,046.1	262.7	15,045.1	0.00	0.00	0.00
25,200.0	90.00	359.80	10,668.0	15,146.1	262.4	15,145.1	0.00	0.00	0.00
25,300.0	90.00	359.80	10,668.0	15,246.1	262.0	15,245.1	0.00	0.00	0.00
25,400.0	90.00	359.80	10,668.0	15,346.1	261.7	15,345.1	0.00	0.00	0.00
25,500.0	90.00	359.80	10,668.0	15,446.1	261.3	15,445.1	0.00	0.00	0.00
25,600.0	90.00	359.80	10,668.0	15,546.1	261.0	15,545.1	0.00	0.00	0.00
25,700.0	90.00	359.80	10,668.0	15,646.1	260.6	15,645.1	0.00	0.00	0.00
25,800.0	90.00	359.80	10,668.0	15,746.1	260.3	15,745.1	0.00	0.00	0.00
25,900.0	90.00	359.80	10,668.0	15,846.1	259.9	15,845.1	0.00	0.00	0.00
26,000.0	90.00	359.80	10,668.0	15,946.1	259.6	15,945.1	0.00	0.00	0.00
26,100.0	90.00	359.80	10,668.0	16,046.1	259.3	16,045.1	0.00	0.00	0.00
26,200.0	90.00	359.80	10,668.0	16,146.1	258.9	16,145.1	0.00	0.00	0.00
26,300.0	90.00	359.80	10,668.0	16,246.1	258.6	16,245.1	0.00	0.00	0.00
26,400.0	90.00	359.80	10,668.0	16,346.1	258.2	16,345.1	0.00	0.00	0.00
26,500.0	90.00	359.80	10,668.0	16,446.1	257.9	16,445.1	0.00	0.00	0.00
26,600.0	90.00	359.80	10,668.0	16,546.1	257.5	16,545.1	0.00	0.00	0.00
26,700.0	90.00	359.80	10,668.0	16,646.1	257.2	16,645.1	0.00	0.00	0.00
26,800.0	90.00	359.80	10,668.0	16,746.1	256.8	16,745.1	0.00	0.00	0.00
26,900.0	90.00	359.80	10,668.0	16,846.1	256.5	16,845.1	0.00	0.00	0.00
27,000.0	90.00	359.80	10,668.0	16,946.1	256.1	16,945.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
27,100.0	90.00	359.80	10,668.0	17,046.1	255.8	17,045.1	0.00	0.00	0.00
27,200.0	90.00	359.80	10,668.0	17,146.1	255.4	17,145.1	0.00	0.00	0.00
27,300.0	90.00	359.80	10,668.0	17,246.1	255.1	17,245.1	0.00	0.00	0.00
27,400.0	90.00	359.80	10,668.0	17,346.1	254.7	17,345.1	0.00	0.00	0.00
27,500.0	90.00	359.80	10,668.0	17,446.1	254.4	17,445.1	0.00	0.00	0.00
27,600.0	90.00	359.80	10,668.0	17,546.1	254.0	17,545.1	0.00	0.00	0.00
27,700.0	90.00	359.80	10,668.0	17,646.1	253.7	17,645.1	0.00	0.00	0.00
27,800.0	90.00	359.80	10,668.0	17,746.1	253.3	17,745.1	0.00	0.00	0.00
27,900.0	90.00	359.80	10,668.0	17,846.1	253.0	17,845.1	0.00	0.00	0.00
28,000.0	90.00	359.80	10,668.0	17,946.1	252.6	17,945.1	0.00	0.00	0.00
28,100.0	90.00	359.80	10,668.0	18,046.1	252.3	18,045.1	0.00	0.00	0.00
28,200.0	90.00	359.80	10,668.0	18,146.1	251.9	18,145.1	0.00	0.00	0.00
28,300.0	90.00	359.80	10,668.0	18,246.1	251.6	18,245.1	0.00	0.00	0.00
28,400.0	90.00	359.80	10,668.0	18,346.1	251.2	18,345.1	0.00	0.00	0.00
28,438.0	90.00	359.80	10,668.0	18,384.1	251.1	18,383.1	0.00	0.00	0.00
28,500.0	90.00	359.80	10,668.0	18,446.1	250.9	18,445.1	0.00	0.00	0.00
28,538.0	90.00	359.80	10,668.0	18,484.1	250.7	18,483.1	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP/FTP Poker Lake Ui - plan hits target center - Point	0.00	0.00	9,951.8	350.7	294.3	440,607.00	629,128.20	32° 12' 38.363 N	103° 54' 56.980 W
PPP1 Poker Lake Unit 1 - plan hits target center - Point	0.00	0.00	10,668.0	5,478.4	296.1	445,734.70	629,130.00	32° 13' 29.107 N	103° 54' 56.727 W
BHL Poker Lake Unit 19 - plan misses target center by 0.4usft at 28538.0usft MD (10668.0 TVD, 18484.1 N, 250.7 E) - Point	0.00	0.00	10,668.0	18,484.1	250.3	458,740.40	629,084.20	32° 15' 37.815 N	103° 54' 56.672 W
LTP Poker Lake Unit 19 - plan hits target center - Point	0.00	0.00	10,668.0	18,384.1	251.1	458,640.40	629,085.00	32° 15' 36.825 N	103° 54' 56.667 W
PPP2 Poker Lake Unit 1 - plan hits target center - Point	0.00	0.00	10,668.0	16,062.7	259.2	456,319.00	629,093.10	32° 15' 13.852 N	103° 54' 56.678 W

Planning Report

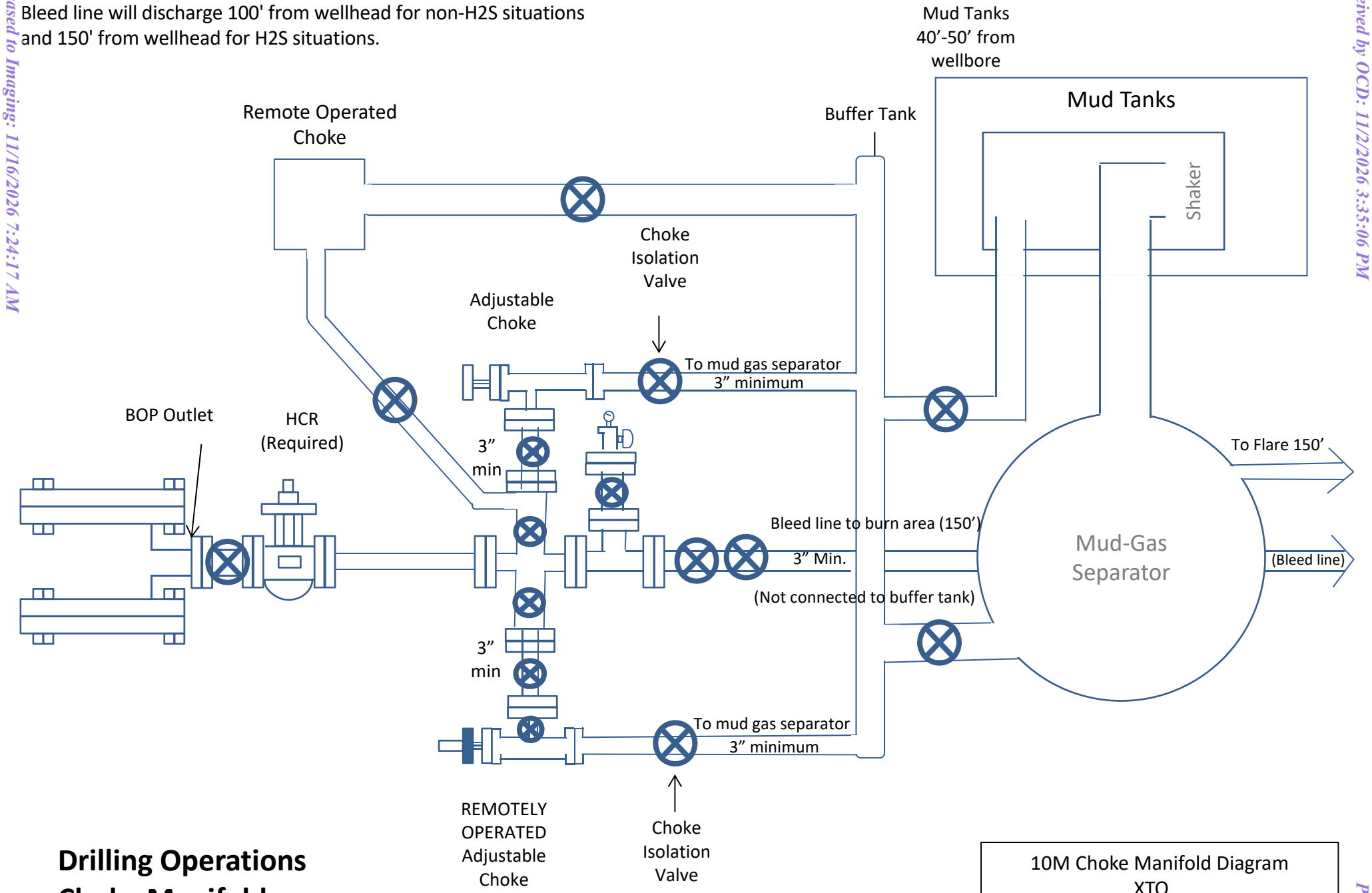
Database:	EDM 5000.18 Single User Db	**Local Co-ordinate Reference:**	Well Poker Lake Unit 19 DTD 426H
Company:	ROC	**TVD Reference:**	RKB 32' @ 3208.0usft
Project:	Long Lead - PLU 19 DTD (NAD27 NME)	**MD Reference:**	RKB 32' @ 3208.0usft
Site:	Poker Lake Unit 19 DTD - Pad D1	**North Reference:**	Grid
Well:	Poker Lake Unit 19 DTD 426H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
243.0	243.0	Rustler			
524.0	524.0	Salado			
3,277.1	3,247.0	Base of Salt			
3,512.2	3,477.0	Delaware			
4,434.7	4,391.0	Cherry Canyon			
6,023.7	5,980.0	Brushy Canyon			
7,301.7	7,258.0	Bone Spring Lm.			
7,963.7	7,920.0	Lower Avalon			
8,103.7	8,060.0	1st Bone Spring Lime			
8,313.7	8,270.0	1st Bone Spring Sand			
8,601.7	8,558.0	2nd Bone Spring Shale			
8,714.7	8,671.0	2nd Bone Spring Lime			
8,959.7	8,916.0	2nd Bone Spring Sand			
9,129.7	9,086.0	2nd Bone Spring A Sand			
9,270.7	9,227.0	2nd Bone Spring Mid Carb			
9,340.7	9,297.0	2nd Bone Spring B Sand			
9,425.7	9,382.0	3rd Bone Spring Lime			
9,796.7	9,753.0	Harkey			
9,824.7	9,781.0	3rd Bone Spring Shale			
10,223.6	10,176.0	3rd Bone Spring Sand			
10,729.7	10,564.0	Wolfcamp			
10,770.2	10,584.0	Wolfcamp X			
11,027.8	10,662.0	Wolfcamp Y			
11,120.5	10,668.0	Wolfcamp Y Landing			

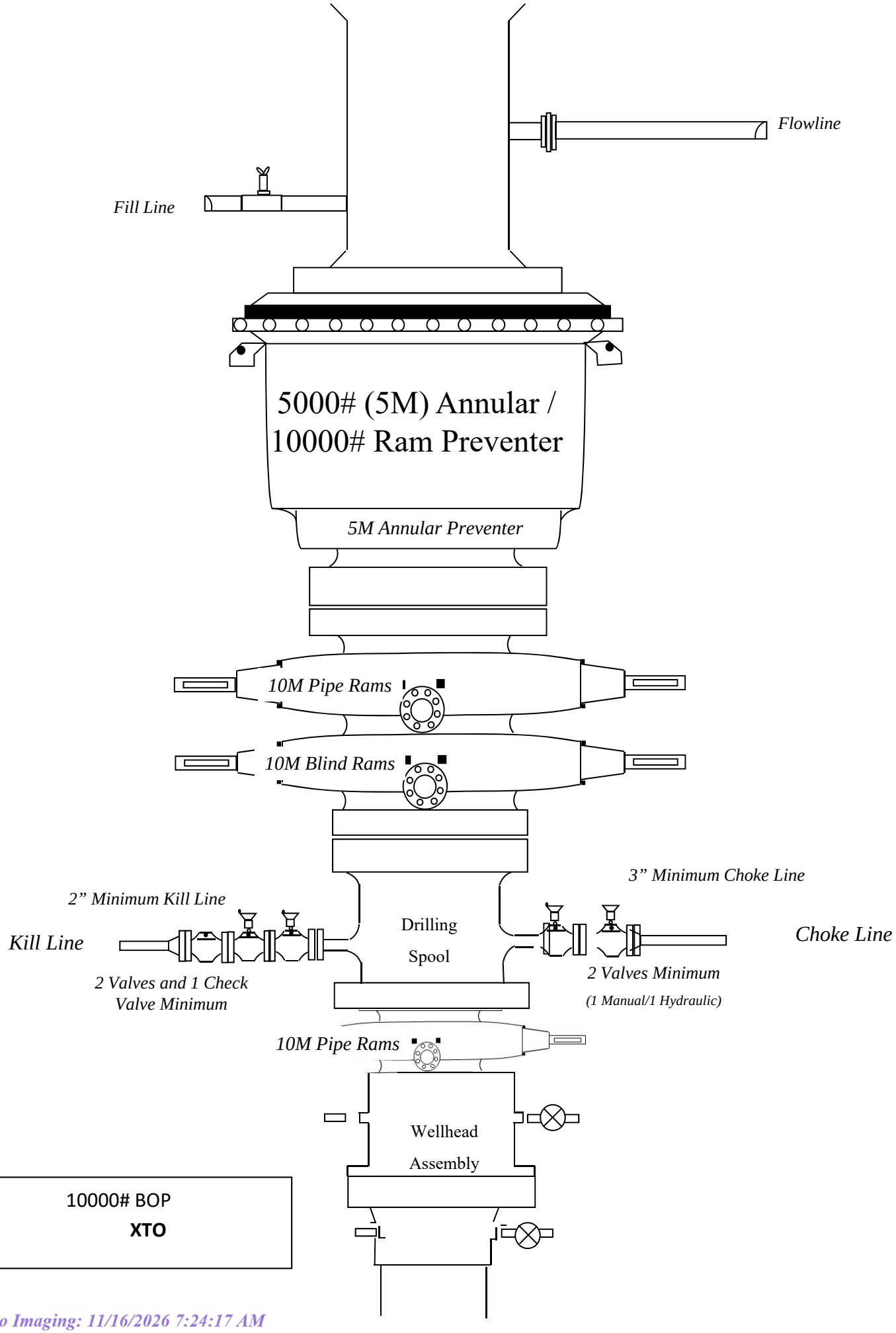
Released to Imaging: 11/16/2026 7:24:17 AM
Received by OCD: 11/2/2026 3:35:06 PM

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

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

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

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

62 API STANDARD 53

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

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

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

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

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

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

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

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

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

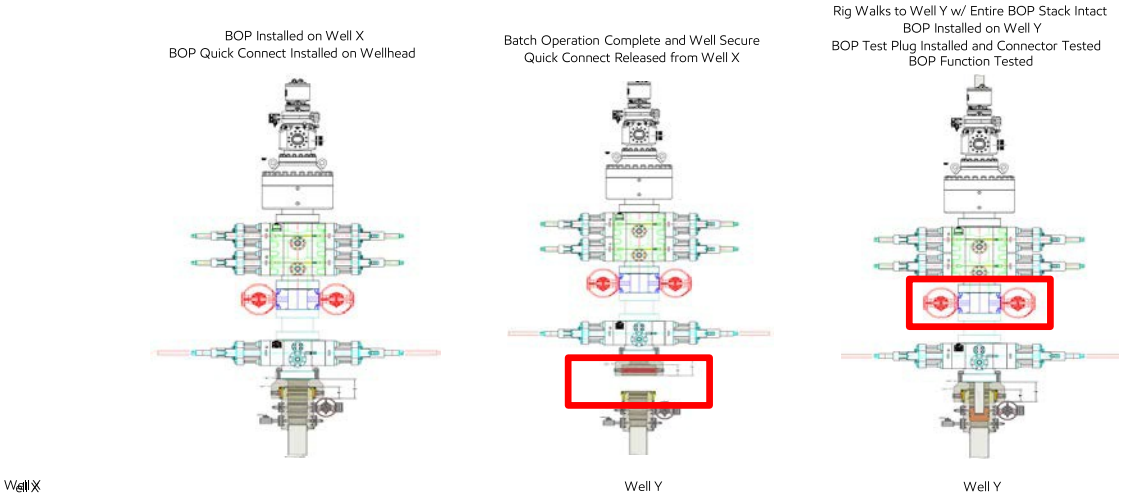
Exxon Mobil considers break testing and our current procedures meet the intent of CFR Title 43 Part 3170 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. Exxon Mobil internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. Exxon Mobil will use this document for break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. Exxon Mobil will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first intermediate hole section of the pad, and intermediate hole sections exceeding 12,000' TVD
    b. A Full BOP test will be required if the intermediate hole section being drilled has a BLM MASP over 4800 psi.
    c. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Connection between the HCV valve and choke line
    b. Connection between the BOP quick connect and the wellhead
4. The BOP will be lifted and removed from the wellhead by a hydraulic system
5. While transferring between wells, the BOPE will be secured by the hydraulic carrier or cradle.
6. The connections between the HCV valve - choke line and BOP quick connect - wellhead will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

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

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



Summary

- Variance is requested only for intermediate hole sections where MASP <4800 psi and intermediate hole sections do not exceed 12,000' TVD
- A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53.
- API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.
- The BOP will be secured by a hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer
- The BLM will be contacted 4 hours prior to BOPE tests.

Based on supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

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

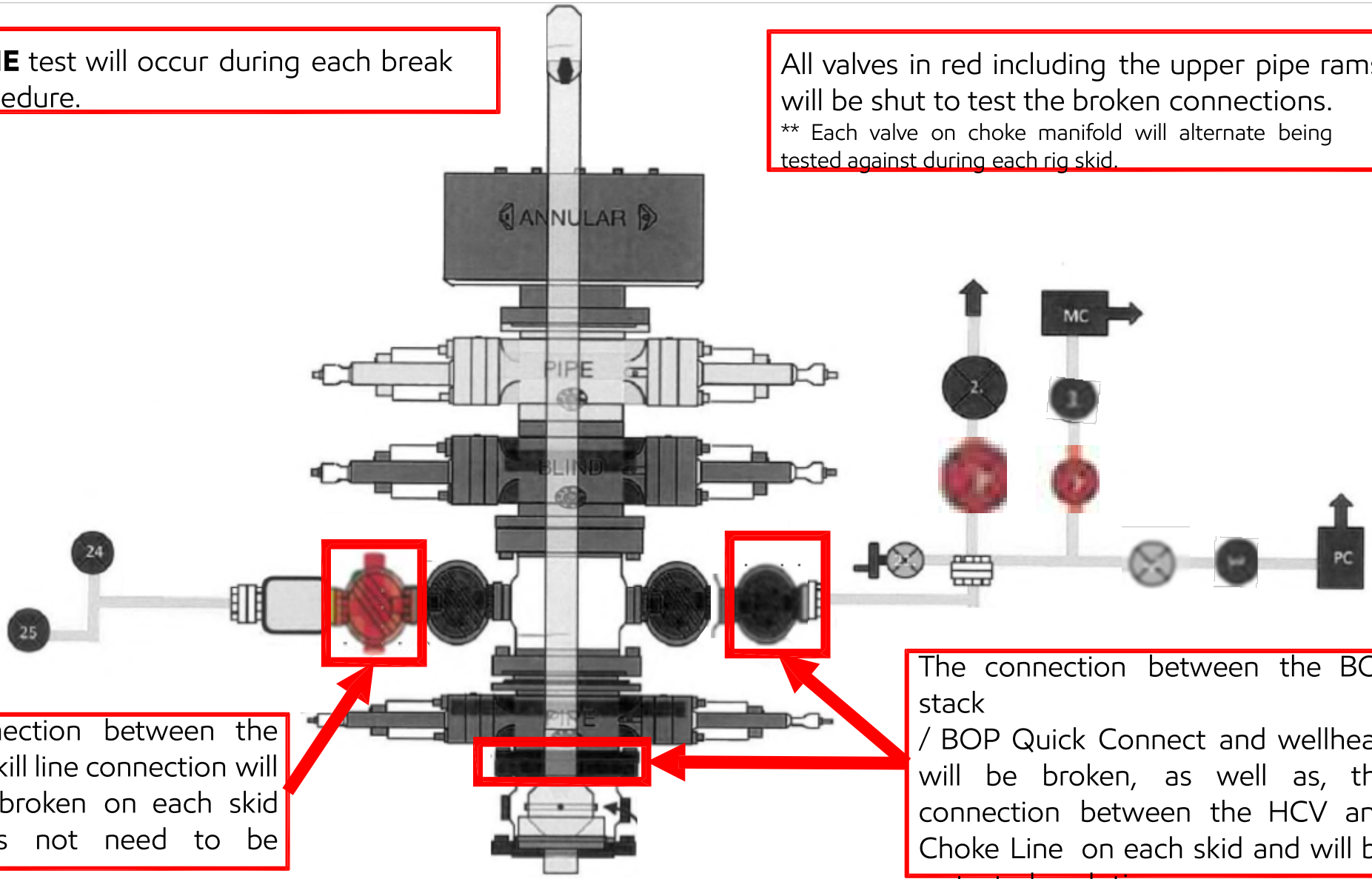
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 4800psi and/or intermediate hole sections exceeds 12,000' TVD

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

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

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

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



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

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

XTO Permian Operating, LLC Offline Cementing Variance Request

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

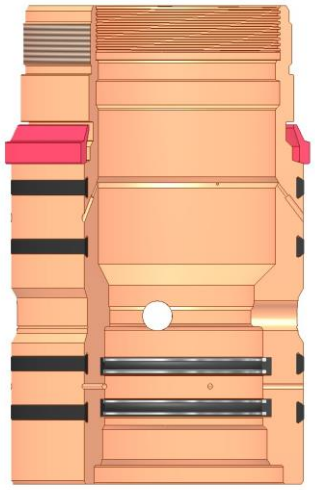
1. Cement Program

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

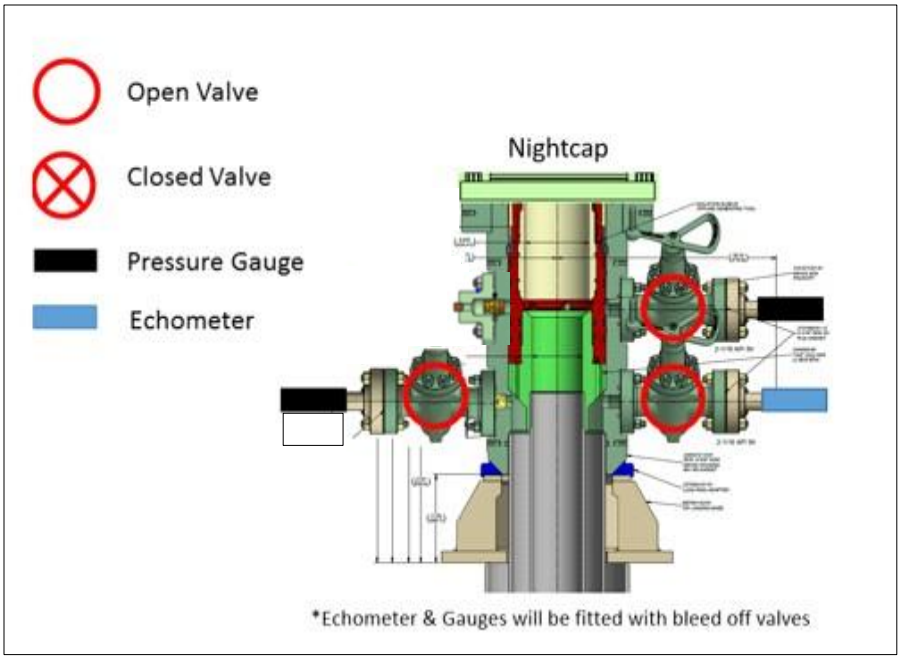
2. Offline Cementing Procedure

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

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



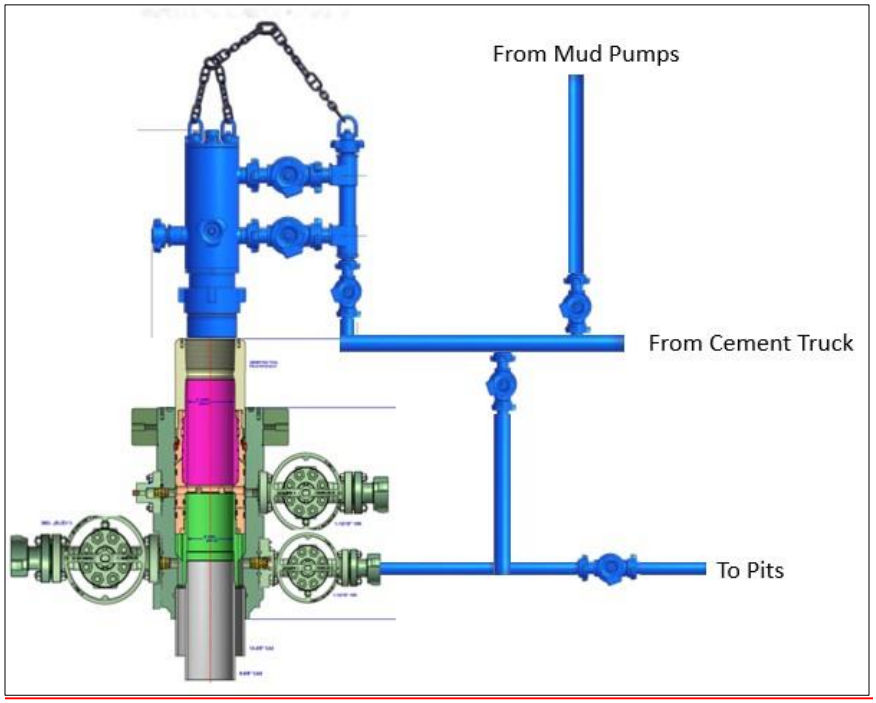
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

ExxonMobil

Offline Production Cementing

Delaware Basin | 18 March 2025

Energy lives here™

Variance Request for Offline Production Cementing

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

Supporting Materials:

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

Released to Imaging: 11/16/2026 7:24:17 AM

Criteria for Offline Cementing

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

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

Released to Imaging: 11/16/2026 7:24:17 AM

Offline Cementing Procedure

Trigger to reevaluate plan

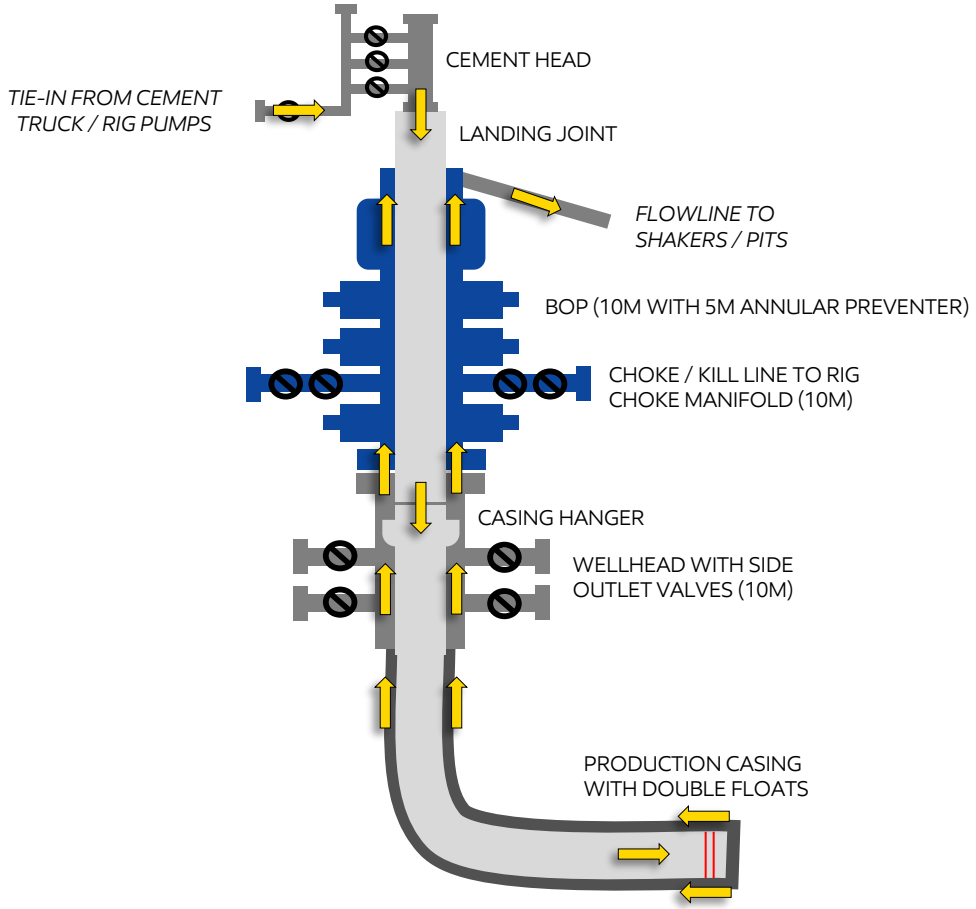
1. **Land production casing hanger** *If casing hanger cannot be landed, cementing will be performed online*
2. Flow check and **confirm the well is static on the casing and annulus**. *If flow is observed, cementing will be performed online*
3. **Lay down landing joint**
4. **Install and test pack-off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

Received by OCD: 11/2/2026 3:35:06 PM

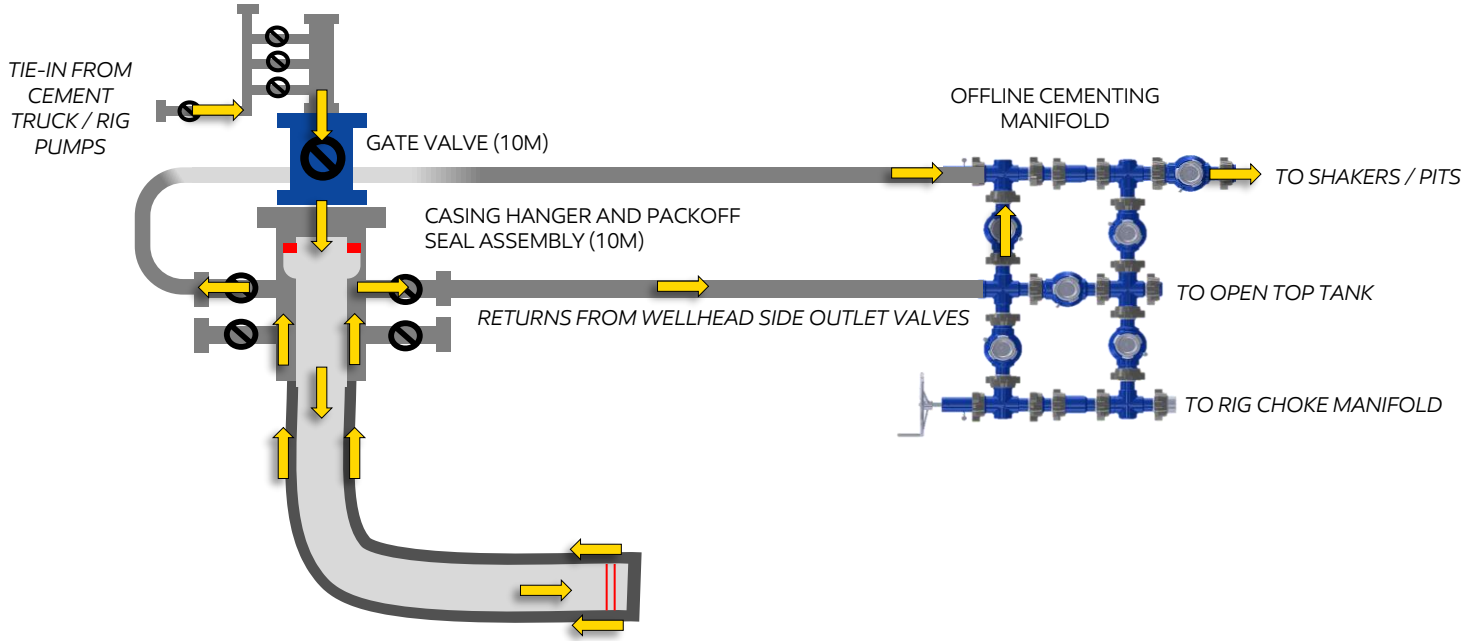
FLOWPATH WHILE CEMENTING

Process and Equipment

ONLINE CEMENTING



OFFLINE CEMENTING



KEY DIFFERENCES

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

ExxonMobil

Released to Imaging: 11/16/2026 7:24:17 AM

Barrier Comparison

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

ExxonMobil

Well Control Response Plan

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

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

Released to Imaging: 11/16/2026 7:24:17 AM

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

Description of Operations:

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

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100
FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSPINOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

Company:	Nabors Industries Inc.
Production description:	74621/66-1531
Sales order #:	529480
Customer reference:	FG1213

TEST OBJECT

Serial number:	H3-012524-1
Lot number:	
Description:	74621/66-1531
Hose ID:	3" 16C CK
Part number:	

TEST INFORMATION

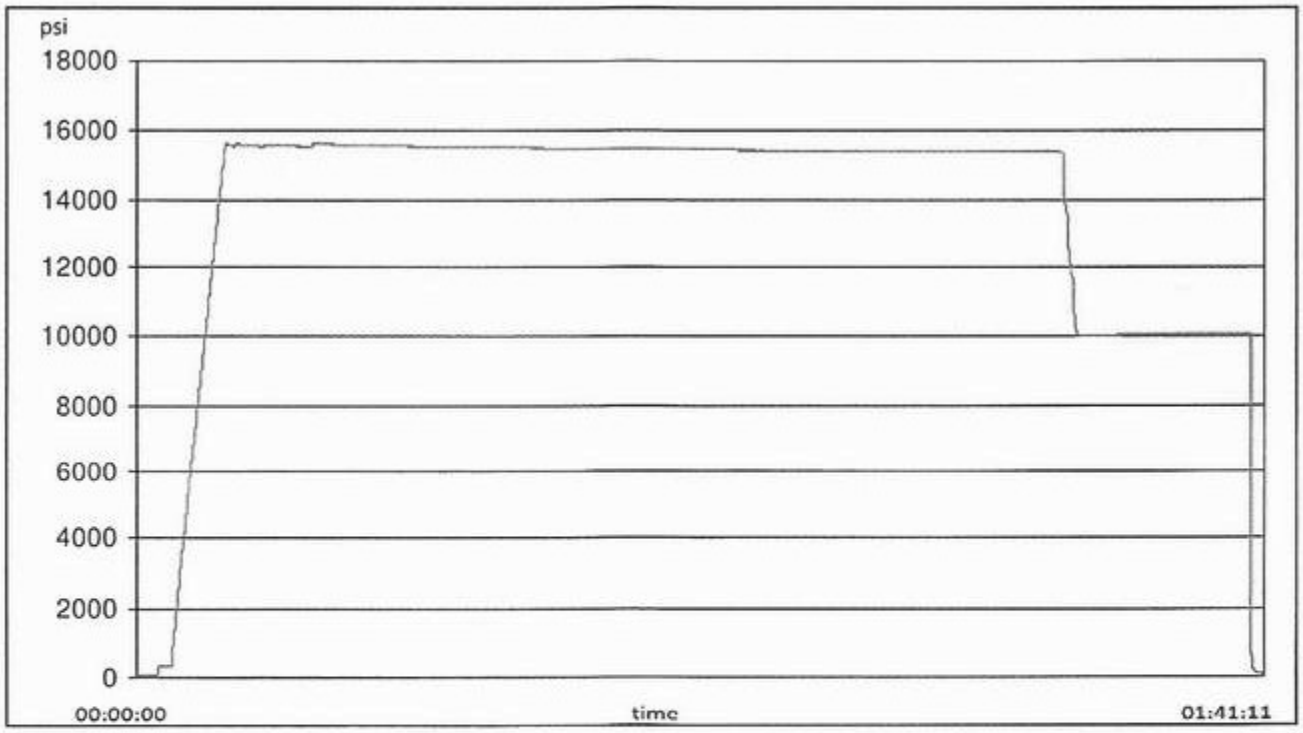
Test procedure:	GTS-04-053	
Test pressure:	15000.00	psi
Test pressure hold:	3600.00	sec
Work pressure:	10000.00	psi
Work pressure hold:	900.00	sec
Length difference:	0.00	%
Length difference:	0.00	inch

Fitting 1:	3.0 x 4-1/16 10K
Part number:	
Description:	
Fitting 2:	3.0 x 4-1/16 10K
Part number:	
Description:	

Length:	45	feet

Visual check:	
Pressure test result:	PASS
Length measurement result:	

Test operator: Travis



H3-15/16

1/25/2024 11:48:06 AM

TEST REPORT

GAUGE TRACEABILITY

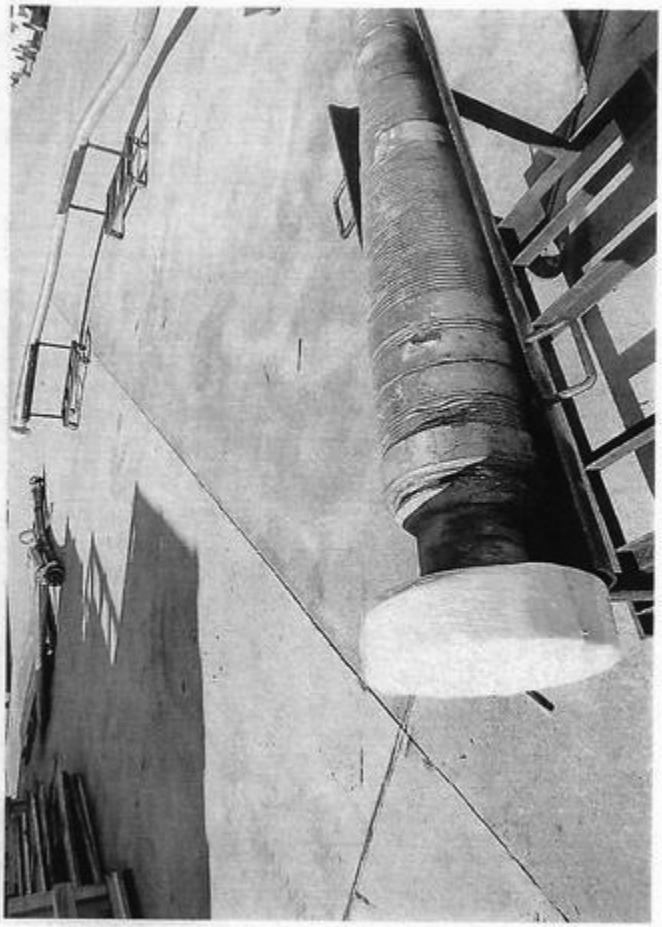
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment







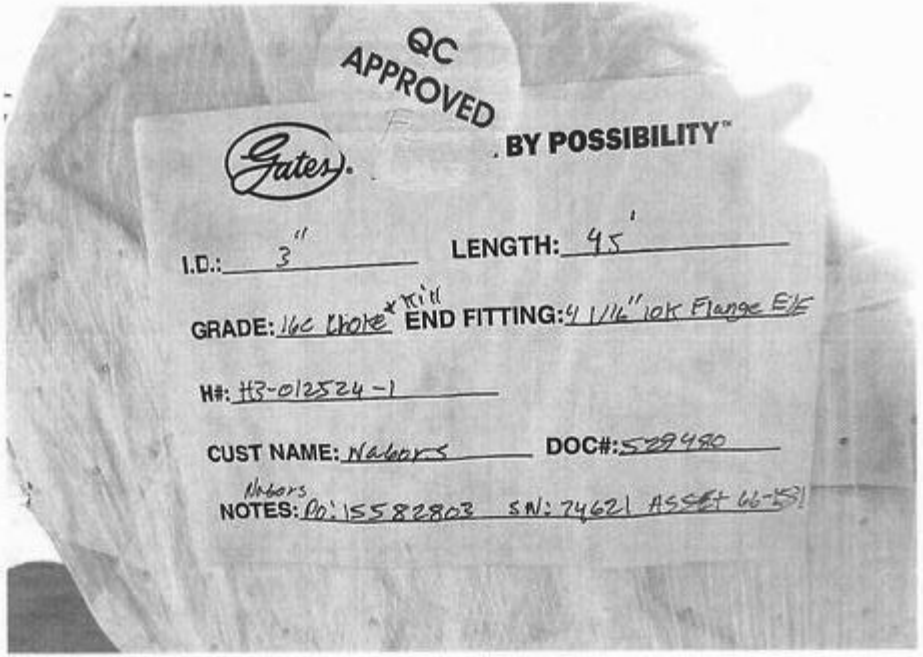


Released to Imaging: 11/16/2026 7:24:17 AM

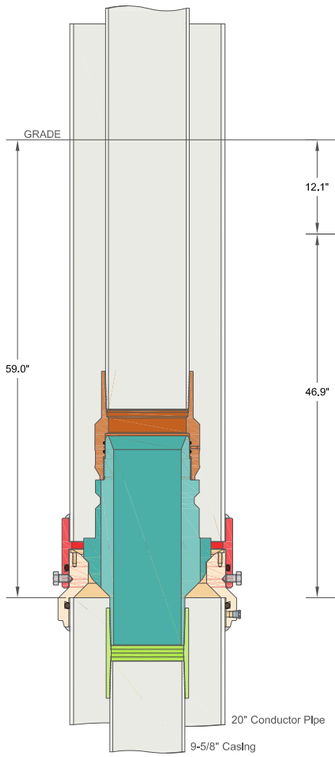
Received by OCD: 11/2/2026 3:35:06 PM

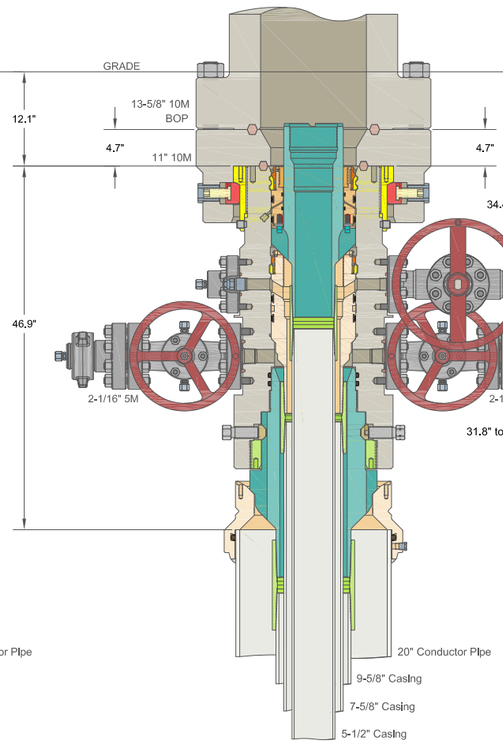


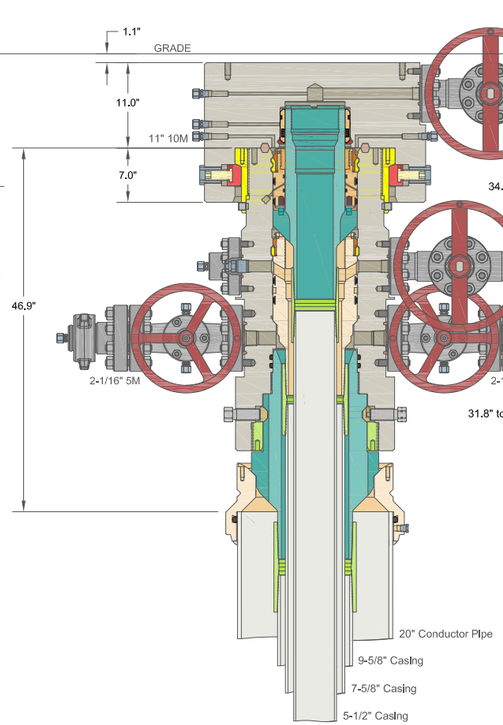


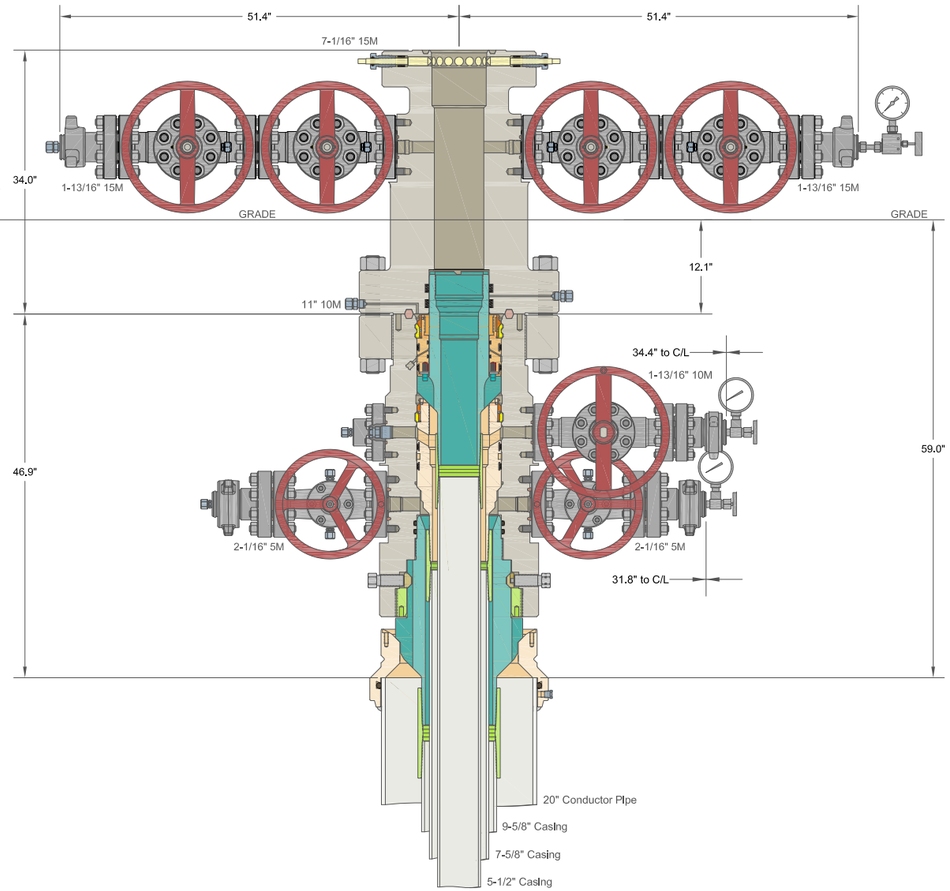












ALL DIMENSIONS APPROXIMATE

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	

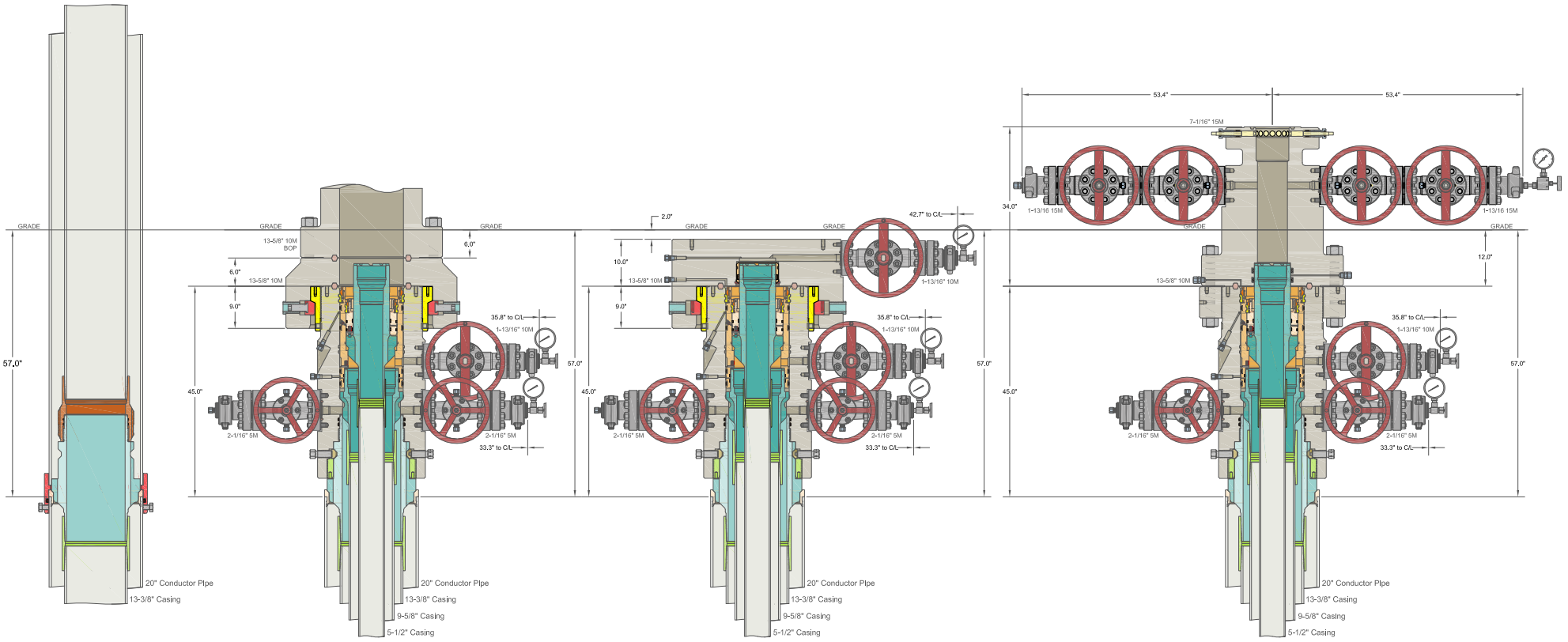
INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

Received by OCD: 11/2/2026 3:35:06 PM

Released to Imaging: 11/16/2026 7:24:17 AM

Page 197 of 237

Received by OCD: 11/2/2026 3:35:06 PM



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMA

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

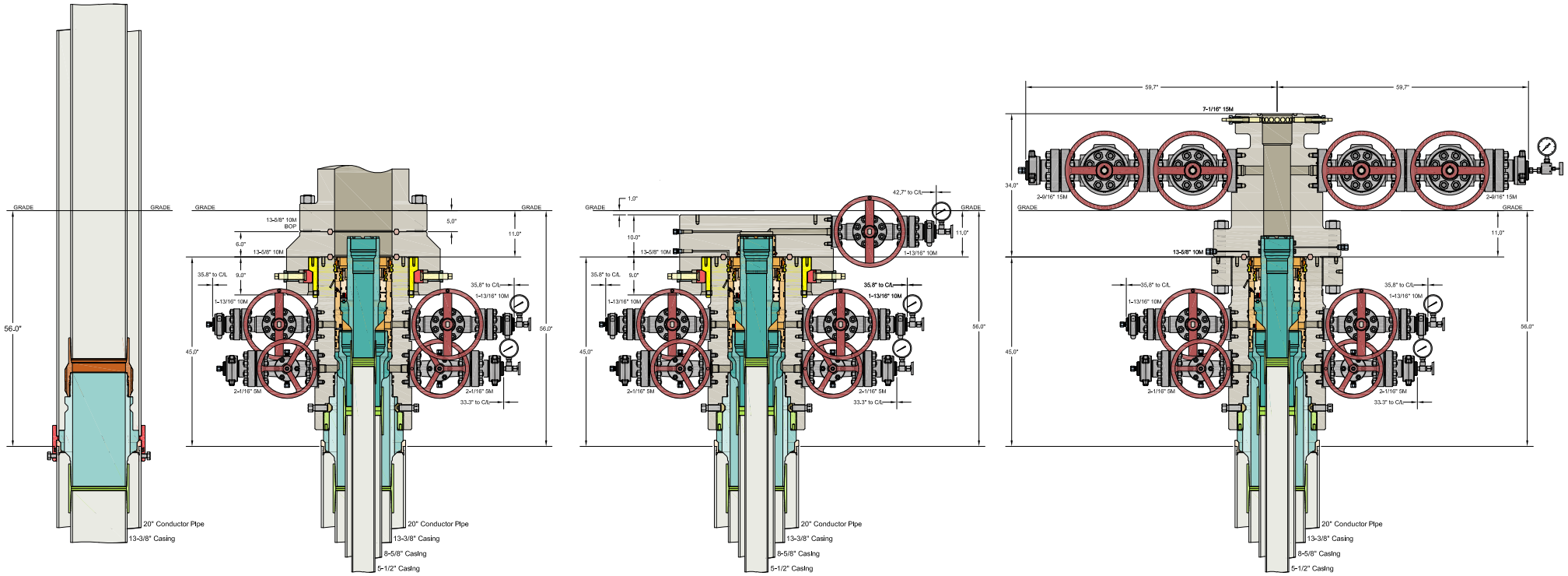
(20") x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

DRAWN	VJK	31MAR22
APPRV		
DRAWING NO.	SDT-2856	

Released to Imaging: 11/16/2026 7:24:17 AM

Page 198 of 237

Received by OCD: 11/2/2026 3:35:06 PM



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

FROM HBE1358

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

EXXONMOBIL
DELAWARE BASIN

(20") x 13-3/8" x 8-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Surface, Drilling, Abandonment & Completion Stages

DRAWN	VJK	24SEP26
APPRV		
DRAWING NO.	SDT-6026-2	

Released to Imaging: 11/16/2026 7:24:17 AM

Tenaris

TenarisHydril Wedge 511



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

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

Pipe Body Data

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

Connection Data

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

Notes

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs (“Information”) is not intended to constitute professional or any other type of advice or recommendation and is provided on an “as is” basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user’s own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris’s products and services are subject to Tenaris’s standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2025. All rights reserved.

Tenaris

TenarisHydril Wedge 511



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

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

Pipe Body Data

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

Connection Data

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

Notes

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2024. All rights reserved.

Tenaris

TenarisHydril Wedge 441®



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

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

Pipe Body Data

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

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5.852 in.	**Tension Efficiency**	81.50 %	**Minimum**	15,000 ft-lb
Coupling Length	8.714 in.	**Joint Yield Strength**	594 x1000 lb	**Optimum**	16,000 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	14,360 psi	**Maximum**	19,200 ft-lb
Make-up Loss	3.780 in.	**Compression Efficiency**	81.50 %		
Threads per inch	3.40	**Compression Strength**	594 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	84.76 °/100 ft	**Operating Torque**	36,000 ft-lb
		External Pressure Capacity	12,300 psi	**Yield Torque**	42,000 ft-lb
				Buck-On	
				Minimum	19,200 ft-lb
				Maximum	20,700 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2025. All rights reserved.

Tenaris

TenarisHydril Wedge 441®



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

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

Pipe Body Data

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

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5.852 in.	**Tension Efficiency**	81.50 %	**Minimum**	15,000 ft-lb
Coupling Length	8.714 in.	**Joint Yield Strength**	522 x1000 lb	**Optimum**	16,000 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	12,640 psi	**Maximum**	19,200 ft-lb
Make-up Loss	3.780 in.	**Compression Efficiency**	81.50 %		
Threads per inch	3.40	**Compression Strength**	522 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	72.59 °/100 ft	**Operating Torque**	32,000 ft-lb
		External Pressure Capacity	11,100 psi	**Yield Torque**	38,000 ft-lb
				Buck-On	
				Minimum	19,200 ft-lb
				Maximum	20,700 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2023. All rights reserved.

Tenaris

TenarisHydril Wedge 441®



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

Outside Diameter	8.625 in.	**Wall Thickness**	0.352 in.	**Grade**	P110
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	Api Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	8.625 in.	**Wall Thickness**	0.352 in.	**Body Yield Strength**	1006 x1000 lb
Nominal Weight	32.00 lb/ft	**Plain End Weight**	31.13 lb/ft	**Min. Internal Yield Pressure**	7860 psi
Drift	7.796 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	7.921 in.			**Collapse Pressure**	3420 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	8.889 in.	**Tension Efficiency**	81.20 %	**Minimum**	23,000 ft-lb
Coupling Length	8.862 in.	**Joint Yield Strength**	817 x1000 lb	**Optimum**	24,000 ft-lb
Connection ID	7.921 in.	**Internal Pressure Capacity**	7860 psi	**Maximum**	27,000 ft-lb
Make-up Loss	3.744 in.	**Compression Efficiency**	81.20 %		
Threads per inch	3.43	**Compression Strength**	817 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	47.10 °/100 ft	**Operating Torque**	52,000 ft-lb
		External Pressure Capacity	3420 psi	**Yield Torque**	62,000 ft-lb
				Buck-On	
				Minimum	27,000 ft-lb
				Maximum	29,000 ft-lb

Notes

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

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

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2026. All rights reserved.

Received by OCD: 11/2/2026 3:35:06 PM

Tenaris

TenarisHydril Wedge 441®



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

Outside Diameter	8.625 in.	**Wall Thickness**	0.352 in.	**Grade**	L80-IC
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	Api Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	8.625 in.	**Wall Thickness**	0.352 in.	**Body Yield Strength**	732 x1000 lb
Nominal Weight	32.00 lb/ft	**Plain End Weight**	31.13 lb/ft	**Min. Internal Yield Pressure**	5710 psi
Drift	7.796 in.	**OD Tolerance**	API	**SMYS**	80,000 psi
Nominal ID	7.921 in.			**Collapse Pressure**	3700 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	8.889 in.	**Tension Efficiency**	81.20 %	**Minimum**	23,000 ft-lb
Coupling Length	8.862 in.	**Joint Yield Strength**	594 x1000 lb	**Optimum**	24,000 ft-lb
Connection ID	7.921 in.	**Internal Pressure Capacity**	5710 psi	**Maximum**	27,000 ft-lb
Make-up Loss	3.744 in.	**Compression Efficiency**	81.20 %		
Threads per inch	3.43	**Compression Strength**	594 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	34.92 °/100 ft	**Operating Torque**	38,000 ft-lb
		External Pressure Capacity	3700 psi	**Yield Torque**	45,000 ft-lb
				Buck-On	
				Minimum	27,000 ft-lb
				Maximum	29,000 ft-lb

Notes

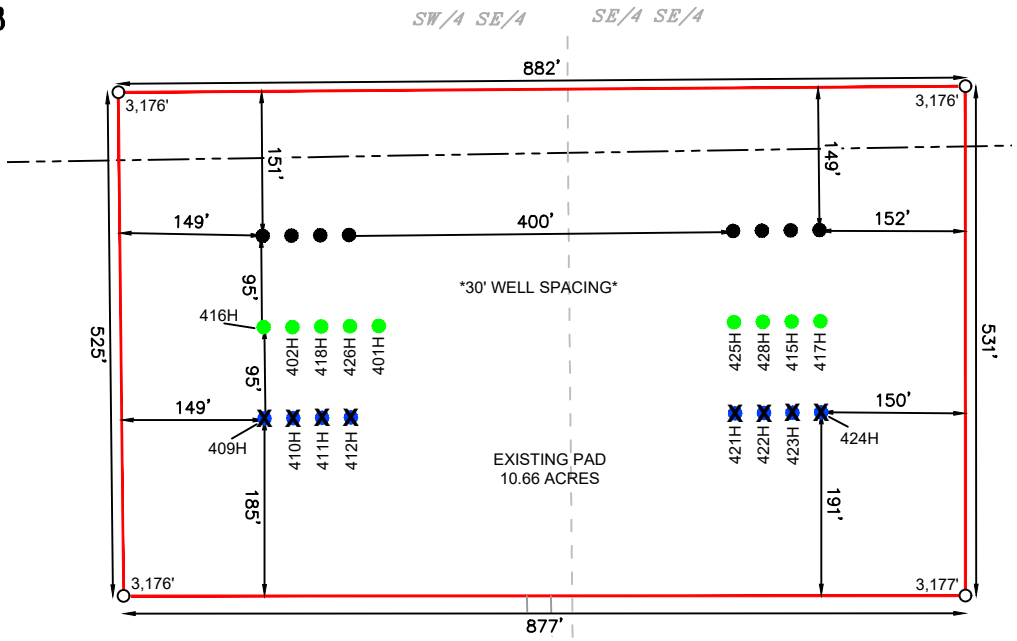
Connection performance values are related to structural capabilities. For sealability-related performance information, request the Connection Service Envelope from your local Tenaris Representative.

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

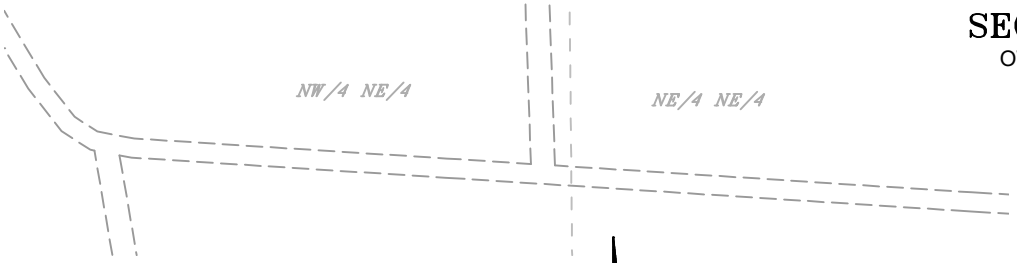
Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2026. All rights reserved.

Released to Imaging: 11/16/2026 7:24:17 AM

SECTION 18
OWNER: B.L.M.



SECTION 19
OWNER: B.L.M.





TOWNSHIP 24 SOUTH,
RANGE 30 EAST
N.M.P.M.

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

GENERAL NOTES

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

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

MARK DILLON HARP
NEW MEXICO PROFESSIONAL LAND SURVEYOR
NO. 23786



LEGEND

- SECTION LINE
- EXISTING WELL PAD
- TBD WELL LOCATION
- PERMITTED WELL LOCATION DRILLING SOUTH
- PERMITTED WELL LOCATION DRILLING NORTH
- X — DENOTES WELL LOCATION HAS BEEN DRILLED
- EXISTING ROAD

ATWELL
817.897.5008 www.atwell.com
509 Pecan Street, Suite 200
Fort Worth, Texas 76102
TBPELS FIRM # 10193726 (Surveying) & # 12242 (Engineering)

A WELL SITE PLAN FOR:
POKER LAKE UNIT 19 DTD EXISTING PAD "D"
XTO PERMIAN OPERATING, LLC.
SITUATED IN SECTION 19, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
AR	9/8/2026	1" = 200'	618.013003.05
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	4	1 OF 1

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\.05 - PLU 19 DTD - EDDY\DWG\Exhibits\WELL SITE PLANS\PAD D WELL SITE.dwg

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
LEASE NO.:	NMNM002860
COUNTY:	Eddy

Wells:

Dog Town Draw 19

Well Name	SHL STR	SHL Footages	BHL STR	BHL Footages
POKER LAKE UNIT 19 DTD 103H	19 T24S R30E	1211 FNL, 339 FWL	6 T24S R30E	50 FNL, 300 FWL
POKER LAKE UNIT 19 DTD 202H	19 T24S R30E	1182 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1638 FWL
POKER LAKE UNIT 19 DTD 303H	19 T24S R30E	1103 FNL, 2441 FWL	31 T23S R30E	2643 FSL, 2376 FEL
POKER LAKE UNIT 19 DTD 402H	19 T24S R30E	84 FNL, 1136 FEL	31 T23S R30E	2641 FSL, 1038 FEL
POKER LAKE UNIT 19 DTD 105H	19 T24S R30E	1211 FNL, 369 FWL	6 T24S R30E	50 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 226H	19 T24S R30E	1277 FNL, 1883 FWL	31 T23S R30E	2645 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 229H	19 T24S R30E	1278 FNL, 1943 FWL	31 T23S R30E	2644 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 305H	19 T24S R30E	1103 FNL, 2471 FWL	31 T23S R30E	2643 FSL, 2176 FEL
POKER LAKE UNIT 19 DTD 426H	19 T24S R30E	179 FNL, 1136 FEL	31 T23S R30E	2642 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 429H	19 T24S R30E	180 FNL, 1076 FEL	31 T23S R30E	2640 FSL, 392 FEL
POKER LAKE UNIT 19 DTD 106H	19 T24S R30E	1212 FNL, 399 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 228H	19 T24S R30E	1277 FNL, 1913 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 306H	19 T24S R30E	1103 FNL, 2501 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 428H	19 T24S R30E	179 FNL, 1106 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 101H	19 T24S R30E	1211 FNL, 309 FWL	6 T24S R30E	50 FNL, 800 FWL
POKER LAKE UNIT 19 DTD 201H	19 T24S R30E	1182 FNL, 1853 FWL	31 T23S R30E	2645 FSL, 2138 FWL
POKER LAKE UNIT 19 DTD 301H	19 T24S R30E	1103 FNL, 2411 FWL	31 T23S R30E	2643 FSL, 1876 FEL
POKER LAKE UNIT 19 DTD 401H	19 T24S R30E	84 FNL, 1166 FEL	31 T23S R30E	2640 FSL, 538 FEL
POKER LAKE UNIT 19 DTD 115H	19 T24S R30E	1306 FNL, 309 FWL	6 T24S R30E	100 FNL, 223 FWL
POKER LAKE UNIT 19 DTD 118H	19 T24S R30E	1307 FNL, 399 FWL	6 T24S R30E	100 FNL, 1115 FWL
POKER LAKE UNIT 19 DTD 211H	19 T24S R30E	1274 FNL, 1423 FWL	31 T23S R30E	2425 FSL, 2007 FWL
POKER LAKE UNIT 19 DTD 315H	19 T24S R30E	1198 FNL, 2411 FWL	31 T23S R30E	2424 FSL, 2453 FEL
POKER LAKE UNIT 19 DTD 318H	19 T24S R30E	1198 FNL, 2501 FWL	31 T23S R30E	2422 FSL, 1561 FEL
POKER LAKE UNIT 19 DTD 417H	19 T24S R30E	177 FNL, 1596 FEL	31 T23S R30E	2420 FSL, 670 FEL
POKER LAKE UNIT 19 DTD 116H	19 T24S R30E	1306 FNL, 339 FWL	6 T24S R30E	100 FNL, 500 FWL
POKER LAKE UNIT 19 DTD 212H	19 T24S R30E	1275 FNL, 1453 FWL	31 T23S R30E	2424 FSL, 2284 FWL
POKER LAKE UNIT 19 DTD 415H	19 T24S R30E	176 FNL, 1656 FEL	31 T23S R30E	2422 FSL, 1284 FEL
POKER LAKE UNIT 19 DTD 209H	19 T24S R30E	1274 FNL, 1363 FWL	31 T23S R30E	2425 FSL, 1465 FWL
POKER LAKE UNIT 19 DTD 316H	19 T24S R30E	1198 FNL, 2441 FWL	31 T23S R30E	2423 FSL, 2168 FEL
POKER LAKE UNIT 19 DTD 418H	19 T24S R30E	177 FNL, 1566 FEL	31 T23S R30E	2420 FSL, 384 FEL
POKER LAKE UNIT 19 DTD 117H	19 T24S R30E	1306 FNL, 369 FWL	6 T24S R30E	100 FNL, 670 FWL
POKER LAKE UNIT 19 DTD 210H	19 T24S R30E	1274 FNL, 1393 FWL	31 T23S R30E	2425 FSL, 1561 FWL
POKER LAKE UNIT 19 DTD 225H	19 T24S R30E	1277 FNL, 1853 FWL	31 T23S R30E	2424 FSL, 2453 FWL
POKER LAKE UNIT 19 DTD 317H	19 T24S R30E	1198 FNL, 2471 FWL	31 T23S R30E	2423 FSL, 2007 FEL
POKER LAKE UNIT 19 DTD 416H	19 T24S R30E	176 FNL, 1626 FEL	31 T23S R30E	2421 FSL, 1115 FEL
POKER LAKE UNIT 19 DTD 425H	19 T24S R30E	179 FNL, 1166 FEL	31 T23S R30E	2420 FSL, 223 FEL

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

☐**General Provisions**
☐**Permit Expiration**
☐**Archaeology, Paleontology, and Historical Sites**
☐**Noxious Weeds**
☒**Special Requirements**
- Watershed
- Range
- VRM IV

☐**Construction**
- Notification
- Topsoil
- Closed Loop System
- Federal Mineral Material Pits
- Well Pads
- Roads

☐**Road Section Diagram**
☒**Production (Post Drilling)**
- Well Structures & Facilities
- Pipelines
- Electric Lines

☐**Interim Reclamation**
☐**Final Abandonment & Reclamation**

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area 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 to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder 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 holder.

The holder is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA) to protect such cultural items as human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered inadvertently during the course of project implementation. In the event that any of the cultural items listed above are discovered during the course of project work, the proponent shall immediately halt the disturbance and contact the BLM within 24 hours for instructions. The proponent or initiator of any project shall be held responsible for protecting, evaluating, reporting, excavating, treating, and disposing of these cultural items according to the procedures established by the BLM in consultation with Indian Tribes."

There are two historic properties that are being surrounded by the proposed disturbance related to this project. While the disturbance related to this project is at least 100ft away from the sites, there is still a concern of future projects causing the area around the sites to shrink and ultimately cause a significant impact. In order to project the existing resources, no future development will be allowed to encroach on outside of the disturbance reviewed in this EA around LA 147548 and LA 147561.

Any paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area 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 to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder 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 holder.

IV. 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 and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Watershed:
The entire well pad(s) 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.

TANK BATTERY:
Tank battery locations will be lined and bermed. A 20-mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater. Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

BURIED/SURFACE LINE(S):
When crossing ephemeral drainages, the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons should be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences should be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars should be placed within the ROW to divert and dissipate surface runoff. A pipeline access road is not permitted to cross these ephemeral drainages. Traffic should be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

ELECTRIC LINE(S):
Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole should not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that would not promote further erosion.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the atCarlsbad Field Office at (575) 234-5909 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 Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. 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 (below six inches) 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.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS 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.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing
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 pit 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.)

G. ON LEASE ACCESS ROADS

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.

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 should 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.

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.

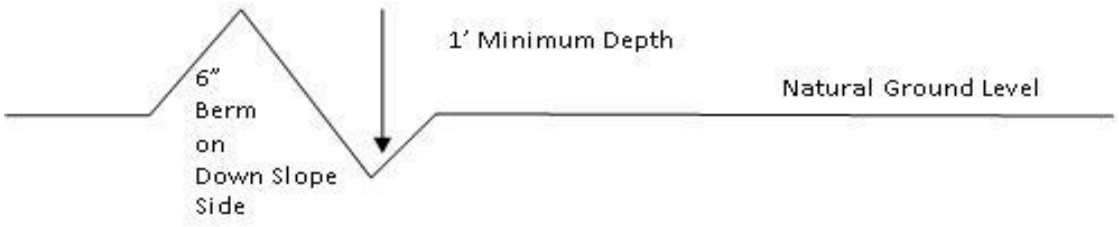
Ditching
Ditching shall be required on both sides of the road.

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.

Drainage
Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off 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:

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

Cattle guards
An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route 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 cattle guards that are in place and are utilized during lease operations.

Fence Requirement
Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

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

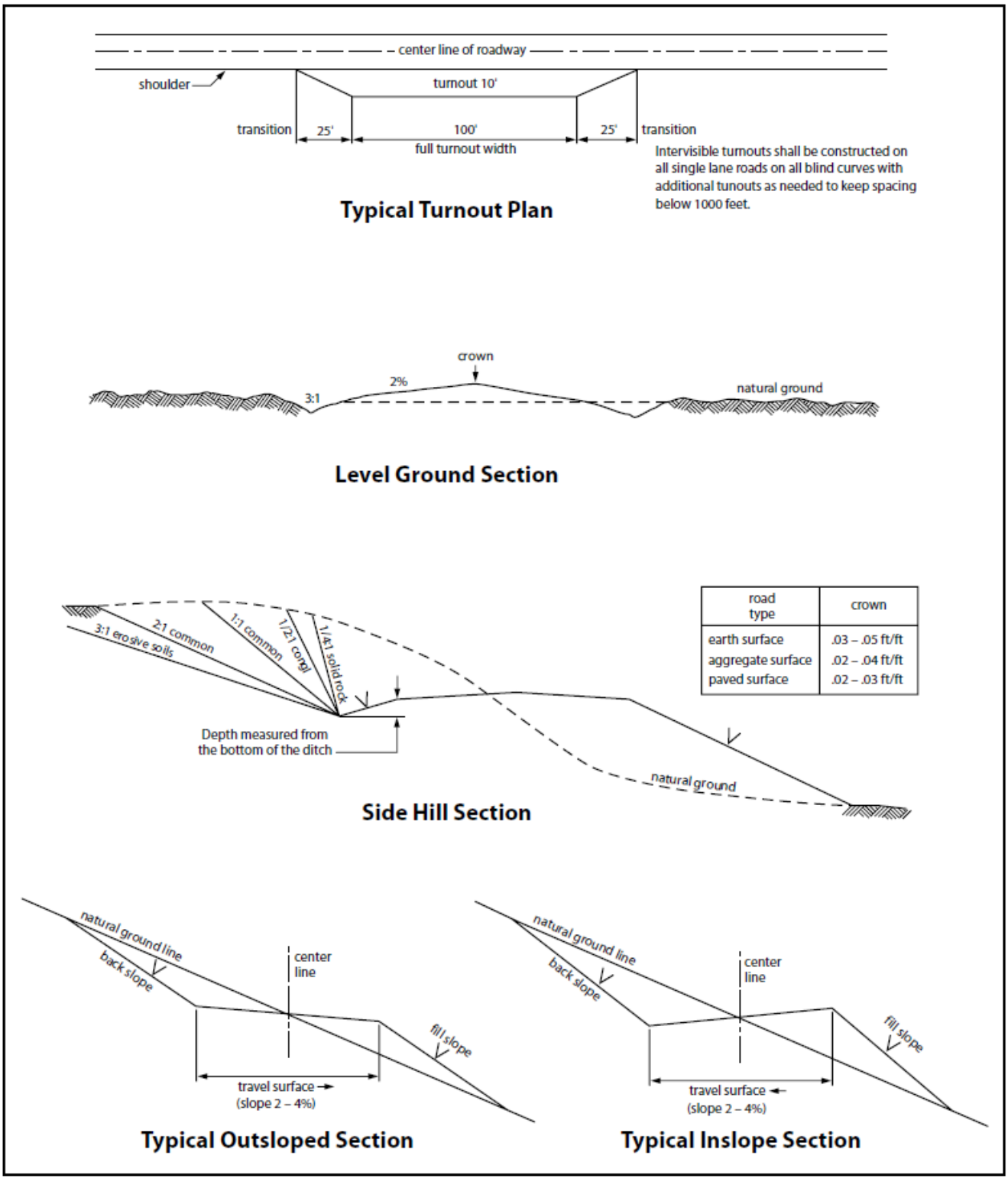


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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.

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.

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.

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.

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

B. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- If a void is encountered alignments may be rerouted to avoid the karst feature and lessen; the potential of subsidence or collapse of karst features, buildup of toxic or combustible gas, or other possible impacts to cave and karst resources from the buried pipeline.
- Special restoration stipulations or realignment may be required at such intersections, if any.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, situating values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C.

9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of **36** inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be **30** feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed **20** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation*.)

- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed **30** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)

- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately ___6___ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

☐**Seed Mixture 1**
☒**Seed Mixture 2**
☐**Seed Mixture 2/LPC**
☐**Seed Mixture 3**
☐**Seed Mixture 4**
☐**Seed Mixture Aplomado Falcon Mixture**

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. 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 associated roads, 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 and BLM requirements and policies.

17. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

C. ELECTRIC LINES

- Smaller powerlines will be routed around sinkholes and other karst features to avoid or lessen the possibility of encountering near surface voids and to minimize changes to runoff or possible leaks and spills from entering karst systems. Larger powerlines will adjust their pole spacing to avoid cave and karst features.
- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction.
- No further construction will be done until clearance has been issued by the Authorized Officer.
- Special restoration stipulations or realignment may be required.

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.

2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.

5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Special Stipulations:
For reclamation remove poles, lines, transformer, etc. and dispose of properly.
Fill in any holes from the poles removed.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should 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 should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. 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 below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

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 should 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.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture 2, for Sandy Sites

The holder 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 will be planted 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 have a tendency to drop the bottom of the drill and are planted first). The holder 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 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.

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

Well Name	Well Number	US Well Number	Lease Number	Case Number	Operator
POKER LAKE UNIT 19 DTD	211H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	105H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	212H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	225H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	226H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	228H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	229H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	401H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	402H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	415H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	106H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	115H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	116H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	416H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	117H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	417H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	418H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	425H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	201H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	202H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	209H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	426H		NMNM02860	NMNM71016X	XTO PERMIAN
POKER LAKE UNIT 19 DTD	428H		NMNM02860	NMNM71016X	XTO PERMIAN

Released to Imaging: 11/16/2026 7:24:17 AM

Notice of Intent

Sundry ID: 2939479

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/26/2026

Time Sundry Submitted: 02:13

Date proposed operation will begin: 10/30/2026

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

NOI Attachments

Procedure Description

BOP_Break_Test_Variance__Update_May_11___2026__20261026141016.pdf

Conditions of Approval

Specialist Review

Sundry_2939479_Poker_Lake_Unit_19_DTD_Pressure_Control_Update_20261026151416.pdf

Operator

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

Operator Electronic Signature: VISHAL RAJAN **Signed on:** OCT 26, 2026 02:10 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Clerk

Street Address: 3617 NORTH BIG SPRING STREET

City: MIDLAND **State:** TX

Phone: (432) 620-6704

Email address: VISHAL.RAJAN@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: ALLISON MORENCY **BLM POC Title:** Contractor WO

BLM POC Phone: 2029127157 **BLM POC Email Address:** amorency@blm.gov

Disposition: Approved **Disposition Date:** 10/26/2026

Signature: Allison Morency

CONFIDENTIAL

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. MULTIPLE

6. If Indian, Allottee or Tribe Name MULTIPLE

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

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

8. Well Name and No. MULTIPLE

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. MULTIPLE

3a. Address 3617 NORTH BIG APREING STREET, MIDLAND

3b. Phone No. *(include area code)* (432) 682-8873

10. Field and Pool or Exploratory Area MULTIPLE

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

11. Country or Parish, State MULTIPLE

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

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

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

XTO Permian Operating, LLC. respectfully requests to update the selected wells to include the revised break test variance COA language that has been modified to the following:

1. BOPE Break Testing is ONLY permitted for intermediate hole sections for MASP < 4800psi. (Annular preventer must be tested to a minimum of 70% of
annular RWP and shall be higher than the intermediate hole section MASP on initial full BOP test).
2. BOPE Break Testing is NOT permitted to drilling the production hole section.
3. Variance only pertains to the intermediate hole sections where BLM MASP < 4800 psi.
4. A full BOPE test is required prior to drilling the first intermediate hole section and intermediate hole sections exceeding 12,000 TVD (intermediate hole sections with MASP >4800psi will require 10M tests and will not be considered for break testing).
5. While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
6. Any well control event while drilling require notification to the BLM Petroleum Engineer prior to the commencement of any BOPE Break Testing operations.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* VISHAL RAJAN / Ph: (432) 620-6704

Title Regulatory Clerk

Signature (Electronic Submission)

Date 10/26/2026

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by ALLISON MORENCY / Ph: (202) 912-7157 / Approved

Title Contractor WO

Date 10/26/2026

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

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

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

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

The updated Break Test Variance document is attached for your review

Batch Well Data

POKER LAKE UNIT 19 DTD 211H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 105H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 212H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 225H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 226H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 228H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 229H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 401H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 402H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 415H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 106H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

CONFIDENTIAL

POKER LAKE UNIT 19 DTD 115H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 116H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 416H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 117H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 417H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 418H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 425H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 201H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 202H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 209H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 426H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

POKER LAKE UNIT 19 DTD 428H, US Well Number: null, Case Number: NMNM71016X, Lease Number: NMNM02860, Operator:XTO PERMIAN OPERATING LLC

CONFIDENTIAL

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

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

Background

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

Supporting Documentation

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



Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

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

62 API STANDARD 53

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

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

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

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

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

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

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

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

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

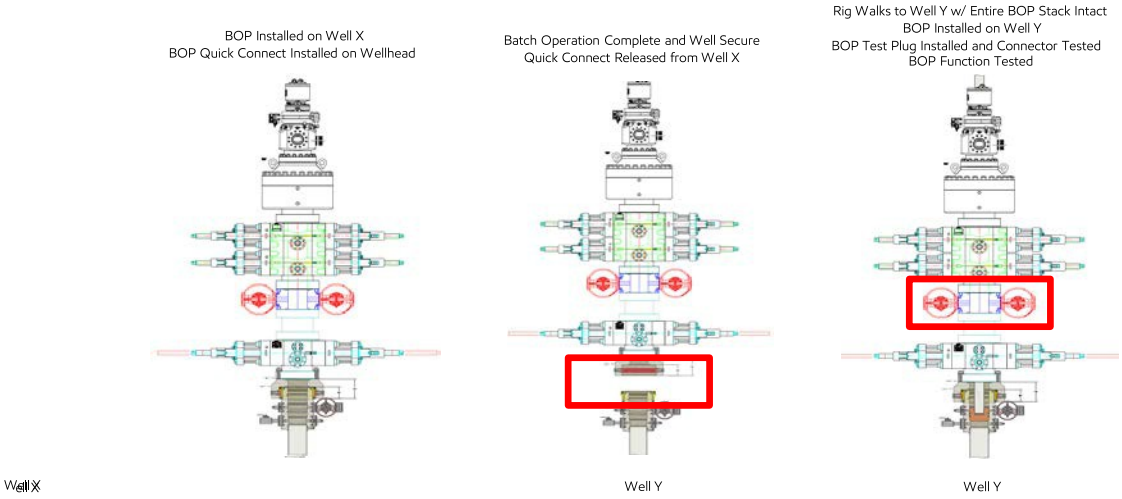
Exxon Mobil considers break testing and our current procedures meet the intent of CFR Title 43 Part 3170 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. Exxon Mobil internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. Exxon Mobil will use this document for break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. Exxon Mobil will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first intermediate hole section of the pad, and intermediate hole sections exceeding 12,000' TVD
    b. A Full BOP test will be required if the intermediate hole section being drilled has a BLM MASP over 4800 psi.
    c. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Connection between the HCV valve and choke line
    b. Connection between the BOP quick connect and the wellhead
4. The BOP will be lifted and removed from the wellhead by a hydraulic system
5. While transferring between wells, the BOPE will be secured by the hydraulic carrier or cradle.
6. The connections between the HCV valve - choke line and BOP quick connect - wellhead will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

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

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



Summary

- Variance is requested only for intermediate hole sections where MASP <4800 psi and intermediate hole sections do not exceed 12,000' TVD
- A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53.
- API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.
- The BOP will be secured by a hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer
- The BLM will be contacted 4 hours prior to BOPE tests.

Based on supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

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

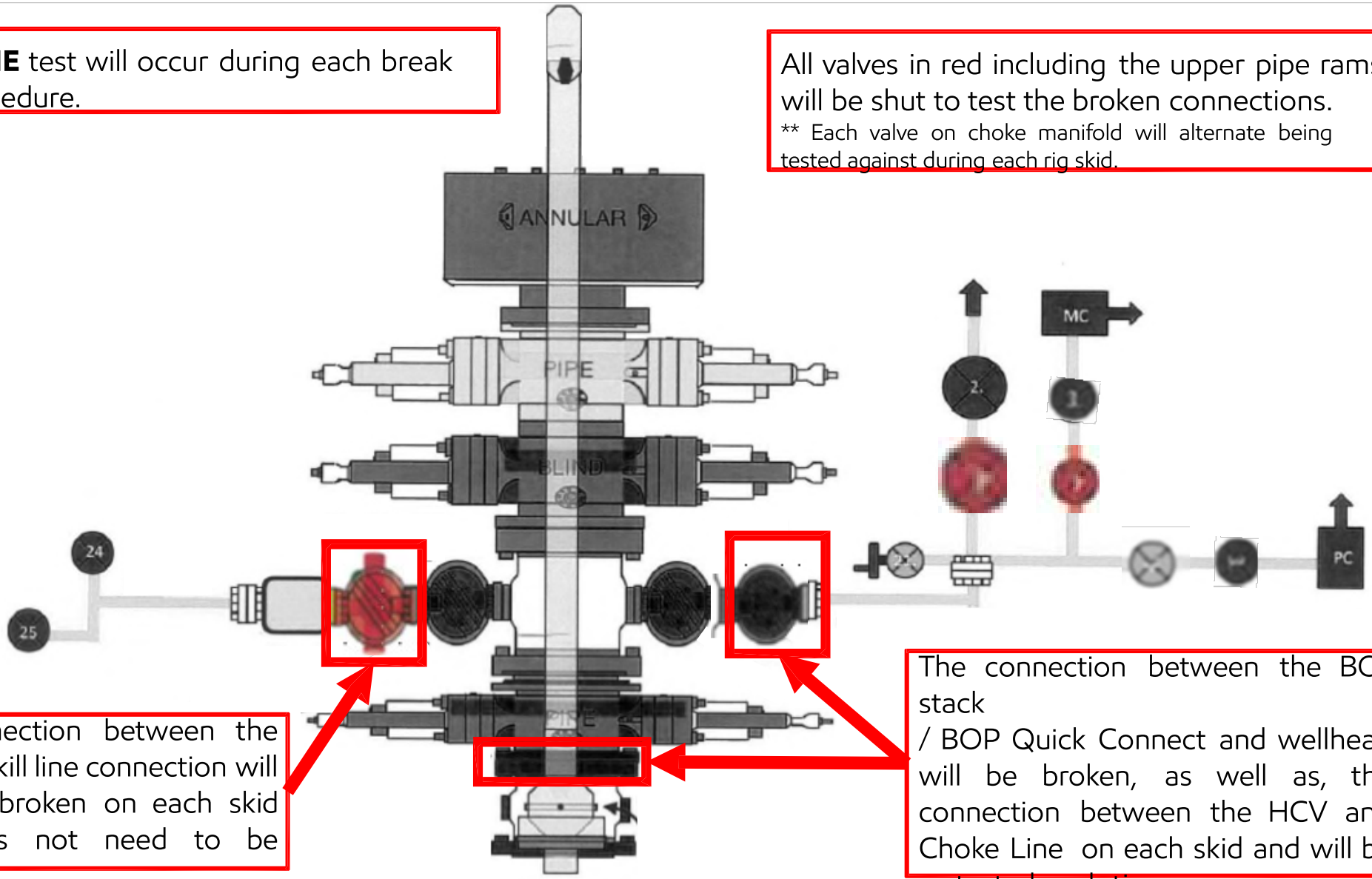
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 4800psi and/or intermediate hole sections exceeds 12,000' TVD

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

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

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

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



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

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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 19 DTD 106H Poker Lake Unit 19 DTD 115H Poker Lake Unit 19 DTD 116H Poker Lake Unit 19 DTD 117H Poker Lake Unit 19 DTD 201H Poker Lake Unit 19 DTD 202H Poker Lake Unit 19 DTD 209H Poker Lake Unit 19 DTD 402H Poker Lake Unit 19 DTD 415H Poker Lake Unit 19 DTD 416H Poker Lake Unit 19 DTD 417H Poker Lake Unit 19 DTD 418H Poker Lake Unit 19 DTD 425H Poker Lake Unit 19 DTD 426H Poker Lake Unit 19 DTD 428H
LOCATION:	Sec 19-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2939479** on 10/26/2026. Any previous COAs not addressed within the updated COAs still apply.*

NOTE: XTO has an amended break testing procedure compared to standard language.

C. PRESSURE CONTROL

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

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

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

1. BOPE Break Testing is ONLY permitted for intermediate hole sections for MASP <4800 psi. (Annular preventer must be tested to a minimum of 70% of annular RWP and shall be higher than the intermediate hole section MASP on initial full BOP test)
   a. **BOPE Break Testing is NOT permitted to drill the production hole section.**
   b. Variance only pertains to the intermediate hole sections where BLM MASP < 4800 psi.
   c. A full BOPE test is required prior to drilling **the first intermediate hole section and intermediate hole sections exceeding 12,000' TVD** (intermediate hole sections with MASP > 4800 psi will require 10M tests and will not be considered for break testing).
   d. While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
   e. 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.
   f. As a minimum, a full BOPE test shall be performed at 21-day intervals.
   g. In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3172.
   h. If in the event break testing is not utilized, then a full BOPE test would be conducted.

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

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 3617 North Big Spring Street MIDLAND, TX 79705	OGRID: 373075
	Action Number: 638512
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 638512

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 3617 North Big Spring Street MIDLAND, TX 79705	OGRID: 373075
	Action Number: 638512
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
vrajan	Cement is required to circulate on both surface and intermediate1 strings of casing.	11/2/2026
vrajan	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	11/2/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	11/16/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	11/16/2026
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.	11/16/2026
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.	11/16/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	11/16/2026
ward.rikala	Post Bradenhead cement squeeze, a CBL will be required. If zonal isolation was not achieved per OCD requirements, then remedial work is required before operations can continue.	11/16/2026
ward.rikala	Well can not be produced until operator is in compliance with Rule 5.9.	11/16/2026