AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 04/09/2025 09:41 AM

APD ID:	10400098951	Well Status:	AAPD
APD Received Date:	06/08/2024 09:35 AM	Well Name:	CORRAL 23-35 FED COM
Operator:	XTO ENERGY INCORPORATED	Well Number:	302H

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

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

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

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- New 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)
  -- Recontouring attachment: 3 file(s)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments

-- None

- Bond Report
- Bond Attachments
  -- None

Form 3160-3
(June 2015)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM120895

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

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

8. Lease Name and Well No.: CORRAL 23-35 FED COM 302H

2. Name of Operator: XTO ENERGY INCORPORATED

9. API Well No.: 30-015-56714

3a. Address: 15948 US HWY 77, ARDMORE, OK 73401

3b. Phone No. *(include area code)*: (325) 338-8339

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

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

At surface: SWNE / 1901 FNL / 2410 FEL / LAT 32.117532 / LONG -103.954351

At proposed prod. zone: SWSE / 50 FSL / 2220 FEL / LAT 32.079108 / LONG -103.953615

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 23/T25S/R29E/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): 1901 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 1920.0

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

19. Proposed Depth: 11271 feet / 27592 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3129 feet

22. Approximate date work will start*: 07/17/2025

23. Estimated duration: 30 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)*: TERRA SEBASTIAN / Ph: (432) 620-6700

Date: 06/08/2024

Title: Regulatory Advisor

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

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

Date: 04/03/2025

Title: Assistant Field Manager Lands & Minerals

Office: Carlsbad Field Office

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 04/03/2025

INSTRUCTIONS

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

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

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

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

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

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

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

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

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

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

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

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

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

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

(Continued on page 3)

Additional Operator Remarks

Location of Well

0. SHL: SWNE / 1901 FNL / 2410 FEL / TWSP: 25S / RANGE: 29E / SECTION: 23 / LAT: 32.117532 / LONG: -103.954351 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 330 FNL / 2220 FEL / TWSP: 25S / RANGE: 29E / SECTION: 23 / LAT: 32.121849 / LONG: -103.953729 (TVD: 11271 feet, MD: 12100 feet)

PPP: NWNE / 0 FSL / 2204 FEL / TWSP: 25S / RANGE: 29E / SECTION: 26 / LAT: 32.108162 / LONG: -103.953693 (TVD: 11271 feet, MD: 17400 feet)

BHL: SWSE / 50 FSL / 2220 FEL / TWSP: 25S / RANGE: 29E / SECTION: 35 / LAT: 32.079108 / LONG: -103.953615 (TVD: 11271 feet, MD: 27592 feet)

BLM Point of Contact

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

Review and Appeal Rights

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

PECOS DISTRICT

SURFACE USE

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Energy, Inc.
LEASE NO.:	NMNM14778 & NMNM120895
COUNTY:	Eddy County, New Mexico

Wells:

CORRAL 22-27 FED COM 405H: PAD D – A6
Surface Hole Location: 835' FEL & 284' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 440' FWL & 50' FSL, Section 27, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 101H: PAD A – A2
Surface Hole Location: 526' FWL & 694' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 540' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 102H: PAD A – A3
Surface Hole Location: 555' FWL & 697' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 550' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 103H: PAD A – A4
Surface Hole Location: 585' FWL & 701' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 750' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 104H: PAD A – A5
Surface Hole Location: 615' FWL & 705' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 990' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 105H: PAD A – A6
Surface Hole Location: 645' FWL & 709' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,170' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 106H: PAD A – A7
Surface Hole Location: 674' FWL & 713' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,380' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 107H: PAD A – A1
Surface Hole Location: 496' FWL & 690' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 330' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 201H: PAD B – A2
Surface Hole Location: 1,931' FWL & 879' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,590' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 202H: PAD B – A3
Surface Hole Location: 1,960' FWL & 882' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,980' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

Approval Date: 04/03/2025

CORRAL 22-34 FED COM 203H: PAD B – A4
Surface Hole Location: 1,990' FWL & 886' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,010' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 204H: PAD B – A5
Surface Hole Location: 2,020' FWL & 890' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,220' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 205H: PAD B – A6
Surface Hole Location: 2,050' FWL & 894' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,250' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 206H: PAD B – A7
Surface Hole Location: 2,079' FWL & 897' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,430' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 207H: PAD B – A1
Surface Hole Location: 1,901' FWL & 875' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,430' FWL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 301H: PAD C – A2
Surface Hole Location: 1,765' FEL & 596' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,430' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 302H: PAD C – A3
Surface Hole Location: 1,735' FEL & 600' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,220' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 303H: PAD C – A4
Surface Hole Location: 1,705' FEL & 603' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,140' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 304H: PAD C – A5
Surface Hole Location: 1,675' FEL & 607' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,010' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 305H: PAD C – A6
Surface Hole Location: 1,646' FEL & 611' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,590' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 306H: PAD C – A7
Surface Hole Location: 1,616' FEL & 592' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,380' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 307H: PAD C – A1
Surface Hole Location: 1,794' FEL & 592' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 2,520' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 401H: PAD D – A2
Surface Hole Location: 955' FEL & 284' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,170' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 402H: PAD D – A3
Surface Hole Location: 925' FEL & 284' FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 820' FEL & 50' FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 403H: PAD D – A4
Surface Hole Location: 895’ FEL & 284’ FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 750’ FEL & 50’ FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 404H: PAD D – A5
Surface Hole Location: 865’ FEL & 284’ FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 540’ FEL & 50’ FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 405H: PAD D – A6
Surface Hole Location: 835’ FEL & 284’ FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 440’ FEL & 50’ FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 406H: PAD D – A7
Surface Hole Location: 805’ FEL & 284’ FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 330’ FEL & 50’ FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 22-34 FED COM 407H: PAD C – A1
Surface Hole Location: 985’ FEL & 284’ FNL, Section 22, T. 25 S. R. 29 E.
Bottom Hole Location: 1,210’ FEL & 50’ FSL, Section 34, T. 25 S. R. 29 E.

CORRAL 23-35 FED COM 101H: Pad A – A1
Surface Hole Location: 257’ FWL & 86’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 345’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 102H: Pad A – A2
Surface Hole Location: 287’ FWL & 91’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 660’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 103H: Pad A – A3
Surface Hole Location: 316’ FWL & 96’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 750’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 104H: Pad A – B1
Surface Hole Location: 209’ FWL & 382’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 540’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 105H: Pad A – B2
Surface Hole Location: 238’ FWL & 387’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 540’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 106H: Pad A – B3
Surface Hole Location: 268’ FWL & 392’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,070’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 201H: Pad B – A1
Surface Hole Location: 1,771’ FWL & 1,673’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,380’ FWL & 50’ FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 202H: Pad B – A2
Surface Hole Location: 1,801’ FWL & 1,673’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,380’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 203H: Pad B – A3
Surface Hole Location: 1,831’ FWL & 1,673’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,980’ FWL & 50’ FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 204H: Pad B – A4
Surface Hole Location: 1,861' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,010' FWL & 50' FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 205H: Pad B – A5
Surface Hole Location: 2,261' FWL & 1,675' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,220' FWL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 206H: Pad B – A6
Surface Hole Location: 2,291' FWL & 1,675' FNL, Section 23, T. 25 S, R. 29 E.
Bottom Hole Location: 2,340' FWL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 207H: Pad B – A7
Surface Hole Location: 2,321' FWL & 1,675' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,430' FWL & 50' FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 208H: Pad B – A8
Surface Hole Location: 2,351' FWL & 1,675' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,520' FEL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 209H: Pad B – B1
Surface Hole Location: 1,770' FWL & 1,798' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,170' FWL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 210H: Pad B – B2
Surface Hole Location: 1,800' FWL & 1,798' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,590' FWL & 50' FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 301H: Pad C – A1
Surface Hole Location: 2,440' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,220' FEL & 50' FSL, Section 35, T. 25 S. R. 29 E.

CORRAL 23-35 FED COM 302H: Pad C – A2
Surface Hole Location: 2,410' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,220' FEL & 50' FSL, Section 35, T. 25 S. R. 29 E.

CORRAL 23-35 FED COM 303H: Pad C – A3
Surface Hole Location: 2,380' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,980' FEL & 50' FSL, Section 35, T. 25 S. R. 29 E.

CORRAL 23-26 FED COM 304H: Pad C – A4
Surface Hole Location: 2,350' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,590' FEL & 50' FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 305H: Pad C – A5
Surface Hole Location: 1,950' FEL & 1,902' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,380' FEL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 ED COM 306H: Pad C – A6
Surface Hole Location: 1,920' FEL & 1,902' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 1,050' FEL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-35 FED COM 307H: Pad C – A7
Surface Hole Location: 1,890' FEL & 1,902' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 660' FEL & 50' FSL, Section 35, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 308H: Pad C – A8
Surface Hole Location: 1,860' FEL & 1,902' FNL, Section 23, T. 25 S, R. 29 E.
Bottom Hole Location: 540' FEL & 50' FSL, Section 26, T. 25 S, R. 29E.

CORRAL 23-26 FED COM 309H: Pad C – B1
Surface Hole Location: 2,440' FEL & 2,026' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,430' FEL & 50' FSL, Section 26, T. 25 S, R. 29 E.

CORRAL 23-26 FED COM 310H: Pad C – B2
Surface Hole Location: 2,410' FEL & 2,026' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: 2,010' FEL & 50' FSL, Section 26, T. 25 S, R. 29 E.

FUTURE WELL #1: Pad B – B3
Surface Hole Location: 1,831' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #2: Pad B – B4
Surface Hole Location: 1,861' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #3: Pad B – B5
Surface Hole Location: 1,831' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #4: Pad B – B6
Surface Hole Location: 1,861' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #5: Pad B – B7
Surface Hole Location: 1,831' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #6: Pad B – B8
Surface Hole Location: 1,861' FWL & 1,673' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #7: Pad C – B3
Surface Hole Location: 2,380' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #8: Pad C – B4
Surface Hole Location: 2,350' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #9: Pad C – B5
Surface Hole Location: 1,950' FEL & 1,902' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #10: Pad C – B6
Surface Hole Location: 2,350' FEL & 1,901' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

FUTURE WELL #11: Pad C – B7
Surface Hole Location: 1,950' FEL & 1,902' FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

 Approval Date: 04/03/2025

FUTURE WELL #12: Pad C – B8
Surface Hole Location: 1,950’ FEL & 1,902’ FNL, Section 23, T. 25 S. R. 29 E.
Bottom Hole Location: N/A

TABLE OF CONTENTS

1. GENERAL PROVISIONS

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

1.1. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

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

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

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

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

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

1.2. RANGELAND RESOURCES

1.2.1. **Cattleguards**

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

1.2.2. **Fence Requirement**

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

1.2.3. **Livestock Watering Requirement**

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

1.3. NOXIOUS WEEDS

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

1.3.1 African Rue (Peganum harmala)

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

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

1.4. LIGHT POLLUTION

1.4.1. **Downfacing**

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

1.4.2. **Shielding**

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

1.4.3. **Lighting Color**

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

2. SPECIAL REQUIREMENTS

2.1. WATERSHED

The entire well pad(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 waterflow 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 immediately 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 with waddles (minimum 9" height) surrounding the stockpiled soil to prevent soil loss due to water/wind erosion. The waddles are to be maintained throughout the life of the project. 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.

Any water erosion that may occur due to the construction of the well pad and during the life of the well pad will be immediately corrected and proper measures will be taken to prevent future erosion.

2.1.1. **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. Secondary containment holding capacity must be large enough to contain 1 ½ times the content of the largest tank or 24-hourproduction, whichever is greater (displaced volume from all tanks within the berms MUST be subtracted from total volume of containment in calculating holding capacity). 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.

2.1.2. **Buried/Surface Line(s)**

When crossing ephemeral drainages (marked and unmarked), the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. In ephemeral flow paths, rivers, and streams excess soil is to be compacted and level to ground surface, allowing water to flow in its natural state. 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 (plastic and 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. Any water erosion that may occur due to construction or during the life of the pipeline system will be immediately corrected and proper measures will be taken to prevent erosion. Any spills or leaks from the proposed pipeline must be reported to BLM immediately.

Prior to pipeline installation and 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. Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.

The pipeline is to not obstruct ephemeral drainages, draws, or streams allowing water to flow in its natural state unobstructed. Any water erosion that may occur due to the construction within the ROW would be corrected by the operator within two weeks and proper measures would be taken to prevent future erosion events. Any spills or leaks from the proposed produced water pipeline must be reported to BLM immediately.

2.1.3. **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 must not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that does not promote further erosion.

2.1.4. **Temporary Use Fresh Water Frac Line(s)**

Once the temporary use exceeds the timeline of 180 days and/or with a 90 day extension status; further analysis will be required if the applicant pursues to turn the temporary ROW into a permanent ROW.

The pipeline is to not obstruct ephemeral drainages or streams allowing water to flow in its natural state unobstructed. Any water erosion that may occur due to the construction within the ROW would be corrected by the operator within two weeks and proper measures would be taken to prevent future erosion events. Any spills or leaks from the proposed produced water pipeline must be reported to BLM immediately.

2.2. CAVE/KARST

2.2.1. **General Construction**

- No blasting
- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction, and no additional construction shall occur until clearance has been issued by the Authorized Officer.
- All linear surface disturbance activities will avoid sinkholes and other karst features to lessen the possibility of encountering near surface voids during construction, minimize changes to runoff, and prevent untimely leaks and spills from entering the karst drainage system.
- This is a sensitive area and all spills or leaks will be reported to the BLM immediately for their immediate and proper treatment, as defined in NTL 3A for Major Undesirable Events.

2.2.2. **Pad Construction**

- The pad will be constructed and leveled by adding the necessary fill and caliche. No blasting will be used for any construction or leveling activities.
- The entire perimeter of the well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.
- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g., caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- 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.
- 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 access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised (i.e. an access road crossing the berm cannot be lower than the berm height).

- Following a rain event, all fluids will be vacuumed off of the pad and hauled off-site and disposed at a proper disposal facility.

2.2.3. **Road Construction**

- Turnout ditches and drainage leadoffs will not be constructed in such a manner as to alter the natural flow of water into or out of cave or karst features.
- Special restoration stipulations or realignment may be required if subsurface features are discovered during construction.

2.2.4. **Buried Pipeline/Cable Construction**

- Rerouting of the buried line(s) may be required if a subsurface void is encountered during construction to minimize the potential subsidence/collapse of the feature(s) as well as the possibility of leaks/spills entering the karst drainage system.

2.2.5. **Powerline Construction**

- 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.
- Special restoration stipulations or realignment may be required if subsurface voids are encountered.

2.2.6. **Surface Flowlines Installation**

- Flowlines will be routed around sinkholes and other karst features to minimize the possibility of leaks/spills from entering the karst drainage system.

2.2.7. **Production Mitigation**

- Tank battery locations and facilities will be bermed and lined with a 20-mil thick permanent liner that has a 4 oz. felt backing, or equivalent, to prevent tears or punctures. Secondary containment holding capacity must be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater (displaced volume from all tanks within the berms MUST be subtracted from total volume of containment in calculating holding capacity).
- Implementation of a leak detection system to provide an early alert to operators when a leak has occurred.
- Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

2.2.8. **Residual and Cumulative Mitigation**

The operator will perform annual pressure monitoring on all casing annuli. If the test results indicate a casing failure has occurred, contact a BLM Engineer immediately, and take remedial action to correct the problem.

2.2.9. **Plugging and Abandonment Mitigation**

Upon well abandonment in high cave karst areas, additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

2.3 WILDLIFE

2.3.2. **Texas Hornshell Mussel**

Oil and Gas and Associated Infrastructure Mitigation Measures for Zone D – CCA Boundary Requirements:

- Provide CEHMM with the permit, lease, or other authorization form BLM, if applicable.
- Provide CEHMM with plats or other electronic media describing the new surface disturbance for the project.

Oil and Gas Zone D - CCA Boundary requirements.

- Implement erosion control measures in accordance with the Reasonable and Prudent Practices for Stabilization ("RAPPS")
- Comply with SPCC requirements in accordance with 40 CFR Part 112;
- Comply with the United States Army Corp of Engineers (USACE) Nationwide 12 General Permit, where applicable;
- Utilize technologies (like underground borings for pipelines), where feasible;
- Educate personnel, agents, contractors, and subcontractors about the requirements of conservation measures, COAs, Stips and provide direction in accordance with the Permit.

2.4 VISUAL RESOURCE MANAGEMENT

2.5.1 **VRM IV**

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

3. CONSTRUCTION REQUIRENMENTS

3.1 CONSTRCUTION NOTIFICATION

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

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

3.2 TOPSOIL

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

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

3.3 CLOSED LOOP SYSTEM

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

3.4 FEDERAL MINERAL PIT

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

3.5 WELL PAD & SURFACING

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

3.6 EXCLOSURE FENCING (CELLARS & PITS)

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

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

3.7 ON LEASE ACESS ROAD

3.7.1 **Road Width**

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

3.7.2 **Surfacing**

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

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

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

3.7.3 **Crowning**

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

3.7.4 **Ditching**

Ditching shall be required on both sides of the road.

3.7.5 **Turnouts**

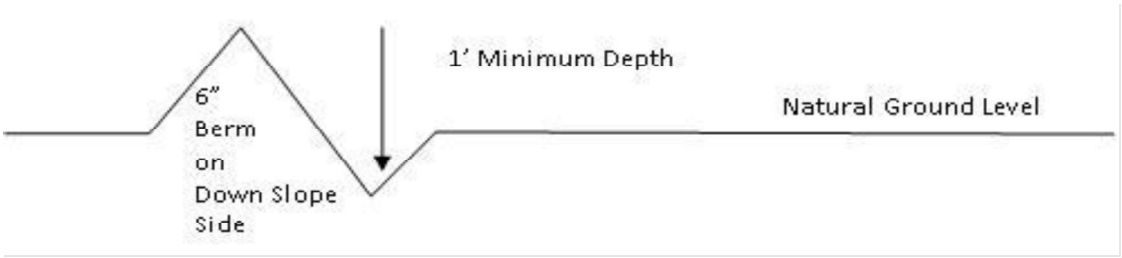
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 **Drainage**

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

3.7.7 **Public Access**

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

Construction Steps

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

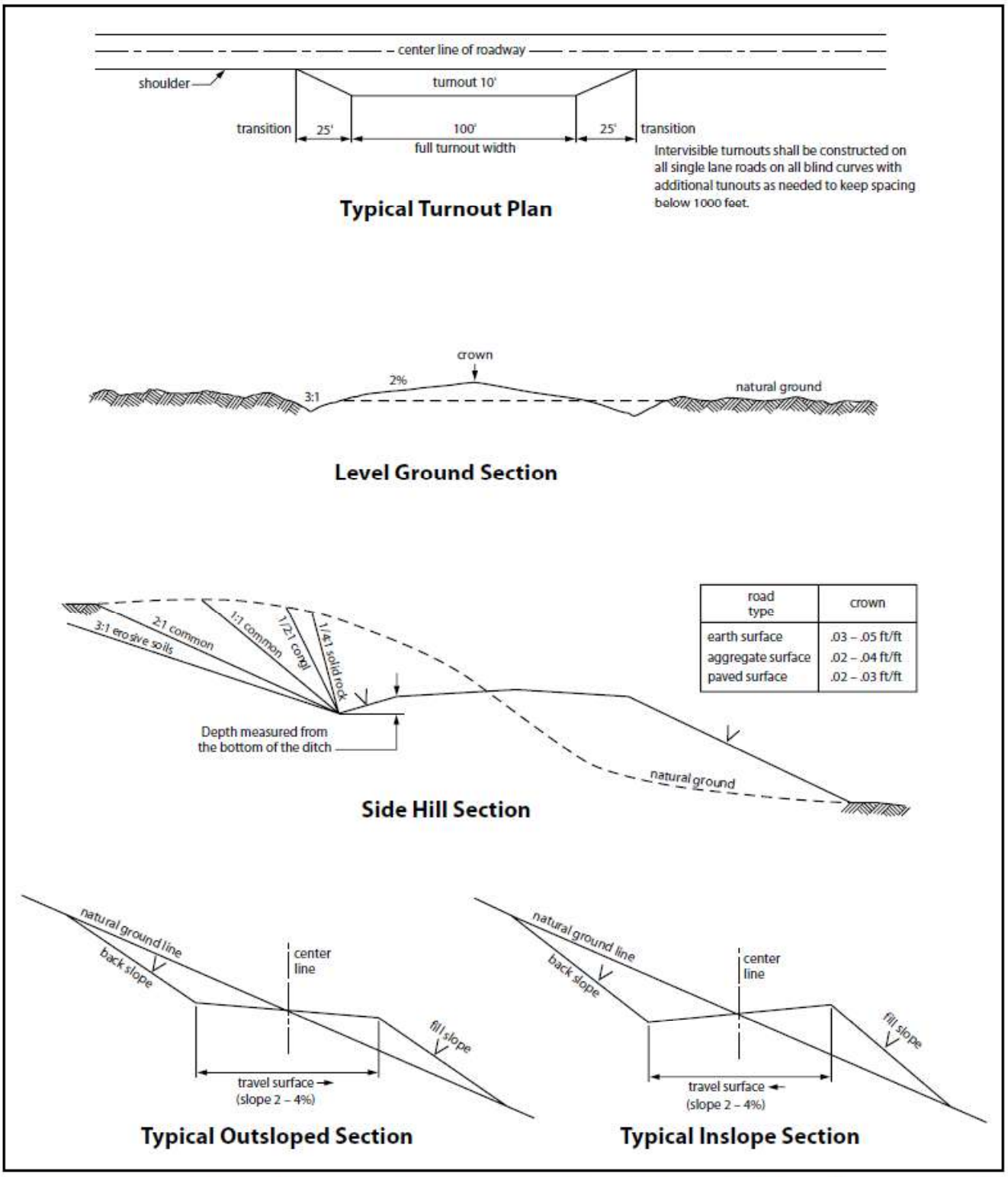


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

4. 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.
- 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.

4.1 BURIED PIPELINES

A copy of the application (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 a copy of your permit during construction to ensure compliance with all stipulations.

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

1. The Operator 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 APD.

2. The Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator 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 pipeline corridor or on facilities authorized under this APD. (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 operator 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 Pipeline corridor (unless the release or threatened release is wholly unrelated to the operator's activity on the pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This agreement applies without regard to whether a release is caused by the operator, 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 is 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 operator, regardless of fault. Upon failure of operator 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 operator. Such action by the Authorized Officer shall not relieve operator of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized pipeline corridor.

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 the 60ft pipeline corridor will be 60 feet:

   - Blading of vegetation within the pipeline corridor will be allowed: maximum width of blading operations will not exceed **40** 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 pipeline corridor will be allowed: maximum width of clearing operations will not exceed **60** 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 pipeline corridor (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The maximum allowable disturbance for construction in the 100ft pipeline corridor will be 100 feet:

   - Blading of vegetation within the pipeline corridor will be allowed: maximum width of blading operations will not exceed 66 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 pipeline corridor will be allowed: maximum width of clearing operations will not exceed 100 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 pipeline corridor (if any) shall only be disturbed by compressing the vegetation. (Compressing can be caused by vehicle tires, placement of equipment, etc.)

9. The operator 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.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this pipeline corridor and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire pipeline corridor 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. The pipeline will be identified by signs at the point of origin and completion of the pipeline corridor and at all road crossings. At a minimum, signs will state the operator'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.

12. The operator 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 operator before maintenance begins. The operator 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 operator to construct temporary deterrence structures.

13. 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.

14. 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 alive 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. Before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them alive at least 100 yards from the trench.

15. Special Stipulations:
    Karst:

    - 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.

4.2 SURFACE PIPELINES

A copy of the APD and attachments, including stipulations, survey plat(s) and/or map(s), shall be on location during construction. BLM personnel may request to review a copy of your permit during construction to ensure compliance with all stipulations.

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

1. Operator 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 APD.

2. Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC § 2601 et seq. (1982) with regard to any toxic substances that are used, generated by or stored on the pipeline corridoror on facilities authorized under this APD (see 40 CFR, Part 702-799 and in particular, 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. Operator 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 Pipeline corridor (unless the release or threatened release is wholly unrelated to activity of the Operator's activity on the Pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This provision applies without regard to whether a release is caused by Operator, its agent, or unrelated third parties.

4. Operator shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. Operator shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the pipeline corridor or permit area:

   a. Activities of Operator including, but not limited to: construction, operation, maintenance, and termination of the facility;

   b. Activities of other parties including, but not limited to:
      (1) Land clearing
      (2) Earth-disturbing and earth-moving work
      (3) Blasting
      (4) Vandalism and sabotage

   c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars ($1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant is discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of Operator, regardless of fault. Upon failure of Operator 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 they deem 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 Operator. Such action by the Authorized Officer shall not relieve Operator of any responsibility as provided herein.

6. All construction and maintenance activity shall be confined to the authorized pipeline corridor width of 30-feet. If the pipeline route follows an existing road or buried pipeline corridor, the surface pipeline shall be installed no farther than 10 feet from the edge of the road or buried pipeline corridor. If existing surface pipelines prevent this distance, the proposed surface pipeline shall be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity shall be confined to existing roads or pipeline corridors.

 Approval Date: 04/03/2025

7. No blading or clearing of any vegetation shall be allowed unless approved in writing by the Authorized Officer.

8. Operator shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline shall be "snaked" around hummocks and dunes rather than suspended across these features.

9. The pipeline shall be buried with a minimum of 6 inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The operator shall minimize disturbance to existing fences and other improvements on public lands. The operator is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The operator 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.

11. In those areas where erosion control structures are required to stabilize soil conditions, the operator 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. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the operator to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – Shale Green, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the pipeline corridor and at all road crossings. At a minimum, signs will state the operator's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The operator 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 operator. The operator will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. 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, powerline 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.

16. Surface pipelines shall be less than or equal to 4 inches and a working pressure below 125 psi.

4.3 RANGLAND MITIGATION FOR PIPELINES

4.5.1 **Fence Requirement**

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

4.5.2 **Cattleguards**

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

4.5.3 **Livestock Watering Requirement**

Structures that provide water to livestock, such as windmills, pipelines, drinking troughs, and earthen reservoirs, will be avoided by moving the proposed action.

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

- Livestock operators will be contacted, and adequate crossing facilities will be provided as needed to ensure livestock are not prevented from reaching water sources because of the open trench.
- Wildlife and livestock trails will remain open and passable by adding soft plugs (areas where the trench is excavated and replaced with minimal compaction) during the construction phase. Soft plugs with ramps on either side will be left at all well-defined livestock and wildlife trails along the open trench to allow passage across the trench and provide a means of escape for livestock and wildlife that may enter the trench.
- Trenches will be backfilled as soon as feasible to minimize the amount of open trench. The Operator will avoid leaving trenches open overnight to the extent possible and open trenches that cannot be backfilled immediately will have escape ramps (wooden) placed at no more than 2,500 feet intervals and sloped no more than 45 degrees.

5. OVERHEAD ELECTRIC LINES

A copy of the APD 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.

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

1. The operator 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 APD.
2. The operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator 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 powerline corridor or on facilities authorized under this powerline corridor. (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 operator 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 Powerline corridor(unless the release or threatened release is wholly unrelated to the operator's activity on the powerline

corridor), or resulting from the activity of the Operator on the powerline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.

4. There will be no clearing or blading of the powerline corridor 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 operator 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 powerline corridor, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the operator without liability or expense to the United States.
6. 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.
7. The operator shall minimize disturbance to existing fences and other improvements on public lands. The operator is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The operator 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.
8. 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.
9. Upon cancellation, relinquishment, or expiration of this APD, the operator shall comply with those abandonment procedures as prescribed by the Authorized Officer.
10. 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 APD, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.
11. Special Stipulations:
    - For reclamation remove poles, lines, transformer, etc. and dispose of properly. Fill in any holes from the poles removed.
12. Karst stipulations for overhead 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.

6. PRODUCTION (POST DRILLING)

5.1 WELL STRUCTURES & FACILITIES

5.1.1 **Placement of Production Facilities**

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

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

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

5.1.3. Chemical and Fuel Secondary Containment and Exclosure Screening

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

5.1.4. Open-Vent Exhaust Stack Exclosures

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

5.1.5. Containment Structures

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

7. RECLAMATION

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

6.1 ROAD AND SITE RECLAMATION

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

6.2 EROSION CONTROL

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

6.3 INTERIM RECLAMATION

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

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

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

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

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

6.4 FINAL ABANDONMENT & RECLAMATION

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

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

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

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding will be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM. After earthwork and seeding is completed, the operator is required to submit a Sundry Notice, Subsequent Report of Reclamation.

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

6.5 SEEDING TECHNIQUES

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

6.6 SOIL SPECIFIC SEED MIXTURE

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

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

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

Seed Mixture 2, for Sandy Site
Species to be planted in pounds of pure live seed* per acre:

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

*Pounds of pure live seed:

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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMNM120895**
LOCATION:	Sec. 23, T.25 S, R 29 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Corral 23-35 Fed Com 301H
SURFACE HOLE FOOTAGE:	1901'/N & 2440'/E
BOTTOM HOLE FOOTAGE:	50'/S & 2220'/E

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **750** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping

 Approval Date: 04/03/2025

cement and ideally between 8-10 hours after completing the cement job.

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

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 5791'.**

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

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

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

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

C. PRESSURE CONTROL

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

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

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

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

BOPE Break Testing Variance

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

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 4/1/2025
575-234-5998 / zstevens@blm.gov

 Approval Date: 04/03/2025

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

Operator Certification Data Report
04/09/2025

Operator

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

NAME: VISHAL RAJAN **Signed on:** 06/08/2024

Title: Regulatory Clerk

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX **Zip:** 79707

Phone: (432)620-6704

Email address: VISHAL.RAJAN@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
04/09/2025

APD ID: 10400098951
Submission Date: 06/08/2024
Operator Name: XTO ENERGY INCORPORATED
Well Name: CORRAL 23-35 FED COM
Well Number: 302H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400098951
Tie to previous NOS? N
Submission Date: 06/08/2024
BLM Office: Carlsbad
User: VISHAL RAJAN
Title: Regulatory Clerk
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM120895
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: XTO ENERGY INCORPORATED
Operator letter of

Operator Info

Operator Organization Name: XTO ENERGY INCORPORATED
Operator Address: 222777 SPRINGSWOODS VILLAGE PKWY
Zip: 77389
Operator PO Box:
Operator City: SPRING
State: TX
Operator Phone: (817)870-2800
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: CORRAL 23-35 FED COM
Well Number: 302H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: PURPLE SAGE
Pool Name: WOLFCAMP(GAS)

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** CORRAL 23-35 FED COM **Number:** C

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

Well Work Type: Drill

Well Type: CONVENTIONAL GAS WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: **Distance to nearest well:** 30 FT **Distance to lease line:** 1901 FT

Reservoir well spacing assigned acres Measurement: 1920 Acres

Well plat: CORRAL_23_35_FED_COM_302H_C102_20250223181542.pdf

Well work start Date: 07/17/2025 **Duration:** 30 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	1901	FNL	2410	FEL	25S	29E	23	Aliquot SWNE	32.117532	-103.954351	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 120895	3129	0	0	Y
KOP Leg #1	1901	FNL	2410	FEL	25S	29E	23	Aliquot SWNE	32.117532	-103.954351	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 120895	-7404	10900	10533	Y
PPP Leg #1-1	330	FNL	2220	FEL	25S	29E	23	Aliquot NWNE	32.121849	-103.953729	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 120895	-8142	12100	11271	Y

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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	FSL	2204	FEL	25S	29E	26	Aliquot NWNE	32.108162	-103.953693	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 100554	-8142	17400	11271	Y
EXIT Leg #1	330	FSL	2220	FEL	25S	29E	35	Aliquot SWSE	32.079877	-103.953617	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 54290	-8142	27316	11271	Y
BHL Leg #1	50	FSL	2220	FEL	25S	29E	35	Aliquot SWSE	32.079108	-103.953615	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 54290	-8142	27592	11271	Y

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-56714	98220	PURPLE SAGE;WOLFCAMP (GAS)

Property Code	Property Name	Well Number
337322	CORRAL 23-35 FED COM	302H

OGRID No.	Operator Name	Ground Level Elevation
005380	XTO ENERGY, INC.	3,129'

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

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	23	25S	29E		1,901 FNL	2,410 FEL	32.117532	-103.954351	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	35	25S	29E		50 FSL	2,220 FEL	32.079108	-103.953615	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,920.00	Infill		Y	C

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

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	23	25S	29E		1,901 FNL	2,410 FEL	32.117532	-103.954351	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	25S	29E		330 FNL	2,220 FEL	32.121849	-103.953729	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	35	25S	29E		330 FSL	2,220 FEL	32.079877	-103.953617	EDDY

Unitized Area of Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
		3,129'

OPERATOR CERTIFICATIONS

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

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

Jena Austin — 4/16/2025
Signature — Date

Jena Austin
Printed Name

Jena.N.Austin@ExxonMobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786 — 1/20/2025
Certificate Number — Date of Survey

YH 618.013013.11-17

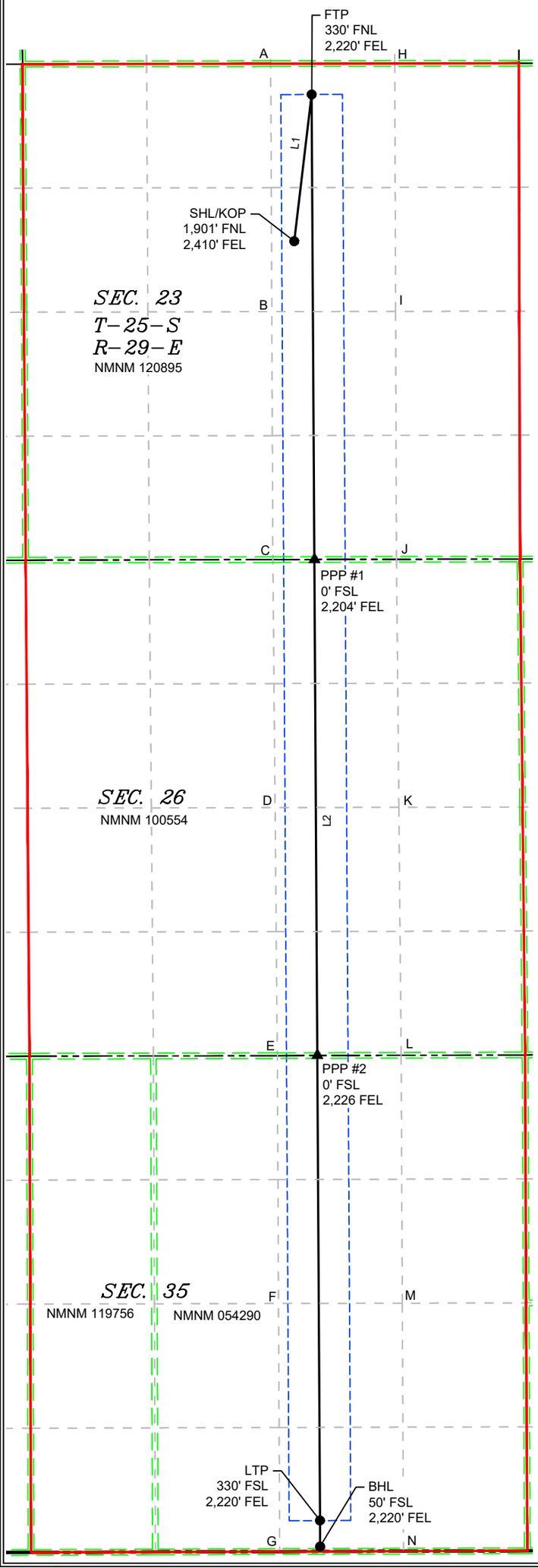
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\Wells\-17 - 302H\DWG\302H C-102.dwg

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	006°47'16"	1,582.12'
L2	179°40'05"	15,548.61'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			**SHL/KOP (NAD 27 NME)**		
Y =	406,700.8	N	Y =	406,642.3	N
X =	658,667.7	E	X =	617,483.3	E
LAT. =	32.117532	°N	LAT. =	32.117408	°N
LONG. =	103.954351	°W	LONG. =	103.953865	°W
FTP (NAD 83 NME)			**FTP (NAD 27 NME)**		
Y =	408,271.8	N	Y =	408,213.3	N
X =	658,854.7	E	X =	617,670.3	E
LAT. =	32.121849	°N	LAT. =	32.121724	°N
LONG. =	103.953729	°W	LONG. =	103.953243	°W
PPP #1 (NAD 83 NME)			**PPP #1 (NAD 27 NME)**		
Y =	403,292.7	N	Y =	403,234.3	N
X =	658,883.6	E	X =	617,699.0	E
LAT. =	32.108162	°N	LAT. =	32.108037	°N
LONG. =	103.953693	°W	LONG. =	103.953207	°W
PPP #2 (NAD 83 NME)			**PPP #2 (NAD 27 NME)**		
Y =	397,982.5	N	Y =	397,924.3	N
X =	658,914.5	E	X =	617,729.8	E
LAT. =	32.093564	°N	LAT. =	32.093439	°N
LONG. =	103.953653	°W	LONG. =	103.953169	°W
LTP (NAD 83 NME)			**LTP (NAD 27 NME)**		
Y =	393,003.5	N	Y =	392,945.4	N
X =	658,943.4	E	X =	617,758.5	E
LAT. =	32.079877	°N	LAT. =	32.079752	°N
LONG. =	103.953617	°W	LONG. =	103.953132	°W
BHL (NAD 83 NME)			**BHL (NAD 27 NME)**		
Y =	392,723.5	N	Y =	392,665.4	N
X =	658,944.8	E	X =	617,759.9	E
LAT. =	32.079108	°N	LAT. =	32.078982	°N
LONG. =	103.953615	°W	LONG. =	103.953131	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	408,601.2	N	A - X =	658,415.7	E
B - Y =	405,946.1	N	B - X =	658,427.6	E
C - Y =	403,291.7	N	C - X =	658,439.5	E
D - Y =	400,636.7	N	D - X =	658,462.9	E
E - Y =	397,981.1	N	E - X =	658,486.3	E
F - Y =	395,327.4	N	F - X =	658,499.3	E
G - Y =	392,672.0	N	G - X =	658,512.3	E
H - Y =	408,603.2	N	H - X =	659,744.9	E
I - Y =	405,948.9	N	I - X =	659,753.3	E
J - Y =	403,294.6	N	J - X =	659,763.6	E
K - Y =	400,639.9	N	K - X =	659,788.8	E
L - Y =	397,984.9	N	L - X =	659,813.6	E
M - Y =	395,331.0	N	M - X =	659,825.6	E
N - Y =	392,676.5	N	N - X =	659,838.6	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	408,542.7	N	A - X =	617,231.3	E
B - Y =	405,887.7	N	B - X =	617,243.1	E
C - Y =	403,233.3	N	C - X =	617,254.9	E
D - Y =	400,578.4	N	D - X =	617,278.3	E
E - Y =	397,922.9	N	E - X =	617,301.6	E
F - Y =	395,269.2	N	F - X =	617,314.5	E
G - Y =	392,613.9	N	G - X =	617,327.4	E
H - Y =	408,544.7	N	H - X =	618,560.5	E
I - Y =	405,890.5	N	I - X =	618,568.8	E
J - Y =	403,236.2	N	J - X =	618,579.0	E
K - Y =	400,581.6	N	K - X =	618,604.1	E
L - Y =	397,926.7	N	L - X =	618,628.9	E
M - Y =	395,272.9	N	M - X =	618,640.8	E
N - Y =	392,618.4	N	N - X =	618,653.8	E

YH 618.013013.11-17

\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\Wells\-17 - 302H\DWG\302H C-102.dwg

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

Drilling Plan Data Report
04/09/2025

APD ID: 10400098951
Submission Date: 06/08/2024

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM
Well Number: 302H

Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
15350219	QUATERNARY	3129	0	0	ALLUVIUM	USEABLE WATER	N
15350220	SALADO	2045	1084	1084	SALT	NONE	N
15350221	BASE OF SALT	22	3107	3107	SALT	NONE	N
15350222	DELAWARE	-168	3297	3297	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350223	BRUSHY CANYON	-2662	5791	5791	SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350224	BONE SPRING	-3932	7061	7061	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350225	BONE SPRING 1ST	-4694	7823	7823	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350226	BONE SPRING 2ND	-5285	8414	8414	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350227	BONE SPRING 3RD	-6098	9227	9227	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
15350231	WOLFCAMP	-7139	10268	10268	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350232	WOLFCAMP	-7163	10292	10292	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350233	WOLFCAMP	-7230	10359	10359	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350230	WOLFCAMP	-7275	10404	10404	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350234	WOLFCAMP	-7609	10738	10738	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350229	WOLFCAMP	-7837	10966	10966	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
15350228	WOLFCAMP	-8042	11171	11171	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y

Section 2 - Blowout Prevention

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Pressure Rating (PSI): 10M **Rating Depth:** 11271

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

Variance request: XTO requests a variance to allow the use of a flex hose. See attached. XTO requests a variance to be able to batch drill this well if necessary. XTO requests a variance to utilize a spudder rig. See attached. XTO requests a variance to use a 5M annular BOP with a 10M BOP stack. See attached.
Testing Procedure: All BOP testing will be done by an independent service company. Operator will test as per 43 CFR 3172.
Choke Diagram Attachment:

Corral_23_35_Fed_10MCM_20250106151446.pdf

BOP Diagram Attachment:

Corral_23_35_Fed_5M10MBOP_20250106151509.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	1034	0	1034	3129	2095	1034	J-55	54.5	BUTT	2.47	1.1	DRY	16.13	DRY	16.13
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	10489	0	10136	3095	-7007	10489	L-80	40	BUTT	1.67	1.14	DRY	3.53	DRY	3.53
3	PRODUCTION	8.5	5.5	NEW	NON API	Y	0	27592	0	11271	3095	-8142	27592	P-110	20	OTHER - Freedom HTQ	1.48	1.26	DRY	1.83	DRY	1.83

Casing Attachments

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20250106152252.pdf
Talon_semiflush_5.5_production_casing_20250106152252.pdf

Tapered String Spec:

CORRAL_23_35_FED_COM_302H_Csg_20250221010347.pdf

Casing Design Assumptions and Worksheet(s):

CORRAL_23_35_FED_COM_302H_Csg_20250221010404.pdf

Section 4 - Cement

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1034	540	1.87	10.5	1009.8	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1034	300	1.35	14.8	405	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	5791	2040	1.33	14.8	2713.2	100	Class C	NA
INTERMEDIATE	Tail		5791	10489	1360	1.35	14.8	1836	100	Class C	NA
PRODUCTION	Lead		10189	10689	50	2.69	13.2	134.5	30	NeoCem	NA
PRODUCTION	Tail		10689	27592	3330	1.51	14.5	5028.3	30	VersaCem	NA

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

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
1034	10489	OTHER : Saturated Salt	9	9.5							

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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
		for Salt Interval/Direct Emulsion									
0	1034	WATER-BASED MUD	8.5	9							
10489	27592	OIL-BASED MUD	12.8	13.3							

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

Coring operation description for the well:

No Coring is planned for the well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7795 **Anticipated Surface Pressure:** 5315

Anticipated Bottom Hole Temperature(F): 195

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20250106150945.pdf

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

CORRAL_23_35_FED_COM_302H_DD_20240607084255.pdf

Corral_23_35_Fed_Com_302H___Section__Plan_View__Formation_20250224054550.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

CORRAL_23_35_FED_COM_302H_Cmt_20240607084301.pdf

CC_23_35_MBS_13.375_20240607084321.pdf

CC_23_35_23_26_H2S_Diagram_A_B_and_C_20250220121831.pdf

Corral_23_35_23_26_GCP_20250220122207.pdf

Other Variance attachment:

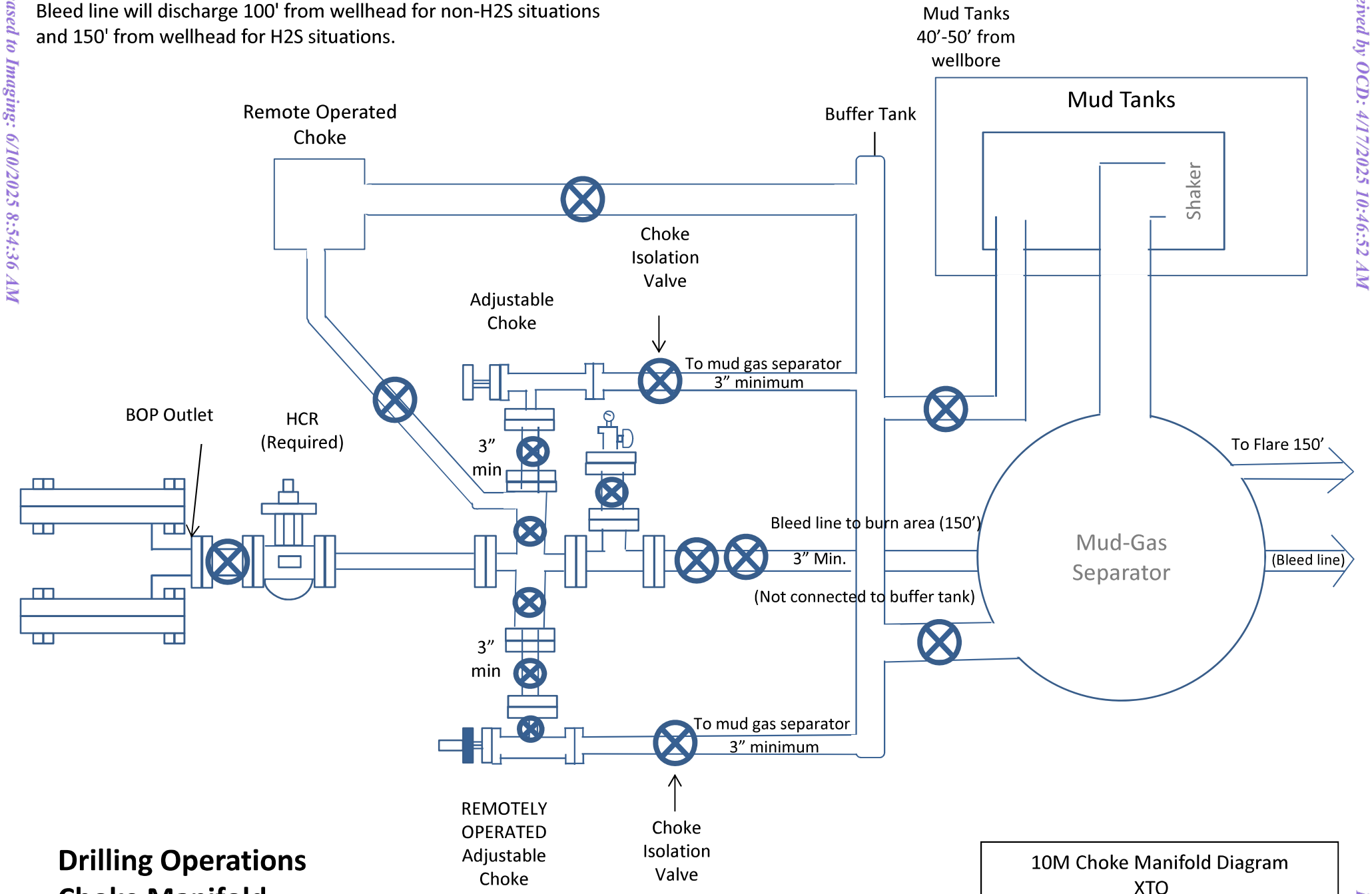
CC_23_35_OLCV_20240605122010.pdf

Wild_Well_Control_Plan_10M_Annular_BOP_Variance_20250106153605.pdf

Spudder_Rig_Request_20250220121753.pdf

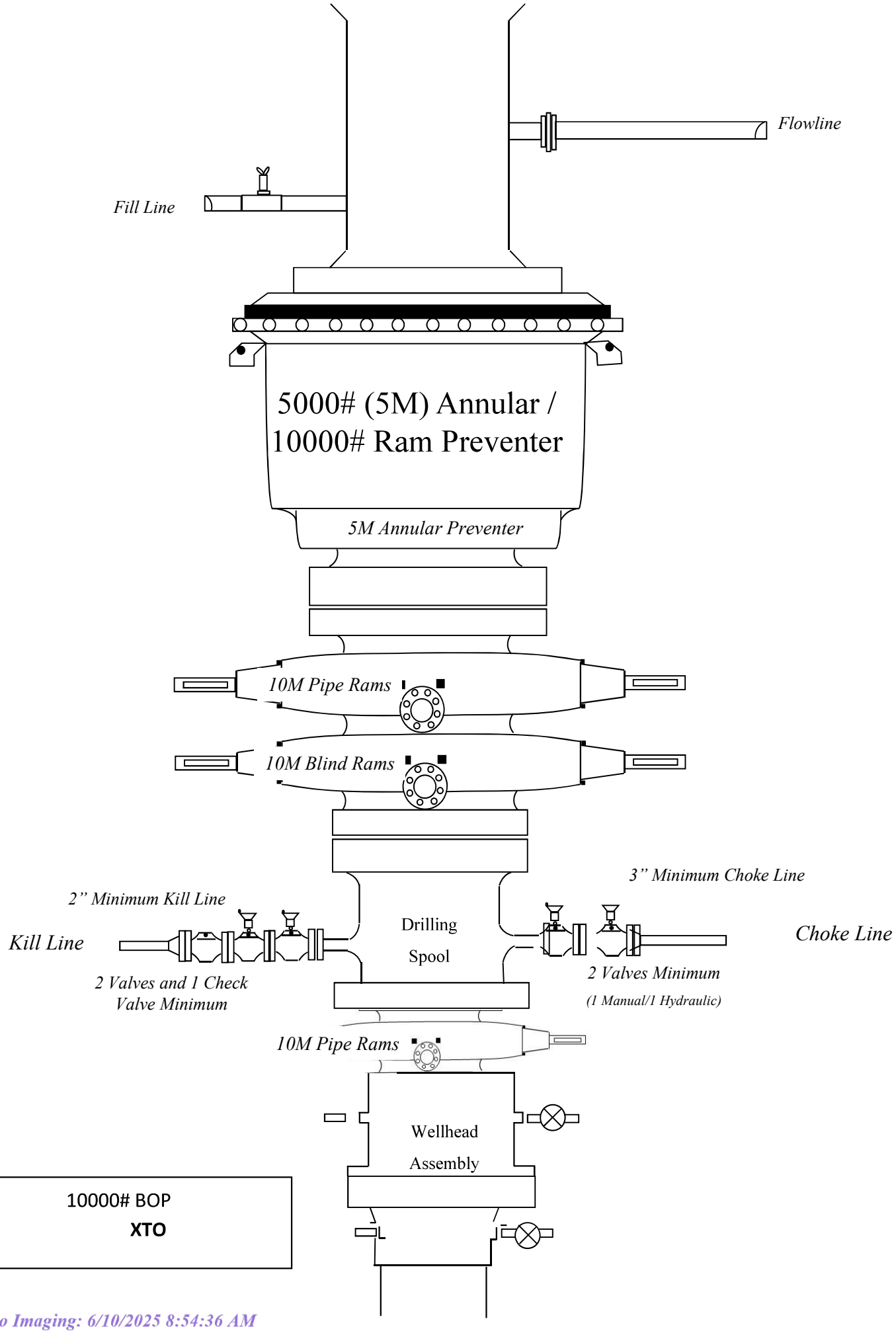
Updated_Flex_Hose_20250220121757.pdf

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



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO



10000# BOP

XTO

U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

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

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

Notes

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

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

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

U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

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

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

Notes

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

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

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

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1034'	13.375	54.5	J-55	BTC	New	1.10	2.47	16.13
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.57	2.31	3.02
12.25	4000' – 10489.2'	9.625	40	HC L-80	BTC	New	1.14	1.67	3.53
8.5	0' – 10389.2'	5.5	20	RY P-110	Semi-Premium/Freedom HTQ	New	1.26	1.61	1.83
8.5	10389.2' - 27592.2'	5.5	20	RY P-110	Semi-Premium/Freedom HTQ	New	1.26	1.48	1.83

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1034'	13.375	54.5	J-55	BTC	New	1.10	2.47	16.13
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.57	2.31	3.02
12.25	4000' – 10489.2'	9.625	40	HC L-80	BTC	New	1.14	1.67	3.53
8.5	0' – 10389.2'	5.5	20	RY P-110	Semi-Premium/Freedom HTQ	New	1.26	1.61	1.83
8.5	10389.2' - 27592.2'	5.5	20	RY P-110	Semi-Premium/Freedom HTQ	New	1.26	1.48	1.83

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

Corral Canyon
Corral 23-35 Fed Com 302H
Corral 23-35 Fed Com 302H

OH

Plan: Plan 1

Standard Planning Report

17 April, 2024

XTO Energy
Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project Corral Canyon

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 Corral 23-35 Fed Com 302H

Site Position:		**Northing:**	406,642.30 usft	**Latitude:**	32° 7' 2.667 N
From:	Map	**Easting:**	617,483.30 usft	**Longitude:**	103° 57' 13.915 W
Position Uncertainty:	3.0 usft	**Slot Radius:**	13-3/16 "		

Well Corral 23-35 Fed Com 302H

Well Position	**+N/-S**	0.0 usft	**Northing:**	406,642.30 usft	**Latitude:**	32° 7' 2.667 N
	+E/-W	0.0 usft	**Easting:**	617,483.30 usft	**Longitude:**	103° 57' 13.915 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,129.0 usft
Grid Convergence:		0.20 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/17/2024	6.38	59.65	47,098.75833879

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	179.67

Plan Survey Tool Program **Date** 4/17/2024

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	27,592.2	Plan 1 (OH)	XOM_R2OWSG MWD+IFR1+	
				OWSG MWD + IFR1 + Multi-St	

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	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,136.1	18.72	4.04	4,119.5	151.2	10.7	2.00	2.00	0.00	4.04	
10,689.2	18.72	4.04	10,325.9	2,249.4	158.7	0.00	0.00	0.00	0.00	
12,047.5	90.00	179.67	11,271.0	1,571.0	187.0	8.00	5.25	12.93	175.39	FTP_ 302H
27,315.7	90.00	179.67	11,271.0	-13,696.9	275.2	0.00	0.00	0.00	0.00	LTP_ 302H
27,592.2	90.00	179.67	11,271.0	-13,973.4	276.8	0.00	0.00	0.00	0.00	BHL_ 302H

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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_ 302H									
1,084.0	0.00	0.00	1,084.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
3,107.0	0.00	0.00	3,107.0	0.0	0.0	0.0	0.00	0.00	0.00
Base of Salt									
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,297.0	1.94	4.04	3,297.0	1.6	0.1	-1.6	2.00	2.00	0.00
Delaware									
3,300.0	2.00	4.04	3,300.0	1.7	0.1	-1.7	2.00	2.00	0.00
3,400.0	4.00	4.04	3,399.8	7.0	0.5	-7.0	2.00	2.00	0.00
3,500.0	6.00	4.04	3,499.5	15.7	1.1	-15.6	2.00	2.00	0.00
3,600.0	8.00	4.04	3,598.7	27.8	2.0	-27.8	2.00	2.00	0.00
3,700.0	10.00	4.04	3,697.5	43.4	3.1	-43.4	2.00	2.00	0.00
3,800.0	12.00	4.04	3,795.6	62.4	4.4	-62.4	2.00	2.00	0.00
3,900.0	14.00	4.04	3,893.1	84.9	6.0	-84.8	2.00	2.00	0.00
4,000.0	16.00	4.04	3,989.6	110.7	7.8	-110.7	2.00	2.00	0.00
4,100.0	18.00	4.04	4,085.3	139.9	9.9	-139.8	2.00	2.00	0.00
4,136.1	18.72	4.04	4,119.5	151.2	10.7	-151.1	2.00	2.00	0.00
4,200.0	18.72	4.04	4,180.0	171.7	12.1	-171.6	0.00	0.00	0.00
4,216.8	18.72	4.04	4,196.0	177.1	12.5	-177.0	0.00	0.00	0.00
Cherry Canyon									
4,300.0	18.72	4.04	4,274.8	203.7	14.4	-203.6	0.00	0.00	0.00
4,400.0	18.72	4.04	4,369.5	235.7	16.6	-235.6	0.00	0.00	0.00
4,500.0	18.72	4.04	4,464.2	267.7	18.9	-267.6	0.00	0.00	0.00
4,600.0	18.72	4.04	4,558.9	299.7	21.1	-299.6	0.00	0.00	0.00
4,700.0	18.72	4.04	4,653.6	331.8	23.4	-331.6	0.00	0.00	0.00
4,800.0	18.72	4.04	4,748.3	363.8	25.7	-363.6	0.00	0.00	0.00
4,900.0	18.72	4.04	4,843.0	395.8	27.9	-395.6	0.00	0.00	0.00
5,000.0	18.72	4.04	4,937.7	427.8	30.2	-427.6	0.00	0.00	0.00
5,100.0	18.72	4.04	5,032.4	459.8	32.4	-459.6	0.00	0.00	0.00
5,200.0	18.72	4.04	5,127.1	491.8	34.7	-491.6	0.00	0.00	0.00
5,300.0	18.72	4.04	5,221.8	523.9	37.0	-523.6	0.00	0.00	0.00
5,400.0	18.72	4.04	5,316.6	555.9	39.2	-555.6	0.00	0.00	0.00
5,500.0	18.72	4.04	5,411.3	587.9	41.5	-587.7	0.00	0.00	0.00
5,600.0	18.72	4.04	5,506.0	619.9	43.7	-619.7	0.00	0.00	0.00
5,700.0	18.72	4.04	5,600.7	651.9	46.0	-651.7	0.00	0.00	0.00
5,800.0	18.72	4.04	5,695.4	684.0	48.3	-683.7	0.00	0.00	0.00
5,900.0	18.72	4.04	5,790.1	716.0	50.5	-715.7	0.00	0.00	0.00
5,901.0	18.72	4.04	5,791.0	716.3	50.5	-716.0	0.00	0.00	0.00
Brushy Canyon									
6,000.0	18.72	4.04	5,884.8	748.0	52.8	-747.7	0.00	0.00	0.00
6,100.0	18.72	4.04	5,979.5	780.0	55.0	-779.7	0.00	0.00	0.00
6,200.0	18.72	4.04	6,074.2	812.0	57.3	-811.7	0.00	0.00	0.00
6,300.0	18.72	4.04	6,168.9	844.0	59.5	-843.7	0.00	0.00	0.00
6,400.0	18.72	4.04	6,263.6	876.1	61.8	-875.7	0.00	0.00	0.00
6,500.0	18.72	4.04	6,358.4	908.1	64.1	-907.7	0.00	0.00	0.00
6,600.0	18.72	4.04	6,453.1	940.1	66.3	-939.7	0.00	0.00	0.00
6,700.0	18.72	4.04	6,547.8	972.1	68.6	-971.7	0.00	0.00	0.00
6,800.0	18.72	4.04	6,642.5	1,004.1	70.8	-1,003.7	0.00	0.00	0.00
6,900.0	18.72	4.04	6,737.2	1,036.2	73.1	-1,035.7	0.00	0.00	0.00
7,000.0	18.72	4.04	6,831.9	1,068.2	75.4	-1,067.7	0.00	0.00	0.00
7,021.2	18.72	4.04	6,852.0	1,075.0	75.8	-1,074.5	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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)
Basal Brushy Canyon									
7,100.0	18.72	4.04	6,926.6	1,100.2	77.6	-1,099.7	0.00	0.00	0.00
7,200.0	18.72	4.04	7,021.3	1,132.2	79.9	-1,131.7	0.00	0.00	0.00
7,241.9	18.72	4.04	7,061.0	1,145.6	80.8	-1,145.1	0.00	0.00	0.00
Bone Spring Lm.									
7,300.0	18.72	4.04	7,116.0	1,164.2	82.1	-1,163.7	0.00	0.00	0.00
7,400.0	18.72	4.04	7,210.7	1,196.2	84.4	-1,195.7	0.00	0.00	0.00
7,426.7	18.72	4.04	7,236.0	1,204.8	85.0	-1,204.3	0.00	0.00	0.00
Avalon Shale									
7,500.0	18.72	4.04	7,305.4	1,228.3	86.7	-1,227.7	0.00	0.00	0.00
7,600.0	18.72	4.04	7,400.1	1,260.3	88.9	-1,259.7	0.00	0.00	0.00
7,700.0	18.72	4.04	7,494.9	1,292.3	91.2	-1,291.7	0.00	0.00	0.00
7,800.0	18.72	4.04	7,589.6	1,324.3	93.4	-1,323.8	0.00	0.00	0.00
7,886.0	18.72	4.04	7,671.0	1,351.8	95.4	-1,351.3	0.00	0.00	0.00
Avalon Lower									
7,900.0	18.72	4.04	7,684.3	1,356.3	95.7	-1,355.8	0.00	0.00	0.00
8,000.0	18.72	4.04	7,779.0	1,388.3	97.9	-1,387.8	0.00	0.00	0.00
8,046.5	18.72	4.04	7,823.0	1,403.2	99.0	-1,402.6	0.00	0.00	0.00
1st Bone Spring Lime									
8,100.0	18.72	4.04	7,873.7	1,420.4	100.2	-1,419.8	0.00	0.00	0.00
8,200.0	18.72	4.04	7,968.4	1,452.4	102.5	-1,451.8	0.00	0.00	0.00
8,240.8	18.72	4.04	8,007.0	1,465.4	103.4	-1,464.8	0.00	0.00	0.00
1st Bone Spring Sand									
8,300.0	18.72	4.04	8,063.1	1,484.4	104.7	-1,483.8	0.00	0.00	0.00
8,400.0	18.72	4.04	8,157.8	1,516.4	107.0	-1,515.8	0.00	0.00	0.00
8,500.0	18.72	4.04	8,252.5	1,548.4	109.2	-1,547.8	0.00	0.00	0.00
8,600.0	18.72	4.04	8,347.2	1,580.5	111.5	-1,579.8	0.00	0.00	0.00
8,670.5	18.72	4.04	8,414.0	1,603.0	113.1	-1,602.3	0.00	0.00	0.00
2nd Bone Spring Lime									
8,700.0	18.72	4.04	8,441.9	1,612.5	113.8	-1,611.8	0.00	0.00	0.00
8,800.0	18.72	4.04	8,536.7	1,644.5	116.0	-1,643.8	0.00	0.00	0.00
8,900.0	18.72	4.04	8,631.4	1,676.5	118.3	-1,675.8	0.00	0.00	0.00
9,000.0	18.72	4.04	8,726.1	1,708.5	120.5	-1,707.8	0.00	0.00	0.00
9,100.0	18.72	4.04	8,820.8	1,740.5	122.8	-1,739.8	0.00	0.00	0.00
9,121.3	18.72	4.04	8,841.0	1,747.4	123.3	-1,746.6	0.00	0.00	0.00
2nd Bone Spring Sand									
9,200.0	18.72	4.04	8,915.5	1,772.6	125.1	-1,771.8	0.00	0.00	0.00
9,300.0	18.72	4.04	9,010.2	1,804.6	127.3	-1,803.8	0.00	0.00	0.00
9,400.0	18.72	4.04	9,104.9	1,836.6	129.6	-1,835.8	0.00	0.00	0.00
9,500.0	18.72	4.04	9,199.6	1,868.6	131.8	-1,867.8	0.00	0.00	0.00
9,528.9	18.72	4.04	9,227.0	1,877.9	132.5	-1,877.1	0.00	0.00	0.00
3rd Bone Spring Lime									
9,600.0	18.72	4.04	9,294.3	1,900.6	134.1	-1,899.8	0.00	0.00	0.00
9,700.0	18.72	4.04	9,389.0	1,932.7	136.3	-1,931.8	0.00	0.00	0.00
9,772.8	18.72	4.04	9,458.0	1,956.0	138.0	-1,955.1	0.00	0.00	0.00
Harkey									
9,800.0	18.72	4.04	9,483.7	1,964.7	138.6	-1,963.8	0.00	0.00	0.00
9,817.2	18.72	4.04	9,500.0	1,970.2	139.0	-1,969.3	0.00	0.00	0.00
3rd Bone Spring Upper Shale									
9,900.0	18.72	4.04	9,578.4	1,996.7	140.9	-1,995.8	0.00	0.00	0.00
10,000.0	18.72	4.04	9,673.2	2,028.7	143.1	-2,027.8	0.00	0.00	0.00
10,040.0	18.72	4.04	9,711.0	2,041.5	144.0	-2,040.6	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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)
3rd Bone Spring Upper Shale Base									
10,091.7	18.72	4.04	9,760.0	2,058.1	145.2	-2,057.2	0.00	0.00	0.00
3rd Bone Spring Lower Shale									
10,100.0	18.72	4.04	9,767.9	2,060.7	145.4	-2,059.9	0.00	0.00	0.00
10,195.2	18.72	4.04	9,858.0	2,091.2	147.5	-2,090.3	0.00	0.00	0.00
3rd Bone Spring Lower Shale Marker									
10,200.0	18.72	4.04	9,862.6	2,092.7	147.6	-2,091.9	0.00	0.00	0.00
10,253.2	18.72	4.04	9,913.0	2,109.8	148.8	-2,108.9	0.00	0.00	0.00
3rd Bone Spring Sand									
10,300.0	18.72	4.04	9,957.3	2,124.8	149.9	-2,123.9	0.00	0.00	0.00
10,400.0	18.72	4.04	10,052.0	2,156.8	152.2	-2,155.9	0.00	0.00	0.00
10,456.0	18.72	4.04	10,105.0	2,174.7	153.4	-2,173.8	0.00	0.00	0.00
Warwink									
10,500.0	18.72	4.04	10,146.7	2,188.8	154.4	-2,187.9	0.00	0.00	0.00
10,563.7	18.72	4.04	10,207.0	2,209.2	155.9	-2,208.2	0.00	0.00	0.00
Red Hills									
10,600.0	18.72	4.04	10,241.4	2,220.8	156.7	-2,219.9	0.00	0.00	0.00
10,628.1	18.72	4.04	10,268.0	2,229.8	157.3	-2,228.9	0.00	0.00	0.00
Wolfcamp									
10,653.4	18.72	4.04	10,292.0	2,237.9	157.9	-2,237.0	0.00	0.00	0.00
Wolfcamp X									
10,689.2	18.72	4.04	10,325.9	2,249.4	158.7	-2,248.4	0.00	0.00	0.00
10,700.0	17.86	4.26	10,336.1	2,252.8	158.9	-2,251.8	8.00	-7.97	2.10
10,723.9	15.96	4.85	10,359.0	2,259.7	159.5	-2,258.7	8.00	-7.97	2.45
Wolfcamp Y									
10,770.3	12.27	6.48	10,404.0	2,270.9	160.6	-2,270.0	8.00	-7.95	3.53
Wolfcamp A									
10,800.0	9.91	8.16	10,433.1	2,276.6	161.3	-2,275.6	8.00	-7.93	5.64
10,900.0	2.33	39.01	10,532.5	2,286.7	163.8	-2,285.7	8.00	-7.58	30.85
11,000.0	6.37	166.31	10,632.3	2,282.9	166.4	-2,281.9	8.00	4.04	127.30
11,100.0	14.27	173.85	10,730.6	2,265.2	169.0	-2,264.2	8.00	7.90	7.54
11,107.6	14.88	174.10	10,738.0	2,263.3	169.2	-2,262.3	8.00	7.96	3.26
Wolfcamp B									
11,200.0	22.24	176.05	10,825.5	2,234.0	171.7	-2,233.0	8.00	7.97	2.12
11,300.0	30.23	177.13	10,915.2	2,189.9	174.2	-2,188.9	8.00	7.99	1.08
11,360.4	35.06	177.56	10,966.0	2,157.4	175.7	-2,156.4	8.00	7.99	0.71
Wolfcamp C									
11,400.0	38.22	177.79	10,997.8	2,133.8	176.7	-2,132.7	8.00	7.99	0.58
11,500.0	46.22	178.25	11,071.8	2,066.7	179.0	-2,065.6	8.00	7.99	0.46
11,600.0	54.21	178.60	11,135.7	1,989.9	181.1	-1,988.9	8.00	8.00	0.35
11,664.4	59.36	178.79	11,171.0	1,936.1	182.3	-1,935.0	8.00	8.00	0.30
Wolfcamp D									
11,700.0	62.21	178.89	11,188.3	1,905.0	182.9	-1,903.9	8.00	8.00	0.27
11,800.0	70.20	179.14	11,228.7	1,813.6	184.5	-1,812.5	8.00	8.00	0.25
11,900.0	78.20	179.36	11,255.9	1,717.5	185.8	-1,716.4	8.00	8.00	0.22
12,000.0	86.20	179.57	11,269.4	1,618.5	186.7	-1,617.4	8.00	8.00	0.21
12,047.5	90.00	179.67	11,271.0	1,571.0	187.0	-1,569.9	8.00	8.00	0.21
Landing - FTP_ 302H									
12,100.0	90.00	179.67	11,271.0	1,518.5	187.3	-1,517.4	0.00	0.00	0.00
12,200.0	90.00	179.67	11,271.0	1,418.5	187.9	-1,417.4	0.00	0.00	0.00
12,300.0	90.00	179.67	11,271.0	1,318.5	188.5	-1,317.4	0.00	0.00	0.00
12,400.0	90.00	179.67	11,271.0	1,218.5	189.0	-1,217.4	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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)
12,500.0	90.00	179.67	11,271.0	1,118.5	189.6	-1,117.4	0.00	0.00	0.00
12,600.0	90.00	179.67	11,271.0	1,018.5	190.2	-1,017.4	0.00	0.00	0.00
12,700.0	90.00	179.67	11,271.0	918.5	190.8	-917.4	0.00	0.00	0.00
12,800.0	90.00	179.67	11,271.0	818.5	191.3	-817.4	0.00	0.00	0.00
12,900.0	90.00	179.67	11,271.0	718.5	191.9	-717.4	0.00	0.00	0.00
13,000.0	90.00	179.67	11,271.0	618.5	192.5	-617.4	0.00	0.00	0.00
13,100.0	90.00	179.67	11,271.0	518.5	193.1	-517.4	0.00	0.00	0.00
13,200.0	90.00	179.67	11,271.0	418.6	193.7	-417.4	0.00	0.00	0.00
13,300.0	90.00	179.67	11,271.0	318.6	194.2	-317.4	0.00	0.00	0.00
13,400.0	90.00	179.67	11,271.0	218.6	194.8	-217.4	0.00	0.00	0.00
13,500.0	90.00	179.67	11,271.0	118.6	195.4	-117.4	0.00	0.00	0.00
13,600.0	90.00	179.67	11,271.0	18.6	196.0	-17.4	0.00	0.00	0.00
13,700.0	90.00	179.67	11,271.0	-81.4	196.5	82.6	0.00	0.00	0.00
13,800.0	90.00	179.67	11,271.0	-181.4	197.1	182.6	0.00	0.00	0.00
13,900.0	90.00	179.67	11,271.0	-281.4	197.7	282.6	0.00	0.00	0.00
14,000.0	90.00	179.67	11,271.0	-381.4	198.3	382.6	0.00	0.00	0.00
14,100.0	90.00	179.67	11,271.0	-481.4	198.9	482.6	0.00	0.00	0.00
14,200.0	90.00	179.67	11,271.0	-581.4	199.4	582.6	0.00	0.00	0.00
14,300.0	90.00	179.67	11,271.0	-681.4	200.0	682.6	0.00	0.00	0.00
14,400.0	90.00	179.67	11,271.0	-781.4	200.6	782.6	0.00	0.00	0.00
14,500.0	90.00	179.67	11,271.0	-881.4	201.2	882.6	0.00	0.00	0.00
14,600.0	90.00	179.67	11,271.0	-981.4	201.7	982.6	0.00	0.00	0.00
14,700.0	90.00	179.67	11,271.0	-1,081.4	202.3	1,082.6	0.00	0.00	0.00
14,800.0	90.00	179.67	11,271.0	-1,181.4	202.9	1,182.6	0.00	0.00	0.00
14,900.0	90.00	179.67	11,271.0	-1,281.4	203.5	1,282.6	0.00	0.00	0.00
15,000.0	90.00	179.67	11,271.0	-1,381.4	204.1	1,382.6	0.00	0.00	0.00
15,100.0	90.00	179.67	11,271.0	-1,481.4	204.6	1,482.6	0.00	0.00	0.00
15,200.0	90.00	179.67	11,271.0	-1,581.4	205.2	1,582.6	0.00	0.00	0.00
15,300.0	90.00	179.67	11,271.0	-1,681.4	205.8	1,682.6	0.00	0.00	0.00
15,400.0	90.00	179.67	11,271.0	-1,781.4	206.4	1,782.6	0.00	0.00	0.00
15,500.0	90.00	179.67	11,271.0	-1,881.4	206.9	1,882.6	0.00	0.00	0.00
15,600.0	90.00	179.67	11,271.0	-1,981.4	207.5	1,982.6	0.00	0.00	0.00
15,700.0	90.00	179.67	11,271.0	-2,081.4	208.1	2,082.6	0.00	0.00	0.00
15,800.0	90.00	179.67	11,271.0	-2,181.4	208.7	2,182.6	0.00	0.00	0.00
15,900.0	90.00	179.67	11,271.0	-2,281.4	209.3	2,282.6	0.00	0.00	0.00
16,000.0	90.00	179.67	11,271.0	-2,381.4	209.8	2,382.6	0.00	0.00	0.00
16,100.0	90.00	179.67	11,271.0	-2,481.4	210.4	2,482.6	0.00	0.00	0.00
16,200.0	90.00	179.67	11,271.0	-2,581.4	211.0	2,582.6	0.00	0.00	0.00
16,300.0	90.00	179.67	11,271.0	-2,681.4	211.6	2,682.6	0.00	0.00	0.00
16,400.0	90.00	179.67	11,271.0	-2,781.4	212.1	2,782.6	0.00	0.00	0.00
16,500.0	90.00	179.67	11,271.0	-2,881.4	212.7	2,882.6	0.00	0.00	0.00
16,600.0	90.00	179.67	11,271.0	-2,981.4	213.3	2,982.6	0.00	0.00	0.00
16,700.0	90.00	179.67	11,271.0	-3,081.4	213.9	3,082.6	0.00	0.00	0.00
16,800.0	90.00	179.67	11,271.0	-3,181.4	214.5	3,182.6	0.00	0.00	0.00
16,900.0	90.00	179.67	11,271.0	-3,281.4	215.0	3,282.6	0.00	0.00	0.00
17,000.0	90.00	179.67	11,271.0	-3,381.4	215.6	3,382.6	0.00	0.00	0.00
17,100.0	90.00	179.67	11,271.0	-3,481.4	216.2	3,482.6	0.00	0.00	0.00
17,200.0	90.00	179.67	11,271.0	-3,581.4	216.8	3,582.6	0.00	0.00	0.00
17,300.0	90.00	179.67	11,271.0	-3,681.4	217.3	3,682.6	0.00	0.00	0.00
17,400.0	90.00	179.67	11,271.0	-3,781.4	217.9	3,782.6	0.00	0.00	0.00
17,500.0	90.00	179.67	11,271.0	-3,881.4	218.5	3,882.6	0.00	0.00	0.00
17,600.0	90.00	179.67	11,271.0	-3,981.4	219.1	3,982.6	0.00	0.00	0.00
17,700.0	90.00	179.67	11,271.0	-4,081.4	219.7	4,082.6	0.00	0.00	0.00
17,800.0	90.00	179.67	11,271.0	-4,181.4	220.2	4,182.6	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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)
17,900.0	90.00	179.67	11,271.0	-4,281.4	220.8	4,282.6	0.00	0.00	0.00
18,000.0	90.00	179.67	11,271.0	-4,381.4	221.4	4,382.6	0.00	0.00	0.00
18,100.0	90.00	179.67	11,271.0	-4,481.4	222.0	4,482.6	0.00	0.00	0.00
18,200.0	90.00	179.67	11,271.0	-4,581.4	222.5	4,582.6	0.00	0.00	0.00
18,300.0	90.00	179.67	11,271.0	-4,681.4	223.1	4,682.6	0.00	0.00	0.00
18,400.0	90.00	179.67	11,271.0	-4,781.4	223.7	4,782.6	0.00	0.00	0.00
18,500.0	90.00	179.67	11,271.0	-4,881.4	224.3	4,882.6	0.00	0.00	0.00
18,600.0	90.00	179.67	11,271.0	-4,981.4	224.9	4,982.6	0.00	0.00	0.00
18,700.0	90.00	179.67	11,271.0	-5,081.4	225.4	5,082.6	0.00	0.00	0.00
18,800.0	90.00	179.67	11,271.0	-5,181.4	226.0	5,182.6	0.00	0.00	0.00
18,900.0	90.00	179.67	11,271.0	-5,281.4	226.6	5,282.6	0.00	0.00	0.00
19,000.0	90.00	179.67	11,271.0	-5,381.4	227.2	5,382.6	0.00	0.00	0.00
19,100.0	90.00	179.67	11,271.0	-5,481.4	227.7	5,482.6	0.00	0.00	0.00
19,200.0	90.00	179.67	11,271.0	-5,581.3	228.3	5,582.6	0.00	0.00	0.00
19,300.0	90.00	179.67	11,271.0	-5,681.3	228.9	5,682.6	0.00	0.00	0.00
19,400.0	90.00	179.67	11,271.0	-5,781.3	229.5	5,782.6	0.00	0.00	0.00
19,500.0	90.00	179.67	11,271.0	-5,881.3	230.1	5,882.6	0.00	0.00	0.00
19,600.0	90.00	179.67	11,271.0	-5,981.3	230.6	5,982.6	0.00	0.00	0.00
19,700.0	90.00	179.67	11,271.0	-6,081.3	231.2	6,082.6	0.00	0.00	0.00
19,800.0	90.00	179.67	11,271.0	-6,181.3	231.8	6,182.6	0.00	0.00	0.00
19,900.0	90.00	179.67	11,271.0	-6,281.3	232.4	6,282.6	0.00	0.00	0.00
20,000.0	90.00	179.67	11,271.0	-6,381.3	232.9	6,382.6	0.00	0.00	0.00
20,100.0	90.00	179.67	11,271.0	-6,481.3	233.5	6,482.6	0.00	0.00	0.00
20,200.0	90.00	179.67	11,271.0	-6,581.3	234.1	6,582.6	0.00	0.00	0.00
20,300.0	90.00	179.67	11,271.0	-6,681.3	234.7	6,682.6	0.00	0.00	0.00
20,400.0	90.00	179.67	11,271.0	-6,781.3	235.2	6,782.6	0.00	0.00	0.00
20,500.0	90.00	179.67	11,271.0	-6,881.3	235.8	6,882.6	0.00	0.00	0.00
20,600.0	90.00	179.67	11,271.0	-6,981.3	236.4	6,982.6	0.00	0.00	0.00
20,700.0	90.00	179.67	11,271.0	-7,081.3	237.0	7,082.6	0.00	0.00	0.00
20,800.0	90.00	179.67	11,271.0	-7,181.3	237.6	7,182.6	0.00	0.00	0.00
20,900.0	90.00	179.67	11,271.0	-7,281.3	238.1	7,282.6	0.00	0.00	0.00
21,000.0	90.00	179.67	11,271.0	-7,381.3	238.7	7,382.6	0.00	0.00	0.00
21,100.0	90.00	179.67	11,271.0	-7,481.3	239.3	7,482.6	0.00	0.00	0.00
21,200.0	90.00	179.67	11,271.0	-7,581.3	239.9	7,582.6	0.00	0.00	0.00
21,300.0	90.00	179.67	11,271.0	-7,681.3	240.4	7,682.6	0.00	0.00	0.00
21,400.0	90.00	179.67	11,271.0	-7,781.3	241.0	7,782.6	0.00	0.00	0.00
21,500.0	90.00	179.67	11,271.0	-7,881.3	241.6	7,882.6	0.00	0.00	0.00
21,600.0	90.00	179.67	11,271.0	-7,981.3	242.2	7,982.6	0.00	0.00	0.00
21,700.0	90.00	179.67	11,271.0	-8,081.3	242.8	8,082.6	0.00	0.00	0.00
21,800.0	90.00	179.67	11,271.0	-8,181.3	243.3	8,182.6	0.00	0.00	0.00
21,900.0	90.00	179.67	11,271.0	-8,281.3	243.9	8,282.6	0.00	0.00	0.00
22,000.0	90.00	179.67	11,271.0	-8,381.3	244.5	8,382.6	0.00	0.00	0.00
22,100.0	90.00	179.67	11,271.0	-8,481.3	245.1	8,482.6	0.00	0.00	0.00
22,200.0	90.00	179.67	11,271.0	-8,581.3	245.6	8,582.6	0.00	0.00	0.00
22,300.0	90.00	179.67	11,271.0	-8,681.3	246.2	8,682.6	0.00	0.00	0.00
22,400.0	90.00	179.67	11,271.0	-8,781.3	246.8	8,782.6	0.00	0.00	0.00
22,500.0	90.00	179.67	11,271.0	-8,881.3	247.4	8,882.6	0.00	0.00	0.00
22,600.0	90.00	179.67	11,271.0	-8,981.3	248.0	8,982.6	0.00	0.00	0.00
22,700.0	90.00	179.67	11,271.0	-9,081.3	248.5	9,082.6	0.00	0.00	0.00
22,800.0	90.00	179.67	11,271.0	-9,181.3	249.1	9,182.6	0.00	0.00	0.00
22,900.0	90.00	179.67	11,271.0	-9,281.3	249.7	9,282.6	0.00	0.00	0.00
23,000.0	90.00	179.67	11,271.0	-9,381.3	250.3	9,382.6	0.00	0.00	0.00
23,100.0	90.00	179.67	11,271.0	-9,481.3	250.8	9,482.6	0.00	0.00	0.00
23,200.0	90.00	179.67	11,271.0	-9,581.3	251.4	9,582.6	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**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)
23,300.0	90.00	179.67	11,271.0	-9,681.3	252.0	9,682.6	0.00	0.00	0.00
23,400.0	90.00	179.67	11,271.0	-9,781.3	252.6	9,782.6	0.00	0.00	0.00
23,500.0	90.00	179.67	11,271.0	-9,881.3	253.2	9,882.6	0.00	0.00	0.00
23,600.0	90.00	179.67	11,271.0	-9,981.3	253.7	9,982.6	0.00	0.00	0.00
23,700.0	90.00	179.67	11,271.0	-10,081.3	254.3	10,082.6	0.00	0.00	0.00
23,800.0	90.00	179.67	11,271.0	-10,181.3	254.9	10,182.6	0.00	0.00	0.00
23,900.0	90.00	179.67	11,271.0	-10,281.3	255.5	10,282.6	0.00	0.00	0.00
24,000.0	90.00	179.67	11,271.0	-10,381.3	256.0	10,382.6	0.00	0.00	0.00
24,100.0	90.00	179.67	11,271.0	-10,481.3	256.6	10,482.6	0.00	0.00	0.00
24,200.0	90.00	179.67	11,271.0	-10,581.3	257.2	10,582.6	0.00	0.00	0.00
24,300.0	90.00	179.67	11,271.0	-10,681.3	257.8	10,682.6	0.00	0.00	0.00
24,400.0	90.00	179.67	11,271.0	-10,781.3	258.4	10,782.6	0.00	0.00	0.00
24,500.0	90.00	179.67	11,271.0	-10,881.3	258.9	10,882.6	0.00	0.00	0.00
24,600.0	90.00	179.67	11,271.0	-10,981.3	259.5	10,982.6	0.00	0.00	0.00
24,700.0	90.00	179.67	11,271.0	-11,081.3	260.1	11,082.6	0.00	0.00	0.00
24,800.0	90.00	179.67	11,271.0	-11,181.3	260.7	11,182.6	0.00	0.00	0.00
24,900.0	90.00	179.67	11,271.0	-11,281.3	261.2	11,282.6	0.00	0.00	0.00
25,000.0	90.00	179.67	11,271.0	-11,381.3	261.8	11,382.6	0.00	0.00	0.00
25,100.0	90.00	179.67	11,271.0	-11,481.3	262.4	11,482.6	0.00	0.00	0.00
25,200.0	90.00	179.67	11,271.0	-11,581.2	263.0	11,582.6	0.00	0.00	0.00
25,300.0	90.00	179.67	11,271.0	-11,681.2	263.6	11,682.6	0.00	0.00	0.00
25,400.0	90.00	179.67	11,271.0	-11,781.2	264.1	11,782.6	0.00	0.00	0.00
25,500.0	90.00	179.67	11,271.0	-11,881.2	264.7	11,882.6	0.00	0.00	0.00
25,600.0	90.00	179.67	11,271.0	-11,981.2	265.3	11,982.6	0.00	0.00	0.00
25,700.0	90.00	179.67	11,271.0	-12,081.2	265.9	12,082.6	0.00	0.00	0.00
25,800.0	90.00	179.67	11,271.0	-12,181.2	266.4	12,182.6	0.00	0.00	0.00
25,900.0	90.00	179.67	11,271.0	-12,281.2	267.0	12,282.6	0.00	0.00	0.00
26,000.0	90.00	179.67	11,271.0	-12,381.2	267.6	12,382.6	0.00	0.00	0.00
26,100.0	90.00	179.67	11,271.0	-12,481.2	268.2	12,482.6	0.00	0.00	0.00
26,200.0	90.00	179.67	11,271.0	-12,581.2	268.8	12,582.6	0.00	0.00	0.00
26,300.0	90.00	179.67	11,271.0	-12,681.2	269.3	12,682.6	0.00	0.00	0.00
26,400.0	90.00	179.67	11,271.0	-12,781.2	269.9	12,782.6	0.00	0.00	0.00
26,500.0	90.00	179.67	11,271.0	-12,881.2	270.5	12,882.6	0.00	0.00	0.00
26,600.0	90.00	179.67	11,271.0	-12,981.2	271.1	12,982.6	0.00	0.00	0.00
26,700.0	90.00	179.67	11,271.0	-13,081.2	271.6	13,082.6	0.00	0.00	0.00
26,800.0	90.00	179.67	11,271.0	-13,181.2	272.2	13,182.6	0.00	0.00	0.00
26,900.0	90.00	179.67	11,271.0	-13,281.2	272.8	13,282.6	0.00	0.00	0.00
27,000.0	90.00	179.67	11,271.0	-13,381.2	273.4	13,382.6	0.00	0.00	0.00
27,100.0	90.00	179.67	11,271.0	-13,481.2	274.0	13,482.6	0.00	0.00	0.00
27,200.0	90.00	179.67	11,271.0	-13,581.2	274.5	13,582.6	0.00	0.00	0.00
27,300.0	90.00	179.67	11,271.0	-13,681.2	275.1	13,682.6	0.00	0.00	0.00
27,315.7	90.00	179.67	11,271.0	-13,696.9	275.2	13,698.3	0.00	0.00	0.00
LTP_ 302H									
27,400.0	90.00	179.67	11,271.0	-13,781.2	275.7	13,782.6	0.00	0.00	0.00
27,500.0	90.00	179.67	11,271.0	-13,881.2	276.3	13,882.6	0.00	0.00	0.00
27,592.2	90.00	179.67	11,271.0	-13,973.4	276.8	13,974.8	0.00	0.00	0.00
BHL_ 302H									

XTO Energy
Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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_ 302H - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	406,642.30	617,483.30	32° 7' 2.667 N	103° 57' 13.915 W
LTP_ 302H - plan hits target center - Point	0.00	0.00	11,271.0	-13,696.9	275.2	392,945.40	617,758.50	32° 4' 47.108 N	103° 57' 11.277 W
BHL_ 302H - plan misses target center by 3.5usft at 27592.2usft MD (11271.0 TVD, -13973.4 N, 276.8 E) - Point	0.00	0.00	11,271.0	-13,976.9	276.6	392,665.40	617,759.90	32° 4' 44.337 N	103° 57' 11.272 W
FTP_ 302H - plan hits target center - Point	0.00	0.00	11,271.0	1,571.0	187.0	408,213.30	617,670.30	32° 7' 18.207 N	103° 57' 11.676 W

Formations

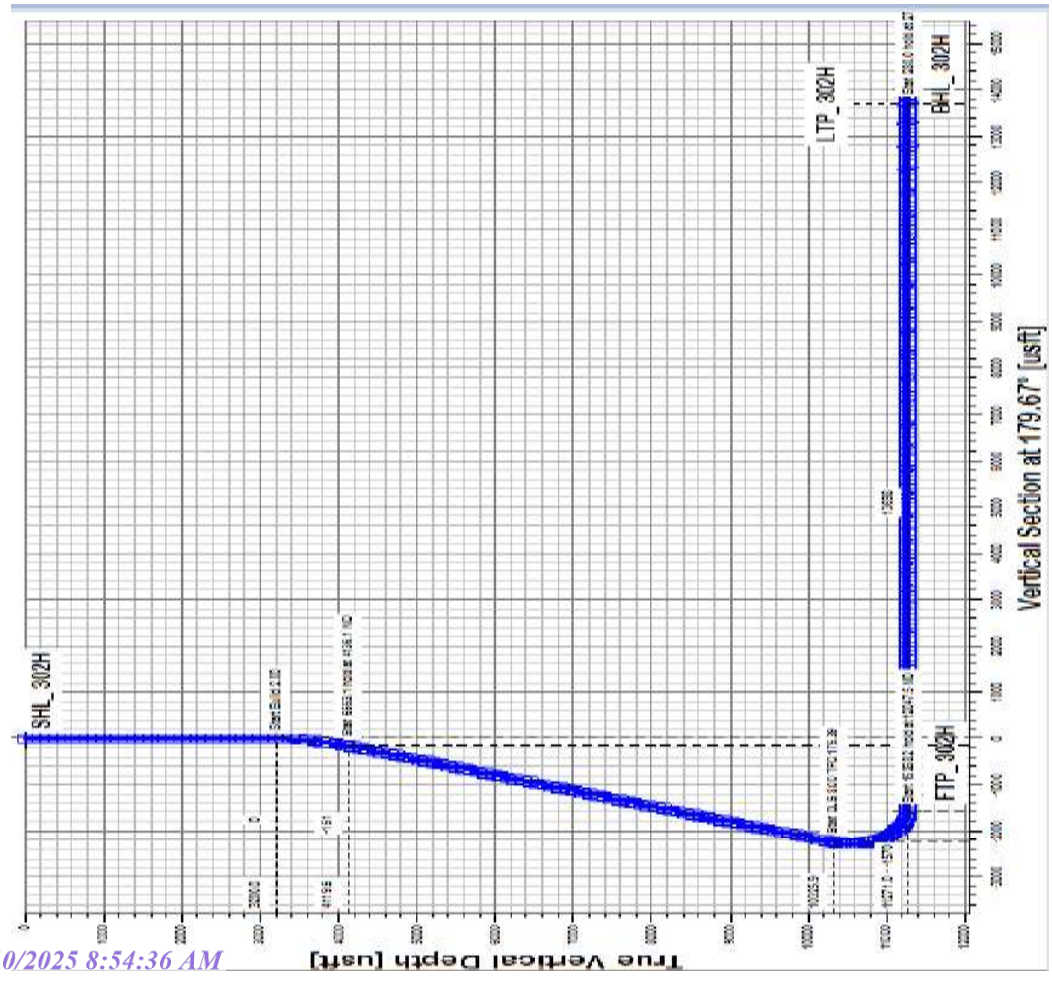
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,084.0	1,084.0	Salado			
3,107.0	3,107.0	Base of Salt			
3,297.0	3,297.0	Delaware			
4,216.8	4,196.0	Cherry Canyon			
5,901.0	5,791.0	Brushy Canyon			
7,021.2	6,852.0	Basal Brushy Canyon			
7,241.9	7,061.0	Bone Spring Lm.			
7,426.7	7,236.0	Avalon Shale			
7,886.0	7,671.0	Avalon Lower			
8,046.5	7,823.0	1st Bone Spring Lime			
8,240.8	8,007.0	1st Bone Spring Sand			
8,670.5	8,414.0	2nd Bone Spring Lime			
9,121.3	8,841.0	2nd Bone Spring Sand			
9,528.9	9,227.0	3rd Bone Spring Lime			
9,772.8	9,458.0	Harkey			
9,817.2	9,500.0	3rd Bone Spring Upper Shale			
10,040.0	9,711.0	3rd Bone Spring Upper Shale Base			
10,091.7	9,760.0	3rd Bone Spring Lower Shale			
10,195.2	9,858.0	3rd Bone Spring Lower Shale Marker			
10,253.2	9,913.0	3rd Bone Spring Sand			
10,456.0	10,105.0	Warwink			
10,563.7	10,207.0	Red Hills			
10,628.1	10,268.0	Wolfcamp			
10,653.4	10,292.0	Wolfcamp X			
10,723.9	10,359.0	Wolfcamp Y			
10,770.3	10,404.0	Wolfcamp A			
11,107.6	10,738.0	Wolfcamp B			
11,360.4	10,966.0	Wolfcamp C			
11,664.4	11,171.0	Wolfcamp D			
12,047.5	11,271.0	Landing			

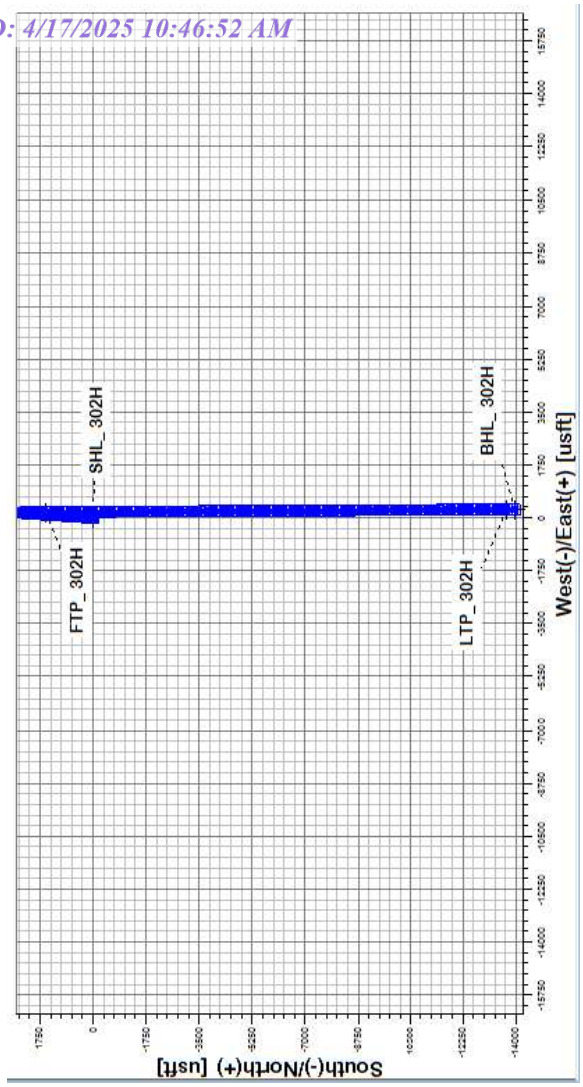
XTO Energy

Planning Report

Database:	LMRKPROD3	**Local Co-ordinate Reference:**	Well Corral 23-35 Fed Com 302H
Company:	Long Lead_Well Planning	**TVD Reference:**	RKB (+32) @ 3161.0usft
Project:	Corral Canyon	**MD Reference:**	RKB (+32) @ 3161.0usft
Site:	Corral 23-35 Fed Com 302H	**North Reference:**	Grid
Well:	Corral 23-35 Fed Com 302H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Well Name: Corral 23-35 Fed Com 302H





Formation	TVDSS (feet)	TVD (feet)
Salado	2,077'	1,084'
Base of Salt	54'	3,107'
Delaware	-136'	3,297'
Cherry Canyon	-1,035'	4,196'
Brushy Canyon	-2,630'	5,791'
Basal Brushy Canyon	-3,691'	6,852'
Bone Spring Lm.	-3,900'	7,061'
Avalon Shale	-4,075'	7,236'
Avalon Lower	-4,510'	7,671'
1st Bone Spring Lime	-4,662'	7,823'
1st Bone Spring Sand	-4,846'	8,007'
2nd Bone Spring Lime	-5,253'	8,414'
2nd Bone Spring Sand	-5,680'	8,841'
3rd Bone Spring Lime	-6,066'	9,227'
Harkey	-6,297'	9,458'
3rd Bone Spring Upper Shale	-6,339'	9,500'
3rd Bone Spring Upper Shale Base	-6,550'	9,711'
3rd Bone Spring Lower Shale	-6,599'	9,760'
3rd Bone Spring Lower Shale Marker	-6,697'	9,858'
3rd Bone Spring Sand	-6,752'	9,913'
Warwink	-6,944'	10,105'
Red Hills	-7,046'	10,207'
Wolfcamp	-7,107'	10,268'
Wolfcamp X	-7,131'	10,292'
Wolfcamp Y	-7,198'	10,359'
Wolfcamp A	-7,243'	10,404'
Wolfcamp B	-7,577'	10,738'
Wolfcamp C	-7,805'	10,966'
Wolfcamp D	-8,010'	11,171'
Landing	-8,110'	11,271'

Cement Variance Request

Intermediate Casing:

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (5791') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

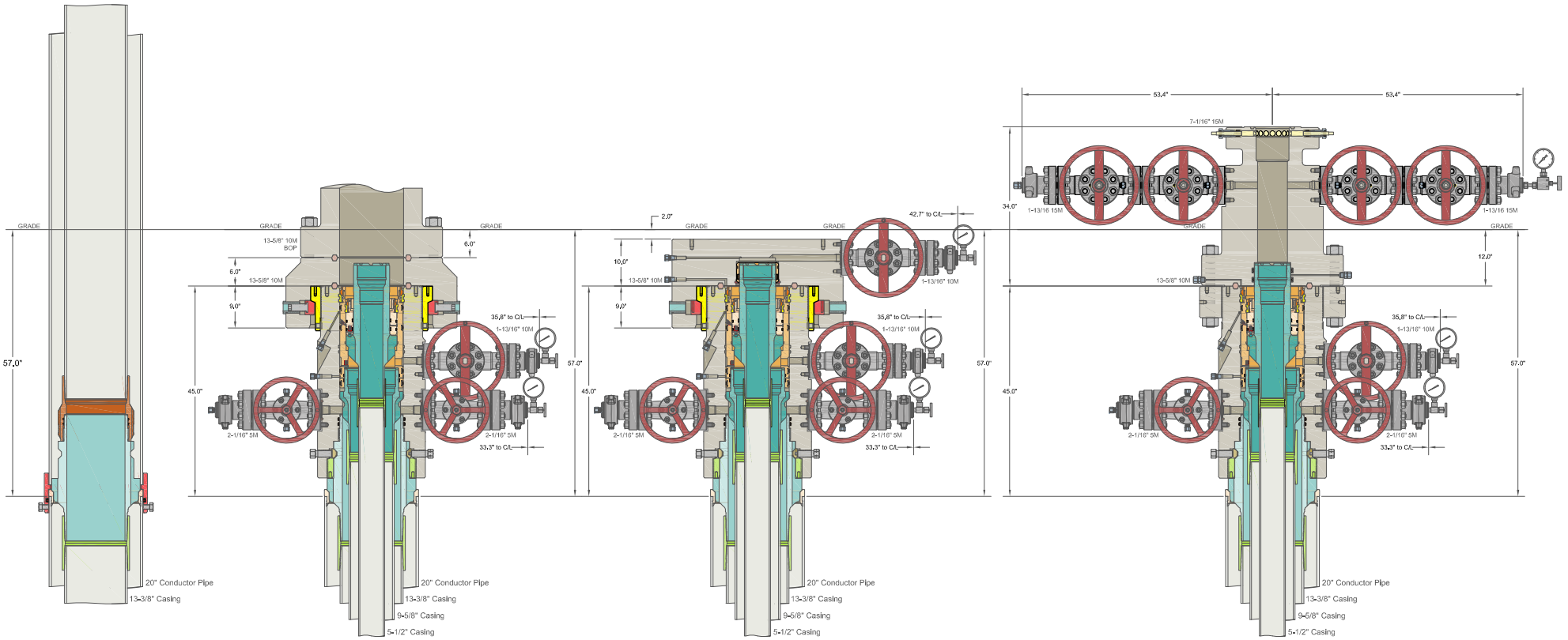
XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

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

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

Production Casing:

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



ALL DIMENSIONS APPROXIMATE

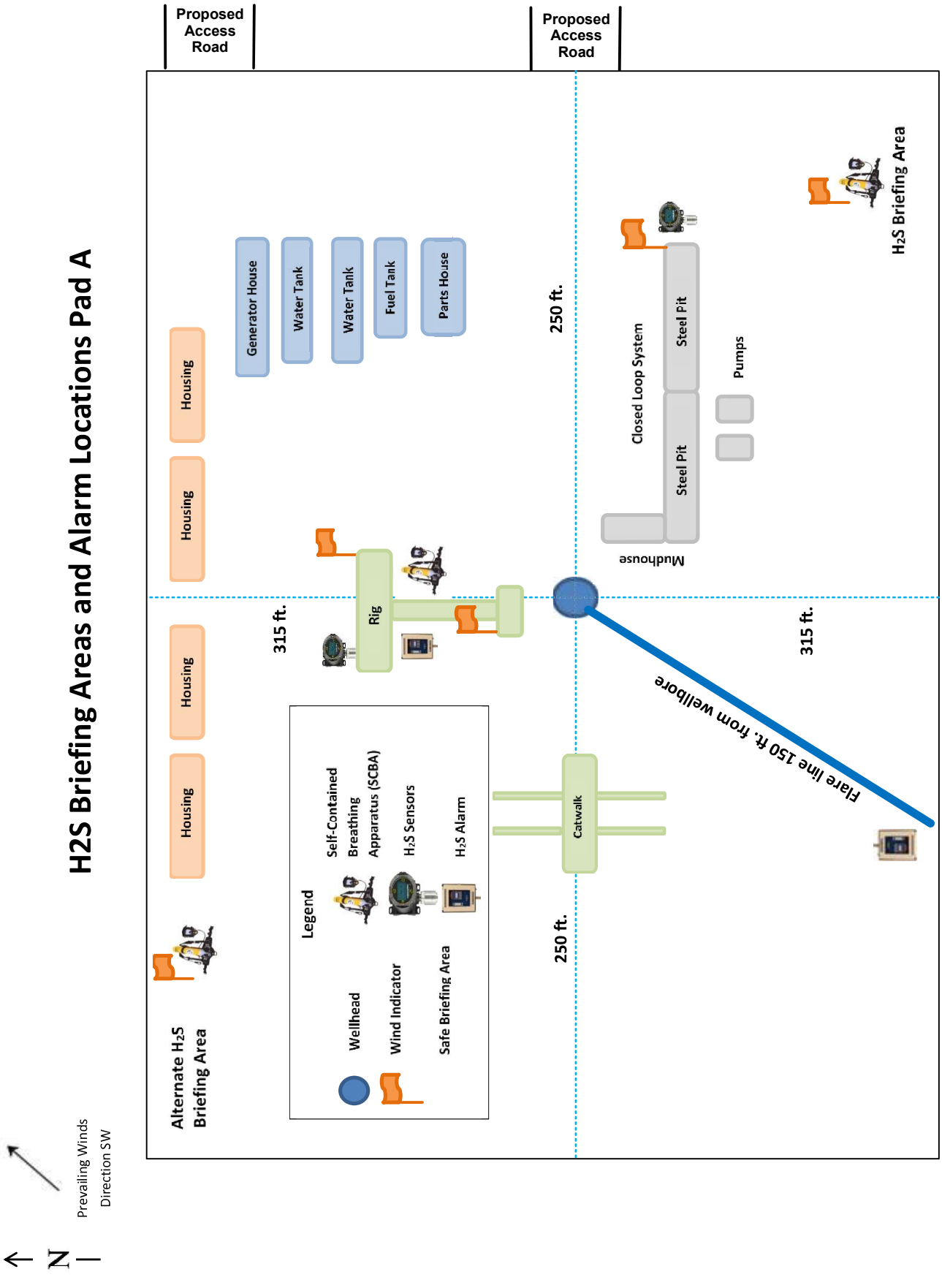
CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

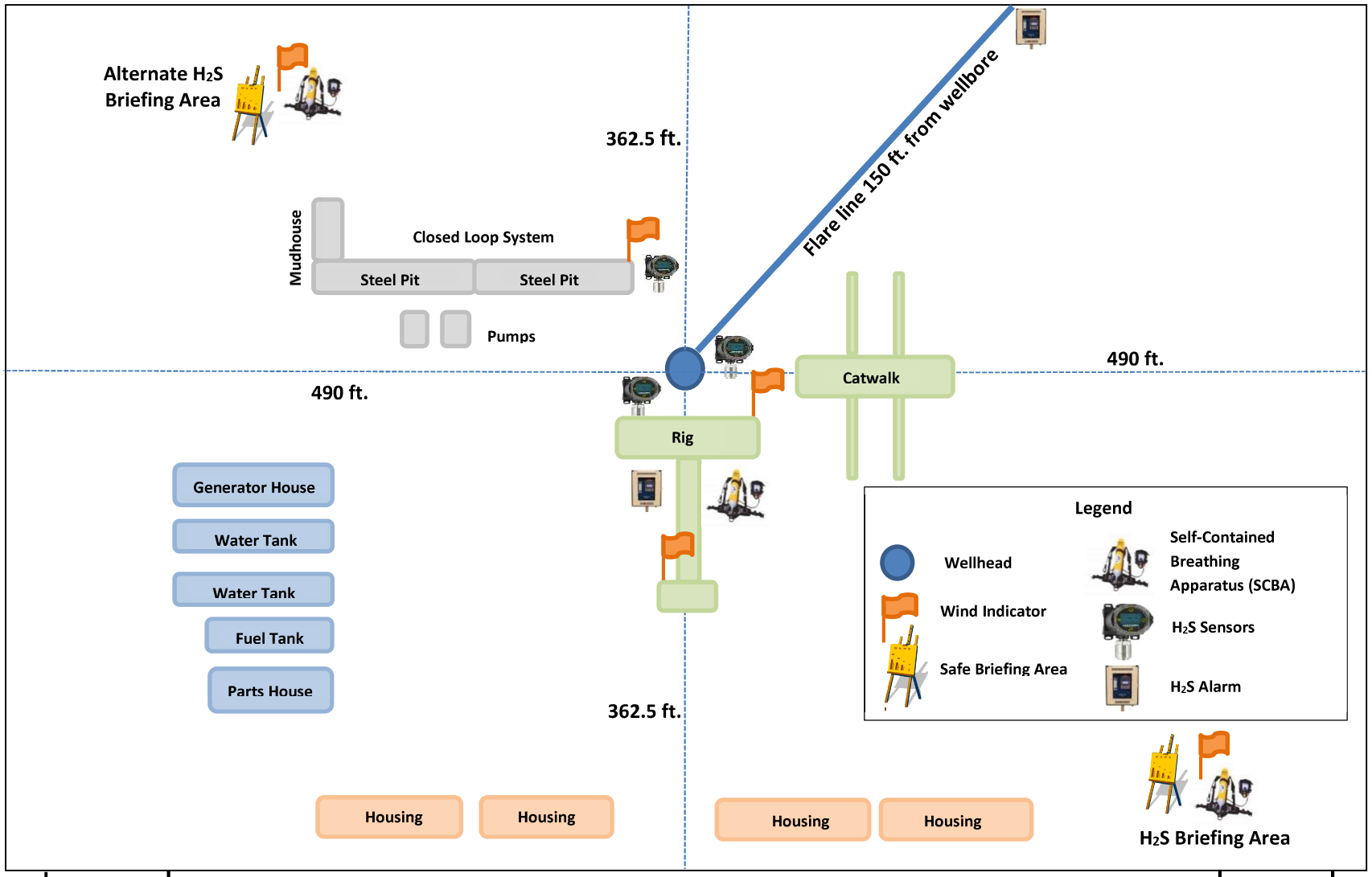
(20") x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

DRAWN	VJK	31MAR25
APPRV		
DRAWING NO.	SDT-2856	

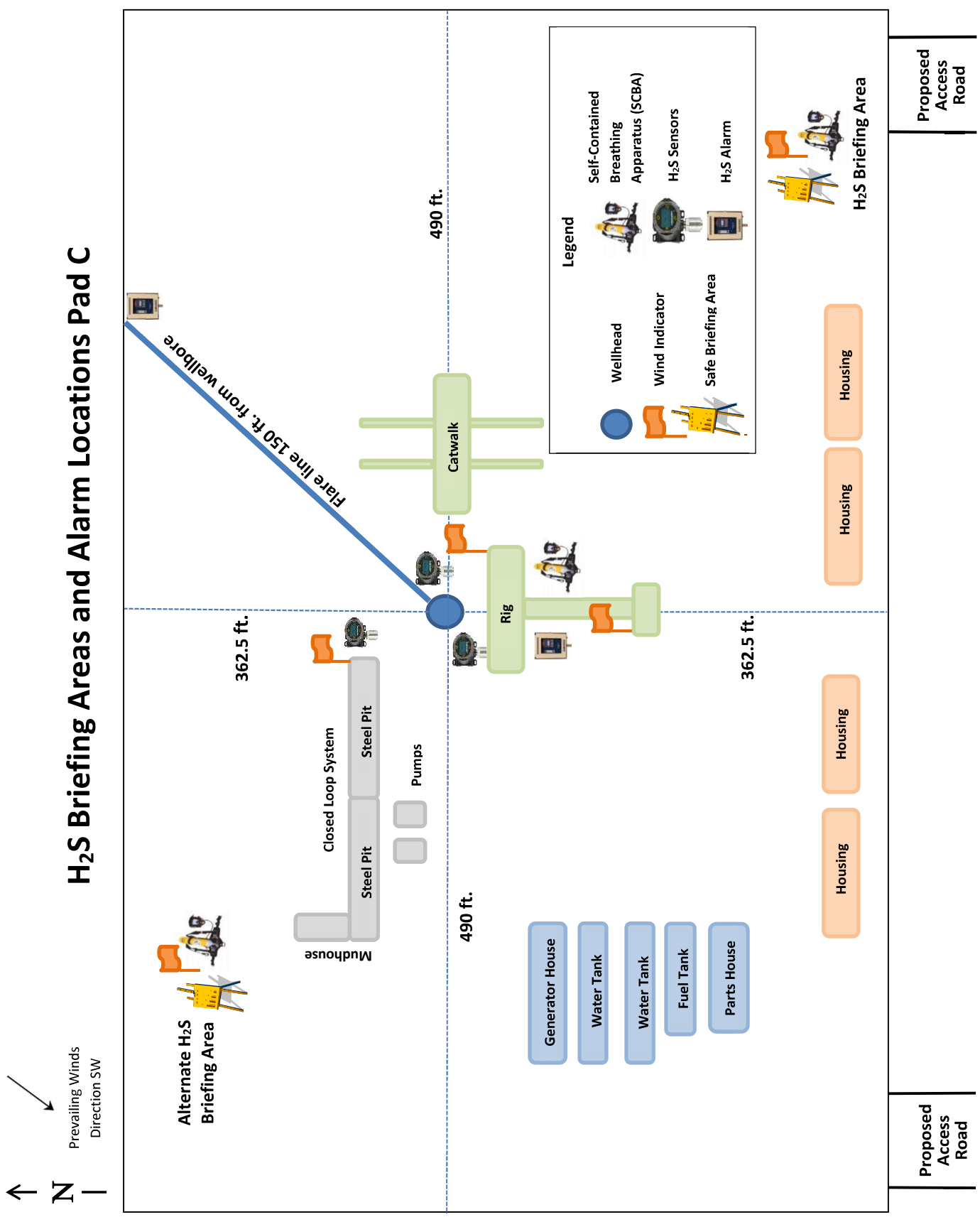
H2S Briefing Areas and Alarm Locations Pad A



H_2S Briefing Areas and Alarm Locations Pad B



H_2S Briefing Areas and Alarm Locations Pad C



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 ENERGY INC. **OGRID:** 005380 **Date:** 02 / 06 / 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	ULSTR	Footages	Anticipated Oil BBL/D	3 yr Anticipated Decline oil BBL/D	Anticipated Gas MCF/D	3 yr anticipated decline Gas MCF/D	Anticipated Produced Water BBL/D	3 yr anticipated decline Water BBL/D
Corral 23-35 Fed Com 101H		23 T25S R29E	86 FNL, 257 FWL	2,100	250	9,000	1,400	8,500	950
Corral 23-35 Fed Com 102H		23 T25S R29E	91 FNL, 287 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 103H		23 T25S R29E	96 FNL, 316 FWL	2,100	250	9,000	1,400	8,500	950
Corral 23-35 Fed Com 104H		23 T25S R29E	382 FNL, 209 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 105H		23 T25S R29E	387 FNL,	2,100	250	9,000	1,400	8,500	950

			238 FWL						
Corral 23-35 Fed Com 106H		23 T25S R29E	392 FNL, 268 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-26 Fed Com 201H		23 T25S R29E	1673 FNL, 1771 FWL	1,500	150	2,500	700	3,000	350
Corral 23-35 Fed Com 202H		23 T25S R29E	1673 FNL, 1801 FWL	2,100	250	9,000	1,400	8,500	950
Corral 23-35 Fed Com 203H		23 T25S R29E	1673 FNL, 1831 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-26 Fed Com 204H		23 T25S R29E	1673 FNL, 1861 FWL	1,400	150	6,000	900	5,500	650
Corral 23-35 Fed Com 205H		23 T25S R29E	1675 FNL, 2261 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 206H		23 T25S R29E	1675 FNL, 2291 FWL	2,100	250	9,000	1,400	8,500	950
Corral 23-26 Fed Com 207H		23 T25S R29E	1675 FNL, 2321 FWL	1,400	150	6,000	900	5,500	650
Corral 23-35 Fed Com 208H		23 T25S R29E	1675 FNL, 2351 FWL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 209H		23 T25S R29E	1798 FNL, 1770 FWL	2,100	250	9,000	1,400	8,500	950
Corral 23-26 Fed Com 210H		23 T25S R29E	1798 FNL, 1800 FWL	1,400	150	6,000	900	5,500	650
Corral 23-35 Fed Com 301H		23 T25S R29E	1901 FNL, 2440 FEL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 302H		23 T25S R29E	1901 FNL, 2410 FEL	2,100	250	9,000	1,400	8,500	950

Corral 23-35 Fed Com 303H		23 T25S R29E	1901 FNL, 2380 FEL	2,300	250	3,750	1,000	4,500	500
Corral 23-26 Fed Com 304H		23 T25S R29E	1901 FNL, 2350 FEL	1,400	150	6,000	900	5,500	650
Corral 23-35 Fed Com 305H		23 T25S R29E	1902 FNL, 1950 FEL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 306H		23 T25S R29E	1902 FNL, 1920 FEL	2,300	250	3,750	1,000	4,500	500
Corral 23-35 Fed Com 307H		23 T25S R29E	1902 FNL, 1890 FEL	2,300	250	3,750	1,000	4,500	500
Corral 23-26 Fed Com 308H		23 T25S R29E	1902 FNL, 1860 FEL	1,500	150	2,500	700	3,000	350
Corral 23-26 Fed Com 309H		23 T25S R29E	2026 FNL, 2440 FEL	1,400	150	6,000	900	5,500	650
Corral 23-26 Fed Com 310H		23 T25S R29E	2026 FNL, 2410 FEL	1,400	150	6,000	900	5,500	650

IV. Central Delivery Point Name: CVB 23/Hawkeye CDP [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
Corral 23-35 Fed Com 101H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 102H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 103H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 104H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 105H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 106H	TBD	TBD	TBD	TBD	TBD	TBD

Corral 23-26 Fed Com 201H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 202H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 203H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 204H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 205H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 206H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 207H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 208H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 209H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 210H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 301H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 302H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 303H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 304H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 305H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 306H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-35 Fed Com 307H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 308H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 309H	TBD	TBD	TBD	TBD	TBD	TBD
Corral 23-26 Fed Com 310H	TBD	TBD	TBD	TBD	TBD	TBD

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

- **(a)** Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- **(b)** Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

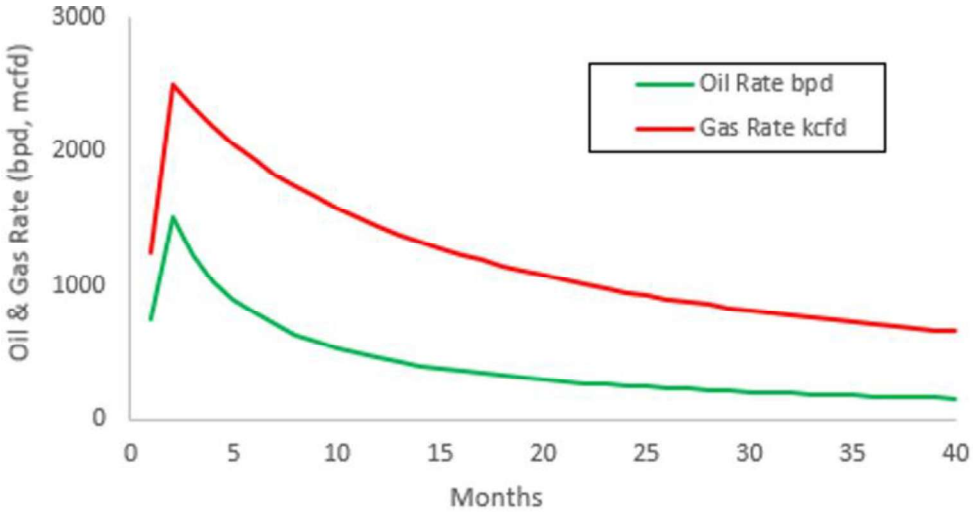
2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural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

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

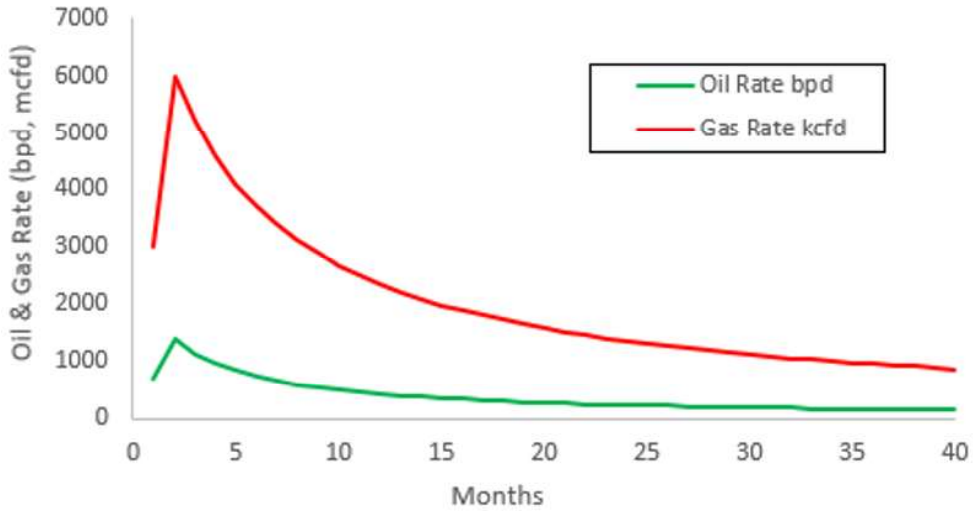
Signature:	Vishal Rajan
Printed Name:	Vishal Rajan
Title:	Regulatory Analyst
E-mail Address:	vishal.rajan@exxonmobil.com
Date:	2/6/2025
Phone:	

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

Corral Canyon – Decline Curves
Bone Spring:



Wolfcamp:



VI. Separation Equipment:

XTO ENERGY INC. 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 ENERGY, INC. will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

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

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

- During production operations, XTO ENERGY, INC. will take every practical effort to minimize waste of natural gas through venting and flaring by:

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

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

VIII. Best Management Practices during Maintenance

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

XTO Permian Operating, LLC Offline Cementing Variance Request

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

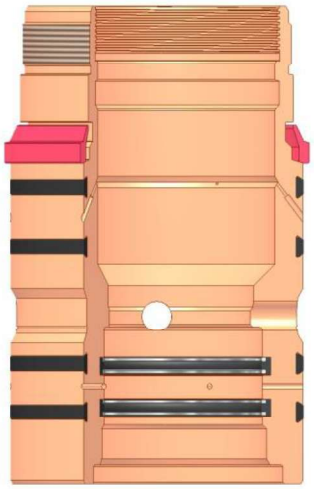
1. Cement Program

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

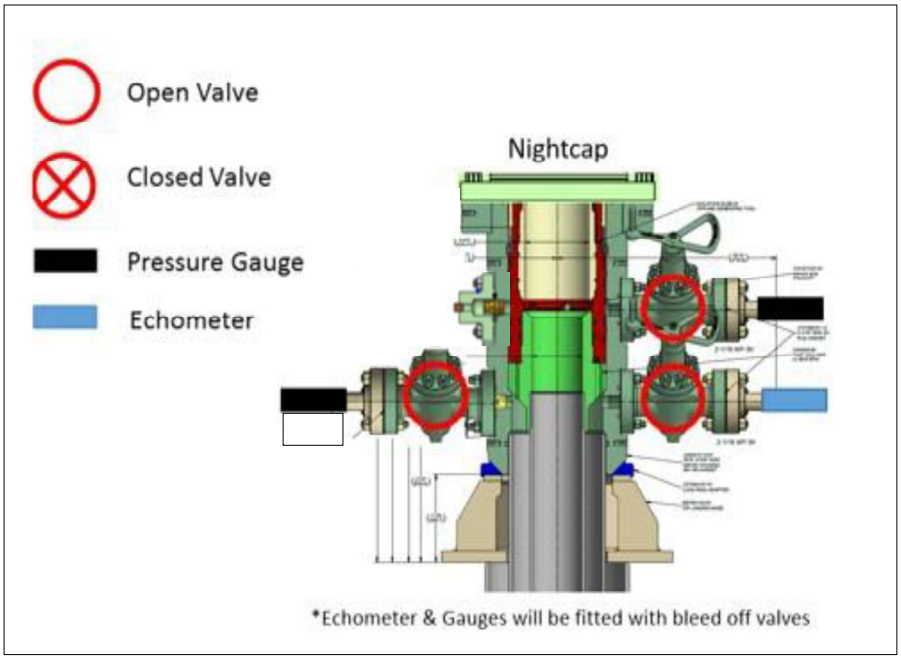
2. Offline Cementing Procedure

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

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



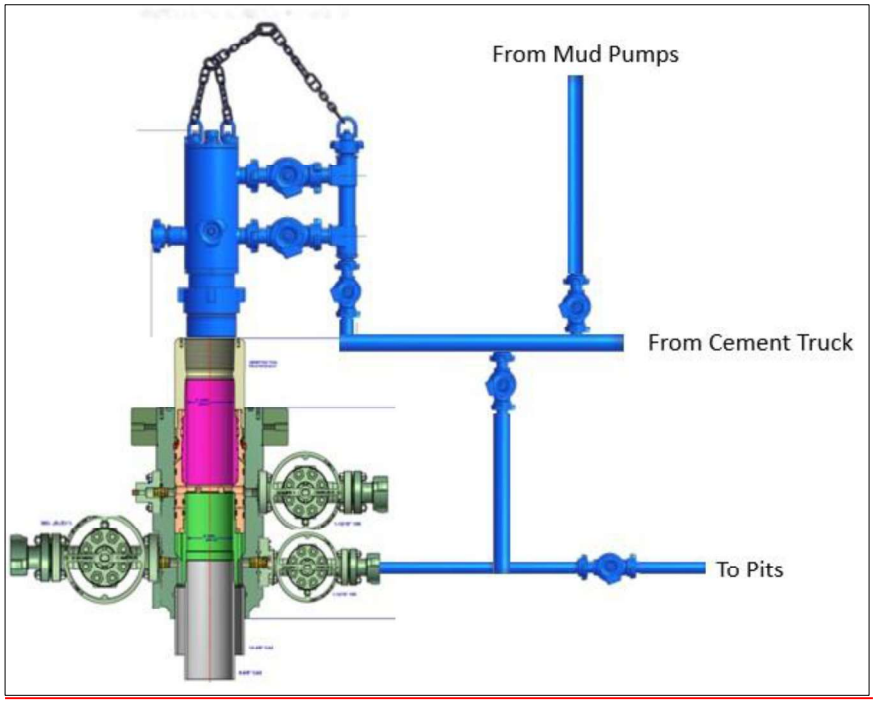
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

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

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

VBR = Variable Bore Ram

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

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

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. OSMOS

TITLE: QUALITY ASSURANCE

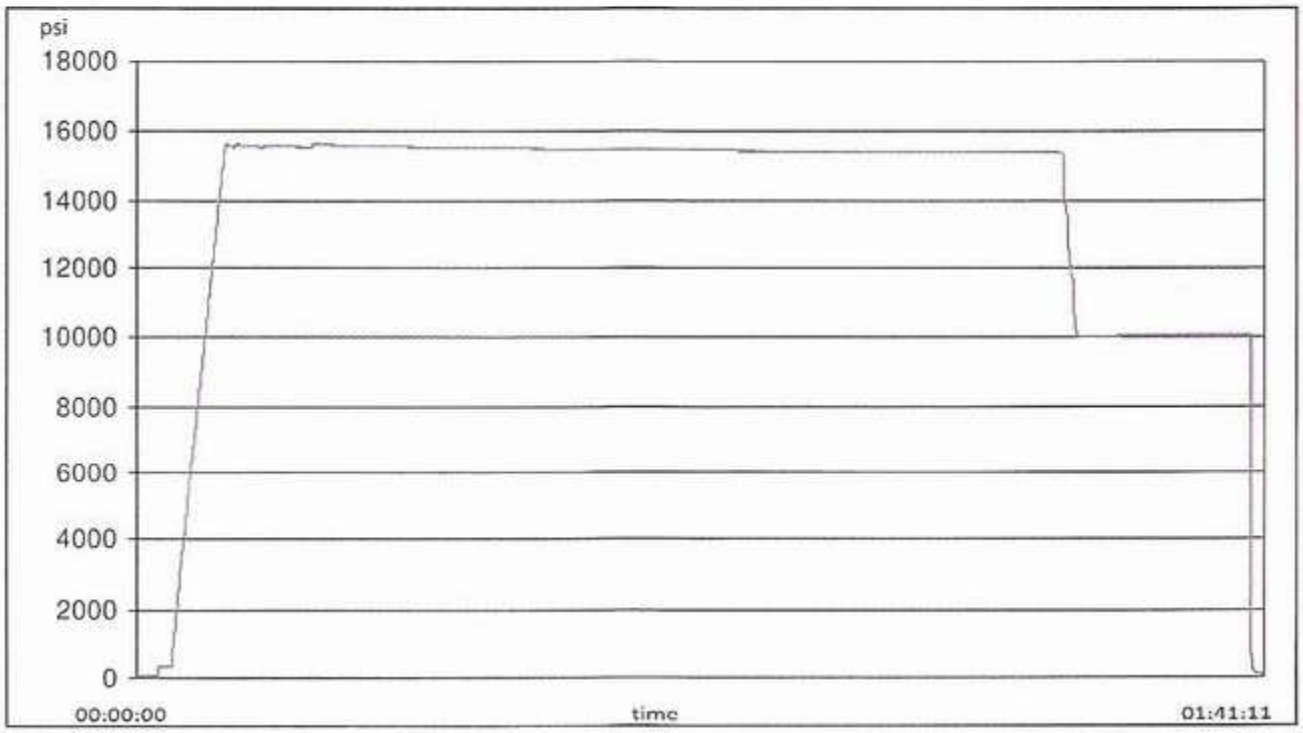
DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER			TEST OBJECT		
Company:	Nabors Industries Inc.		Serial number:	H3-012524-1	
			Lot number:		
Production description:	74621/66-1531		Description:	74621/66-1531	
Sales order #:	529480				
Customer reference:	FG1213		Hose ID:	3" 16C CK	
			Part number:		
TEST INFORMATION					
Test procedure:	GTS-04-053		Fitting 1:	3.0 x 4-1/16 10K	
Test pressure:	15000.00	psi	Part number:		
Test pressure hold:	3600.00	sec	Description:		
Work pressure:	10000.00	psi			
Work pressure hold:	900.00	sec	Fitting 2:	3.0 x 4-1/16 10K	
Length difference:	0.00	%	Part number:		
Length difference:	0.00	inch	Description:		
Visual check:			Length:	45	feet
Pressure test result:	PASS				
Length measurement result:					
Test operator:	Travis				



H3-15716

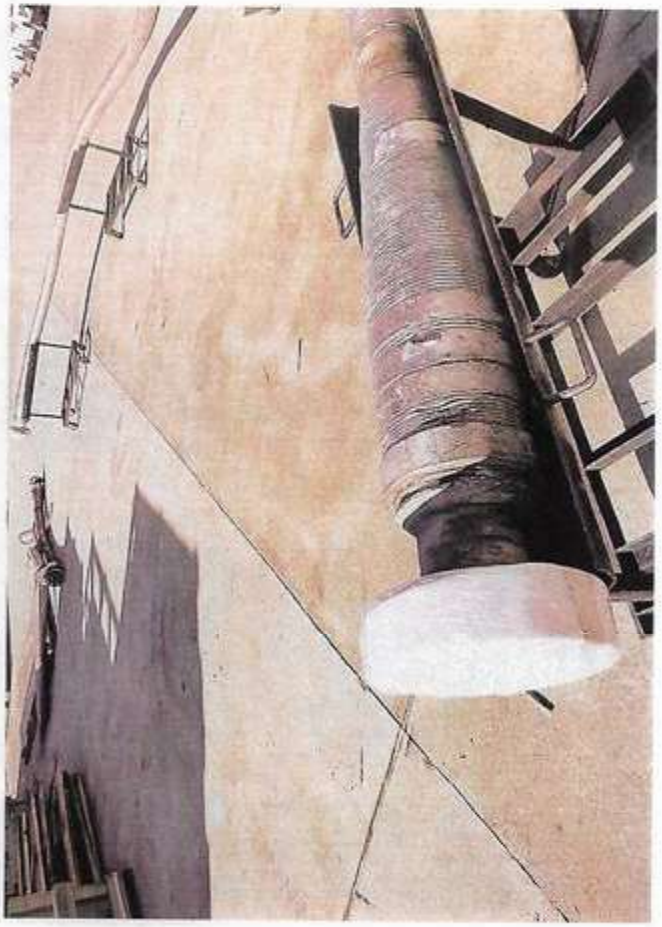
1/25/2024 11:48:06 AM

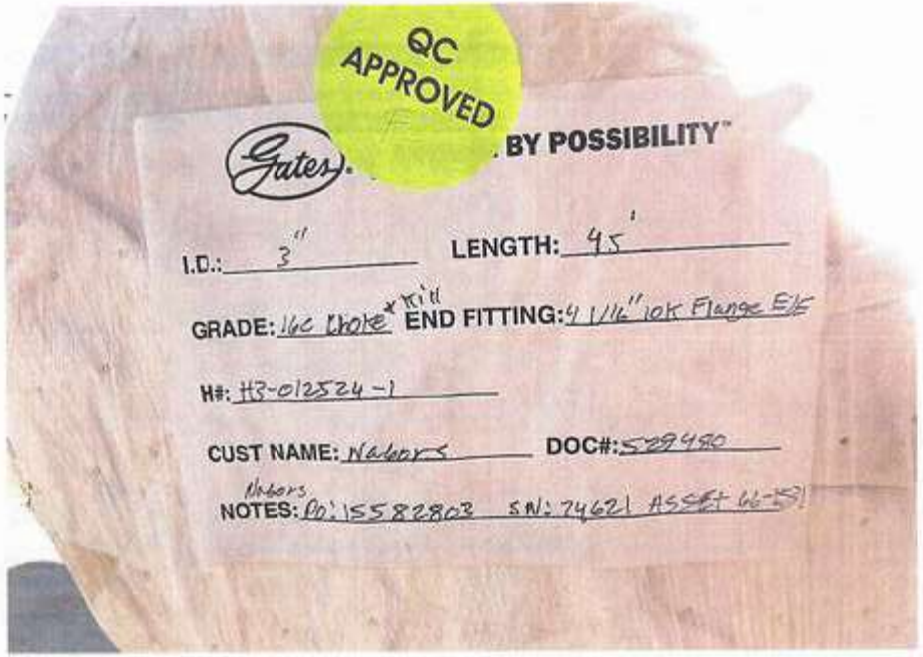
TEST REPORT

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





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

SUPO Data Report
04/09/2025

APD ID: 10400098951
Submission Date: 06/08/2024
Operator Name: XTO ENERGY INCORPORATED
Well Name: CORRAL 23-35 FED COM
Well Number: 302H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

CORRAL_23_35_FED_COM_302H_Road_20240607092052.pdf

Existing Road Purpose: ACCESS

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

CORRAL_23_ACCESS_ROAD_FINAL_20250220120446.pdf

New road type: RESOURCE

Length: 7055.84 Feet **Width (ft.):** 30

Max slope (%): 2 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil
New road access plan or profile prepared? N

New road access plan

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: GRAVEL

Access topsoil source: ONSITE

Access surfacing type description:

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: STRIPPED

Access other construction information: Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road prior to any further construction activity.
Access miscellaneous information: FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.3 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE WEST
Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: LOW WATER

Drainage Control comments: The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction
Road Drainage Control Structures (DCS) description: The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

CC_23_35_1Mile_20240605130829.pdf

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: i. Facilities: Production Facilities will be located on the proposed CORRAL CANYON 23 CENTRAL VESSEL BATTERY. The facility is SITUATED IN THE SW/4 OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO and is 650x685. ii. Flowlines: XTO ENERGY, INC. requests 7778.58 ft. and 100 ft. wide (Approximately 17.64 Acres) of ROW for the proposed flowline. iii. Midstream Tie-in: A proposed Midstream Tie-in is being requested. XTO ENERGY, INC.. Respectfully requests a 110 ROW approximately 3632.14 ft. in length approximately 9.17 Acres. iv. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as shale green that reduce the visual impacts of the built environment. v. Electrical. All lines will be primary 12,740 volt to properly run expected production equipment. 7272.02 ft. of electrical will be run from the anticipated tie-in point with a request for 30 ROW construction and maintenance buffer. This distance is a max. approximation and may vary based on lease road corridors, varying elevations and terrain in the area. A plat of the proposed electrical is attached. Reclamation will be completed after the Electrical lines are installed

Production Facilities map:

XTO_CORRAL_23_CVB_FINAL_20250221010707.pdf

XTO_CORRAL_23_110FT_MIDSTREAM_TIE_IN_FINAL_20250221010708.pdf

XTO_CORRAL_23_BURIED_AND_SURFACE_FLOWLINE_FINAL_20250221010712.pdf

XTO_CORRAL_23_OVERHEAD_ELECTRIC_FINAL_20250221010712.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Fresh Water; Section 13, T17S-R33E, Lea County, New Mexico.

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

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Water source volume (barrels): 300000 **Source volume (acre-feet):** 38.6679289

Source volume (gal): 12600000

Water source type: OTHER

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

Water source use type: DUST CONTROL

SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 300000 **Source volume (acre-feet):** 38.6679289

Source volume (gal): 12600000

Water source and transportation

CORRAL_23_35_FED_COM_302H_Wtr_20240607092116.pdf

Water source comments: The wells will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 7 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Texas pacific water resource. Water for drilling, completion and dust control will be supplied by Texas Pacific Water Resources for sale to XTO ENERGY, INC. from Section 13, T17S-R33E, Lea County, New Mexico. In the event that Texas Pacific water resources does not have the appropriate water for XTO ENERGY, INC. at time of drilling and completion, then XTO ENERGY, INC. water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, New Mexico. Anticipated water usage for drilling includes an estimated 35,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Temporary water flowlines will be permitted via ROW approval letter and proper grants as needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 300,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections

New water well? N

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

New Water Well Info

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

Well target aquifer:

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

Aquifer comments:

Aquifer documentation:

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

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

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

Drilling method: **Drill material:**

Grout material: **Grout depth:**

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

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Pit 1: State operated by MEC, Section 32-T25S-R29E, SENE Pit 2: State operated by MEC, Section 11-T25S-R29E, SENW

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: FLUID

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel Mud Boxes.

Safe containmant attachment:

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

Disposal type description:

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Waste type: DRILLING

Waste content description: CUTTINGS

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

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

Safe containmant attachment:

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

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

Waste type: SEWAGE

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

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

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

Safe containmant attachment:

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

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

Waste type: GARBAGE

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

Amount of waste: 250 pounds

Waste disposal frequency : Weekly

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Safe containmant attachment:

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

Disposal type description:

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

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

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

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

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

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

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

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

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

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

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Section 9 - Well Site

Well Site Layout Diagram:

CORRAL_23_35_FED_COM_302H_Well_20240607092149.pdf

CORRAL_23_35_FED_COM_302H_RL_20250221010628.pdf

Comments: Multi-well pad.

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: CORRAL 23-35 FED COM

Multiple Well Pad Number: C

Recontouring

CORRAL_23_PAD_A_INTERIM_REC_PAD_LAYOUT_FINAL_20250220120847.pdf

CORRAL_23_PAD_C_INTERIM_REC_PAD_LAYOUT_FINAL_20250220120848.pdf

CORRAL_23_PAD_B_INTERIM_REC_PAD_LAYOUT_FINAL_20250220120847.pdf

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

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

Well pad proposed disturbance (acres): 47.208	**Well pad interim reclamation (acres):** 19.69	**Well pad long term disturbance (acres):** 27.518
Road proposed disturbance (acres): 4.81	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 4.81
Powerline proposed disturbance (acres): 4.99	**Powerline interim reclamation (acres):** 4.99	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres): 17.64	**Pipeline interim reclamation (acres):** 17.64	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 19.391	**Other interim reclamation (acres):** 9.17	**Other long term disturbance (acres):** 10.221
Total proposed disturbance: 94.03899999999999	**Total interim reclamation:** 51.49	**Total long term disturbance:** 42.54900000000001

Disturbance Comments:

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

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

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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

Existing Vegetation at the well pad

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

Existing Vegetation Community at the road

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

Existing Vegetation Community at the pipeline

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

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

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

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

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

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

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

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

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

Success standards: 100% compliance with applicable regulations.

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

Section 11 - Surface Ownership

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Disturbance type: PIPELINE

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:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Disturbance type: NEW 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:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: TRANSMISSION LINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Disturbance type: OTHER

Describe: FLOWLINE

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Disturbance type: OTHER

Describe: Central 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? Y **Use APD as ROW?** Y

ROW Type(s): 281001 ROW - ROADS,285003 ROW – POWER TRANS,288100 ROW – O&G Pipeline,289001 ROW- O&G Well Pad

ROW

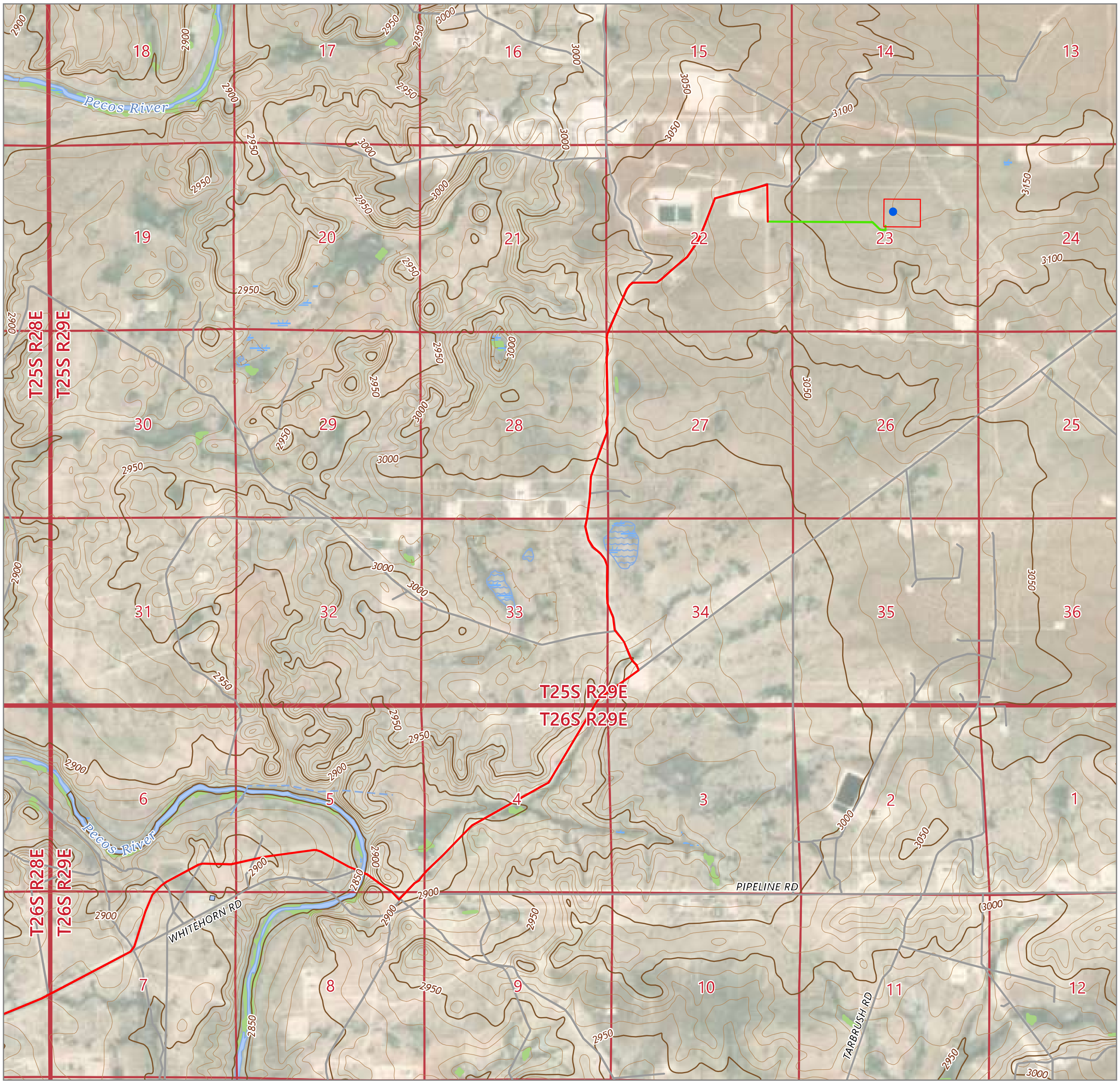
SUPO Additional Information: SUPO written for all wells in section/project area.

Use a previously conducted onsite? Y

Previous Onsite information: The XTO ENERGY, INC. representatives and BLM NRS were on location for onsite on 8/10/2023.

Other SUPO

CC_23_35_23_26_Fed_Supo_20250221010839.pdf



DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.0 MILE. TURN RIGHT (SOUTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE EAST.

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

LEGEND

- CORRAL 23-35 FED COM 302H WELL LOCATION
- PROPOSED WELL PAD
- DRIVING ROUTE
- PROPOSED ACCESS ROAD = 3581'

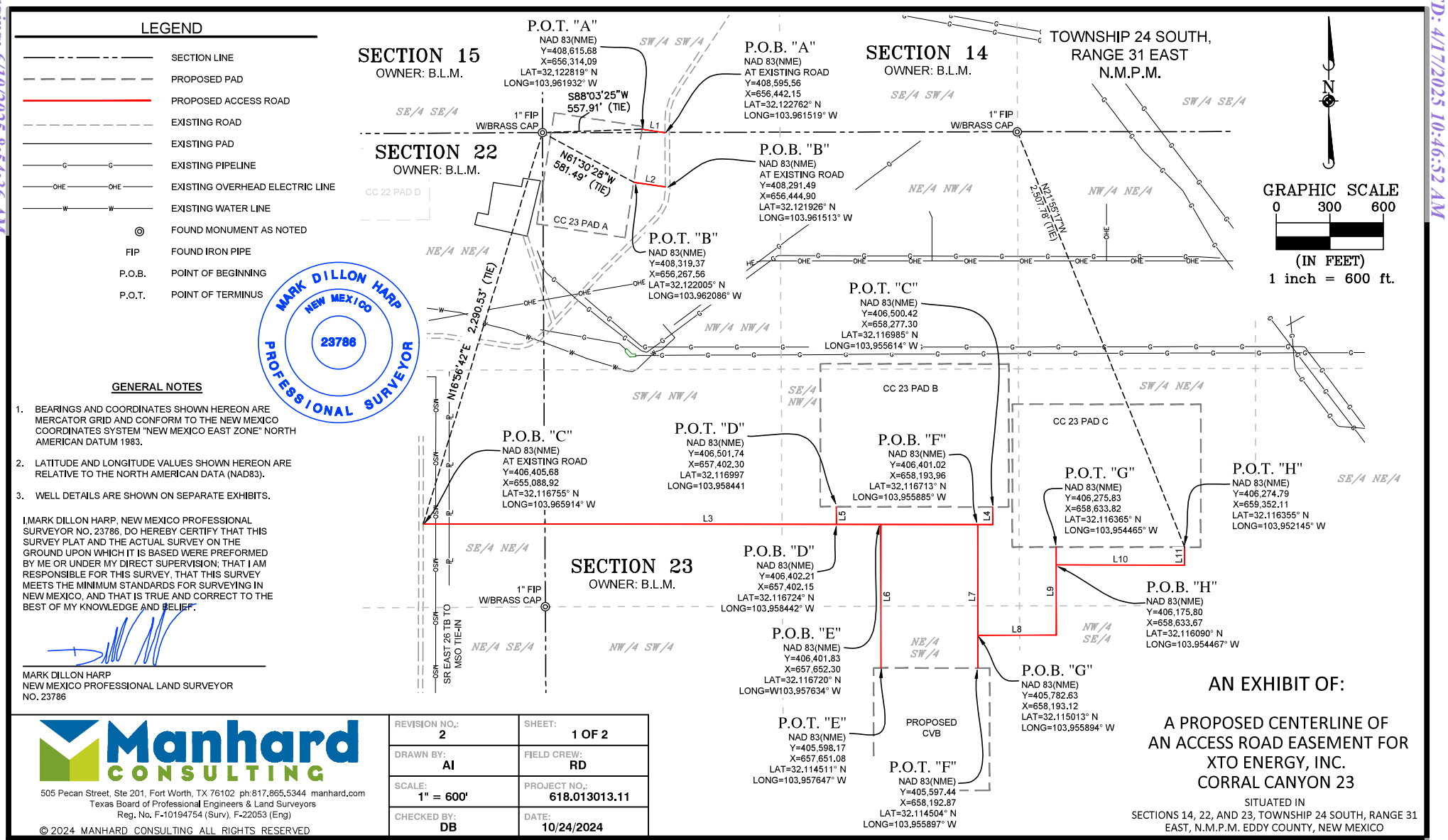
N

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-21732 (Eng)

A TOPOGRAPHICAL AND ACCESS ROAD MAP FOR XTO ENERGY, INC.
CORRAL 23-35 FED COM 302H

LOCATED 1901 FEET FROM THE NORTH LINE AND 2410 FEET FROM THE EAST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY: AR	DATE: 3/18/2024	SCALE: 1":5,000'	PROJECT NUMBER: 618.013013.11-17
DRAWN BY: RE	FIELD CREW: RD	REVISION NUMBER: 1	SHEET: 3 OF 3



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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

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 EXHIBIT OF:

A PROPOSED CENTERLINE OF AN ACCESS ROAD EASEMENT FOR XTO ENERGY, INC. CORRAL CANYON 23

SITUATED IN
SECTIONS 14, 22, AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 1 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE: 1" = 600'	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy – NM\013 Corral Canyon Unit – Eddy\.11 – Corral Canyon 23 – Eddy\DWG\Exhibits\PROP ACCESS ROADS.dwg

LINE TABLE		
LINE	BEARING	LENGTH
L1	N81°04'15"W	129.63'

LINE TABLE		
LINE	BEARING	LENGTH
L2	N81°04'01"W	179.51'

LINE TABLE		
LINE	BEARING	LENGTH
L3	N89°54'50"W	3188.23'
L4	S00°05'10"W	99.53'

LINE TABLE		
LINE	BEARING	LENGTH
L5	N00°05'10"E	99.54'

LINE TABLE		
LINE	BEARING	LENGTH
L6	S00°05'13"W	803.66'

LINE TABLE		
LINE	BEARING	LENGTH
L7	S00°04'38"W	803.58'

LINE TABLE		
LINE	BEARING	LENGTH
L8	N89°55'00"W	439.98'
L9	S00°05'00"W	493.85'

LINE TABLE		
LINE	BEARING	LENGTH
L10	N89°54'59"W	718.29'
L11	S00°05'13"W	100.04'

TOTAL LENGTH =
7,055.84 FEET OR 427.63 RODS

CORRAL CANYON 23 PROPOSED ACCESS ROADS DESCRIPTION:

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 7,055.84 FEET, 427.63 RODS, OR 1.34 MILES IN LENGTH CROSSING SECTION 14, 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE ABOVE PLATTED CENTERLINE SURVEY, COMPRISING OF 4.81 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

SW/4 SW/4 OF SECTION 14 = 114.73 FEET = 6.95 RODS = 0.07 OF AN ACRE
SE/4 NE/4 OF SECTION 22 = 680.77 FEET = 41.26 RODS = 0.47 OF AN ACRE
NW/4 NW/4 OF SECTION 23 = 194.41 FEET = 11.78 RODS = 0.14 OF AN ACRE
SW/4 NW/4 OF SECTION 23 = 1,327.91 FEET = 80.48 RODS = 0.92 OF AN ACRE
SE/4 NW/4 OF SECTION 23 = 2,291.41 FEET = 138.88 RODS = 1.55 ACRES
NE/4 SW/4 OF SECTION 23 = 929.66 FEET = 56.34 RODS = 0.63 OF AN ACRE
NW/4 SE/4 OF SECTION 23 = 369.31 FEET = 22.38 RODS = 0.25 OF AN ACRE
SW/4 NE/4 OF SECTION 23 = 1,147.64 FEET = 69.56 RODS = 0.78 OF AN ACRE

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

AN EXHIBIT OF:

A PROPOSED CENTERLINE OF AN ACCESS ROAD EASEMENT FOR XTO ENERGY, INC. CORRAL CANYON 23

SITUATED IN
SECTIONS 14, 22, AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

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

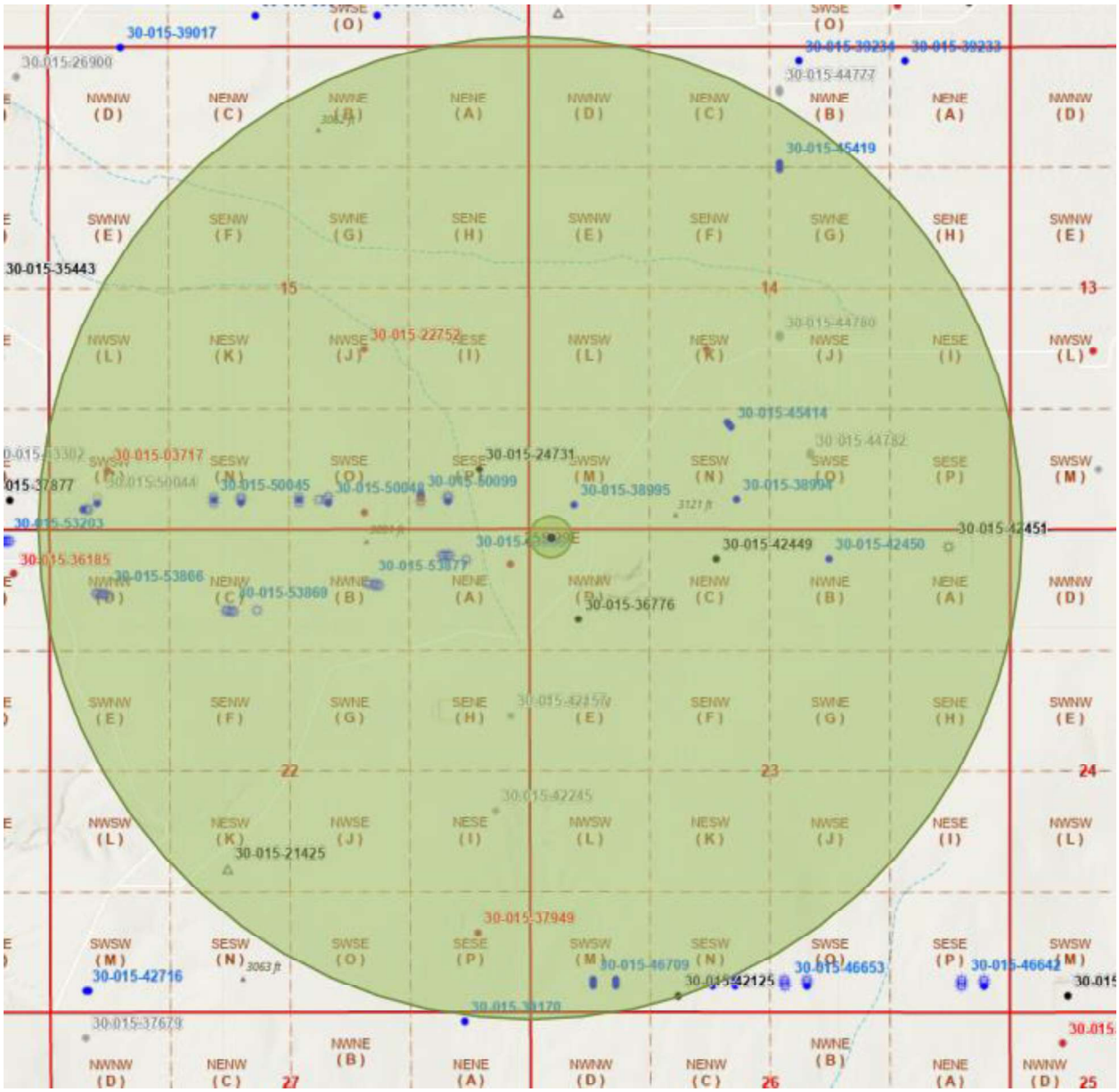
Manhard CONSULTING
505 Pecan Street, Ste 201, Fort Worth, TX 76102 ph:817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors
Reg. No. F-10194754 (Surv), F-22053 (Eng)

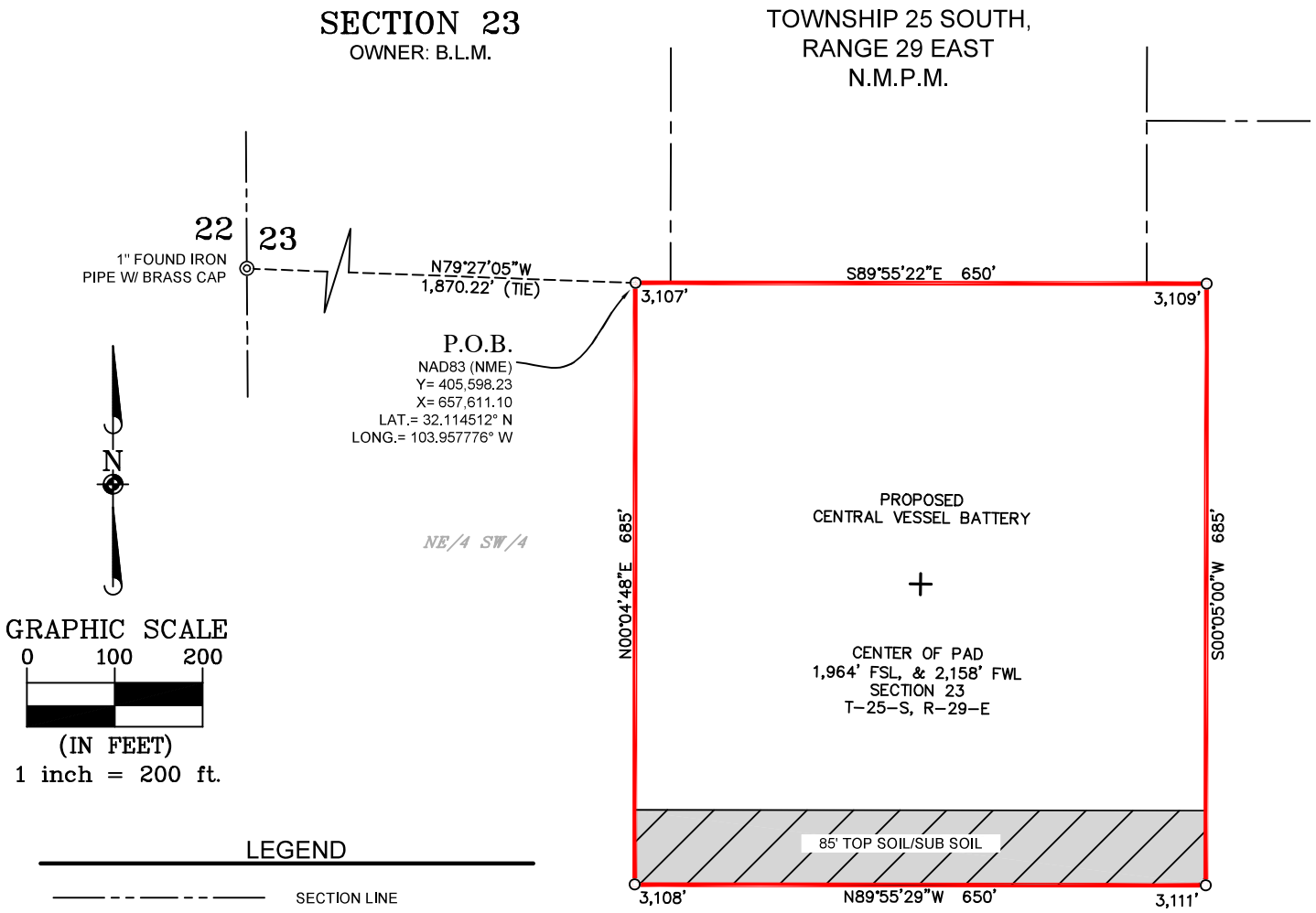
REVISION NO.: 2	SHEET: 2 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE:	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy – NM\013 Corral Canyon Unit – Eddy\.11 – Corral Canyon 23 – Eddy\DWG\Exhibits\PROP ACCESS ROADS.dwg

Corral 23-35

1-Mile Radius Map





LEGEND

———	SECTION LINE
———	PROPOSED PAD
— — —	PROPOSED ACCESS ROAD
P.O.B.	POINT OF BEGINNING
◎	FOUND MONUMENT AS NOTED

ACREAGE INFORMATION	
PROPOSED PAD	= 8.953 ACRES
TOP SOIL/SUB SOIL	= 1.268 ACRES
	TOTAL = 10.221 ACRES

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

CORRAL CANYON 23 PROPOSED CENTRAL VESSEL BATTERY DESCRIPTION:

Description of a proposed central vessel battery totaling 10.221 acres and being situated in Section 23, Township 25 South, Range 29 East, New Mexico Prime Meridian, Eddy County, New Mexico and being more particularly described as follows:

BEGINNING at the northwest corner of the proposed facility pad from which a found 1" iron pipe with a brass cap, being the west quarter corner of said Section 23 bears N 79°27'05" W 1,870.22 feet;

THENCE over and across said Section 23, the following courses and distances:

S 89°55'22" E, a distance of 650.00 feet to a point;

S 00°05'00" W, a distance of 685.00 feet to a point;

N 89°55'29" W, a distance of 650.00 feet to a point;

N 00°04'48" E, a distance of 685.00 feet to the **POINT OF BEGINNING** containing a total of 10.221 **acres**, more or less.

Said pad is divided in each lot section as follows

NE/4 SW/4 SECTION 23 = 10.221 ACRES

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)

A PROPOSED PAD FOR XTO ENERGY, INC.
CORRAL CANYON 23 CENTRAL VESSEL BATTERY

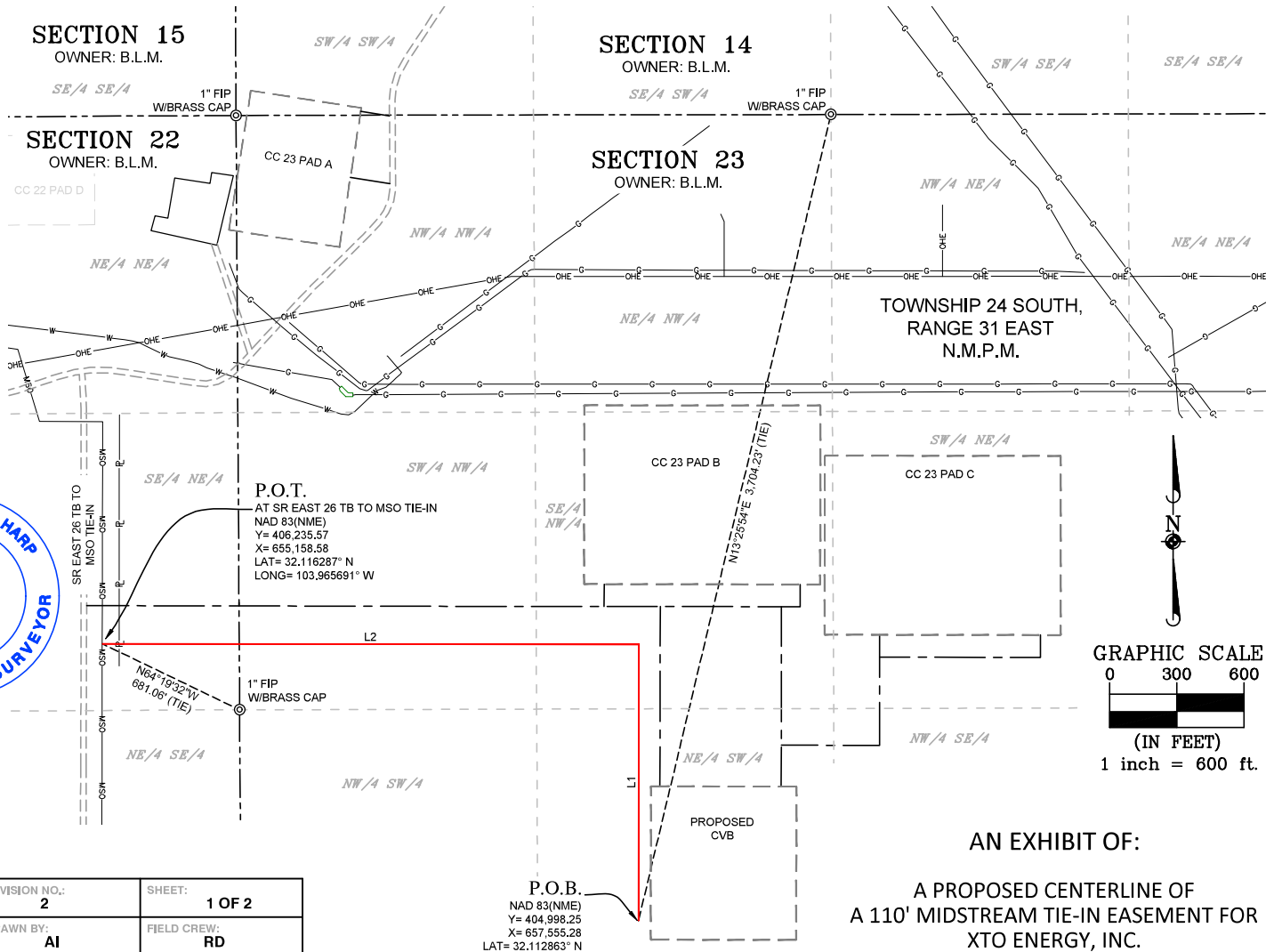
SITUATED IN THE SW/4 OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	10/24/2024	1" = 200'	618-013013.11
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	2	1 OF 1

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\FACILITY PAD.dwg

LEGEND

- SECTION LINE
- PROPOSED PAD
- PROPOSED 110' WIDE MIDSTREAM TIE-IN
- PROPOSED ACCESS ROAD
- EXISTING ROAD
- EXISTING PAD
- EXISTING PIPELINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER LINE
- FOUND MONUMENT AS NOTED
- FIP — FOUND IRON PIPE
- P.O.B. — POINT OF BEGINNING
- P.O.T. — POINT OF TERMINUS



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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

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 EXHIBIT OF:

A PROPOSED CENTERLINE OF
A 110' MIDSTREAM TIE-IN EASEMENT FOR
XTO ENERGY, INC.
CORRAL CANYON 23

SITUATED IN
SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 1 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE: 1" = 600'	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\110FT MIDSTREAM.dwg

LINE TABLE "A"		
LINE	BEARING	LENGTH
L1	N00°04'55"E	1233.67'
L2	N89°54'46"W	2398.47'

TOTAL LENGTH = 3,632.14 FEET OR 220.13 RODS

CORRAL CANYON 23 PROPOSED 110' WIDE MIDSTREAM TIE-IN DESCRIPTION:

SURVEY OF A STRIP OF LAND 110.0 FEET WIDE AND 3,632.14 FEET, 220.13 RODS, OR 0.69 MILES IN LENGTH CROSSING SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO AND BEING 55.0 FEET RIGHT AND 55.0 FEET LEFT OF THE ABOVE PLATTED CENTERLINE SURVEY, COMPRISING OF 9.17 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

SE/4 NE/4 OF SECTION 22 = 612.14 FEET = 37.10 RODS = 1.55 ACRES
SW/4 NW/4 OF SECTION 23 = 1,327.78 FEET = 80.47 RODS = 3.35 ACRES
SE/4 NW/4 OF SECTION 23 = 746.21 FEET = 45.23 RODS = 1.88 ACRES
NE/4 SW/4 OF SECTION 23 = 946.01 FEET = 57.33 RODS = 2.39 ACRES

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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 2 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE:	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

AN EXHIBIT OF:

A PROPOSED CENTERLINE OF A 110' MIDSTREAM TIE-IN EASEMENT FOR XTO ENERGY, INC. CORRAL CANYON 23

SITUATED IN
SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

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

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\110FT MIDSTREAM.dwg

LEGEND

- SECTION LINE
- PROPOSED PAD
- PROPOSED BURIED AND SURFACE FLOWLINE
- PROPOSED ACCESS ROAD
- EXISTING ROAD
- EXISTING PAD
- EXISTING PIPELINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER LINE
- FOUND MONUMENT AS NOTED
- FIP — FOUND IRON PIPE
- P.O.B. — POINT OF BEGINNING
- P.O.T. — POINT OF TERMINUS

N

GENERAL NOTES

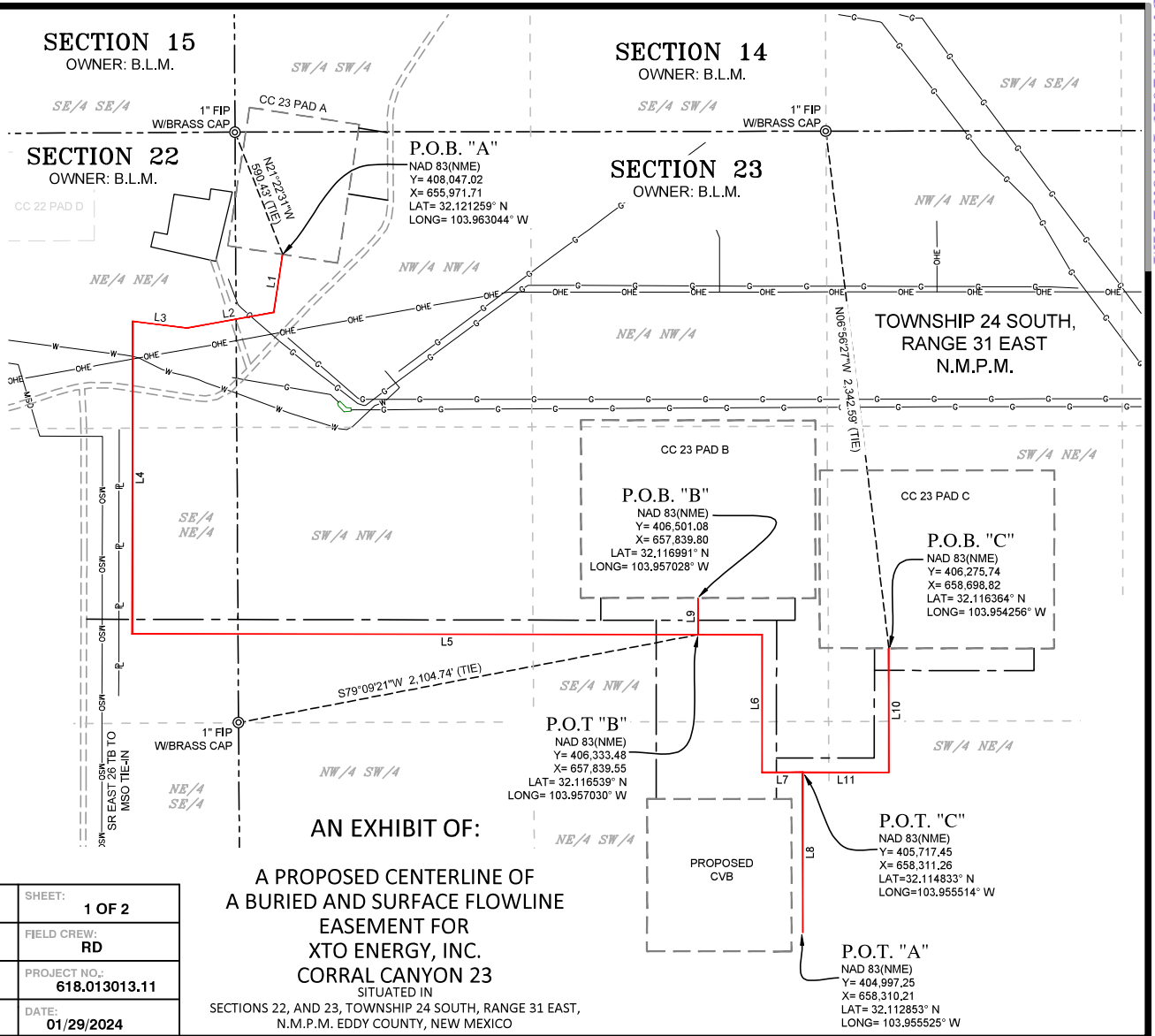
1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

GRAPHIC SCALE
0 300 600
(IN FEET)
1 inch = 600 ft.

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 EXHIBIT OF:

A PROPOSED CENTERLINE OF
A BURIED AND SURFACE FLOWLINE
EASEMENT FOR
XTO ENERGY, INC.
CORRAL CANYON 23
SITUATED IN
SECTIONS 22, AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 1	SHEET: 1 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE: 1" = 600'	PROJECT NO.: 618.013013.11
CHECKED BY: AR	DATE: 01/29/2024

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\100ft FLOWLINE.dwg

LINE TABLE "A"		
LINE	BEARING	LENGTH
L1	S08°57'21"W	264.33'
L2	S79°54'10"W	399.90'
L3	N82°49'00"W	241.21'
L4	S00°10'38"W	1405.52'
L5	S89°54'40"E	2835.68'
L6	S00°04'38"W	618.32'
L7	S89°55'00"E	183.22'
L8	S00°05'00"W	720.20'

LINE TABLE "B"		
LINE	BEARING	LENGTH
L9	S00°05'14"W	164.60'

LINE TABLE "C"		
LINE	BEARING	LENGTH
L10	S00°05'00"W	558.85'
L11	N89°55'00"W	386.75'

TOTAL LENGTH =
7,778.58 FEET OR 471.43 RODS

CORRAL CANYON 23 PROPOSED BURIED AND SURFACE FLOWLINE DESCRIPTION:

SURVEY OF A STRIP OF LAND 100.0 FEET WIDE AND 7,778.58 FEET, 471.43 RODS, OR 1.47 MILES IN LENGTH CROSSING SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO AND BEING 50.0 FEET RIGHT AND 50.0 FEET LEFT OF THE ABOVE PLATTED CENTERLINE SURVEY, COMPRISING OF 17.64 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

NW/4 NW/4 OF SECTION 23 = 436.02 FEET = 26.42 RODS = 1.00 ACRES
SW/4 NW/4 OF SECTION 23 = 1,327.86 FEET = 80.48 RODS = 3.05 ACRES
SE/4 NW/4 OF SECTION 23 = 1,586.10 FEET = 96.13 RODS = 3.53 ACRES
NE/4 SW/4 OF SECTION 23 = 1,248.53 FEET = 75.67 RODS = 2.75 ACRES
NW/4 SE/4 OF SECTION 23 = 499.16 FEET = 30.25 RODS = 1.15 ACRES
SW/4 NE/4 OF SECTION 23 = 329.07 FEET = 19.94 RODS = 0.76 OF AN ACRE
NE/4 NE/4 OF SECTION 22 = 949.33 FEET = 57.54 RODS = 2.18 ACRES
SE/4 NE/4 OF SECTION 22 = 1,402.51 FEET = 85.00 RODS = 3.22 ACRES

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

AN EXHIBIT OF:

A PROPOSED CENTERLINE OF A BURIED AND SURFACE FLOWLINE EASEMENT FOR XTO ENERGY, INC. CORRAL CANYON 23

SITUATED IN
SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

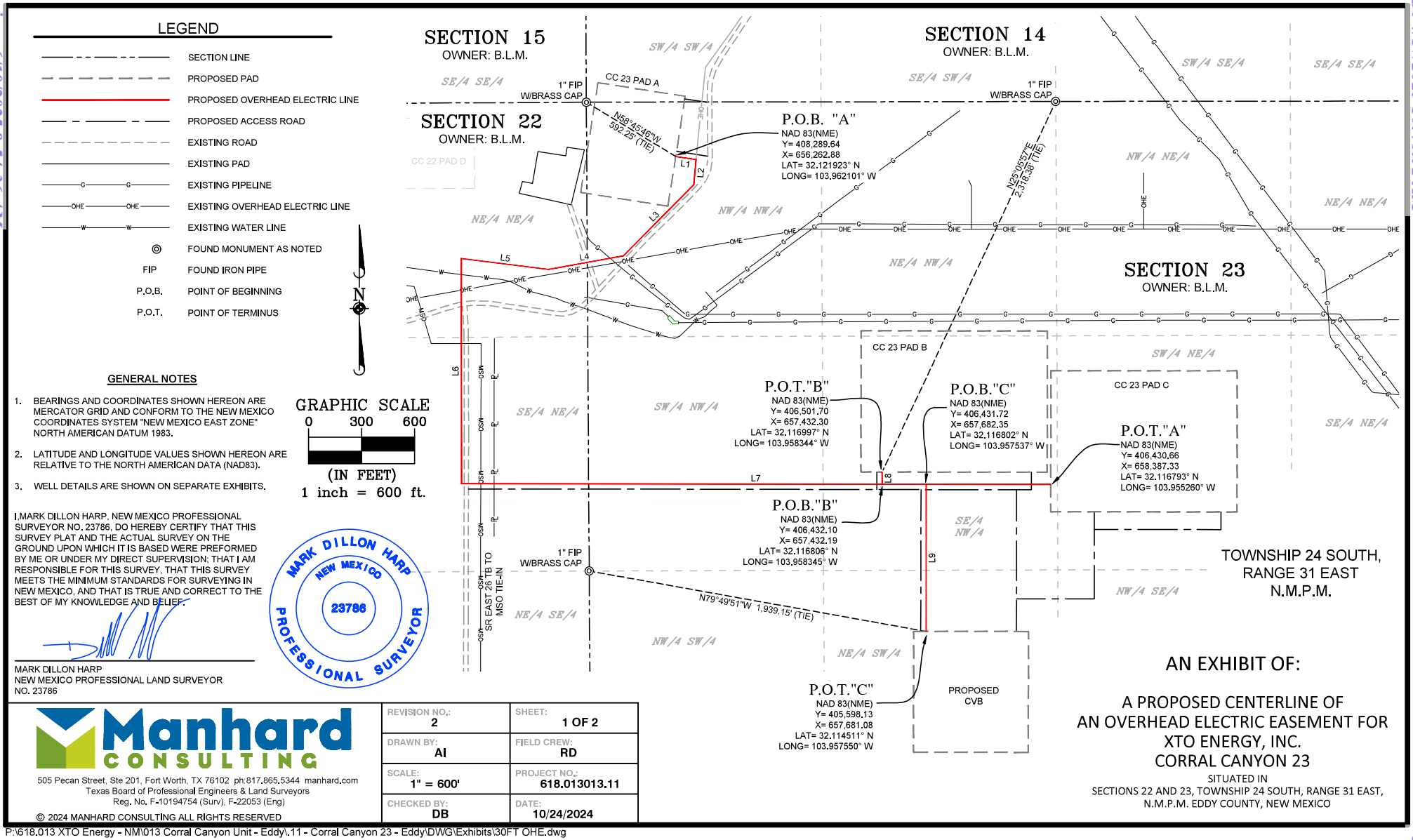
I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PREFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS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

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 2 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE:	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\100ft FLOWLINE.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).
3. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

GRAPHIC SCALE
0 300 600
(IN FEET)
1 inch = 600 ft.

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

TOWNSHIP 24 SOUTH,
RANGE 31 EAST
N.M.P.M.

AN EXHIBIT OF:

A PROPOSED CENTERLINE OF
AN OVERHEAD ELECTRIC EASEMENT FOR
XTO ENERGY, INC.
CORRAL CANYON 23

SITUATED IN
SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M. EDDY COUNTY, NEW MEXICO

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 1 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE: 1" = 600'	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\30FT OHE.dwg

LINE TABLE "A"		
LINE	BEARING	LENGTH
L1	S81°06'45"E	116.77'
L2	S05°43'08"W	143.28'
L3	S44°40'50"W	566.66'
L4	S79°54'10"W	433.70'
L5	N82°49'28"W	493.45'
L6	S00°01'35"W	1275.99'
L7	S89°54'47"E	3338.98'

LINE TABLE "B"		
LINE	BEARING	LENGTH
L8	N00°05'10"E	69.60'

LINE TABLE "C"		
LINE	BEARING	LENGTH
L9	S00°05'13"W	833.59'

TOTAL LENGTH =
7,272.02 FEET OR 440.73 RODS

CORRAL CANYON 23 PROPOSED OVERHEAD ELECTRIC LINE EASEMENT DESCRIPTION:

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 7,272.02 FEET, 440.73 RODS, OR 1.38 MILES IN LENGTH CROSSING SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET RIGHT AND 15.0 FEET LEFT OF THE ABOVE PLATTED CENTERLINE SURVEY, COMPRISING OF 4.99 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

NW/4 NW/4 OF SECTION 23 = 1,033.49 FEET = 62.64 RODS = 0.71 OF AN ACRE
SW/4 NW/4 OF SECTION 23 = 1,327.93 FEET = 80.48 RODS = 0.92 OF AN ACRE
SE/4 NW/4 OF SECTION 23 = 1,846.71 FEET = 111.92 RODS = 1.25 ACRES
NE/4 SW/4 OF SECTION 23 = 346.39 FEET = 20.99 RODS = 0.24 OF AN ACRE
NE/4 NE/4 OF SECTION 22 = 1,167.37 FEET = 70.75 RODS = 0.80 OF AN ACRE
SE/4 NE/4 OF SECTION 22 = 1,550.13 FEET = 93.95 RODS = 1.07 ACRES

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

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. WELL DETAILS ARE SHOWN ON SEPARATE EXHIBITS.

AN EXHIBIT OF:

A PROPOSED CENTERLINE OF AN OVERHEAD ELECTRIC EASEMENT FOR XTO ENERGY, INC. CORRAL CANYON 23

SITUATED IN
SECTIONS 22 AND 23, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M EDDY COUNTY, NEW MEXICO

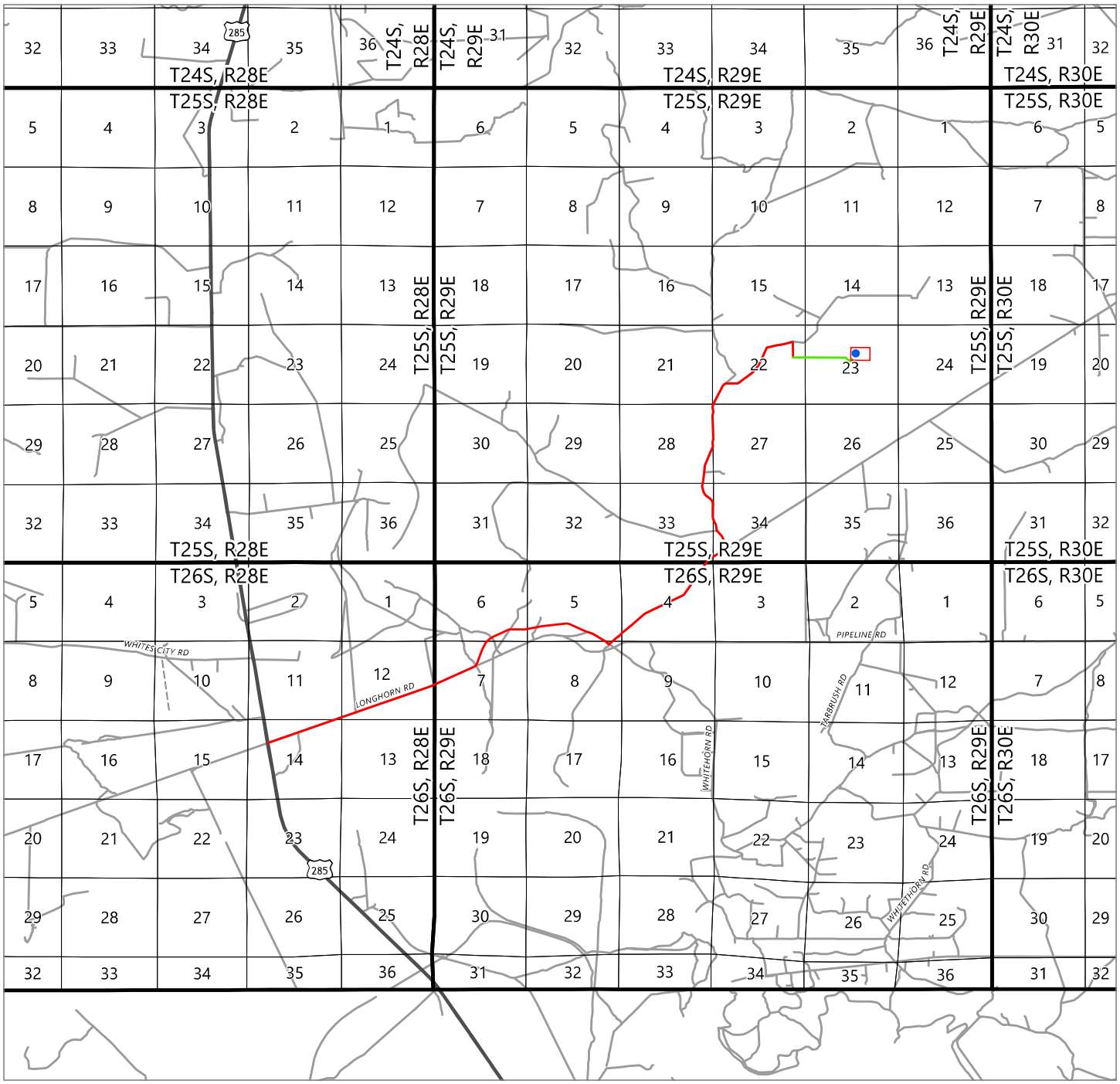
I,MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PREFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR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

Manhard CONSULTING
505 Pecan Street, Ste 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)

REVISION NO.: 2	SHEET: 2 OF 2
DRAWN BY: AI	FIELD CREW: RD
SCALE:	PROJECT NO.: 618.013013.11
CHECKED BY: DB	DATE: 10/24/2024

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\Exhibits\30FT OHE.dwg



DRIVING DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.0 MILE. TURN RIGHT (SOUTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE EAST.

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

N

LEGEND

- CORRAL 23-35 FED COM 302H WELL LOCATION
- PROPOSED WELL PAD
- DRIVING ROUTE
- PROPOSED ACCESS ROAD = 3581'

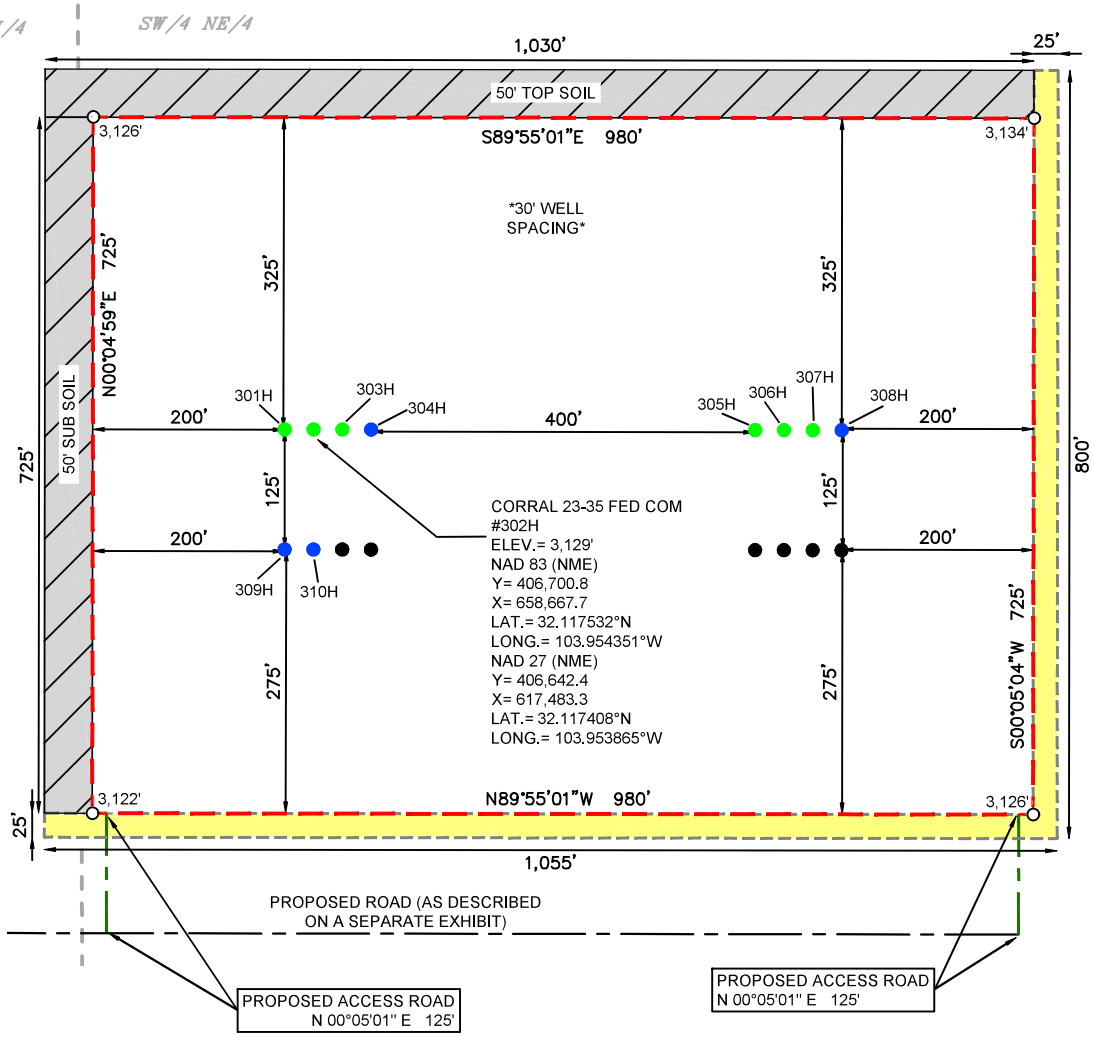
Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
Ph: 972.972.4250 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

A VICINITY MAP FOR XTO ENERGY, INC.
CORRAL 23-35 FED COM 302H

LOCATED 1901 FEET FROM THE NORTH LINE AND 2410 FEET FROM THE EAST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NUMBER:
AR	3/18/2024	1":10,000'	618.013013.11-17
DRAWN BY:	FIELD CREW:	REVISION NUMBER:	SHEET:
RE	RD	1	2 OF 3

P: 618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\11 - Corral Canyon 23 - Eddy\DWG\DRIVING DIRECTIONS\WA_WELLPLAT_PVD\WA_WELLPLAT_PACKAGE.dwg



SECTION 23

OWNER: B.L.M.

TOWNSHIP 25 SOUTH,
RANGE 29 EAST
N.M.P.M.

GRAPHIC SCALE

0 100 200

(IN FEET)

1 inch = 200 ft.

ACREAGE INFORMATION	
PROPOSED PAD	= 16.311 ACRES
TOP SOIL/SUB SOIL	= 2.014 ACRES
TEMPORARY WORKSPACE	= 1.050 ACRES
	TOTAL = 19.375 ACRES

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

DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.0 MILE. TURN RIGHT (SOUTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE EAST.

LEGEND

- SECTION LINE
- TEMPORARY WORKSPACE
- PROPOSED PAD
- PROPOSED ACCESS ROAD
- TBD WELL LOCATION
- PERMITTED CORRAL 23-35 WELL LOCATION
- PERMITTED CORRAL 23-26 WELL LOCATION

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-21732 (Eng)

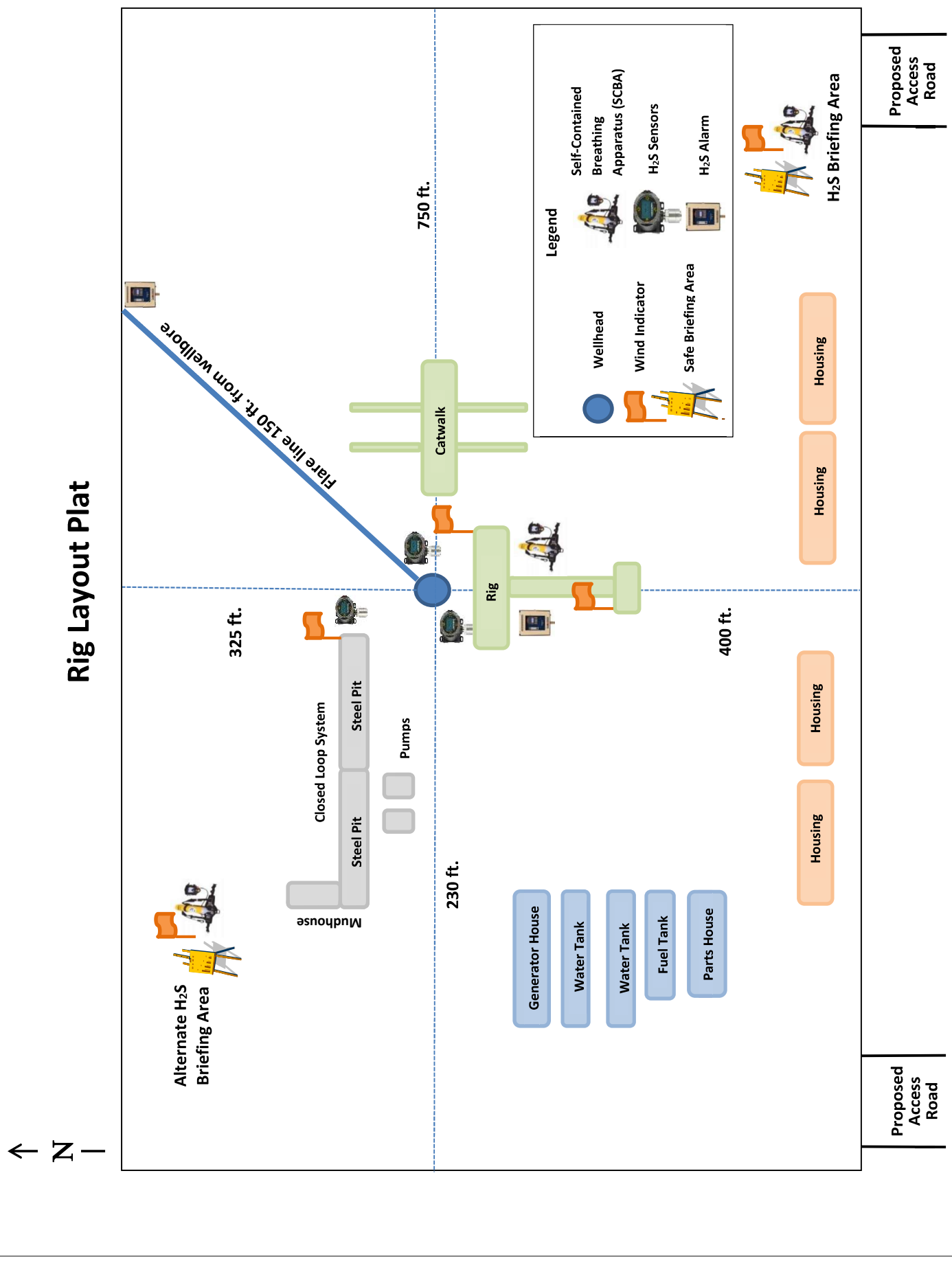
A WELL SITE PLAN FOR XTO ENERGY, INC.
CORRAL CANYON 23 PROPOSED PAD "C"

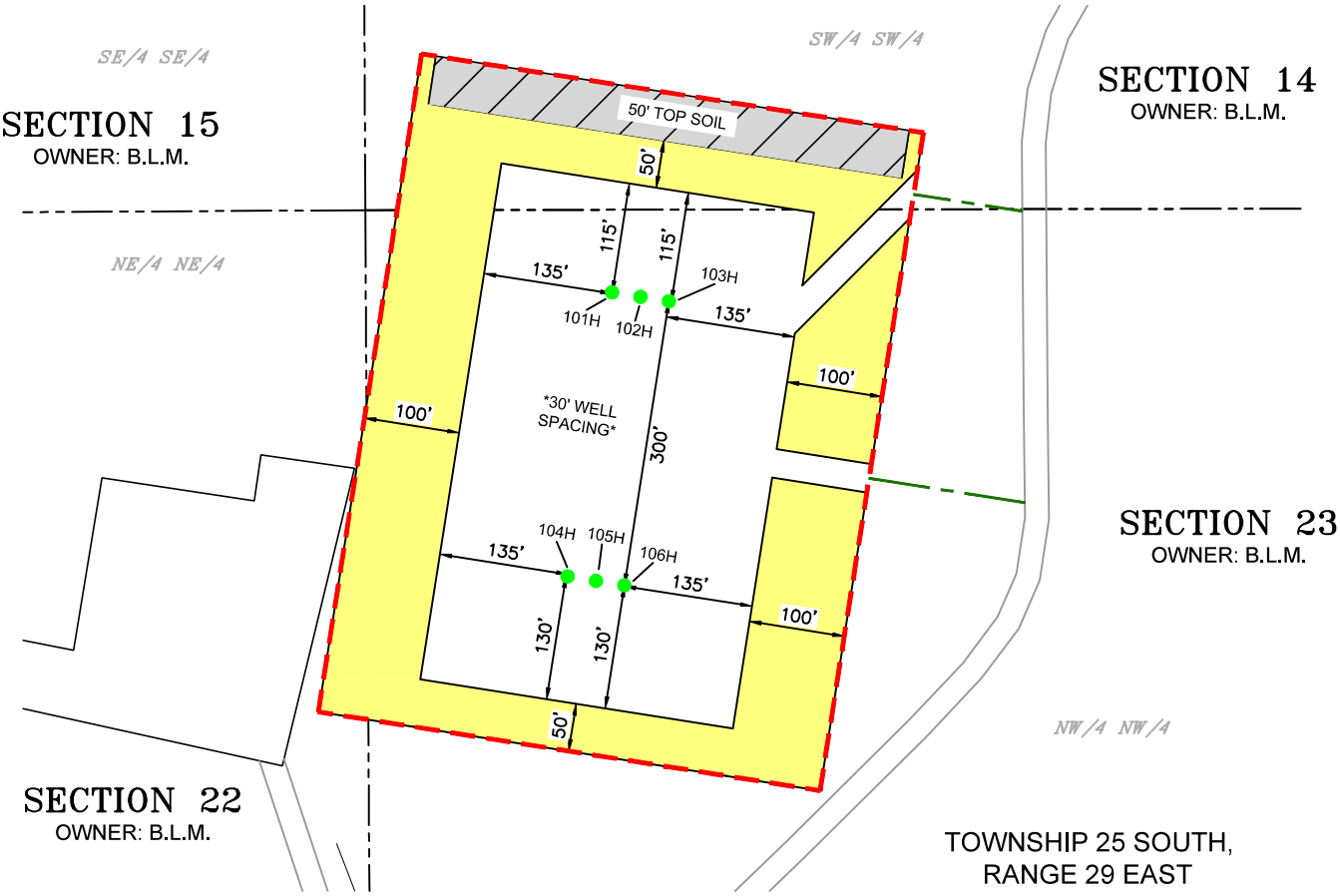
CORRAL 23-35 FED COM 302H IS LOCATED 1,901 FEET FROM THE NORTH LINE AND 2,410 FEET FROM THE EAST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	04/08/2024	1" = 200'	618.013013.11-17
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	1	1 OF 3

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\Wells\-17 - 302H\DWG\PACKET\302H WELL SITE.dwg

Rig Layout Plat





DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.3 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE WEST.

N

ACREAGE INFORMATION		
INITIAL DISTURBED AREA	=	8.458 ACRES
INTERIM RECLAMATION	=	4.142 ACRES
TOTAL PAD ACREAGE AFTER IR	=	4.316 ACRES

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.

LEGEND

- SECTION LINE
- INTERIM RECLAMATION AREA
- PROPOSED PAD
- PROPOSED ACCESS ROAD
- PERMITTED CORRAL 23-35 WELL LOCATION
- EXISTING ROAD
- EXISTING PAD

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

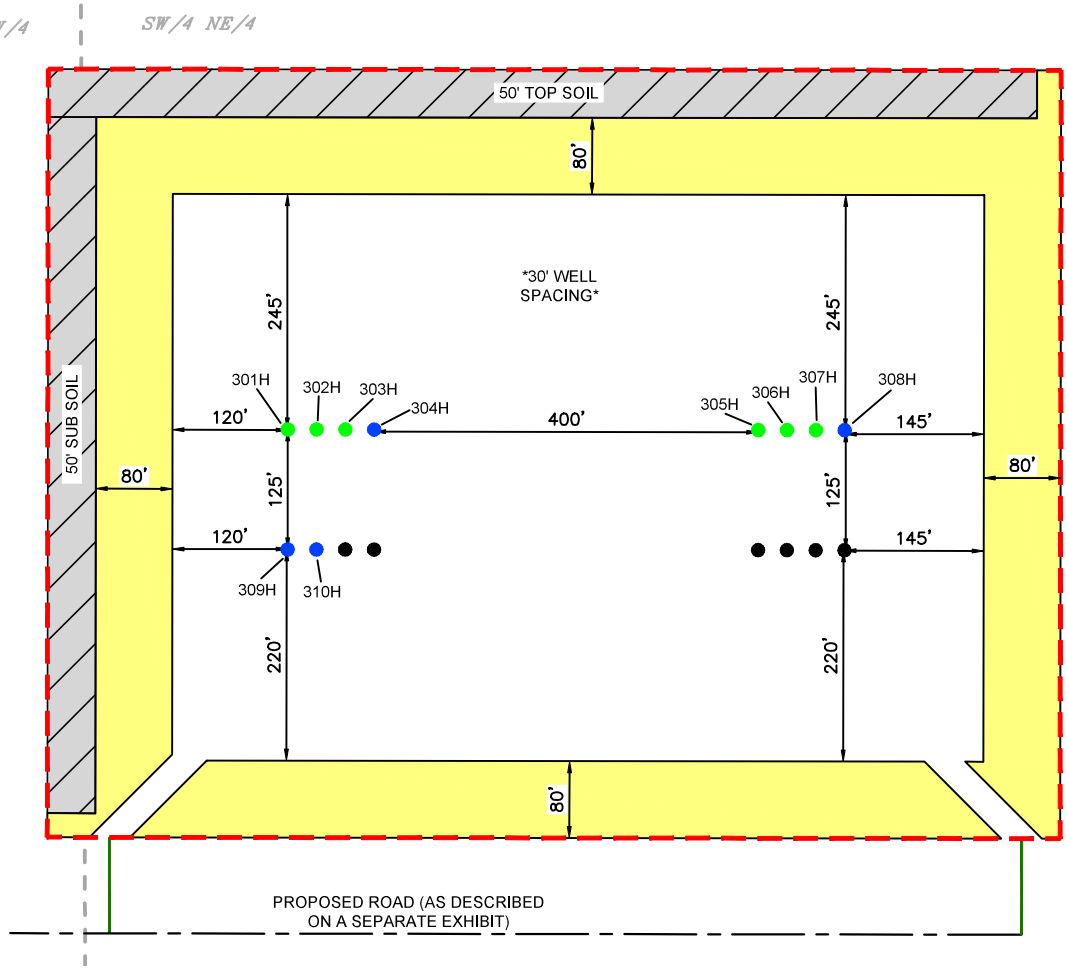
Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

AN INTERIM RECLAMATION DIAGRAM FOR XTO ENERGY, INC. CORRAL CANYON 23 PROPOSED PAD "A"

PAD CENTER IS LOCATED 222 FEET FROM THE NORTH LINE AND 265 FEET FROM THE WEST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	04/18/2024	1" = 200'	618.013013.11
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	NO	1 OF 1

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\To-Client\PAD A INTERIM RECLAMATION.dwg



SECTION 23

OWNER: B.L.M.

TOWNSHIP 25 SOUTH,
RANGE 29 EAST
N.M.P.M.

N

GRAPHIC SCALE

0 100 200

(IN FEET)

1 inch = 200 ft.

ACREAGE INFORMATION	
INITIAL DISTURBED AREA	= 19.375 ACRES
INTERIM RECLAMATION	= 7.774 ACRES
TOTAL PAD ACREAGE AFTER IR	= 11.601 ACRES

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).

DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.0 MILE. TURN RIGHT (SOUTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE EAST.

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
- INTERIM RECLAMATION AREA
- PROPOSED PAD
- PROPOSED ACCESS ROAD
- TBD WELL LOCATION
- PERMITTED CORRAL 23-35 WELL LOCATION
- PERMITTED CORRAL 23-26 WELL LOCATION

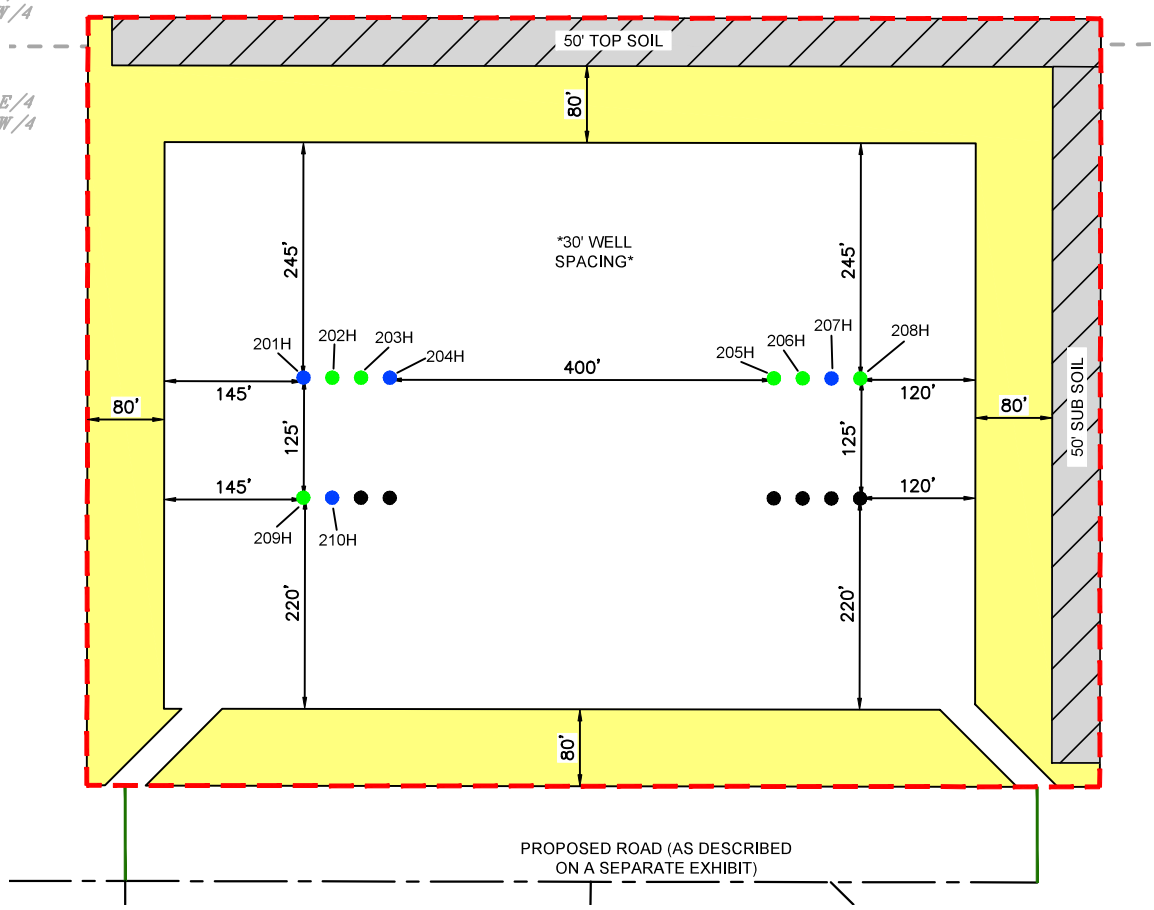
Manhard CONSULTING
505 Pecan Street, Suite 201, Fort Worth, TX 76102
ph: 817.865.5344 manhard.com
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

AN INTERIM RECLAMATION DIAGRAM FOR XTO ENERGY, INC. CORRAL CANYON 23 PROPOSED PAD "C"

PAD CENTER IS LOCATED 1,926 FEET FROM THE NORTH LINE AND 2,163 FEET FROM THE EAST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	04/19/2024	1" = 200'	618.013013.11
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	NO	1 OF 1

P:\618.013 XTO Energy - NM\013 Corral Canyon Unit - Eddy\.11 - Corral Canyon 23 - Eddy\DWG\To-Client\PAD C INTERIM RECLAMATION.dwg



SECTION 23

OWNER: B.L.M.

TOWNSHIP 25 SOUTH,
RANGE 29 EAST
N.M.P.M.

N

GRAPHIC SCALE

0 100 200

(IN FEET)

1 inch = 200 ft.

ACREAGE INFORMATION	
INITIAL DISTURBED AREA	= 19.375 ACRES
INTERIM RECLAMATION	= 7.774 ACRES
TOTAL PAD ACREAGE AFTER IR	= 11.601 ACRES

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).

DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.0 MILE. TURN RIGHT (SOUTH) ON LEASE ROAD AND GO APPROX. 0.2 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE EAST.

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
- INTERIM RECLAMATION AREA
- PROPOSED PAD
- PROPOSED ACCESS ROAD
- TBD WELL LOCATION
- PERMITTED CORRAL 23-35 WELL LOCATION
- PERMITTED CORRAL 23-26 WELL LOCATION

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-21732 (Eng)

AN INTERIM RECLAMATION DIAGRAM FOR XTO ENERGY, INC. CORRAL CANYON 23 PROPOSED PAD "B"

PAD CENTER IS LOCATED 1,699 FEET FROM THE NORTH LINE AND 2,074 FEET FROM THE WEST LINE OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY:	DATE:	SCALE:	PROJECT NO.:
DB	04/19/2024	1" = 200'	618.013013.11
DRAWN BY:	FIELD CREW:	REVISION NO.:	SHEET:
AI	RD	NO	1 OF 1

P:\618.013 XTO Energy – NM\013 Corral Canyon Unit – Eddy\.11 – Corral Canyon 23 – Eddy\DWG\To–Client\PAD B INTERIM RECLAMATION.dwg

Surface Use Plan of Operations

A. The Surface Use Plan of Operations Must:
   1. Access road will be a combination of existing and proposed access to the Corral 23 A, B, and C.
   2. XTO ENERGY, INC. Will provide for safe operations, adequate protection of surface resources, groundwater, and other environmental components.
   3. Interim Reclamation will not be completed for the Drill Island; however, the bulk takeaway line will have interim reclamation completed.
   4. XTO ENERGY, INC. will use the Gold Book standards for Best Management Practices.

Surface Use Plan

1 Existing Roads

a. FROM THE INTERSECTION OF HIGHWAY 285 (PECOS HIGHWAY) AND COUNTY ROAD 725 (LONGHORN ROAD), GO NORTHEAST ON LONGHORN ROAD FOR APPROX. 4.2 MILES. TURN LEFT (NORTHEAST) ON PIPELINE ROAD 1 AND GO APPROX. 1.8 MILES. TURN LEFT (NORTHWEST) ON LEASE ROAD AND GO APPROX. 2.4 MILES. TURN RIGHT (EAST) ON LEASE ROAD AND GO APPROX. 1.3 MILES ARRIVING AT A PROPOSED ROAD AND THE LOCATION IS TO THE WEST.

2 New or Upgraded Access Roads: Proposed Access Roads can be found on the attached document. A total of 7055.84 ft. or 1.34 miles of new road will be necessary to access the Corral 23 A, B, and C pads.

i. **Road Width:** 20’ drivable surface
ii. **Maximum Grade: 3%**
iii. **Crown design: 2% slope**
iv. **Turnouts: NA**
v. **Drainage and ditch design:** The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.
vi. **On-site and off-site erosion control:** Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil
vii. **Revegetation of disturbed areas:** A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.
viii. **Location and size of culverts and/or bridges: NA**
ix. **Fence Cuts**: NA
x. **Major cuts and fills**: NA
xi. **Source and storage of topsoil:** Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road prior to any further

construction activity. The topsoil will be seeded with the proper seed mix designated by the BLM.

xii. **Type of surfacing materials:** Surface material will be native caliche.

3 Location of Existing Wells

a. See attached 1-mile radius well map.

4 Location of existing and/or proposed production facilities.

a. **Production Facilities**.

i. **Facilities:** Production Facilities will be located on the proposed CORRAL CANYON 23 CENTRAL VESSEL BATTERY. The facility is SITUATED IN THE SW/4 OF SECTION 23, TOWNSHIP 25 SOUTH, RANGE 29 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO and is 650'x685'.

ii. **Flowlines:** XTO ENERGY, INC. requests 7778.58 ft. and 100 ft. wide (Approximately 17.64 Acres) of ROW for the proposed flowline.

iii. **Midstream Tie-in:** A proposed Midstream Tie-in is being requested. XTO ENERGY, INC.. Respectfully requests a 110' ROW approximately 3632.14 ft. in length approximately 9.17 Acres.

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

v. **Electrical**. All lines will be primary 12,740 volt to properly run expected production equipment. 7272.02 ft. of electrical will be run from the anticipated tie-in point with a request for 30' ROW construction and maintenance buffer. This distance is a max. approximation and may vary based on lease road corridors, varying elevations and terrain in the area. A plat of the proposed electrical is attached. Reclamation will be completed after the Electrical lines are installed.

5 Location and Types of Water Supply.

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

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

i. Texas pacific water resource

c. Water for drilling, completion and dust control will be supplied by Texas Pacific Water Resources for sale to XTO ENERGY, INC. from Section 13, T17S-R33E, Lea County, New Mexico. In the event that Texas Pacific water resources does not have the appropriate water for XTO ENERGY, INC. at time of drilling and completion, then XTO ENERGY, INC. water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, New Mexico.

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

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

6 Construction Materials.

a. Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities.
b. Any construction material that may be required for surfacing of the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from federal lands without prior approval from the appropriate surface management agency. All roads and well pads will be constructed of 6” rolled and compacted caliche.
c. Anticipated Caliche Locations:
    i. Pit 1: State operated by MEC, Section 32-T25S-R29E, SENE
    ii. Pit 2: State operated by MEC, Section 11-T25S-R29E, SENW

7 Methods for Handling Waste

a. **Cuttings**. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site.
b. **Drilling Fluids**. Drilling fluids will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility.
c. **Produced Fluids**. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.
d. **Sewage**. Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
e. **Garbage and Other Waste Materials.** All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and

removed from the location. No potentially adverse materials or substances will be left on the location.

f. **Debris**. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned and removed from the well location. No potential adverse materials or substances will be left on location.

g. **Hazardous Materials.**

i. All drilling wastes identified as hazardous substances by the Comprehensive Environmental Response Compensation Liability Act (CERCLA) removed from the location and not reused at another drilling location will be disposed of at a hazardous waste facility approved by the U.S. Environmental Protection Agency (EPA).

ii. XTO ENERGY, INC. and its contractors will comply with all applicable Federal, State and local laws and regulations, existing or hereafter enacted promulgated, with regard to any hazardous material, as defined in this paragraph, that will be used, produced, transported or stored on the oil and gas lease. “Hazardous material” means any substance, pollutant or contaminant that is listed as hazardous under the CERCLA of 1980, as amended, 42 U.S.C 9601 et seq., and its regulation. The definition of hazardous substances under CERLCA includes any ‘hazardous waste” as defined in the RCRA of 1976, as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous material also includes any nuclear or nuclear by-product material as defined by the Atomic Energy Act of 1954, as amended, 42 U.C.S. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101 (14) U.S.C. 9601 (14) nor does the term include natural gas.

iii. No hazardous substances or wastes will be stored on the location after completion of the well.

iv. Chemicals brought to location will be on the Toxic Substance Control Act (TSCA) approved inventory list.

v. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in Notice to Lessees (NTL) 3A will be reported to the BLM Carlsbad Field Office. Major events will be reported verbally within 24 hours, followed by a written report within 15 days. “Other than Major Events” will be reported in writing within 15 days.

8 Ancillary facilities: None

9 Well Site Layout

1. **Well Pads**: Pad A will have approximately 8.485 Acres of disturbance; IR will be 4.142 leaving long term disturbance at 4.316 Acres of disturbance. Pad B will have approximately 19.375 Acres of disturbance, IR will be 7.774 leaving long term disturbance at 11.601 Acres of disturbance. Pad C will have approximately 19.375 Acres of disturbance, IR will be 7.774 leaving long term disturbance at 11.601 Acres of disturbance. Interim reclamation plats are attached.
2. **Closed-Loop System**: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.
3. All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad and topsoil storage areas).
4. Well site layout is attached.

10 Plans for Surface Reclamation:

a. Interim reclamation will be completed on all 4 well pads following drilling and completions. Please see the attached IR plats.

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

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

c. *Reclamation Standards*:

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

ii. 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.

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

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

v. 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.

vi. 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.

vii. Seeding:

1. 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.
2. If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to

seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

3. Seed Application. Seeding will be conducted no more than two weeks following completion of final seedbed preparation. A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used.

viii. If the site is harrowed or dragged, seed will be covered by no more than 0.25 inch of soil.

11 Surface Ownership

a. 100% of the Corall 23-3 well pads under the administrative jurisdiction of the Bureau of Land Management.
b. The surface is multiple use with the primary uses of the region for grazing and for the production of oil and gas.

12 Other Information

a. Corral 22-35 & 22-26 Section 23- Township 25 S, R29 E

NAME	N/S FOOTAGE CALL	N/S LINE	E/W FOOTAGE CALL	E/W LINE
Corral 23-35 Fed Com 101H	86	FNL	257	FWL
Corral 23-35 Fed Com 102H	91	FNL	287	FWL
Corral 23-35 Fed Com 103H	96	FNL	316	FWL
Corral 23-35 Fed Com 104H	382	FNL	209	FWL
Corral 23-35 Fed Com 105H	387	FNL	238	FWL
Corral 23-35 Fed Com 106H	392	FNL	268	FWL
Corral 23-26 Fed Com 201H	1,673	FNL	1,771	FWL
Corral 23-35 Fed Com 202H	1,673	FNL	1,801	FWL
Corral 23-35 Fed Com 203H	1,673	FNL	1,831	FWL
Corral 23-26 Fed Com 204H	1,673	FNL	1,861	FWL
Corral 23-35 Fed Com 205H	1,675	FNL	2,261	FWL
Corral 23-35 Fed Com 206H	1,675	FNL	2,291	FWL
Corral 23-26 Fed Com 207H	1,675	FNL	2,321	FWL
Corral 23-35 Fed Com 208H	1,675	FNL	2,351	FWL
Corral 23-35 Fed Com 209H	1,798	FNL	1,770	FWL
Corral 23-26 Fed Com 210H	1,798	FNL	1,800	FWL
Corral 23-35 Fed Com 301H	1,901	FNL	2,440	FEL
Corral 23-35 Fed Com 302H	1,901	FNL	2,410	FEL
Corral 23-35 Fed Com 303H	1,901	FNL	2,380	FEL
Corral 23-26 Fed Com 304H	1,901	FNL	2,350	FEL
Corral 23-35 Fed Com 305H	1,902	FNL	1,950	FEL
Corral 23-35 Fed Com 306H	1,902	FNL	1,920	FEL
Corral 23-35 Fed Com 307H	1,902	FNL	1,890	FEL
Corral 23-26 Fed Com 308H	1,902	FNL	1,860	FEL
Corral 23-26 Fed Com 309H	2,026	FNL	2,440	FEL
Corral 23-26 Fed Com 310H	2,026	FNL	2,410	FEL

b. The XTO ENERGY, INC. representatives and BLM NRS were on location for onsite on 8/10/2023.

Surface:
Robert Bartels
Execution Planner
XTO Energy, Incorporated
6401 Holiday Hill Road, Bldg 5
Midland, Texas 79707
406-478-3617
Robert.e.bartels@exxonmobil.com

AFMSS

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

PWD Data Report
04/09/2025

APD ID: 10400098951 **Submission Date:** 06/08/2024

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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

Section 1 - General

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

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Lined pit Monitor description:

Lined pit Monitor

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

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

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

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

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

TDS lab results:

Geologic and hydrologic

State

Unlined Produced Water Pit Estimated

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

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

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

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

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

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

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

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD discharge volume (bbl/day):

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM **Well Number:** 302H

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

04/09/2025

APD ID: 10400098951

Submission Date: 06/08/2024

Operator Name: XTO ENERGY INCORPORATED

Well Name: CORRAL 23-35 FED COM

Well Number: 302H

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: COB000050

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 453126
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
stubbs	Cement is required to circulate on both surface and intermediate1 strings of casing.	4/17/2025
stubbs	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	4/17/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	6/10/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	6/10/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	6/10/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	6/10/2025