AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 10/06/2023 11:16 AM

APD ID:	10400089190	Well Status:	AAPD
APD Received Date:	11/28/2022 06:53 AM	Well Name:	POKER LAKE UNIT 20 DTD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	323H

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 Taperd String Specs: 2 file(s)
  -- Casing Design Assumptions and Worksheet(s): 3 file(s)
  -- Hydrogen sulfide drilling operations plan: 2 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 1 file(s)
  -- Other Facets: 1 file(s)
  -- Other Variances: 5 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: 4 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.: NMNM02860

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

7. If Unit or CA Agreement, Name and No.: NMNM 071016X

8. Lease Name and Well No.: POKER LAKE UNIT 20 DTD 323H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-54913

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

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

10. Field and Pool, or Exploratory: Gatuna Canyon/Wolfcamp

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

At surface: NWNE / 1027 FNL / 2011 FEL / LAT 32.207597 / LONG -103.901392

At proposed prod. zone: NWNE / 200 FNL / 2310 FEL / LAT 32.268045 / LONG -103.902358

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 20/T24S/R30E/NMP

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

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 1027 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 1280.0

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

19. Proposed Depth: 10709 feet / 31925 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3259 feet

22. Approximate date work will start*: 01/31/2023

23. Estimated duration: 45 days

24. Attachments

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

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

25. Signature: (Electronic Submission)

Name *(Printed/Typed)*: JESSICA DOOLING / Ph: (432) 682-8873

Date: 11/28/2022

Title: Lead Regulatory Coordinator

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

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

Date: 08/15/2023

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: 08/15/2023

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: NWNE / 1027 FNL / 2011 FEL / TWSP: 24S / RANGE: 30E / SECTION: 20 / LAT: 32.207597 / LONG: -103.901392 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 2310 FEL / TWSP: 24S / RANGE: 30E / SECTION: 8 / LAT: 32.2256 / LONG: -103.90233 (TVD: 10709 feet, MD: 16400 feet)

PPP: SWSE / 100 FSL / 2310 FEL / TWSP: 24S / RANGE: 30E / SECTION: 17 / LAT: 32.21069 / LONG: -103.902351 (TVD: 10709 feet, MD: 11100 feet)

PPP: SWSE / 330 FSL / 2310 FEL / TWSP: 24S / RANGE: 30E / SECTION: 5 / LAT: 32.2399 / LONG: -103.90233 (TVD: 10709 feet, MD: 21700 feet)

BHL: NWNE / 200 FNL / 2310 FEL / TWSP: 23S / RANGE: 30E / SECTION: 32 / LAT: 32.268045 / LONG: -103.902358 (TVD: 10709 feet, MD: 31925 feet)

BLM Point of Contact

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

Review and Appeal Rights

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

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
LEASE NO.:	NMNM0002860 & NMLC0068905
COUNTY:	Eddy

Wells:

Poker Lake Unit 20 DTD #109H: PAD A – B1 Surface Hole Location: 830' FWL & 824' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 230' FWL & 1,700' FNL, Section 8, T. 24 S. R. 30 E.

Poker Lake Unit 20 DTD #110H: PAD A – B2 Surface Hole Location: 860' FWL & 824' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 770' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #111H: PAD A – B3 Surface Hole Location: 890' FWL & 824' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,110' FWL & 1,700' FNL, Section 8, T. 24 S. R. 30 E.

Poker Lake Unit 20 DTD #112H: PAD A – B4 Surface Hole Location: 920' FWL & 824' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,430' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #121H: PAD A – C5 Surface Hole Location: 1,320' FWL & 899' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 330' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #122H: PAD A – C6 Surface Hole Location: 1,350' FWL & 899' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 770' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #123H: PAD A – C7 Surface Hole Location: 1,380' FWL & 899' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,210' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #124H: PAD A – C8 Surface Hole Location: 1,410' FWL & 899' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,650' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #217H: PAD B – C1 Surface Hole Location: 1,810' FWL & 965' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 550' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #218H: PAD B – C2 Surface Hole Location: 1,840' FWL & 965' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 990' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #219H: PAD B – C3 Surface Hole Location: 1,870' FWL & 965' FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,870' FWL & 200' FNL, Section 32, T. 23 S. R. 30 E.

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Poker Lake Unit 20 DTD #220H: PAD B – C4 Surface Hole Location: 1,900’ FWL & 965’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,310’ FWL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #221H: PAD B – C5 Surface Hole Location: 2,300’ FWL & 965’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 3302,530’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #222H: PAD B – C6 Surface Hole Location: 2,330’ FWL & 965’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,650’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #223H: PAD B – C7 Surface Hole Location: 2,360’ FWL & 965’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,210’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #224H: PAD B – C8 Surface Hole Location: 2.390’ FWL & 965’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 770’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #309H: PAD C – B1 Surface Hole Location: 2,562’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,990’ FWL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #310H: PAD C – B2 Surface Hole Location: 2,532’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,530’ FWL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #311H: PAD C – B3 Surface Hole Location: 2,502’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,410’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #312H: PAD C – B4 Surface Hole Location: 2,472’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,090’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #321H: PAD C – C5 Surface Hole Location: 2,071’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,090’ FWL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #322H: PAD C – C6 Surface Hole Location: 2,041’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,530’ FWL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #323H: PAD C – C7 Surface Hole Location: 2,011’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 2,310’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #324H: PAD C – C8 Surface Hole Location: 1,981’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,870’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

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Poker Lake Unit 20 DTD #409H: PAD D – B1 Surface Hole Location: 1,097’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,530’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #410H: PAD D – B2 Surface Hole Location: 1,067’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 990’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #411H: PAD D – B3 Surface Hole Location: 1,037’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 650’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #412H: PAD D – B4 Surface Hole Location: 1,007’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #421H: PAD D – C5 Surface Hole Location: 607’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 1,430’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #422H: PAD D – C6 Surface Hole Location: 577’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 990’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #423H: PAD D – C7 Surface Hole Location: 547’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 550’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Poker Lake Unit 20 DTD #424H: PAD D – C8 Surface Hole Location: 517’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: 110’ FEL & 200’ FNL, Section 32, T. 23 S. R. 30 E.

Future Well 1: PAD A – A1 Surface Hole Location: 830’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 2: PAD A – A2 Surface Hole Location: 860’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 3: PAD A – A3 Surface Hole Location: 890’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 4: PAD A – A4 Surface Hole Location: 920’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 5: PAD A – A5 Surface Hole Location: 1,320’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 6: PAD A – A6 Surface Hole Location: 1,350’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 7: PAD A – A7 Surface Hole Location: 1,380’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 8: PAD A – A8 Surface Hole Location: 1,410’ FWL & 749’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 9: PAD A – B5 Surface Hole Location: 1,320’ FWL & 824’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 10: PAD A – B6 Surface Hole Location: 1,350’ FWL & 824’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 11: PAD A – B7 Surface Hole Location: 1,380’ FWL & 824’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 12: PAD A – B8 Surface Hole Location: 1,410’ FWL & 824’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 13: PAD A – C1 Surface Hole Location: 830’ FWL & 899’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 14: PAD A – C2 Surface Hole Location: 860’ FWL & 899’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 15: PAD A – C3 Surface Hole Location: 890’ FWL & 899’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 16: PAD A – C4 Surface Hole Location: 920’ FWL & 899’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 17: PAD B – A1 Surface Hole Location: 1,810’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 18: PAD B – A2 Surface Hole Location: 1,840’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 19: PAD B – A3 Surface Hole Location: 1,870’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 20: PAD B – A4 Surface Hole Location: 1,900’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 21: PAD B – A5 Surface Hole Location: 2,300’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 22: PAD B – A6 Surface Hole Location: 2,330’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 23: PAD B – A7 Surface Hole Location: 2,360’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 24: PAD B – A8 Surface Hole Location: 2,390’ FWL & 815’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

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Future Well 25: PAD B – B1 Surface Hole Location: 1,810’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 26: PAD B – B2 Surface Hole Location: 1,840’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 27: PAD B – B3 Surface Hole Location: 1,870’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 28: PAD B – B4 Surface Hole Location: 1,900’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 29: PAD B – B5 Surface Hole Location: 2,300’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 30: PAD B – B6 Surface Hole Location: 2,330’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 31: PAD B – B7 Surface Hole Location: 2,360’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 32: PAD B – B8 Surface Hole Location: 2,390’ FWL & 890’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 33: PAD C – A1 Surface Hole Location: 2,562’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 34: PAD C – A2 Surface Hole Location: 2,532’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 35: PAD C – A3 Surface Hole Location: 2,502’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 36: PAD C – A4 Surface Hole Location: 2,472’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 37: PAD C – A5 Surface Hole Location: 2,072’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 38: PAD C – A6 Surface Hole Location: 2,042’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 39: PAD C – A7 Surface Hole Location: 2,012’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 40: PAD C – A8 Surface Hole Location: 1,982’ FEL & 877’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 41: PAD C – B5 Surface Hole Location: 2,072’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

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Future Well 42: PAD C – B6 Surface Hole Location: 2,042’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 43: PAD C – B7 Surface Hole Location: 2,012’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 44: PAD C – B8 Surface Hole Location: 1,982’ FEL & 952’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 45: PAD C – C1 Surface Hole Location: 2,561’ FWL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 46: PAD C – C2 Surface Hole Location: 2,531’ FWL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 47: PAD C – C3 Surface Hole Location: 2,501’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 48: PAD C – C4 Surface Hole Location: 2,471’ FEL & 1,027’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 49: PAD D – A1 Surface Hole Location: 1,098’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 50: PAD D – A2 Surface Hole Location: 1,068’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 51: PAD D – A3 Surface Hole Location: 1,038’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 52: PAD D – A4 Surface Hole Location: 1,008’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 53: PAD D – A5 Surface Hole Location: 608’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 54: PAD D – A6 Surface Hole Location: 578’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 55: PAD D – A7 Surface Hole Location: 548’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 56: PAD D – A8 Surface Hole Location: 518’ FEL & 282’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 57: PAD D – B5 Surface Hole Location: 607’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 58: PAD D – B6 Surface Hole Location: 577’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

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Future Well 59: PAD D – B7 Surface Hole Location: 547’ FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 60: PAD D – B8 Surface Hole Location: 517 FEL & 357’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 61: PAD D – C1 Surface Hole Location: 1,097’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 62: PAD D – C2 Surface Hole Location: 1,067’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 63: PAD D – C3 Surface Hole Location: 1,037’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

Future Well 64: PAD D – C4 Surface Hole Location: 1,007’ FEL & 432’ FNL, Section 20, T. 24 S. R. 30 E. Bottom Hole Location: To Be Determined

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

I. GENERAL PROVISIONS

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

II. PERMIT EXPIRATION

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

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

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

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

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

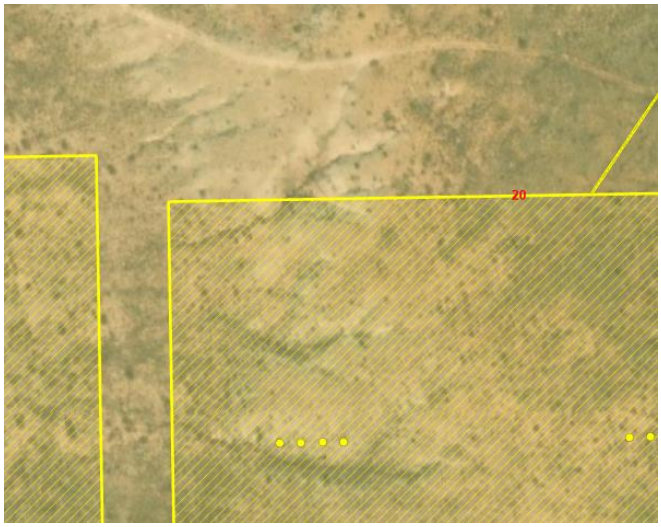
IV. NOXIOUS WEEDS

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

V. SPECIAL REQUIREMENT(S)

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

The Poker Lake Unit 20 DTD: 217H, 218H, 219H, 220H, 221H, 222H, 223H, 224H pad will need to have erosion control in place to on the northwest corner of the pad due to existing gullies and significant slope. See attached picture below of the area of concern.



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

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

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

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

Range:

Cattleguards
Where a permanent cattlegaurd 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.

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).

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.

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).

Short-term mitigation measures include painting all above-ground structures that are not subject to safety requirements (including meter housing) Shale Green, which is a flat non-reflective paint color listed in the BLM Standard Environmental Color Chart (CC-001: June 2013). Long-term mitigation measures include the removal of wells and associated infrastructure following abandonment (end of cost-effective production). Previously impacted areas will be reclaimed by removing structures and caliche pads, returning disturbed areas to natural grade, and revegetating with an approved BLM seed mixture; thereby eliminating visual impacts.

VI. CONSTRUCTION

A. NOTIFICATION

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

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

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

D. FEDERAL MINERAL MATERIALS PIT

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

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

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

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. ON LEASE ACCESS ROADS

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

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

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

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

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

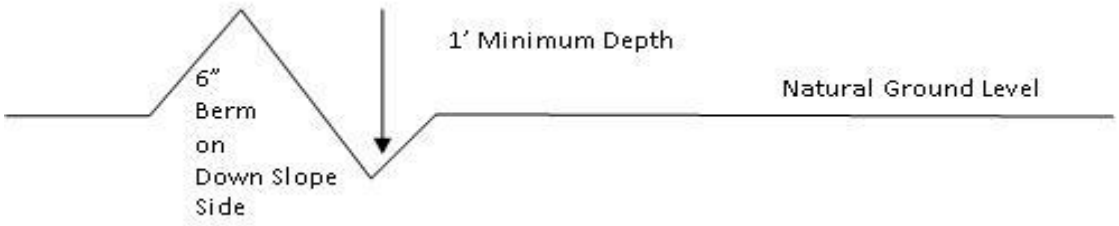
Ditching
Ditching shall be required on both sides of the road.

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

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

Cattle guards
An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

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

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

Construction Steps

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

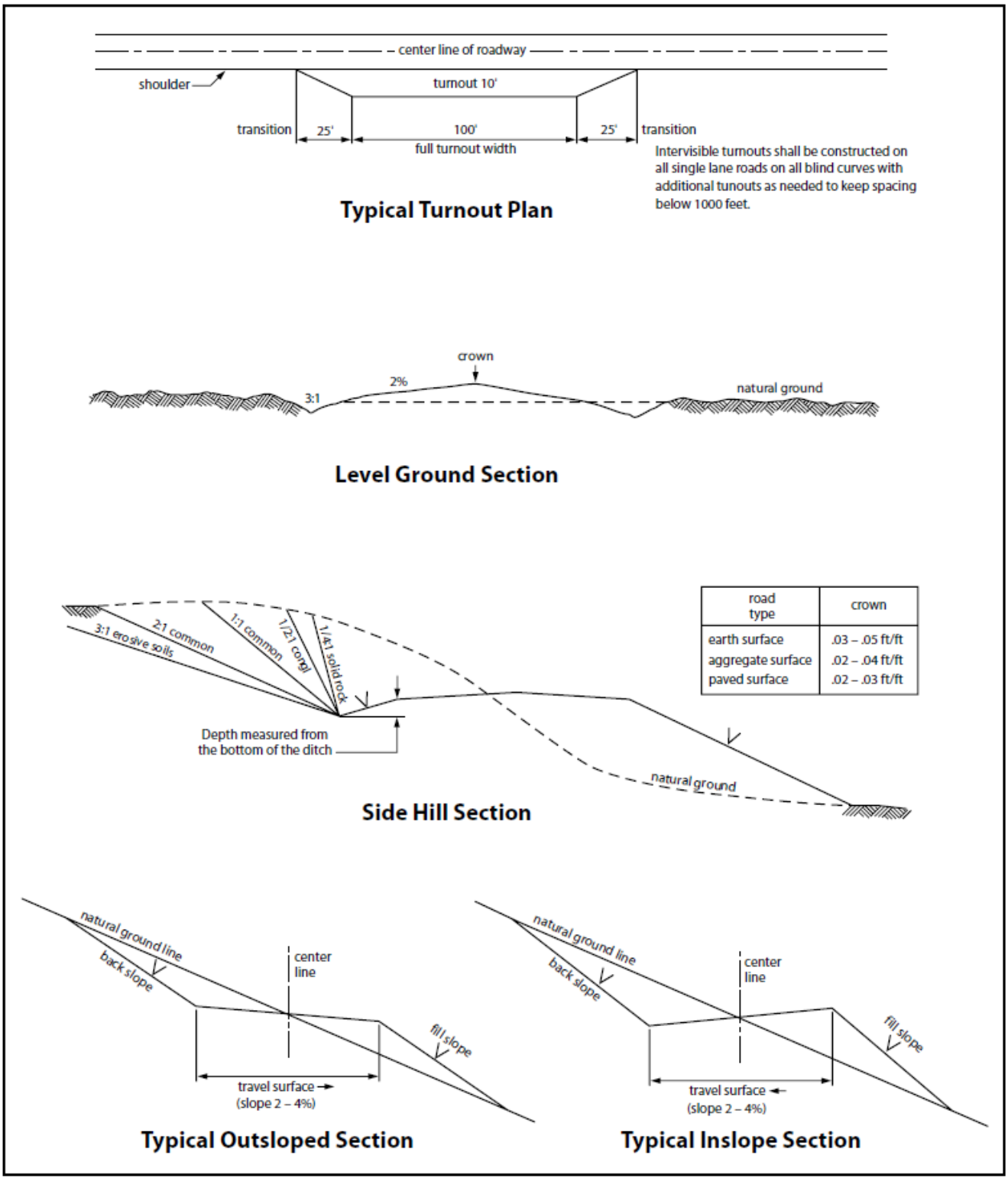


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

Approval Date: 08/15/2023

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

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

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

B. PIPELINES

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

BURIED PIPELINE STIPULATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

15. The 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.

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

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

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the Grant 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.

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

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

2. Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Holder 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 right-of-way or on facilities authorized under this right-of-way grant (*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. Holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. § 9601, *et seq*. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, *et seq*.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way Holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way Holder on the Right-of-Way. This provision applies without regard to whether a release is caused by Holder, its agent, or unrelated third parties.

4. Holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. Holder 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 right-of-way or permit area:

a. Activities of Holder 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 should be 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 Holder, regardless of fault. Upon failure of Holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he/she 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 Holder. Such action by the Authorized Officer shall not relieve Holder of any responsibility as provided herein.

6. All construction and maintenance activity shall be confined to the authorized right-of-way width of **30** feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline shall be installed no farther than 10 feet from the edge of the road or buried pipeline right-of-way. 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 right-of-ways.

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

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

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

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder 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 right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder 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.

C. ELECTRIC LINES

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

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

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

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

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

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

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

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

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

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

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

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

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

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

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

VIII. INTERIM RECLAMATION

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

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

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

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

Seed Mixture 2, for Sandy Sites

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

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

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

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

*Pounds of pure live seed:

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

Approval Date: 08/15/2023

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 20 DTD 323H
LOCATION:	Sec 20-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

COA

H_2S	○ No	○ Yes		
Potash / WIPP	◉ None	○ Secretary	○ R-111-P	☐ WIPP
Cave / Karst	◉ Low	○ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter	☐ DV Tool
Special Req	☑ Break Testing	☐ Water Disposal	☐ COM	☑ Unit
Variance	☑ Flex Hose	☐ Casing Clearance	☐ Pilot Hole	☐ Capitan Reef
Variance	☐ Four-String	☑ Offline Cementing	☐ Fluid-Filled	☐ Open Annulus
☐ **Batch APD / Sundry**				

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 Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately 762 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

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

include the lead cement)

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

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

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

3. The minimum required fill of cement behind the **6** 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)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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

GENERAL REQUIREMENTS

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

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

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

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - 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.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 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. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

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, 2) until cement has been in place at least 24

hours. WOC time will be recorded in the driller's log. The casing intergrity 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-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

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:

    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. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
    e. 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.

    a. 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).

    b. 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.)

    c. 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 part 3170 Subpart 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 water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. 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.

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

f. 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.

g. 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.

h. 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 part 3170 Subpart 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.

Approval Date: 08/15/2023

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

Operator Certification Data Report

10/06/2023

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:** 11/26/2022

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
10/06/2023

APD ID: 10400089190
Submission Date: 11/28/2022
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 20 DTD
Well Number: 323H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400089190
Tie to previous NOS? N
Submission Date: 11/28/2022
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: NMNM02860
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? YES
Federal or Indian agreement: FEDERAL
Agreement number: NMNM71016X
Agreement name:
Keep application confidential? N
Permitting Agent? NO
APD Operator: XTO PERMIAN OPERATING LLC
Operator letter of

Operator Info

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

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: POKER LAKE UNIT 20 DTD
Well Number: 323H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: Gatuna Canyon
Pool Name: Wolfcamp

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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

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

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** PLU 20 DTD **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:** 1027 FT

Reservoir well spacing assigned acres Measurement: 1280 Acres

Well plat: PLU_20_DTD_323H_C102_20230721060234.pdf

Well work start Date: 01/31/2023 **Duration:** 45 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

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

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	1027	FNL	2011	FEL	24S	30E	20	Aliquot NWNE	32.207597	-103.901392	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	3259	0	0	Y
KOP Leg #1	1027	FNL	2011	FEL	24S	30E	20	Aliquot NWNE	32.207597	-103.901392	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	-7016	10300	10275	Y
PPP Leg #1-1	100	FSL	2310	FEL	24S	30E	17	Aliquot SWSE	32.21069	-103.902351	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 02860	-7450	11100	10709	Y

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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	330	FSL	2310	FEL	24S	30E	8	Aliquot SWSE	32.2256	-103.90233	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC068431	-7450	16400	10709	Y
PPP Leg #1-3	330	FSL	2310	FEL	24S	30E	5	Aliquot SWSE	32.2399	-103.90233	EDDY	NEW MEXICO	NEW MEXICO	F	NMLC068430	-7450	21700	10709	Y
EXIT Leg #1	330	FNL	2310	FEL	23S	30E	32	Aliquot NWNE	32.267687	-103.90258	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7450	31900	10709	Y
BHL Leg #1	200	FNL	2310	FEL	23S	30E	32	Aliquot NWNE	32.268045	-103.90258	EDDY	NEW MEXICO	NEW MEXICO	S	STATE	-7450	31925	10709	Y

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-	98220	Purple Sage; Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 20 DTD	323H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,259'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	24 S	30 E		1,027	NORTH	2,011	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	23 S	30 E		200	NORTH	2,310	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
1279.82			

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

[16]

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	439,526.5	Y =	461,385.1
X =	674,932.0	X =	674,545.7
LAT. =	32.207597 °N	LAT. =	32.267687 °N
LONG. =	103.901392 °W	LONG. =	103.902358 °W
FTP (NAD83 NME)		BHL (NAD83 NME)	
Y =	440,650.2	Y =	461,515.1
X =	674,631.0	X =	674,545.1
LAT. =	32.210690 °N	LAT. =	32.268045 °N
LONG. =	103.902351 °W	LONG. =	103.902358 °W

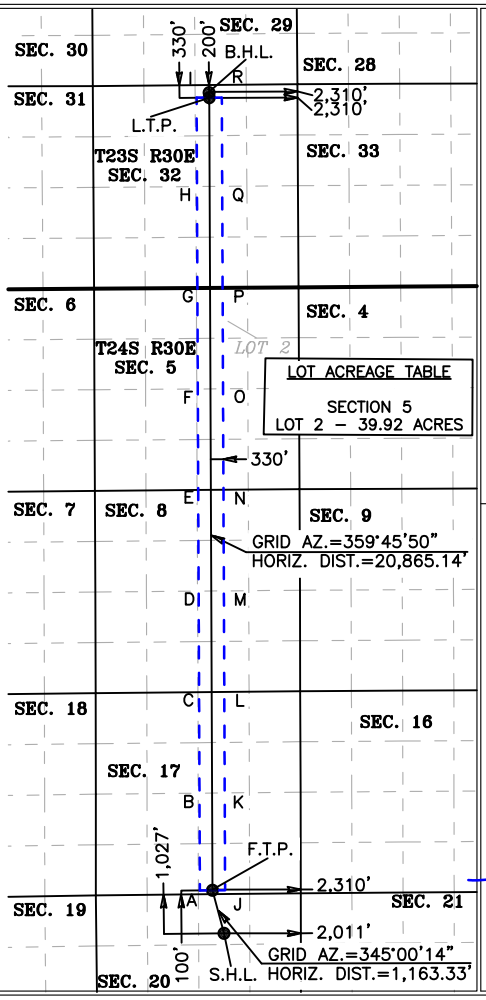
CORNER COORDINATES (NAD83 NME)

A - Y =	440,546.3 N	X =	674,262.0 E
B - Y =	443,191.1 N	X =	674,257.0 E
C - Y =	445,833.9 N	X =	674,252.0 E
D - Y =	448,476.6 N	X =	674,239.9 E
E - Y =	451,121.5 N	X =	674,227.8 E
F - Y =	453,764.5 N	X =	674,219.4 E
G - Y =	456,405.4 N	X =	674,211.1 E
H - Y =	459,059.1 N	X =	674,193.6 E
I - Y =	461,711.4 N	X =	674,176.0 E
J - Y =	440,560.2 N	X =	675,601.6 E
K - Y =	443,204.1 N	X =	675,596.9 E
L - Y =	445,846.1 N	X =	675,588.5 E
M - Y =	448,488.1 N	X =	675,579.2 E
N - Y =	451,132.3 N	X =	675,567.6 E
O - Y =	453,774.2 N	X =	675,557.3 E
P - Y =	456,414.3 N	X =	675,547.0 E
Q - Y =	459,070.5 N	X =	675,530.5 E
R - Y =	461,725.1 N	X =	675,515.0 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	439,467.2	Y =	461,325.3
X =	633,748.3	X =	633,362.8
LAT. =	32.207473 °N	LAT. =	32.267563 °N
LONG. =	103.900905 °W	LONG. =	103.901868 °W
FTP (NAD27 NME)		BHL (NAD27 NME)	
Y =	440,590.9	Y =	461,455.3
X =	633,447.3	X =	633,362.1
LAT. =	32.210565 °N	LAT. =	32.267920 °N
LONG. =	103.901863 °W	LONG. =	103.901868 °W

CORNER COORDINATES (NAD27 NME)

A - Y =	440,487.1 N	X =	633,078.3 E
B - Y =	443,131.7 N	X =	633,073.4 E
C - Y =	445,774.5 N	X =	633,068.5 E
D - Y =	448,417.1 N	X =	633,056.5 E
E - Y =	451,061.9 N	X =	633,044.5 E
F - Y =	453,704.8 N	X =	633,036.2 E
G - Y =	456,345.7 N	X =	633,028.0 E
H - Y =	458,999.4 N	X =	633,010.5 E
I - Y =	461,651.5 N	X =	632,993.1 E
J - Y =	440,500.9 N	X =	634,417.9 E
K - Y =	443,144.8 N	X =	634,413.3 E
L - Y =	445,786.6 N	X =	634,405.0 E
M - Y =	448,428.6 N	X =	634,395.7 E
N - Y =	451,072.8 N	X =	634,384.3 E
O - Y =	453,714.6 N	X =	634,374.0 E
P - Y =	456,354.6 N	X =	634,363.8 E
Q - Y =	459,010.7 N	X =	634,347.4 E
R - Y =	461,665.2 N	X =	634,332.0 E



[17] OPERATOR CERTIFICATION

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

Jessica Dooling 7/20/2023
Signature Date

Jessica Dooling
Printed Name

jessica.dooling@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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.

03-09-2022
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number AW 2022020158

AFMSS

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

Drilling Plan Data Report

10/06/2023

APD ID: 10400089190 **Submission Date:** 11/28/2022

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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
11959990	QUATERNARY	3259	0	0	ALLUVIUM	USEABLE WATER	N
11959991	RUSTLER	2736	523	523	ANHYDRITE, SANDSTONE	USEABLE WATER	N
11959992	TOP SALT	2397	862	862	POTASH, SALT	POTASH	N
11959993	BASE OF SALT	-124	3383	3383	POTASH, SALT	POTASH	N
11959994	DELAWARE	-297	3556	3556	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, USEABLE WATER	N
11959995	BONE SPRING	-4165	7424	7424	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, USEABLE WATER	N
11959996	WOLFCAMP	-7412	10671	10671	SANDSTONE, SHALE	NATURAL GAS, OIL, USEABLE WATER	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M **Rating Depth:** 10709

Equipment: Once the permanent WH is installed on the 13.375 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8 minimum 5M Hydril and a 13-5/8 minimum 5M Double Ram BOP. MASP should not exceed 4173 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors. XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells. A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to ONLY retest broken

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

Testing Procedure: All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 13.375, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling up on the 9.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

Choke Diagram Attachment:

PLU_20_DTD_5MCM_20220802094944.pdf

BOP Diagram Attachment:

PLU_20_DTD_5MBOP_20220802094954.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	762	0	762	3259	2497	762	J-55	54.5	BUTT	3.28	12.64	DRY	20.54	DRY	20.54
2	INTERMEDIATE	12.25	9.625	NEW	API	Y	0	10100	0	10100	3295	-6841	10100	HCL-80	40	BUTT	1.33	1.42	DRY	3.75	DRY	3.75
3	PRODUCTION	8.5	6.0	NEW	API	Y	0	31925	0	10709	3295	-7450	31925	P-110	26	OTHER - SEMI-PREMIUM	2.12	1.17	DRY	4.07	DRY	4.07

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_20_DTD_323H_Csg_20221114054352.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_20_DTD_323H_Csg_20221114054612.pdf

Casing Design Assumptions and Worksheet(s):

PLU_20_DTD_323H_Csg_20221114054625.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_20_DTD_323H_Csg_20221114054748.pdf

Casing Design Assumptions and Worksheet(s):

PLU_20_DTD_323H_Csg_20221114054754.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	762	340	1.87	12.9	635.8	100	EconoCem-HLTRRC	None
SURFACE	Tail		0	762	300	1.35	14.8	405	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	10100	2230	1.35	14.8	3010.5	100	Class C	None
INTERMEDIATE	Tail		0	10100	2030	1.33	14.8	2699.9	100	Class C	None
PRODUCTION	Lead		0	31925	40	2.69	11.5	107.6	20	NeoCem	None

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		0	31925	3680	1.51	13.2	5556.8	20	VersaCem	None

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

Describe the mud monitoring system utilized: Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg -10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	762	OTHER : FreshWater/Native	8.7	9.2							Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg -10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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
											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.
762	10100	OTHER : FW / Cut Brine / Direct Emulsion	9.7	10.2							Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg -10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.
10100	31925	OIL-BASED MUD	11.5	12							Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg -10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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 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.

Section 6 - Test, Logging, Coring

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

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

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

GAMMA RAY LOG,CEMENT BOND LOG,MEASUREMENT WHILE DRILLING,DIRECTIONAL SURVEY,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: 6404 **Anticipated Surface Pressure:** 4048

Anticipated Bottom Hole Temperature(F): 190

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

PLU_20_DTD_H2S_Plan_20220804034431.pdf
PLU_20_DTD_H2S_DiaC_20221114065750.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU_20_DTD_323H_DD_20221114060254.pdf

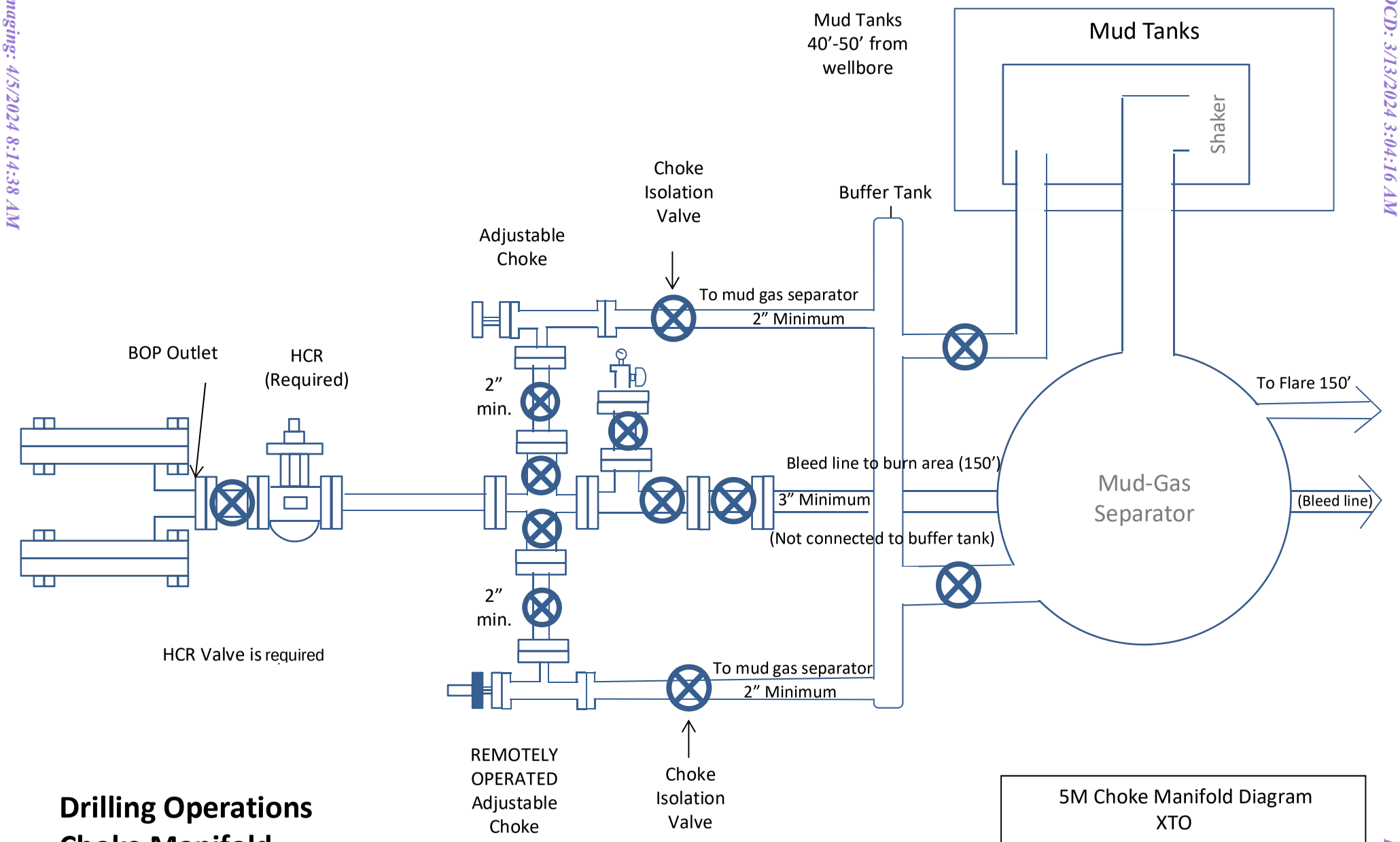
Other proposed operations facets description:

Other proposed operations facets attachment:

PLU_20_DTD_323H_Cmt_20221114060304.pdf

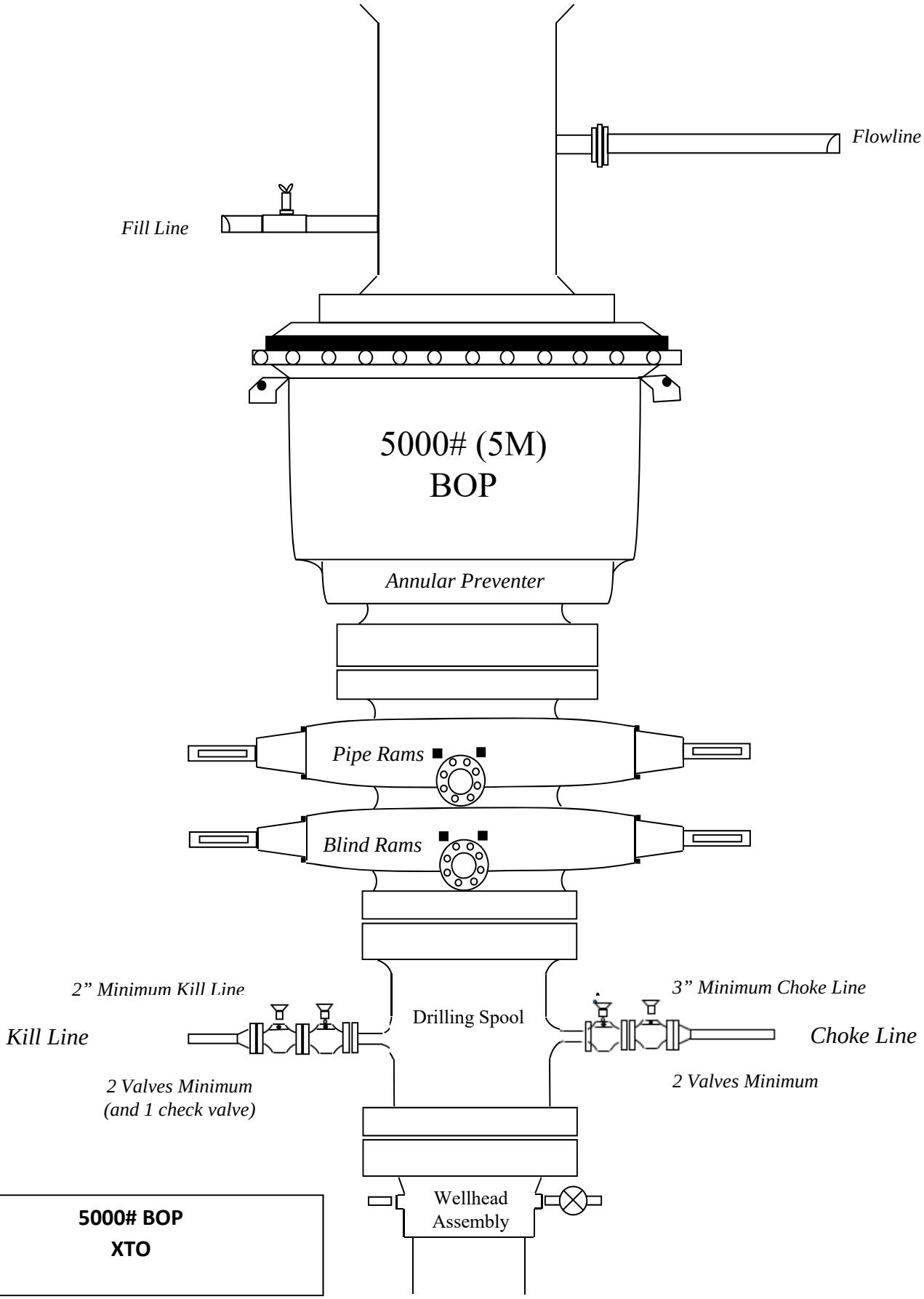
Other Variance attachment:

PLU_20_DTD_BOP_BTV_20220804035447.pdf
PLU_20_DTD_FH_20220804035428.pdf
PLU_20_DTD_MBS_20220804035500.pdf
PLU_20_DTD_OLCV_20220804035446.pdf
PLU_20_DTD_Spud_20220804035427.pdf



Drilling Operations
Choke Manifold
5M Service

5M Choke Manifold Diagram
XTO


Flowline
Fill Line
5000# (5M)
BOP
Annular Preventer
Pipe Rams
Blind Rams
2" Minimum Kill Line
3" Minimum Choke Line
Kill Line
Drilling Spool
Choke Line
2 Valves Minimum
(and 1 check valve)
2 Valves Minimum
Wellhead
Assembly

5000# BOP
XTO

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0’ – 762'	13.375	54.5	J-55	BTC	New	12.64	3.28	20.54
12.25	0’ – 4000'	9.625	40	HC P-110	BTC	New	1.95	2.10	3.12
12.25	4000' – 10100'	9.625	40	HC L-80	BTC	New	1.42	1.33	3.75
8.5	0’ – 10000'	6	26	RY P-110	Semi-Premium	New	1.17	2.27	1.76
8.5	10000' - 10450'	6	26	RY P-110	Semi-Premium	New	1.17	2.17	3.85
8.5	10450' - 31925'	6	26	RY P-110	Semi-Premium	New	1.17	2.12	4.07

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0’ – 762'	13.375	54.5	J-55	BTC	New	12.64	3.28	20.54
12.25	0’ – 4000'	9.625	40	HC P-110	BTC	New	1.95	2.10	3.12
12.25	4000' – 10100'	9.625	40	HC L-80	BTC	New	1.42	1.33	3.75
8.5	0’ – 10000'	6	26	RY P-110	Semi-Premium	New	1.17	2.27	1.76
8.5	10000' - 10450'	6	26	RY P-110	Semi-Premium	New	1.17	2.17	3.85
8.5	10450' - 31925'	6	26	RY P-110	Semi-Premium	New	1.17	2.12	4.07

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0’ – 762'	13.375	54.5	J-55	BTC	New	12.64	3.28	20.54
12.25	0’ – 4000'	9.625	40	HC P-110	BTC	New	1.95	2.10	3.12
12.25	4000' – 10100'	9.625	40	HC L-80	BTC	New	1.42	1.33	3.75
8.5	0’ – 10000'	6	26	RY P-110	Semi-Premium	New	1.17	2.27	1.76
8.5	10000' - 10450'	6	26	RY P-110	Semi-Premium	New	1.17	2.17	3.85
8.5	10450' - 31925'	6	26	RY P-110	Semi-Premium	New	1.17	2.12	4.07

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0’ – 762'	13.375	54.5	J-55	BTC	New	12.64	3.28	20.54
12.25	0’ – 4000'	9.625	40	HC P-110	BTC	New	1.95	2.10	3.12
12.25	4000' – 10100'	9.625	40	HC L-80	BTC	New	1.42	1.33	3.75
8.5	0’ – 10000'	6	26	RY P-110	Semi-Premium	New	1.17	2.27	1.76
8.5	10000' - 10450'	6	26	RY P-110	Semi-Premium	New	1.17	2.17	3.85
8.5	10450' - 31925'	6	26	RY P-110	Semi-Premium	New	1.17	2.12	4.07

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 762'	13.375	54.5	J-55	BTC	New	12.64	3.28	20.54
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.95	2.10	3.12
12.25	4000' – 10100'	9.625	40	HC L-80	BTC	New	1.42	1.33	3.75
8.5	0' – 10000'	6	26	RY P-110	Semi-Premium	New	1.17	2.27	1.76
8.5	10000' - 10450'	6	26	RY P-110	Semi-Premium	New	1.17	2.17	3.85
8.5	10450' - 31925'	6	26	RY P-110	Semi-Premium	New	1.17	2.12	4.07

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:

Kendall Decker, Drilling Manager	903-521-6477
Milton Turman, Drilling Superintendent	817-524-5107
Jeff Raines, Construction Foreman	432-557-3159
Toady Sanders, EH & S Manager	903-520-1601
Wes McSpadden, Production Foreman	575-441-1147

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:

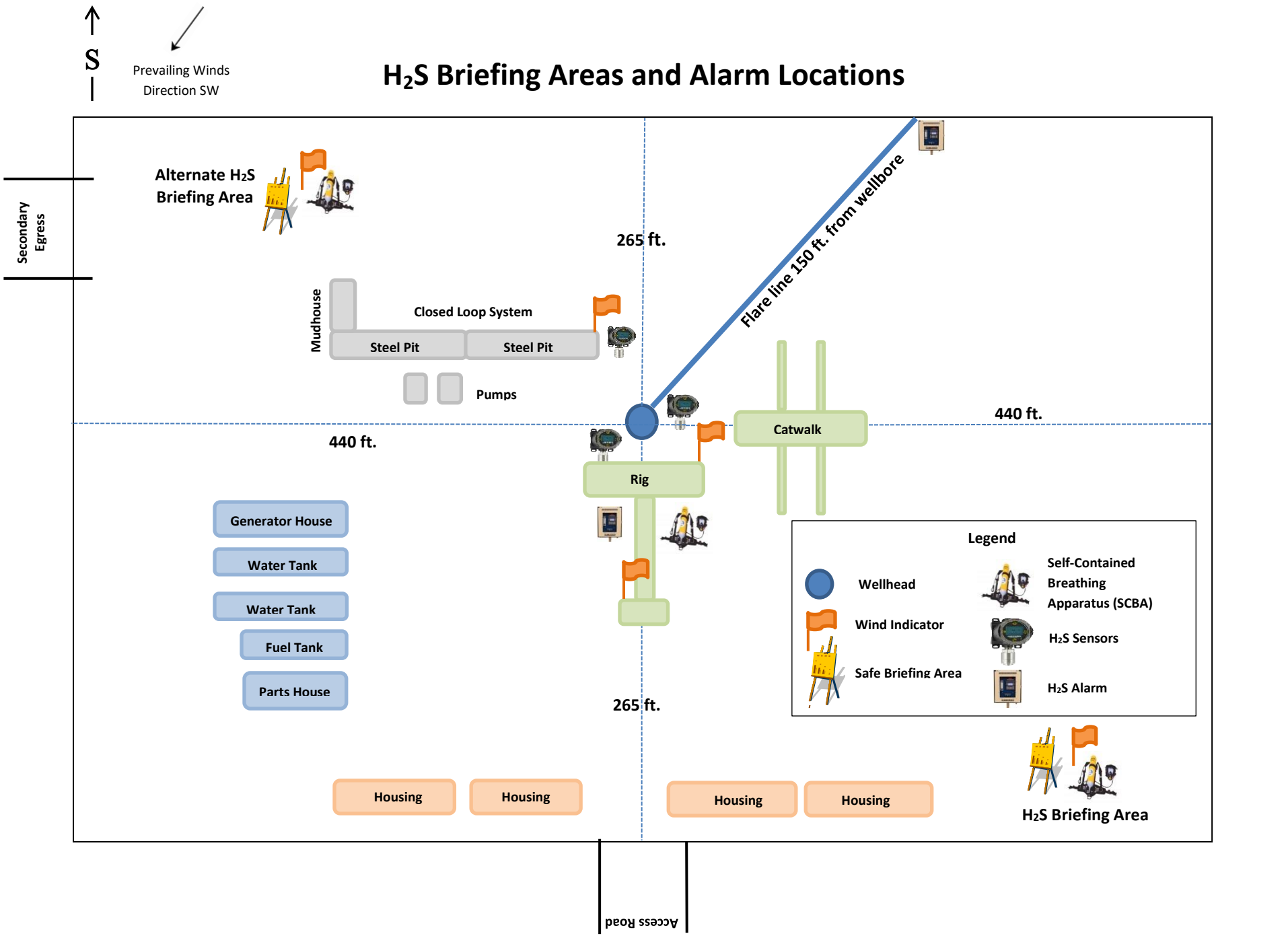
For Lea County:

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

H_2S Briefing Areas and Alarm Locations



XTO Energy

Eddy County, NM (NAD-27)
POKER LAKE UNIT 20 DTD
323H

Wellbore #1

Plan: PERMIT

Standard Planning Report

04 April, 2022

Project: Eddy County, NM (NAD-27)
Site: POKER LAKE UNIT 20 DTD
Well: 323H
Wellbore: Wellbore #1
Design: PERMIT

PROJECT DETAILS: Eddy County, NM (NAD-27)

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

WELL DETAILS: 323H

Rig Name: TBD
GL @ 3259.00usft (TBD)
Ground Level: 3259.00

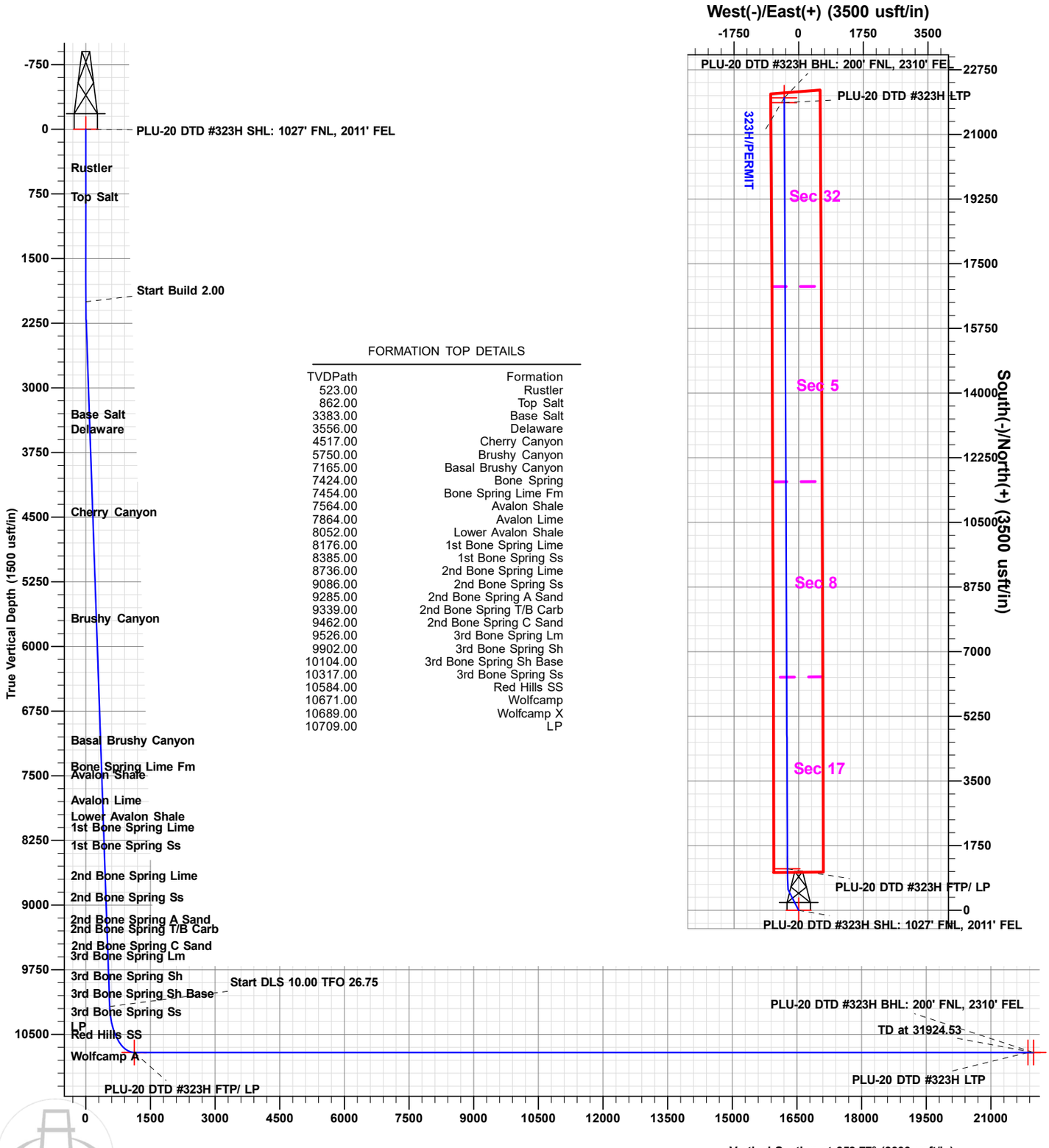
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.00	0.00	439467.20	633748.30	32.2074729	-103.9009051

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2219.51	4.39	333.09	2219.29	7.50	-3.80	2.00	333.09	7.51	
4	10199.18	4.39	333.09	10175.55	552.16	-280.28	0.00	0.00	553.28	
5	11059.96	90.00	359.77	10709.00	1123.70	-301.00	10.00	26.75	1124.90	PLU-20 DTD #323H FTP/ LP
6	31794.53	90.00	359.77	10709.00	21858.10	-385.67	0.00	0.00	21859.47	PLU-20 DTD #323H LTP
7	31924.53	90.00	359.77	10709.00	21988.10	-386.20	0.00	0.00	21989.47	PLU-20 DTD #323H BHL: 200' FNL, 2310' FEL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PLU-20 DTD #323H SHL: 1027' FNL, 2011' FEL	0.00	0.00	0.00	439467.20	633748.30	32.2074729	-103.9009051	Point
PLU-20 DTD #323H BHL: 200' FNL, 2310' FEL	10709.00	21988.10	-386.20	461455.30	633362.10	32.2679205	-103.9018681	Point
PLU-20 DTD #323H FTP/ LP	10709.00	1123.70	-301.00	440590.90	633447.30	32.2105652	-103.9018636	Point
PLU-20 DTD #323H LTP	10709.00	21858.10	-385.50	461325.30	633362.80	32.2675631	-103.9018675	Point



FORMATION TOP DETAILS

TVDPath	Formation
523.00	Rustler
862.00	Top Salt
3383.00	Base Salt
3556.00	Delaware
4517.00	Cherry Canyon
5750.00	Brushy Canyon
7165.00	Basal Brushy Canyon
7424.00	Bone Spring
7454.00	Bone Spring Lime Fm
7564.00	Avalon Shale
7864.00	Avalon Lime
8052.00	Lower Avalon Shale
8176.00	1st Bone Spring Lime
8385.00	1st Bone Spring Ss
8736.00	2nd Bone Spring Lime
9086.00	2nd Bone Spring Ss
9285.00	2nd Bone Spring A Sand
9339.00	2nd Bone Spring T/B Carb
9462.00	2nd Bone Spring C Sand
9526.00	3rd Bone Spring Lm
9902.00	3rd Bone Spring Sh
10104.00	3rd Bone Spring Sh Base
10317.00	3rd Bone Spring Ss
10584.00	Red Hills SS
10671.00	Wolfcamp
10689.00	Wolfcamp X
10709.00	LP

Plan: PERMIT (323H/Wellbore #1)
Created By: MATTHEW MAY Date: 10:52, April 04 2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-		

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 20 DTD	323H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,259'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	24 S	30 E		1,027	NORTH	2,011	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	23 S	30 E		200	NORTH	2,310	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.

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

[16]

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	439,526.5	Y =	461,385.1
X =	674,932.0	X =	674,545.7
LAT. =	32.207597 °N	LAT. =	32.267687 °N
LONG. =	103.901392 °W	LONG. =	103.902358 °W
FTP (NAD83 NME)		BHL (NAD83 NME)	
Y =	440,650.2	Y =	461,515.1
X =	674,631.0	X =	674,545.1
LAT. =	32.210690 °N	LAT. =	32.268045 °N
LONG. =	103.902351 °W	LONG. =	103.902358 °W

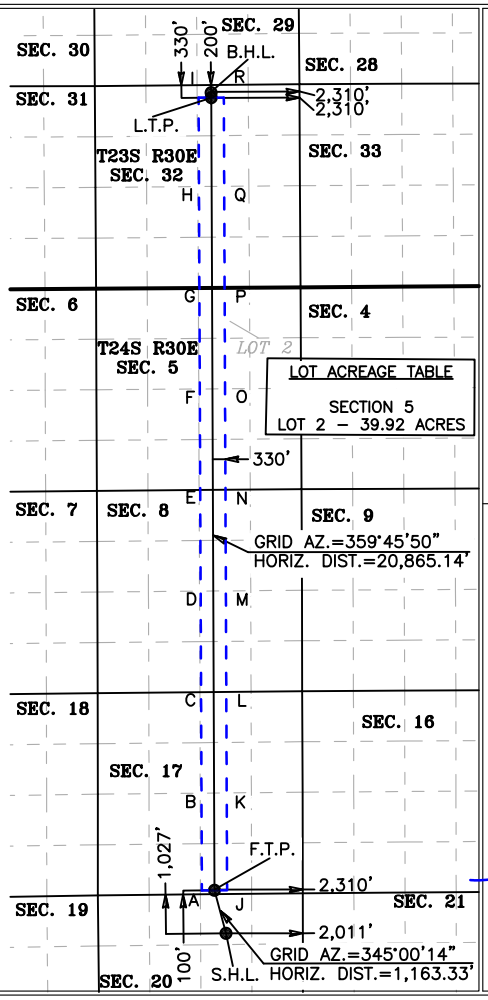
CORNER COORDINATES (NAD83 NME)

A - Y =	440,546.3 N	X =	674,262.0 E
B - Y =	443,191.1 N	X =	674,257.0 E
C - Y =	445,833.9 N	X =	674,252.0 E
D - Y =	448,476.6 N	X =	674,239.9 E
E - Y =	451,121.5 N	X =	674,227.8 E
F - Y =	453,764.5 N	X =	674,219.4 E
G - Y =	456,405.4 N	X =	674,211.1 E
H - Y =	459,059.1 N	X =	674,193.6 E
I - Y =	461,711.4 N	X =	674,176.0 E
J - Y =	440,560.2 N	X =	675,601.6 E
K - Y =	443,204.1 N	X =	675,596.9 E
L - Y =	445,846.1 N	X =	675,588.5 E
M - Y =	448,488.1 N	X =	675,579.2 E
N - Y =	451,132.3 N	X =	675,567.6 E
O - Y =	453,774.2 N	X =	675,557.3 E
P - Y =	456,414.3 N	X =	675,547.0 E
Q - Y =	459,070.5 N	X =	675,530.5 E
R - Y =	461,725.1 N	X =	675,515.0 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	439,467.2	Y =	461,325.3
X =	633,748.3	X =	633,362.8
LAT. =	32.207473 °N	LAT. =	32.267563 °N
LONG. =	103.900905 °W	LONG. =	103.901868 °W
FTP (NAD27 NME)		BHL (NAD27 NME)	
Y =	440,590.9	Y =	461,455.3
X =	633,447.3	X =	633,362.1
LAT. =	32.210565 °N	LAT. =	32.267920 °N
LONG. =	103.901863 °W	LONG. =	103.901868 °W

CORNER COORDINATES (NAD27 NME)

A - Y =	440,487.1 N	X =	633,078.3 E
B - Y =	443,131.7 N	X =	633,073.4 E
C - Y =	445,774.5 N	X =	633,068.5 E
D - Y =	448,417.1 N	X =	633,056.5 E
E - Y =	451,061.9 N	X =	633,044.5 E
F - Y =	453,704.8 N	X =	633,036.2 E
G - Y =	456,345.7 N	X =	633,028.0 E
H - Y =	458,999.4 N	X =	633,010.5 E
I - Y =	461,651.5 N	X =	632,993.1 E
J - Y =	440,500.9 N	X =	634,417.9 E
K - Y =	443,144.8 N	X =	634,413.3 E
L - Y =	445,786.6 N	X =	634,405.0 E
M - Y =	448,428.6 N	X =	634,395.7 E
N - Y =	451,072.8 N	X =	634,384.3 E
O - Y =	453,714.6 N	X =	634,374.0 E
P - Y =	456,354.6 N	X =	634,363.8 E
Q - Y =	459,010.7 N	X =	634,347.4 E
R - Y =	461,665.2 N	X =	634,332.0 E



[17] OPERATOR CERTIFICATION

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

Signature Date

Printed Name

E-mail Address

[18] SURVEYOR CERTIFICATION

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.

03-09-2022
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number AW 2022020158

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Project Eddy County, NM (NAD-27)

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

Site POKER LAKE UNIT 20 DTD

Site Position:		**Northing:**	439,643.90 usft	**Latitude:**	32.2079862
From:	Map	**Easting:**	631,236.30 usft	**Longitude:**	-103.9090243
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.23 °

Well 323H

Well Position	**+N/-S**	-176.70 usft	**Northing:**	439,467.20 usft	**Latitude:**	32.2074729
	+E/-W	2,512.00 usft	**Easting:**	633,748.30 usft	**Longitude:**	-103.9009050
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,259.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	04/04/22	6.60	59.81	47,368

Design PERMIT

Audit Notes:

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

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.77

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,219.51	4.39	333.09	2,219.29	7.50	-3.80	2.00	2.00	0.00	333.09	
10,199.18	4.39	333.09	10,175.55	552.16	-280.28	0.00	0.00	0.00	0.00	
11,059.96	90.00	359.77	10,709.00	1,123.70	-301.00	10.00	9.95	3.10	26.75	PLU-20 DTD #323H
31,794.53	90.00	359.77	10,709.00	21,858.10	-385.67	0.00	0.00	0.00	0.00	PLU-20 DTD #323H
31,924.53	90.00	359.77	10,709.00	21,988.10	-386.20	0.00	0.00	0.00	0.00	PLU-20 DTD #323H

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
523.00	0.00	0.00	523.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
862.00	0.00	0.00	862.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	333.09	2,099.98	1.56	-0.79	1.56	2.00	2.00	0.00
2,200.00	4.00	333.09	2,199.84	6.22	-3.16	6.24	2.00	2.00	0.00
2,219.51	4.39	333.09	2,219.29	7.50	-3.80	7.51	2.00	2.00	0.00
2,300.00	4.39	333.09	2,299.55	12.99	-6.59	13.02	0.00	0.00	0.00
2,400.00	4.39	333.09	2,399.26	19.82	-10.06	19.86	0.00	0.00	0.00
2,500.00	4.39	333.09	2,498.96	26.64	-13.52	26.69	0.00	0.00	0.00
2,600.00	4.39	333.09	2,598.67	33.47	-16.99	33.53	0.00	0.00	0.00
2,700.00	4.39	333.09	2,698.38	40.29	-20.45	40.37	0.00	0.00	0.00
2,800.00	4.39	333.09	2,798.08	47.12	-23.92	47.21	0.00	0.00	0.00
2,900.00	4.39	333.09	2,897.79	53.94	-27.38	54.05	0.00	0.00	0.00
3,000.00	4.39	333.09	2,997.50	60.77	-30.85	60.89	0.00	0.00	0.00
3,100.00	4.39	333.09	3,097.20	67.60	-34.31	67.73	0.00	0.00	0.00
3,200.00	4.39	333.09	3,196.91	74.42	-37.78	74.57	0.00	0.00	0.00
3,300.00	4.39	333.09	3,296.62	81.25	-41.24	81.41	0.00	0.00	0.00
3,386.64	4.39	333.09	3,383.00	87.16	-44.24	87.34	0.00	0.00	0.00
Base Salt									
3,400.00	4.39	333.09	3,396.32	88.07	-44.71	88.25	0.00	0.00	0.00
3,500.00	4.39	333.09	3,496.03	94.90	-48.17	95.09	0.00	0.00	0.00
3,560.15	4.39	333.09	3,556.00	99.00	-50.25	99.20	0.00	0.00	0.00
Delaware									
3,600.00	4.39	333.09	3,595.73	101.72	-51.63	101.93	0.00	0.00	0.00
3,700.00	4.39	333.09	3,695.44	108.55	-55.10	108.77	0.00	0.00	0.00
3,800.00	4.39	333.09	3,795.15	115.37	-58.56	115.61	0.00	0.00	0.00
3,900.00	4.39	333.09	3,894.85	122.20	-62.03	122.45	0.00	0.00	0.00
4,000.00	4.39	333.09	3,994.56	129.03	-65.49	129.29	0.00	0.00	0.00
4,100.00	4.39	333.09	4,094.27	135.85	-68.96	136.13	0.00	0.00	0.00
4,200.00	4.39	333.09	4,193.97	142.68	-72.42	142.97	0.00	0.00	0.00
4,300.00	4.39	333.09	4,293.68	149.50	-75.89	149.81	0.00	0.00	0.00
4,400.00	4.39	333.09	4,393.39	156.33	-79.35	156.65	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,500.00	4.39	333.09	4,493.09	163.15	-82.82	163.49	0.00	0.00	0.00
4,523.98	4.39	333.09	4,517.00	164.79	-83.65	165.13	0.00	0.00	0.00
Cherry Canyon									
4,600.00	4.39	333.09	4,592.80	169.98	-86.28	170.33	0.00	0.00	0.00
4,700.00	4.39	333.09	4,692.51	176.81	-89.75	177.17	0.00	0.00	0.00
4,800.00	4.39	333.09	4,792.21	183.63	-93.21	184.00	0.00	0.00	0.00
4,900.00	4.39	333.09	4,891.92	190.46	-96.68	190.84	0.00	0.00	0.00
5,000.00	4.39	333.09	4,991.63	197.28	-100.14	197.68	0.00	0.00	0.00
5,100.00	4.39	333.09	5,091.33	204.11	-103.61	204.52	0.00	0.00	0.00
5,200.00	4.39	333.09	5,191.04	210.93	-107.07	211.36	0.00	0.00	0.00
5,300.00	4.39	333.09	5,290.75	217.76	-110.54	218.20	0.00	0.00	0.00
5,400.00	4.39	333.09	5,390.45	224.59	-114.00	225.04	0.00	0.00	0.00
5,500.00	4.39	333.09	5,490.16	231.41	-117.46	231.88	0.00	0.00	0.00
5,600.00	4.39	333.09	5,589.87	238.24	-120.93	238.72	0.00	0.00	0.00
5,700.00	4.39	333.09	5,689.57	245.06	-124.39	245.56	0.00	0.00	0.00
5,760.60	4.39	333.09	5,750.00	249.20	-126.49	249.71	0.00	0.00	0.00
Brushy Canyon									
5,800.00	4.39	333.09	5,789.28	251.89	-127.86	252.40	0.00	0.00	0.00
5,900.00	4.39	333.09	5,888.99	258.71	-131.32	259.24	0.00	0.00	0.00
6,000.00	4.39	333.09	5,988.69	265.54	-134.79	266.08	0.00	0.00	0.00
6,100.00	4.39	333.09	6,088.40	272.37	-138.25	272.92	0.00	0.00	0.00
6,200.00	4.39	333.09	6,188.11	279.19	-141.72	279.76	0.00	0.00	0.00
6,300.00	4.39	333.09	6,287.81	286.02	-145.18	286.60	0.00	0.00	0.00
6,400.00	4.39	333.09	6,387.52	292.84	-148.65	293.44	0.00	0.00	0.00
6,500.00	4.39	333.09	6,487.23	299.67	-152.11	300.28	0.00	0.00	0.00
6,600.00	4.39	333.09	6,586.93	306.49	-155.58	307.12	0.00	0.00	0.00
6,700.00	4.39	333.09	6,686.64	313.32	-159.04	313.96	0.00	0.00	0.00
6,800.00	4.39	333.09	6,786.35	320.15	-162.51	320.80	0.00	0.00	0.00
6,900.00	4.39	333.09	6,886.05	326.97	-165.97	327.64	0.00	0.00	0.00
7,000.00	4.39	333.09	6,985.76	333.80	-169.44	334.48	0.00	0.00	0.00
7,100.00	4.39	333.09	7,085.47	340.62	-172.90	341.31	0.00	0.00	0.00
7,179.77	4.39	333.09	7,165.00	346.07	-175.66	346.77	0.00	0.00	0.00
Basal Brushy Canyon									
7,200.00	4.39	333.09	7,185.17	347.45	-176.36	348.15	0.00	0.00	0.00
7,300.00	4.39	333.09	7,284.88	354.27	-179.83	354.99	0.00	0.00	0.00
7,400.00	4.39	333.09	7,384.59	361.10	-183.29	361.83	0.00	0.00	0.00
7,439.53	4.39	333.09	7,424.00	363.80	-184.66	364.54	0.00	0.00	0.00
Bone Spring									
7,469.62	4.39	333.09	7,454.00	365.85	-185.71	366.59	0.00	0.00	0.00
Bone Spring Lime Fm									
7,500.00	4.39	333.09	7,484.29	367.93	-186.76	368.67	0.00	0.00	0.00
7,579.94	4.39	333.09	7,564.00	373.38	-189.53	374.14	0.00	0.00	0.00
Avalon Shale									
7,600.00	4.39	333.09	7,584.00	374.75	-190.22	375.51	0.00	0.00	0.00
7,700.00	4.39	333.09	7,683.71	381.58	-193.69	382.35	0.00	0.00	0.00
7,800.00	4.39	333.09	7,783.41	388.40	-197.15	389.19	0.00	0.00	0.00
7,880.83	4.39	333.09	7,864.00	393.92	-199.95	394.72	0.00	0.00	0.00
Avalon Lime									
7,900.00	4.39	333.09	7,883.12	395.23	-200.62	396.03	0.00	0.00	0.00
8,000.00	4.39	333.09	7,982.83	402.05	-204.08	402.87	0.00	0.00	0.00
8,069.38	4.39	333.09	8,052.00	406.79	-206.49	407.62	0.00	0.00	0.00
Lower Avalon Shale									
8,100.00	4.39	333.09	8,082.53	408.88	-207.55	409.71	0.00	0.00	0.00

XTO ENERGY

Planning Report

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Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,193.74	4.39	333.09	8,176.00	415.28	-210.80	416.12	0.00	0.00	0.00
1st Bone Spring Lime									
8,200.00	4.39	333.09	8,182.24	415.71	-211.01	416.55	0.00	0.00	0.00
8,300.00	4.39	333.09	8,281.95	422.53	-214.48	423.39	0.00	0.00	0.00
8,400.00	4.39	333.09	8,381.65	429.36	-217.94	430.23	0.00	0.00	0.00
8,403.36	4.39	333.09	8,385.00	429.59	-218.06	430.46	0.00	0.00	0.00
1st Bone Spring Ss									
8,500.00	4.39	333.09	8,481.36	436.18	-221.41	437.07	0.00	0.00	0.00
8,600.00	4.39	333.09	8,581.06	443.01	-224.87	443.91	0.00	0.00	0.00
8,700.00	4.39	333.09	8,680.77	449.83	-228.34	450.75	0.00	0.00	0.00
8,755.39	4.39	333.09	8,736.00	453.62	-230.26	454.54	0.00	0.00	0.00
2nd Bone Spring Lime									
8,800.00	4.39	333.09	8,780.48	456.66	-231.80	457.59	0.00	0.00	0.00
8,900.00	4.39	333.09	8,880.18	463.49	-235.27	464.43	0.00	0.00	0.00
9,000.00	4.39	333.09	8,979.89	470.31	-238.73	471.27	0.00	0.00	0.00
9,100.00	4.39	333.09	9,079.60	477.14	-242.19	478.11	0.00	0.00	0.00
9,106.42	4.39	333.09	9,086.00	477.58	-242.42	478.54	0.00	0.00	0.00
2nd Bone Spring Ss									
9,200.00	4.39	333.09	9,179.30	483.96	-245.66	484.95	0.00	0.00	0.00
9,300.00	4.39	333.09	9,279.01	490.79	-249.12	491.78	0.00	0.00	0.00
9,306.01	4.39	333.09	9,285.00	491.20	-249.33	492.20	0.00	0.00	0.00
2nd Bone Spring A Sand									
9,360.17	4.39	333.09	9,339.00	494.90	-251.21	495.90	0.00	0.00	0.00
2nd Bone Spring T/B Carb									
9,400.00	4.39	333.09	9,378.72	497.61	-252.59	498.62	0.00	0.00	0.00
9,483.53	4.39	333.09	9,462.00	503.32	-255.48	504.34	0.00	0.00	0.00
2nd Bone Spring C Sand									
9,500.00	4.39	333.09	9,478.42	504.44	-256.05	505.46	0.00	0.00	0.00
9,547.72	4.39	333.09	9,526.00	507.70	-257.71	508.73	0.00	0.00	0.00
3rd Bone Spring Lm									
9,600.00	4.39	333.09	9,578.13	511.27	-259.52	512.30	0.00	0.00	0.00
9,700.00	4.39	333.09	9,677.84	518.09	-262.98	519.14	0.00	0.00	0.00
9,800.00	4.39	333.09	9,777.54	524.92	-266.45	525.98	0.00	0.00	0.00
9,900.00	4.39	333.09	9,877.25	531.74	-269.91	532.82	0.00	0.00	0.00
9,924.82	4.39	333.09	9,902.00	533.44	-270.77	534.52	0.00	0.00	0.00
3rd Bone Spring Sh									
10,000.00	4.39	333.09	9,976.96	538.57	-273.38	539.66	0.00	0.00	0.00
10,100.00	4.39	333.09	10,076.66	545.39	-276.84	546.50	0.00	0.00	0.00
10,127.42	4.39	333.09	10,104.00	547.27	-277.79	548.38	0.00	0.00	0.00
3rd Bone Spring Sh Base									
10,199.18	4.39	333.09	10,175.55	552.16	-280.28	553.28	0.00	0.00	0.00
10,250.00	9.22	347.50	10,226.00	557.88	-282.04	559.00	10.00	9.50	28.36
10,300.00	14.14	351.90	10,274.95	567.84	-283.77	568.97	10.00	9.85	8.80
10,343.82	18.49	353.85	10,317.00	580.05	-285.27	581.19	10.00	9.92	4.44
3rd Bone Spring Ss									
10,350.00	19.10	354.05	10,322.85	582.03	-285.48	583.17	10.00	9.94	3.32
10,400.00	24.08	355.34	10,369.33	600.35	-287.15	601.50	10.00	9.96	2.58
10,450.00	29.07	356.21	10,414.03	622.65	-288.79	623.80	10.00	9.97	1.74
10,500.00	34.05	356.84	10,456.62	648.76	-290.36	649.92	10.00	9.98	1.26
10,550.00	39.05	357.33	10,496.78	678.49	-291.87	679.66	10.00	9.98	0.98
10,600.00	44.04	357.72	10,534.19	711.61	-293.29	712.78	10.00	9.99	0.79
10,650.00	49.03	358.05	10,568.57	747.86	-294.62	749.04	10.00	9.99	0.66

XTO ENERGY

Planning Report

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Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
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Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,674.12	51.44	358.19	10,584.00	766.40	-295.23	767.57	10.00	9.99	0.58
Red Hills SS									
10,700.00	54.03	358.33	10,599.67	786.98	-295.86	788.16	10.00	9.99	0.54
10,750.00	59.02	358.58	10,627.23	828.66	-296.98	829.84	10.00	9.99	0.50
10,800.00	64.02	358.80	10,651.07	872.58	-297.98	873.77	10.00	9.99	0.45
10,850.00	69.02	359.01	10,670.98	918.42	-298.85	919.61	10.00	9.99	0.41
10,850.05	69.02	359.01	10,671.00	918.46	-298.85	919.66	0.00	0.00	0.00
Wolfcamp									
10,900.00	74.01	359.20	10,686.83	965.82	-299.59	967.01	10.01	10.00	0.38
10,908.08	74.82	359.23	10,689.00	973.60	-299.70	974.79	10.00	9.99	0.37
Wolfcamp X									
10,950.00	79.01	359.38	10,698.49	1,014.42	-300.19	1,015.62	10.00	9.99	0.36
11,000.00	84.01	359.56	10,705.87	1,063.85	-300.65	1,065.05	10.00	9.99	0.35
11,050.00	89.01	359.73	10,708.91	1,113.74	-300.96	1,114.94	10.00	9.99	0.35
11,059.96	90.00	359.77	10,709.00	1,123.70	-301.00	1,124.90	10.00	9.99	0.34
LP									
11,100.00	90.00	359.77	10,709.00	1,163.74	-301.16	1,164.94	0.00	0.00	0.00
11,200.00	90.00	359.77	10,709.00	1,263.74	-301.57	1,264.94	0.00	0.00	0.00
11,300.00	90.00	359.77	10,709.00	1,363.74	-301.98	1,364.94	0.00	0.00	0.00
11,400.00	90.00	359.77	10,709.00	1,463.74	-302.39	1,464.94	0.00	0.00	0.00
11,500.00	90.00	359.77	10,709.00	1,563.74	-302.80	1,564.94	0.00	0.00	0.00
11,600.00	90.00	359.77	10,709.00	1,663.74	-303.21	1,664.94	0.00	0.00	0.00
11,700.00	90.00	359.77	10,709.00	1,763.74	-303.61	1,764.94	0.00	0.00	0.00
11,800.00	90.00	359.77	10,709.00	1,863.74	-304.02	1,864.94	0.00	0.00	0.00
11,900.00	90.00	359.77	10,709.00	1,963.74	-304.43	1,964.94	0.00	0.00	0.00
12,000.00	90.00	359.77	10,709.00	2,063.74	-304.84	2,064.94	0.00	0.00	0.00
12,100.00	90.00	359.77	10,709.00	2,163.74	-305.25	2,164.94	0.00	0.00	0.00
12,200.00	90.00	359.77	10,709.00	2,263.73	-305.66	2,264.94	0.00	0.00	0.00
12,300.00	90.00	359.77	10,709.00	2,363.73	-306.06	2,364.94	0.00	0.00	0.00
12,400.00	90.00	359.77	10,709.00	2,463.73	-306.47	2,464.94	0.00	0.00	0.00
12,500.00	90.00	359.77	10,709.00	2,563.73	-306.88	2,564.94	0.00	0.00	0.00
12,600.00	90.00	359.77	10,709.00	2,663.73	-307.29	2,664.94	0.00	0.00	0.00
12,700.00	90.00	359.77	10,709.00	2,763.73	-307.70	2,764.94	0.00	0.00	0.00
12,800.00	90.00	359.77	10,709.00	2,863.73	-308.11	2,864.94	0.00	0.00	0.00
12,900.00	90.00	359.77	10,709.00	2,963.73	-308.51	2,964.94	0.00	0.00	0.00
13,000.00	90.00	359.77	10,709.00	3,063.73	-308.92	3,064.94	0.00	0.00	0.00
13,100.00	90.00	359.77	10,709.00	3,163.73	-309.33	3,164.94	0.00	0.00	0.00
13,200.00	90.00	359.77	10,709.00	3,263.73	-309.74	3,264.94	0.00	0.00	0.00
13,300.00	90.00	359.77	10,709.00	3,363.73	-310.15	3,364.94	0.00	0.00	0.00
13,400.00	90.00	359.77	10,709.00	3,463.72	-310.56	3,464.94	0.00	0.00	0.00
13,500.00	90.00	359.77	10,709.00	3,563.72	-310.96	3,564.94	0.00	0.00	0.00
13,600.00	90.00	359.77	10,709.00	3,663.72	-311.37	3,664.94	0.00	0.00	0.00
13,700.00	90.00	359.77	10,709.00	3,763.72	-311.78	3,764.94	0.00	0.00	0.00
13,800.00	90.00	359.77	10,709.00	3,863.72	-312.19	3,864.94	0.00	0.00	0.00
13,900.00	90.00	359.77	10,709.00	3,963.72	-312.60	3,964.94	0.00	0.00	0.00
14,000.00	90.00	359.77	10,709.00	4,063.72	-313.01	4,064.94	0.00	0.00	0.00
14,100.00	90.00	359.77	10,709.00	4,163.72	-313.41	4,164.94	0.00	0.00	0.00
14,200.00	90.00	359.77	10,709.00	4,263.72	-313.82	4,264.94	0.00	0.00	0.00
14,300.00	90.00	359.77	10,709.00	4,363.72	-314.23	4,364.94	0.00	0.00	0.00
14,400.00	90.00	359.77	10,709.00	4,463.72	-314.64	4,464.94	0.00	0.00	0.00
14,500.00	90.00	359.77	10,709.00	4,563.72	-315.05	4,564.94	0.00	0.00	0.00
14,600.00	90.00	359.77	10,709.00	4,663.71	-315.46	4,664.94	0.00	0.00	0.00
14,700.00	90.00	359.77	10,709.00	4,763.71	-315.86	4,764.94	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,800.00	90.00	359.77	10,709.00	4,863.71	-316.27	4,864.94	0.00	0.00	0.00
14,900.00	90.00	359.77	10,709.00	4,963.71	-316.68	4,964.94	0.00	0.00	0.00
15,000.00	90.00	359.77	10,709.00	5,063.71	-317.09	5,064.94	0.00	0.00	0.00
15,100.00	90.00	359.77	10,709.00	5,163.71	-317.50	5,164.94	0.00	0.00	0.00
15,200.00	90.00	359.77	10,709.00	5,263.71	-317.91	5,264.94	0.00	0.00	0.00
15,300.00	90.00	359.77	10,709.00	5,363.71	-318.31	5,364.94	0.00	0.00	0.00
15,400.00	90.00	359.77	10,709.00	5,463.71	-318.72	5,464.94	0.00	0.00	0.00
15,500.00	90.00	359.77	10,709.00	5,563.71	-319.13	5,564.94	0.00	0.00	0.00
15,600.00	90.00	359.77	10,709.00	5,663.71	-319.54	5,664.94	0.00	0.00	0.00
15,700.00	90.00	359.77	10,709.00	5,763.71	-319.95	5,764.94	0.00	0.00	0.00
15,800.00	90.00	359.77	10,709.00	5,863.70	-320.36	5,864.94	0.00	0.00	0.00
15,900.00	90.00	359.77	10,709.00	5,963.70	-320.76	5,964.94	0.00	0.00	0.00
16,000.00	90.00	359.77	10,709.00	6,063.70	-321.17	6,064.94	0.00	0.00	0.00
16,100.00	90.00	359.77	10,709.00	6,163.70	-321.58	6,164.94	0.00	0.00	0.00
16,200.00	90.00	359.77	10,709.00	6,263.70	-321.99	6,264.94	0.00	0.00	0.00
16,300.00	90.00	359.77	10,709.00	6,363.70	-322.40	6,364.94	0.00	0.00	0.00
16,400.00	90.00	359.77	10,709.00	6,463.70	-322.81	6,464.94	0.00	0.00	0.00
16,500.00	90.00	359.77	10,709.00	6,563.70	-323.21	6,564.94	0.00	0.00	0.00
16,600.00	90.00	359.77	10,709.00	6,663.70	-323.62	6,664.94	0.00	0.00	0.00
16,700.00	90.00	359.77	10,709.00	6,763.70	-324.03	6,764.94	0.00	0.00	0.00
16,800.00	90.00	359.77	10,709.00	6,863.70	-324.44	6,864.94	0.00	0.00	0.00
16,900.00	90.00	359.77	10,709.00	6,963.70	-324.85	6,964.94	0.00	0.00	0.00
17,000.00	90.00	359.77	10,709.00	7,063.69	-325.26	7,064.94	0.00	0.00	0.00
17,100.00	90.00	359.77	10,709.00	7,163.69	-325.66	7,164.94	0.00	0.00	0.00
17,200.00	90.00	359.77	10,709.00	7,263.69	-326.07	7,264.94	0.00	0.00	0.00
17,300.00	90.00	359.77	10,709.00	7,363.69	-326.48	7,364.94	0.00	0.00	0.00
17,400.00	90.00	359.77	10,709.00	7,463.69	-326.89	7,464.94	0.00	0.00	0.00
17,500.00	90.00	359.77	10,709.00	7,563.69	-327.30	7,564.94	0.00	0.00	0.00
17,600.00	90.00	359.77	10,709.00	7,663.69	-327.71	7,664.94	0.00	0.00	0.00
17,700.00	90.00	359.77	10,709.00	7,763.69	-328.11	7,764.94	0.00	0.00	0.00
17,800.00	90.00	359.77	10,709.00	7,863.69	-328.52	7,864.94	0.00	0.00	0.00
17,900.00	90.00	359.77	10,709.00	7,963.69	-328.93	7,964.94	0.00	0.00	0.00
18,000.00	90.00	359.77	10,709.00	8,063.69	-329.34	8,064.94	0.00	0.00	0.00
18,100.00	90.00	359.77	10,709.00	8,163.69	-329.75	8,164.94	0.00	0.00	0.00
18,200.00	90.00	359.77	10,709.00	8,263.68	-330.16	8,264.94	0.00	0.00	0.00
18,300.00	90.00	359.77	10,709.00	8,363.68	-330.56	8,364.94	0.00	0.00	0.00
18,400.00	90.00	359.77	10,709.00	8,463.68	-330.97	8,464.94	0.00	0.00	0.00
18,500.00	90.00	359.77	10,709.00	8,563.68	-331.38	8,564.94	0.00	0.00	0.00
18,600.00	90.00	359.77	10,709.00	8,663.68	-331.79	8,664.94	0.00	0.00	0.00
18,700.00	90.00	359.77	10,709.00	8,763.68	-332.20	8,764.94	0.00	0.00	0.00
18,800.00	90.00	359.77	10,709.00	8,863.68	-332.61	8,864.94	0.00	0.00	0.00
18,900.00	90.00	359.77	10,709.00	8,963.68	-333.01	8,964.94	0.00	0.00	0.00
19,000.00	90.00	359.77	10,709.00	9,063.68	-333.42	9,064.94	0.00	0.00	0.00
19,100.00	90.00	359.77	10,709.00	9,163.68	-333.83	9,164.94	0.00	0.00	0.00
19,200.00	90.00	359.77	10,709.00	9,263.68	-334.24	9,264.94	0.00	0.00	0.00
19,300.00	90.00	359.77	10,709.00	9,363.68	-334.65	9,364.94	0.00	0.00	0.00
19,400.00	90.00	359.77	10,709.00	9,463.67	-335.06	9,464.94	0.00	0.00	0.00
19,500.00	90.00	359.77	10,709.00	9,563.67	-335.46	9,564.94	0.00	0.00	0.00
19,600.00	90.00	359.77	10,709.00	9,663.67	-335.87	9,664.94	0.00	0.00	0.00
19,700.00	90.00	359.77	10,709.00	9,763.67	-336.28	9,764.94	0.00	0.00	0.00
19,800.00	90.00	359.77	10,709.00	9,863.67	-336.69	9,864.94	0.00	0.00	0.00
19,900.00	90.00	359.77	10,709.00	9,963.67	-337.10	9,964.94	0.00	0.00	0.00
20,000.00	90.00	359.77	10,709.00	10,063.67	-337.51	10,064.94	0.00	0.00	0.00
20,100.00	90.00	359.77	10,709.00	10,163.67	-337.91	10,164.94	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,200.00	90.00	359.77	10,709.00	10,263.67	-338.32	10,264.94	0.00	0.00	0.00
20,300.00	90.00	359.77	10,709.00	10,363.67	-338.73	10,364.94	0.00	0.00	0.00
20,400.00	90.00	359.77	10,709.00	10,463.67	-339.14	10,464.94	0.00	0.00	0.00
20,500.00	90.00	359.77	10,709.00	10,563.67	-339.55	10,564.94	0.00	0.00	0.00
20,600.00	90.00	359.77	10,709.00	10,663.66	-339.96	10,664.94	0.00	0.00	0.00
20,700.00	90.00	359.77	10,709.00	10,763.66	-340.36	10,764.94	0.00	0.00	0.00
20,800.00	90.00	359.77	10,709.00	10,863.66	-340.77	10,864.94	0.00	0.00	0.00
20,900.00	90.00	359.77	10,709.00	10,963.66	-341.18	10,964.94	0.00	0.00	0.00
21,000.00	90.00	359.77	10,709.00	11,063.66	-341.59	11,064.94	0.00	0.00	0.00
21,100.00	90.00	359.77	10,709.00	11,163.66	-342.00	11,164.94	0.00	0.00	0.00
21,200.00	90.00	359.77	10,709.00	11,263.66	-342.41	11,264.94	0.00	0.00	0.00
21,300.00	90.00	359.77	10,709.00	11,363.66	-342.81	11,364.94	0.00	0.00	0.00
21,400.00	90.00	359.77	10,709.00	11,463.66	-343.22	11,464.94	0.00	0.00	0.00
21,500.00	90.00	359.77	10,709.00	11,563.66	-343.63	11,564.94	0.00	0.00	0.00
21,600.00	90.00	359.77	10,709.00	11,663.66	-344.04	11,664.94	0.00	0.00	0.00
21,700.00	90.00	359.77	10,709.00	11,763.66	-344.45	11,764.94	0.00	0.00	0.00
21,800.00	90.00	359.77	10,709.00	11,863.65	-344.86	11,864.94	0.00	0.00	0.00
21,900.00	90.00	359.77	10,709.00	11,963.65	-345.27	11,964.94	0.00	0.00	0.00
22,000.00	90.00	359.77	10,709.00	12,063.65	-345.67	12,064.94	0.00	0.00	0.00
22,100.00	90.00	359.77	10,709.00	12,163.65	-346.08	12,164.94	0.00	0.00	0.00
22,200.00	90.00	359.77	10,709.00	12,263.65	-346.49	12,264.94	0.00	0.00	0.00
22,300.00	90.00	359.77	10,709.00	12,363.65	-346.90	12,364.94	0.00	0.00	0.00
22,400.00	90.00	359.77	10,709.00	12,463.65	-347.31	12,464.94	0.00	0.00	0.00
22,500.00	90.00	359.77	10,709.00	12,563.65	-347.72	12,564.94	0.00	0.00	0.00
22,600.00	90.00	359.77	10,709.00	12,663.65	-348.12	12,664.94	0.00	0.00	0.00
22,700.00	90.00	359.77	10,709.00	12,763.65	-348.53	12,764.94	0.00	0.00	0.00
22,800.00	90.00	359.77	10,709.00	12,863.65	-348.94	12,864.94	0.00	0.00	0.00
22,900.00	90.00	359.77	10,709.00	12,963.65	-349.35	12,964.94	0.00	0.00	0.00
23,000.00	90.00	359.77	10,709.00	13,063.65	-349.76	13,064.94	0.00	0.00	0.00
23,100.00	90.00	359.77	10,709.00	13,163.64	-350.17	13,164.94	0.00	0.00	0.00
23,200.00	90.00	359.77	10,709.00	13,263.64	-350.57	13,264.94	0.00	0.00	0.00
23,300.00	90.00	359.77	10,709.00	13,363.64	-350.98	13,364.94	0.00	0.00	0.00
23,400.00	90.00	359.77	10,709.00	13,463.64	-351.39	13,464.94	0.00	0.00	0.00
23,500.00	90.00	359.77	10,709.00	13,563.64	-351.80	13,564.94	0.00	0.00	0.00
23,600.00	90.00	359.77	10,709.00	13,663.64	-352.21	13,664.94	0.00	0.00	0.00
23,700.00	90.00	359.77	10,709.00	13,763.64	-352.62	13,764.94	0.00	0.00	0.00
23,800.00	90.00	359.77	10,709.00	13,863.64	-353.02	13,864.94	0.00	0.00	0.00
23,900.00	90.00	359.77	10,709.00	13,963.64	-353.43	13,964.94	0.00	0.00	0.00
24,000.00	90.00	359.77	10,709.00	14,063.64	-353.84	14,064.94	0.00	0.00	0.00
24,100.00	90.00	359.77	10,709.00	14,163.64	-354.25	14,164.94	0.00	0.00	0.00
24,200.00	90.00	359.77	10,709.00	14,263.64	-354.66	14,264.94	0.00	0.00	0.00
24,300.00	90.00	359.77	10,709.00	14,363.63	-355.07	14,364.94	0.00	0.00	0.00
24,400.00	90.00	359.77	10,709.00	14,463.63	-355.47	14,464.94	0.00	0.00	0.00
24,500.00	90.00	359.77	10,709.00	14,563.63	-355.88	14,564.94	0.00	0.00	0.00
24,600.00	90.00	359.77	10,709.00	14,663.63	-356.29	14,664.94	0.00	0.00	0.00
24,700.00	90.00	359.77	10,709.00	14,763.63	-356.70	14,764.94	0.00	0.00	0.00
24,800.00	90.00	359.77	10,709.00	14,863.63	-357.11	14,864.94	0.00	0.00	0.00
24,900.00	90.00	359.77	10,709.00	14,963.63	-357.52	14,964.94	0.00	0.00	0.00
25,000.00	90.00	359.77	10,709.00	15,063.63	-357.92	15,064.94	0.00	0.00	0.00
25,100.00	90.00	359.77	10,709.00	15,163.63	-358.33	15,164.94	0.00	0.00	0.00
25,200.00	90.00	359.77	10,709.00	15,263.63	-358.74	15,264.94	0.00	0.00	0.00
25,300.00	90.00	359.77	10,709.00	15,363.63	-359.15	15,364.94	0.00	0.00	0.00
25,400.00	90.00	359.77	10,709.00	15,463.63	-359.56	15,464.94	0.00	0.00	0.00
25,500.00	90.00	359.77	10,709.00	15,563.62	-359.97	15,564.94	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
25,600.00	90.00	359.77	10,709.00	15,663.62	-360.37	15,664.94	0.00	0.00	0.00
25,700.00	90.00	359.77	10,709.00	15,763.62	-360.78	15,764.94	0.00	0.00	0.00
25,800.00	90.00	359.77	10,709.00	15,863.62	-361.19	15,864.94	0.00	0.00	0.00
25,900.00	90.00	359.77	10,709.00	15,963.62	-361.60	15,964.94	0.00	0.00	0.00
26,000.00	90.00	359.77	10,709.00	16,063.62	-362.01	16,064.94	0.00	0.00	0.00
26,100.00	90.00	359.77	10,709.00	16,163.62	-362.42	16,164.94	0.00	0.00	0.00
26,200.00	90.00	359.77	10,709.00	16,263.62	-362.82	16,264.94	0.00	0.00	0.00
26,300.00	90.00	359.77	10,709.00	16,363.62	-363.23	16,364.94	0.00	0.00	0.00
26,400.00	90.00	359.77	10,709.00	16,463.62	-363.64	16,464.94	0.00	0.00	0.00
26,500.00	90.00	359.77	10,709.00	16,563.62	-364.05	16,564.94	0.00	0.00	0.00
26,600.00	90.00	359.77	10,709.00	16,663.62	-364.46	16,664.94	0.00	0.00	0.00
26,700.00	90.00	359.77	10,709.00	16,763.61	-364.87	16,764.94	0.00	0.00	0.00
26,800.00	90.00	359.77	10,709.00	16,863.61	-365.27	16,864.94	0.00	0.00	0.00
26,900.00	90.00	359.77	10,709.00	16,963.61	-365.68	16,964.94	0.00	0.00	0.00
27,000.00	90.00	359.77	10,709.00	17,063.61	-366.09	17,064.94	0.00	0.00	0.00
27,100.00	90.00	359.77	10,709.00	17,163.61	-366.50	17,164.94	0.00	0.00	0.00
27,200.00	90.00	359.77	10,709.00	17,263.61	-366.91	17,264.94	0.00	0.00	0.00
27,300.00	90.00	359.77	10,709.00	17,363.61	-367.32	17,364.94	0.00	0.00	0.00
27,400.00	90.00	359.77	10,709.00	17,463.61	-367.72	17,464.94	0.00	0.00	0.00
27,500.00	90.00	359.77	10,709.00	17,563.61	-368.13	17,564.94	0.00	0.00	0.00
27,600.00	90.00	359.77	10,709.00	17,663.61	-368.54	17,664.94	0.00	0.00	0.00
27,700.00	90.00	359.77	10,709.00	17,763.61	-368.95	17,764.94	0.00	0.00	0.00
27,800.00	90.00	359.77	10,709.00	17,863.61	-369.36	17,864.94	0.00	0.00	0.00
27,900.00	90.00	359.77	10,709.00	17,963.60	-369.77	17,964.94	0.00	0.00	0.00
28,000.00	90.00	359.77	10,709.00	18,063.60	-370.17	18,064.94	0.00	0.00	0.00
28,100.00	90.00	359.77	10,709.00	18,163.60	-370.58	18,164.94	0.00	0.00	0.00
28,200.00	90.00	359.77	10,709.00	18,263.60	-370.99	18,264.94	0.00	0.00	0.00
28,300.00	90.00	359.77	10,709.00	18,363.60	-371.40	18,364.94	0.00	0.00	0.00
28,400.00	90.00	359.77	10,709.00	18,463.60	-371.81	18,464.94	0.00	0.00	0.00
28,500.00	90.00	359.77	10,709.00	18,563.60	-372.22	18,564.94	0.00	0.00	0.00
28,600.00	90.00	359.77	10,709.00	18,663.60	-372.62	18,664.94	0.00	0.00	0.00
28,700.00	90.00	359.77	10,709.00	18,763.60	-373.03	18,764.94	0.00	0.00	0.00
28,800.00	90.00	359.77	10,709.00	18,863.60	-373.44	18,864.94	0.00	0.00	0.00
28,900.00	90.00	359.77	10,709.00	18,963.60	-373.85	18,964.94	0.00	0.00	0.00
29,000.00	90.00	359.77	10,709.00	19,063.60	-374.26	19,064.94	0.00	0.00	0.00
29,100.00	90.00	359.77	10,709.00	19,163.59	-374.67	19,164.94	0.00	0.00	0.00
29,200.00	90.00	359.77	10,709.00	19,263.59	-375.07	19,264.94	0.00	0.00	0.00
29,300.00	90.00	359.77	10,709.00	19,363.59	-375.48	19,364.94	0.00	0.00	0.00
29,400.00	90.00	359.77	10,709.00	19,463.59	-375.89	19,464.94	0.00	0.00	0.00
29,500.00	90.00	359.77	10,709.00	19,563.59	-376.30	19,564.94	0.00	0.00	0.00
29,600.00	90.00	359.77	10,709.00	19,663.59	-376.71	19,664.94	0.00	0.00	0.00
29,700.00	90.00	359.77	10,709.00	19,763.59	-377.12	19,764.94	0.00	0.00	0.00
29,800.00	90.00	359.77	10,709.00	19,863.59	-377.52	19,864.94	0.00	0.00	0.00
29,900.00	90.00	359.77	10,709.00	19,963.59	-377.93	19,964.94	0.00	0.00	0.00
30,000.00	90.00	359.77	10,709.00	20,063.59	-378.34	20,064.94	0.00	0.00	0.00
30,100.00	90.00	359.77	10,709.00	20,163.59	-378.75	20,164.94	0.00	0.00	0.00
30,200.00	90.00	359.77	10,709.00	20,263.59	-379.16	20,264.94	0.00	0.00	0.00
30,300.00	90.00	359.77	10,709.00	20,363.58	-379.57	20,364.94	0.00	0.00	0.00
30,400.00	90.00	359.77	10,709.00	20,463.58	-379.97	20,464.94	0.00	0.00	0.00
30,500.00	90.00	359.77	10,709.00	20,563.58	-380.38	20,564.94	0.00	0.00	0.00
30,600.00	90.00	359.77	10,709.00	20,663.58	-380.79	20,664.94	0.00	0.00	0.00
30,700.00	90.00	359.77	10,709.00	20,763.58	-381.20	20,764.94	0.00	0.00	0.00
30,800.00	90.00	359.77	10,709.00	20,863.58	-381.61	20,864.94	0.00	0.00	0.00
30,900.00	90.00	359.77	10,709.00	20,963.58	-382.02	20,964.94	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
31,000.00	90.00	359.77	10,709.00	21,063.58	-382.42	21,064.94	0.00	0.00	0.00
31,100.00	90.00	359.77	10,709.00	21,163.58	-382.83	21,164.94	0.00	0.00	0.00
31,200.00	90.00	359.77	10,709.00	21,263.58	-383.24	21,264.94	0.00	0.00	0.00
31,300.00	90.00	359.77	10,709.00	21,363.58	-383.65	21,364.94	0.00	0.00	0.00
31,400.00	90.00	359.77	10,709.00	21,463.58	-384.06	21,464.94	0.00	0.00	0.00
31,500.00	90.00	359.77	10,709.00	21,563.57	-384.47	21,564.94	0.00	0.00	0.00
31,600.00	90.00	359.77	10,709.00	21,663.57	-384.87	21,664.94	0.00	0.00	0.00
31,700.00	90.00	359.77	10,709.00	21,763.57	-385.28	21,764.94	0.00	0.00	0.00
31,794.53	90.00	359.77	10,709.00	21,858.10	-385.67	21,859.47	0.00	0.00	0.00
31,800.00	90.00	359.77	10,709.00	21,863.57	-385.69	21,864.94	0.00	0.00	0.00
31,900.00	90.00	359.77	10,709.00	21,963.57	-386.10	21,964.94	0.00	0.00	0.00
31,924.53	90.00	359.77	10,709.00	21,988.10	-386.20	21,989.47	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLU-20 DTD #323H S - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	439,467.20	633,748.30	32.2074729	-103.9009050
PLU-20 DTD #323H E - plan hits target center - Point	0.00	0.00	10,709.00	21,988.10	-386.20	461,455.30	633,362.10	32.2679205	-103.9018681
PLU-20 DTD #323H L - plan misses target center by 0.17usft at 31794.53usft MD (10709.00 TVD, 21858.10 N, -385.67 E) - Point	0.00	0.00	10,709.00	21,858.10	-385.50	461,325.30	633,362.80	32.2675632	-103.9018675
PLU-20 DTD #323H F - plan hits target center - Point	0.00	0.00	10,709.00	1,123.70	-301.00	440,590.90	633,447.30	32.2105652	-103.9018636

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well 323H
Company:	XTO Energy	**TVD Reference:**	GL @ 3259.00usft (TBD)
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	GL @ 3259.00usft (TBD)
Site:	POKER LAKE UNIT 20 DTD	**North Reference:**	Grid
Well:	323H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
523.00	523.00	Rustler			
862.00	862.00	Top Salt			
3,386.64	3,383.00	Base Salt			
3,560.15	3,556.00	Delaware			
4,523.98	4,517.00	Cherry Canyon			
5,760.60	5,750.00	Brushy Canyon			
7,179.77	7,165.00	Basal Brushy Canyon			
7,439.53	7,424.00	Bone Spring			
7,469.62	7,454.00	Bone Spring Lime Fm			
7,579.94	7,564.00	Avalon Shale			
7,880.83	7,864.00	Avalon Lime			
8,069.38	8,052.00	Lower Avalon Shale			
8,193.74	8,176.00	1st Bone Spring Lime			
8,403.36	8,385.00	1st Bone Spring Ss			
8,755.39	8,736.00	2nd Bone Spring Lime			
9,106.42	9,086.00	2nd Bone Spring Ss			
9,306.01	9,285.00	2nd Bone Spring A Sand			
9,360.17	9,339.00	2nd Bone Spring T/B Carb			
9,483.53	9,462.00	2nd Bone Spring C Sand			
9,547.72	9,526.00	3rd Bone Spring Lm			
9,924.82	9,902.00	3rd Bone Spring Sh			
10,127.42	10,104.00	3rd Bone Spring Sh Base			
10,343.82	10,317.00	3rd Bone Spring Ss			
10,674.12	10,584.00	Red Hills SS			
10,850.05	10,671.00	Wolfcamp			
10,908.08	10,689.00	Wolfcamp X			
11,059.96	10,709.00	LP			

Cement Variance Request

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 (5750') 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 to surface on the first stage. If cement is brought to surface, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

In the event cement is not circulated to surface on the first stage, whether intentionally or unintentionally, 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 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 GE procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

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

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

Background

Onshore Oil and Gas Order (OOGO) No. 2, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. OOGO No. 2, Section I.D.2 states, "Some situation may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance…". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per OOGO No. 2, Section IV., XTO Energy submits this request for the variance.

Supporting Documentation

OOGO No. 2 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since OOGO No. 2 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. OOGO No. 2 recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

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

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

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

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

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

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

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

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

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

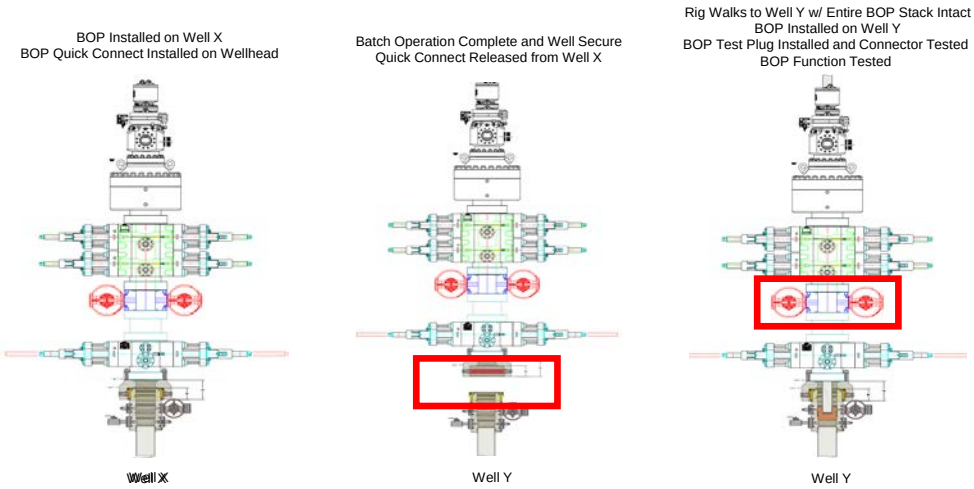
XTO Energy feels break testing and our current procedures meet the intent of OOGO No. 2 and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of OOGO No. 2 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the OOGO No.2.

Procedures

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

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

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



Summary

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

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

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

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

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

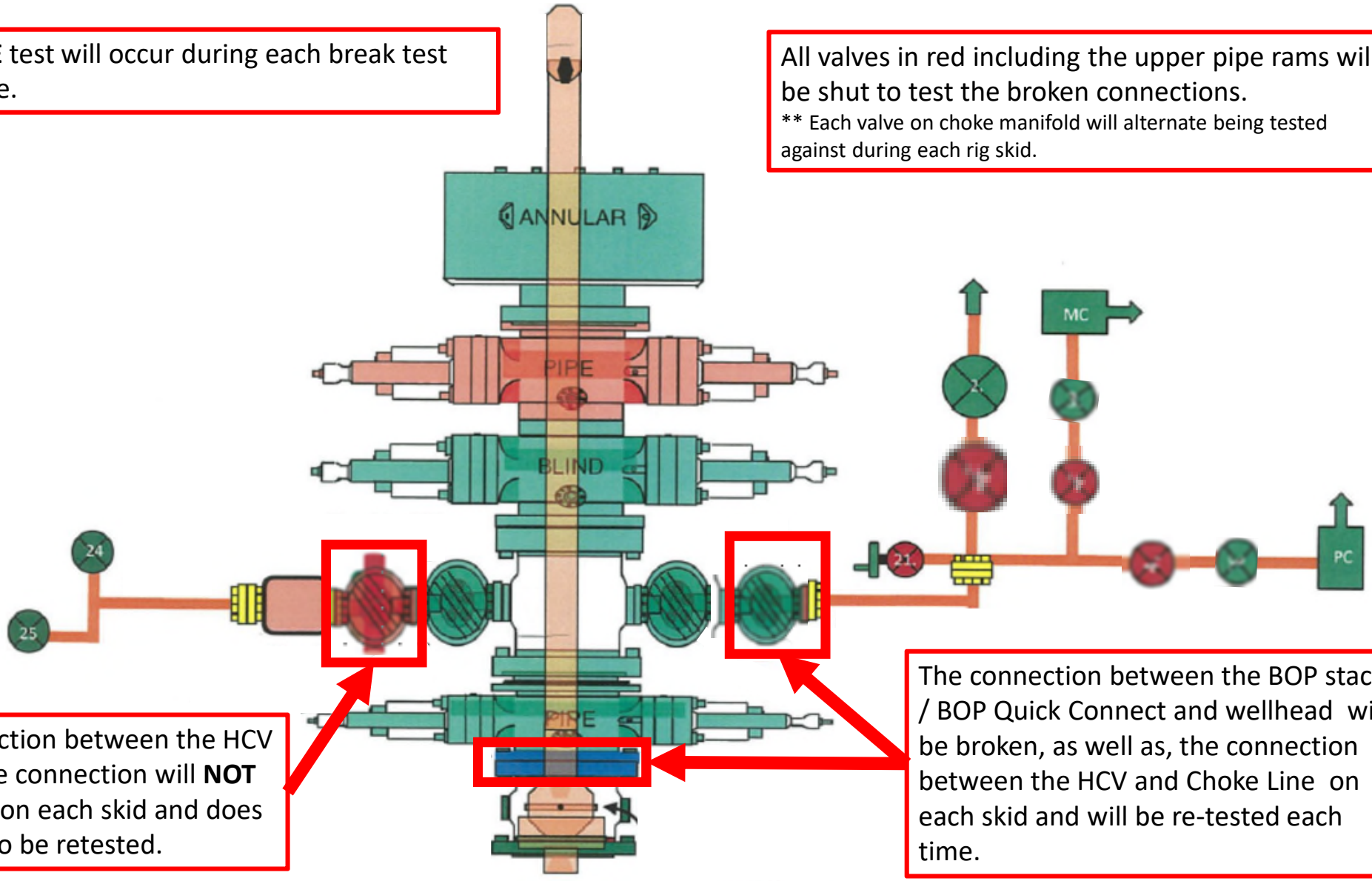
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

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

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

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

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



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

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

GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe&s@gates.com
WEB: www.gates.com

GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORMA

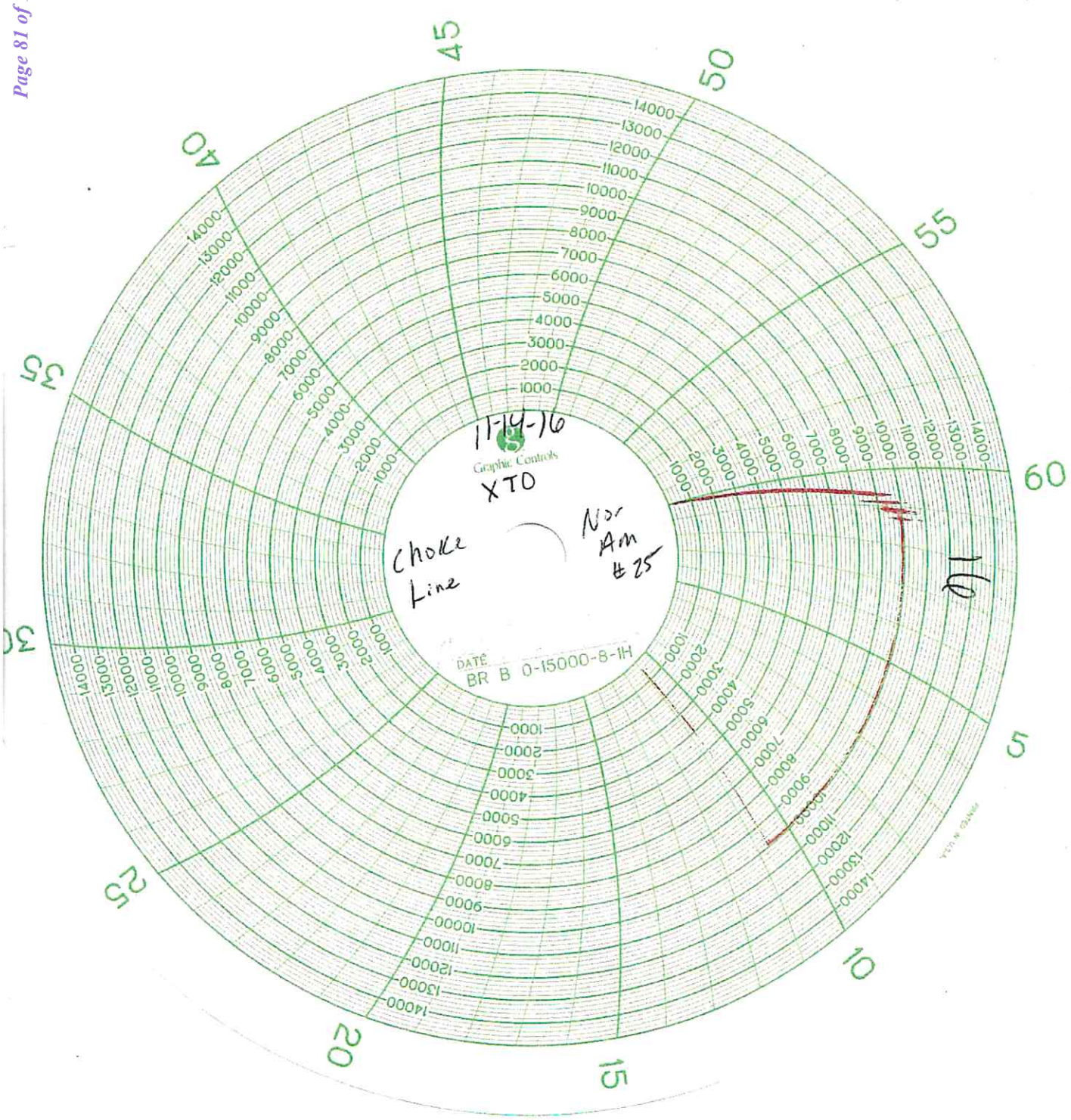
Product Description:	FD3.042.0R41/16.5KFLGE/E LE

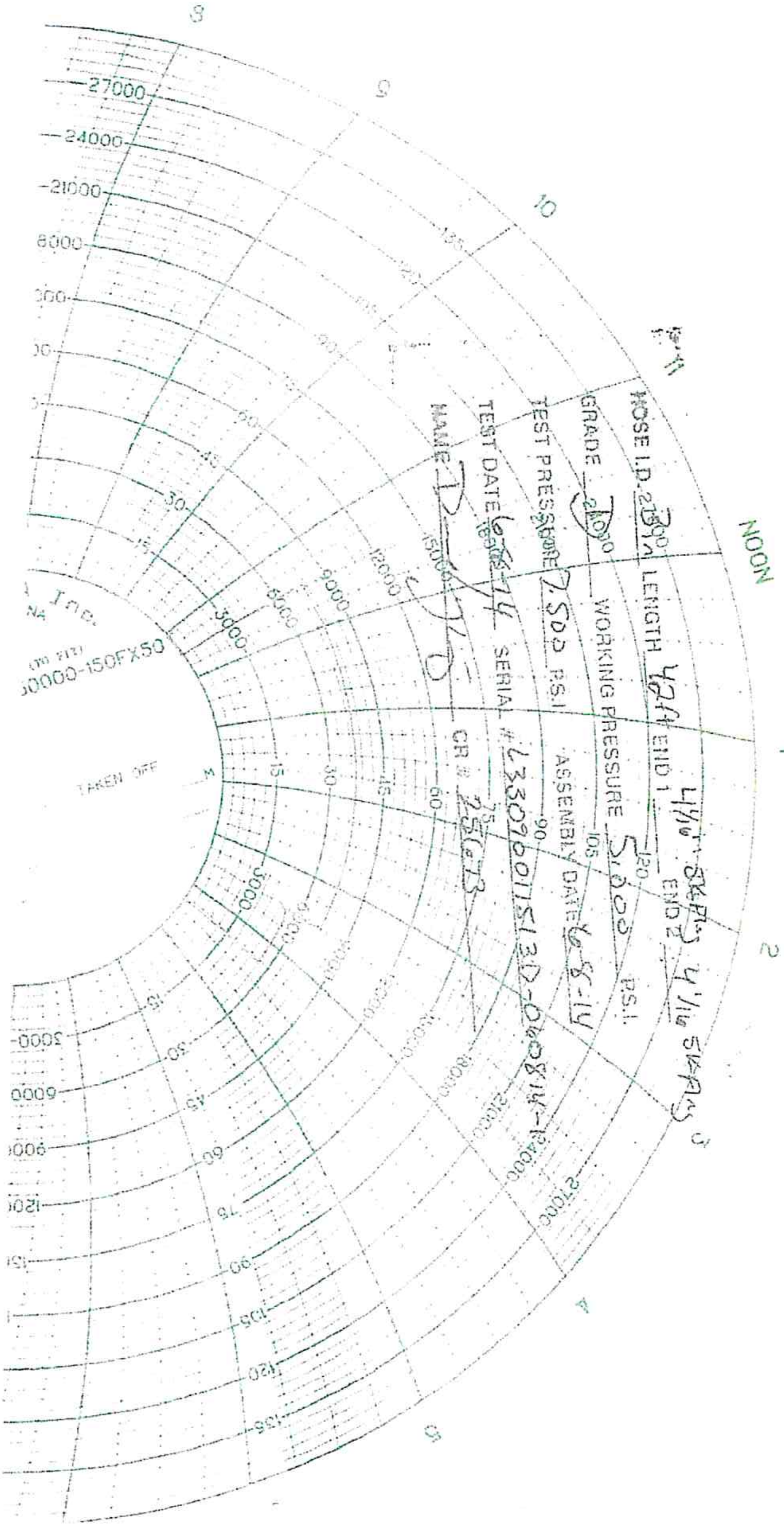
End Fitting 1 :	4 1/16 in.5K FLG	End Fitting 2 :	4 1/16 in.5K FLG
Gates Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

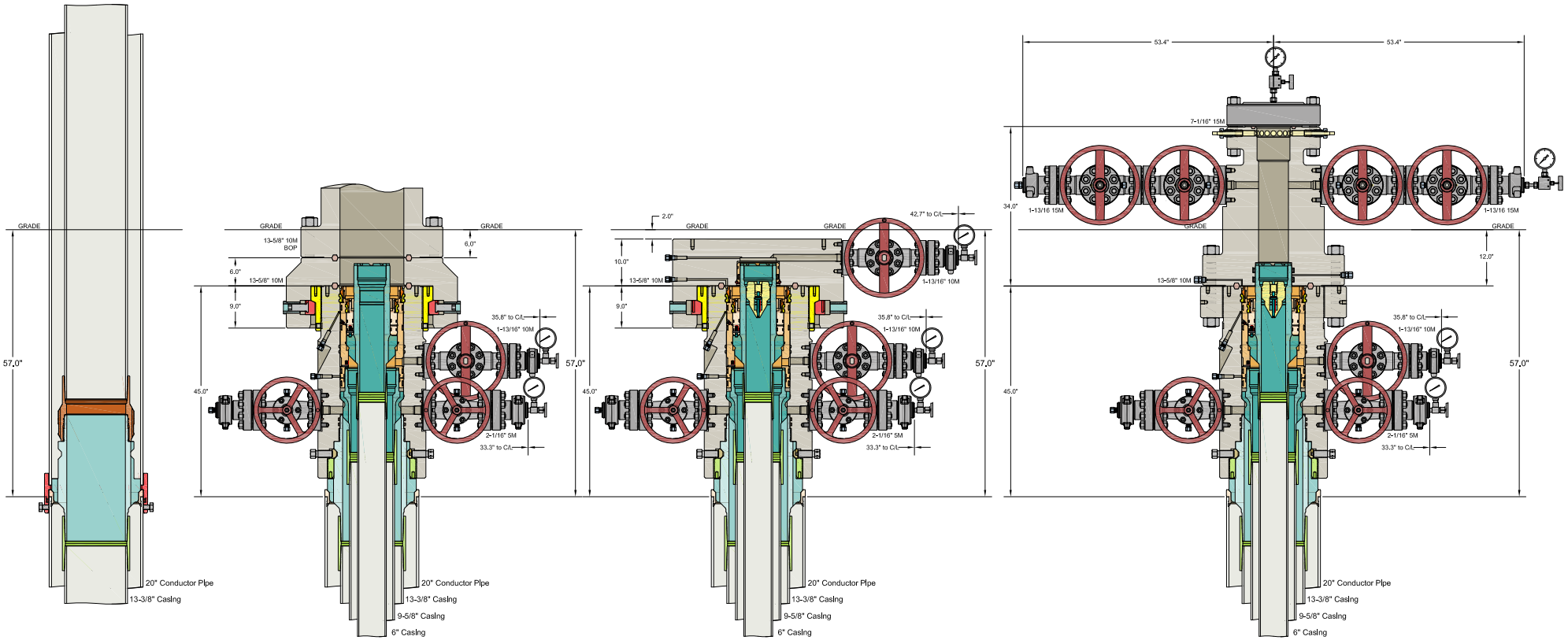
Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor :	PRODUCTION
Date :	6/8/2014	Date :	6/8/2014
Signature :		Signature :	

Form PTC - 01 Rev.0 2







ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
PLU 21 DTD

(20") x 13-3/8" x 9-5/8" x 6" 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	16FEB22
APPRV		
DRAWING NO.	SDT-3466	

XTO Permian Operating, LLC Offline Cementing Variance Request

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

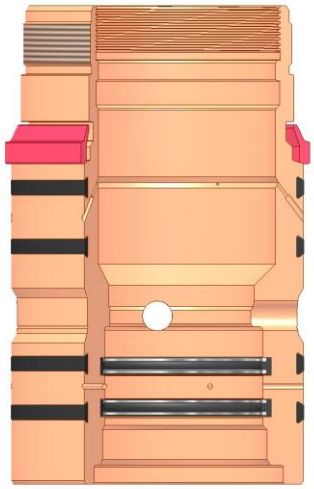
1. Cement Program

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

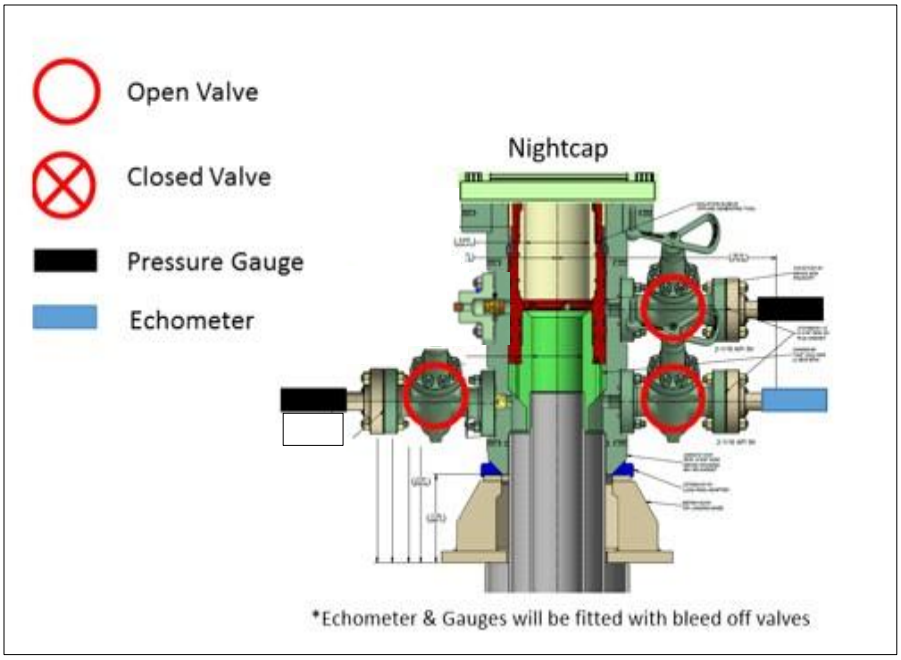
2. Offline Cementing Procedure

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

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



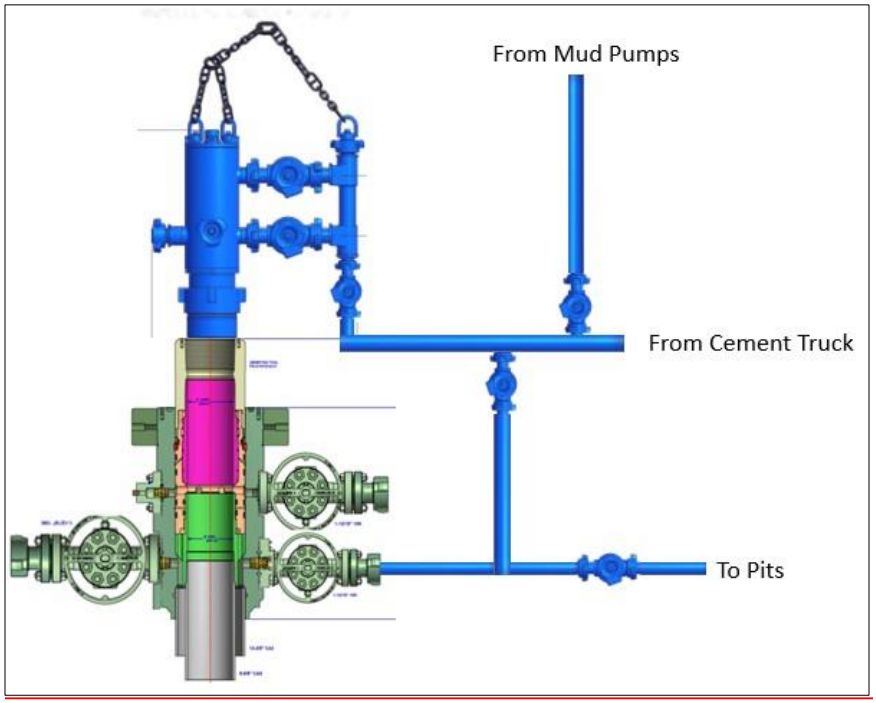
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

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

Description of Operations:

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
    a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. Spudder rig operations are expected to take 2-3 days per well on the pad.
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
    a. The larger rig will move back onto the location within 180 days from the point at which the wells are secured and the spudder rig is moved off location.
    b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.

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

SUPO Data Report
10/06/2023

APD ID: 10400089190
Submission Date: 11/28/2022
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 20 DTD
Well Number: 323H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

PLU_20_DTD_323H_Road_20221114060333.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? YES

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:

PLU_20_DTD_Road_20220804052025.pdf

New road type: RESOURCE

Length: 7314.87 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: 14

New road access erosion control: The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.
New road access plan or profile prepared? N

New road access plan

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: 6" Rolled and Compacted Native Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: The topsoil that was stripped will be spread along the edge of the road and within the ditch.
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. The topsoil that was stripped will be spread along the edge of the road and within the ditch. The topsoil will be seeded with the proper seed mix designated by the BLM.

Access miscellaneous information: From the intersection of Twin Wells Road and NM HWY 128 (Jal HWY), go South on Twin Wells Road for approximately 6.7 miles. Turn right (West) onto McDonald Road, and go approximately 1.4 miles. Turn right (North) onto Lease Road for approximately 1.6 miles. Turn left on Lease Road and go approximately 1.7 miles. Turn right (North) on Gavilan Road for approximately 0.4 miles. Turn right (East) onto Lease Road for approximately 0.2 miles arriving at the proposed road(s) and location(s). The locations are to the East/Southeast. Transportation maps identifying existing roads that will be used to access the project area are included from FSC, Inc. marked as, Topographical and Access Road Map. Transportation Plan identifying existing roads that will be used to access the project area is included from FSC, Inc. marked as, Topographical and Access Road Map. All equipment and vehicles will be confined to the routes shown on the Topographical and Access Map as provided by FSC, Inc. Maintenance of the access roads will continue until abandonment and reclamation of the well pads is completed.

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 will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

PLU_20_DTD_1Mile_20220804053918.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production Facilities. Two pads were staked with the BLM for construction and use as Central Tank Batteries (CTBs). The facilities are the PLU 20 DTD Central Tank Battery East and PLU 20 DTD Central Tank Battery West. The PLU 20 DTD Central Tank Battery East is 600x600 (Center: 2185FEL & 2250FNL) located in Section 20-24S-30E NMPM, Eddy County, New Mexico. The PLU 20 DTD Central Tank Battery West is 600x600 (Center: 1823FWL & 750FSL) located in Section 17-24S-30E NMPM, Eddy County, New Mexico. Plats of the proposed facilities are attached. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment. Buried & Surface Flowlines. In the event the Poker Lake Unit 20 DTD wells are found productive, ninety-six (96) 8in. or less buried composite flexpipe or steel flowlines with a maximum safety pressure rating of 1400psi (operating pressure: 750 psi) for transport of oil, gas, frac water, gas lift, fuel gas, and produced water are requested to the PLU 20 DTD Central Tank Battery East and PLU 20 DTD Central Tank Battery West. If XTO Permian Operating, LLC decides to run surface lines, ninety-six (96) 4in. or less composite flexpipe or steel flowlines with a max. safety psi rating of 750 (op. psi: 125psi) for transport of oil, gas and produced water will be required to the PLU 20 DTD Central Tank Battery East and PLU 20 DTD Central Tank Battery West. The proposed corridor for flowlines: 7647.92ft long, 60ft. wide. Total Length of Flowlines: 7647.92ft. Total Acreage Associated with Flowlines: 10.38 Acres. Midstream Tie-In. No midstream tie-in connections are requested to the PLU 20-17/20-8 D. No additional corridors are requested for gas/oil/water takeaway. If corridors are found needed in the future, they will be applied for via 3160-5. Disposal Facilities. Produced water will be hauled from location to a commercial disposal facility as needed. Once wells are drilled and completed, a 3160-5 sundry notification will be submitted to BLM in compliance with Onshore Order 7. Flare. A flare is not requested nor required with this project. 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. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1.5 times the capacity of the largest tank and away from cut or fill areas. Electrical. All lines will be primary 12,740 volt to properly run expected production equipment. Approx. 6684.51ft. 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.

Production Facilities map:

PLU_20_DTD_CTBE_20220804054410.pdf

PLU_20_DTD_CTBW_20220804054410.pdf

PLU_20_DTD_FL_20220804054431.pdf

PLU_20_DTD_OHE_20220804054431.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Water source type: OTHER

Describe type: Fresh Water; Section 27, T25S-R30E, Eddy County, NM

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: PIPELINE

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

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

Source volume (gal): 84000000

Water source type: OTHER

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

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: PIPELINE

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Source volume (gal): 84000000

Water source and transportation

PLU_20_DTD_323H_Wtr_20221114060424.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 7 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Texas Pacific Water Resources Water for drilling, completion and dust control will be supplied by Texas Pacific Water Resources for sale to XTO Permian Operating, LLC. from Section 27, T25S-R30E, Eddy County, NM. In the event that Texas Pacific Water Resources does not have the appropriate water for XTO at time of drilling and completion, then XTO water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, NM. Anticipated water usage for drilling includes an estimated 50,000 barrels (bbls) 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 ~1.5 bbls 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. Well completion is expected to require approximately 1,950,000 bbls of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections

New water well? N

New Water Well Info

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

Well target aquifer:

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

Aquifer comments:

Aquifer documentation:

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:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Pit 1: Federal Caliche Pit, Section 13-T24S-R30E, NESW :AKA Twin Wells pit Pit 2: Private Caliche Pit, Section 12-T24E-R30E, NESE :AKA McClutcheon pit

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

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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

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

Safe containmant attachment:

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

Disposal location description: A licensed 3rd party contractor 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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Are you storing cuttings on location? Y

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

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

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

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

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

PLU_20_DTD_323H_Well_20221114060508.pdf

PLU_20_DTD_323H_RL_20221114060508.pdf

Comments: Multi-well pad.

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance **Multiple Well Pad Name:** PLU 20 DTD

Multiple Well Pad Number: C

Recontouring

PLU_20_DTD_IR1_20220804062640.pdf

PLU_20_DTD_IR2_20220804062640.pdf

PLU_20_DTD_IR3_20220804062640.pdf

PLU_20_DTD_IR4_20220804062640.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,

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

and deep or excessive rills (greater than 3 inches) are not observed.

Well pad proposed disturbance (acres): 42.84	**Well pad interim reclamation (acres):** 12.04	**Well pad long term disturbance (acres):** 30.8
Road proposed disturbance (acres): 4.99	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 4.99
Powerline proposed disturbance (acres): 4.59	**Powerline interim reclamation (acres):** 0	**Powerline long term disturbance (acres):** 4.59
Pipeline proposed disturbance (acres): 10.38	**Pipeline interim reclamation (acres):** 10.38	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 16.52	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 16.52
Total proposed disturbance: 79.32000000000001	**Total interim reclamation:** 22.42	**Total long term disturbance:** 56.89999999999999

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) plant community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.
Existing Vegetation at the well pad: 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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

First Name: James **Last Name:** Scott

Phone: (432)571-8202 **Email:** james.scott@exxonmobil.com

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

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Existing invasive species treatment description:

Existing invasive species treatment

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

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

Success standards: 100% compliance with applicable regulations.

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

Section 11 - Surface

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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: OTHER

Describe: Central Tank 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:**

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Disturbance type: OTHER

Describe: Flowlines

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 PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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,288101 ROW – O&G Facility Sites,289001 ROW- O&G Well Pad,FLPMA (Powerline)

ROW

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

Use a previously conducted onsite? Y

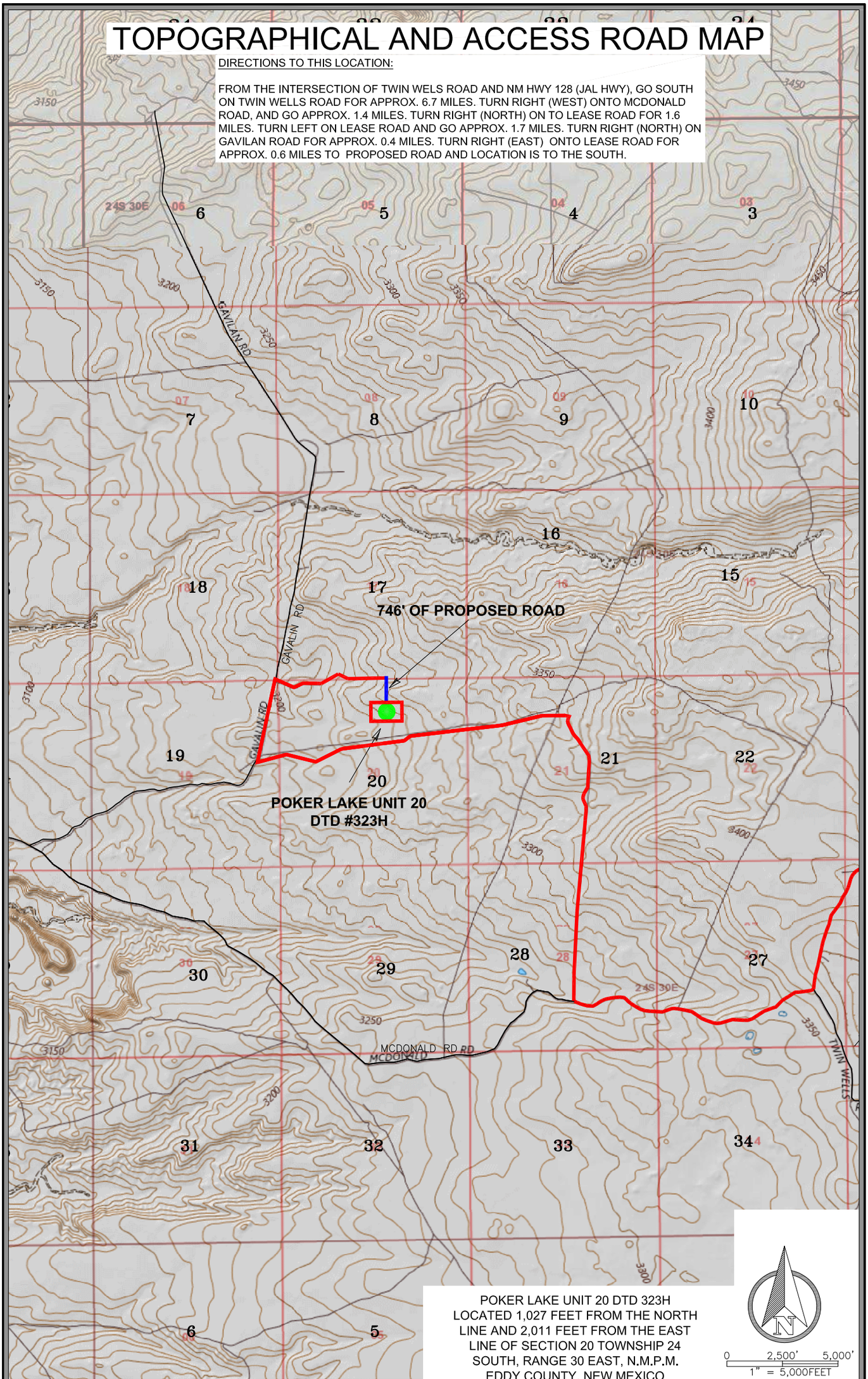
Previous Onsite information: Nov 17, 2021 with Jeff Robertson, Bureau of Land Management NRS

Other SUPO

TOPOGRAPHICAL AND ACCESS ROAD MAP

DIRECTIONS TO THIS LOCATION:

FROM THE INTERSECTION OF TWIN WELS ROAD AND NM HWY 128 (JAL HWY), GO SOUTH ON TWIN WELLS ROAD FOR APPROX. 6.7 MILES. TURN RIGHT (WEST) ONTO MCDONALD ROAD, AND GO APPROX. 1.4 MILES. TURN RIGHT (NORTH) ON TO LEASE ROAD FOR 1.6 MILES. TURN LEFT ON LEASE ROAD AND GO APPROX. 1.7 MILES. TURN RIGHT (NORTH) ON GAVILAN ROAD FOR APPROX. 0.4 MILES. TURN RIGHT (EAST) ONTO LEASE ROAD FOR APPROX. 0.6 MILES TO PROPOSED ROAD AND LOCATION IS TO THE SOUTH.



POKER LAKE UNIT 20 DTD 323H
LOCATED 1,027 FEET FROM THE NORTH
LINE AND 2,011 FEET FROM THE EAST
LINE OF SECTION 20 TOWNSHIP 24
SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO

0 2,500' 5,000'
1" = 5,000FEET

FSC INC
SURVEYORS+ENGINEERS
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE:	2-14-2022	PROJECT NO:	2022020158
DRAWN BY:	AW	SCALE:	1" = 5,000'
CHECKED BY:	AI	SHEET:	3 OF 3
FIELD CREW:	RE	REVISION:	NO

LEGEND

- SECTION LINE
- PROPOSED CENTERLINE OF ACCESS ROAD EASEMENT
- PROPOSED PAD
- EXISTING PIPELINE, (P)
- EXISTING GAS LINE (G)
- EXISTING WATER LINE (W)
- EXISTING OVERHEAD ELECTRIC (OHE)
- EXISTING ROAD
- EXISTING PAD
- FENCE (X)
- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINUS
- FOUND MONUMENT AS NOTED
- POWER POLE

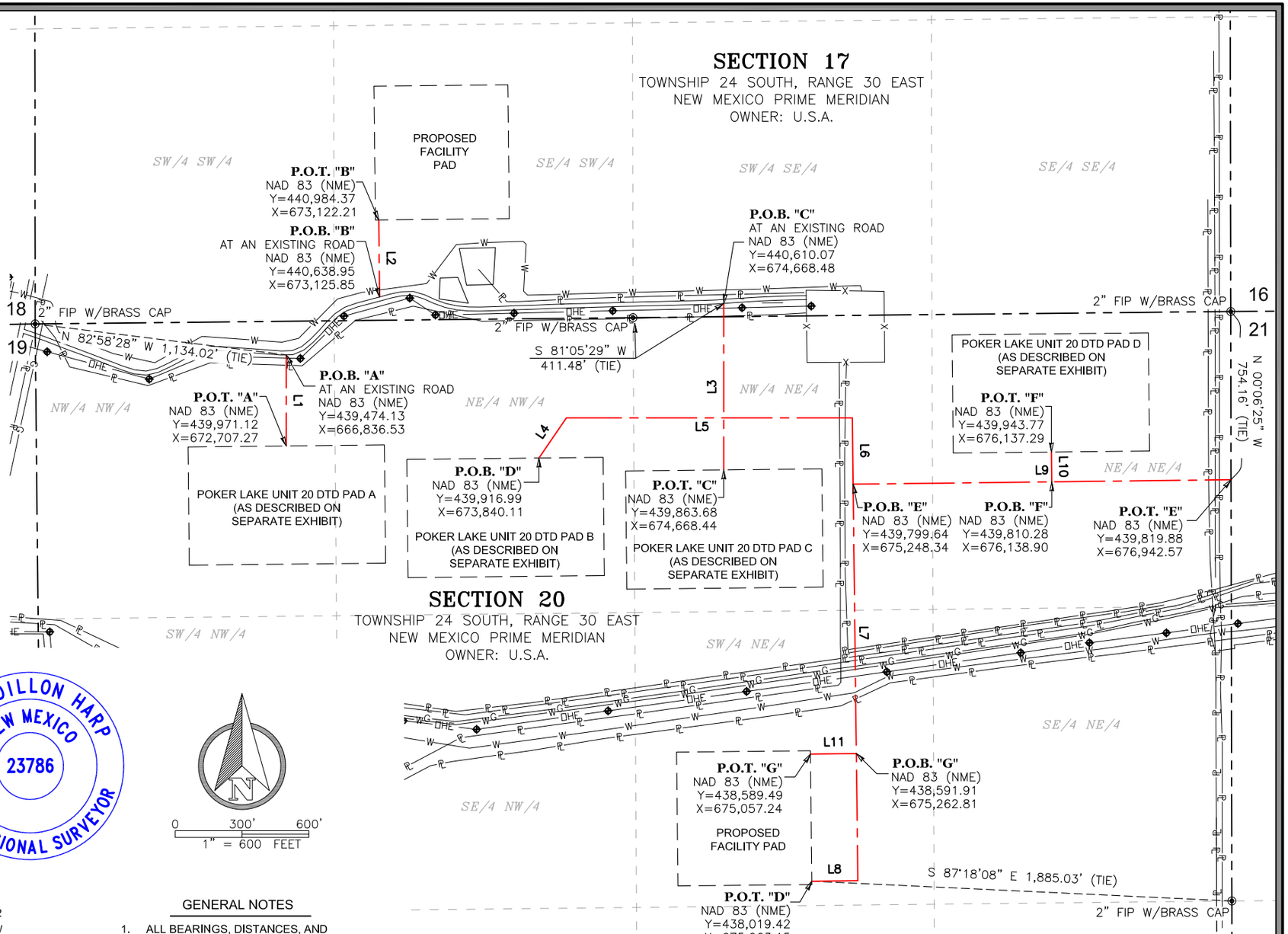
PLAT OF:

A PROPOSED CENTERLINE OF
AN ACCESS ROAD EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

SITUATED IN SECTIONS 17 AND 20,
TOWNSHIP 24 SOUTH, RANGE 30 EAST,
NEW MEXICO PRIME MERIDIAN,
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 PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 23786

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DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	1 OF 2
REVISION:	1

GENERAL NOTES

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

POKER LAKE UNIT 20 DTD PROPOSED ACCESS ROADS DESCRIPTION:

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 7,314.87 FEET, 443.33 RODS, OR 1.39 MILES IN LENGTH CROSSING SECTIONS 17 AND 20, TOWNSHIP 24 SOUTH, RANGE 30 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:

SE/4 SW/4 SECTION 17 = 345.44 FEET = 20.94 RODS = 0.24 OF AN ACRE
SW/4 SE/4 SECTION 17 = 59.52 FEET = 3.61 RODS = 0.04 OF AN ACRE
NW/4 NW/4 SECTION 20 = 408.31 FEET = 24.75 RODS = 0.28 OF AN ACRE
NE/4 NW/4 SECTION 20 = 519.46 FEET = 31.48 RODS = 0.36 OF AN ACRE
NW/4 NE/4 SECTION 20 = 2,885.74 FEET = 174.89 RODS = 1.96 ACRES
NE/4 NE/4 SECTION 20 = 1,471.69 FEET = 89.19 RODS = 1.00 ACRE
SW/4 NE/4 SECTION 20 = 1,624.71 FEET = 98.47 RODS = 1.11 ACRES

LINE TABLE "A"

LINE	BEARING	DISTANCE
L1	S 00°00'13" E	408.31'

LINE TABLE "B"

L2	N 00°36'15" W	345.44'

LINE TABLE "C"

L3	S 00°00'12" W	746.39'

LINE TABLE "D"

L4	N 34°20'26" E	217.92'
L5	N 89°59'59" E	1,281.75'
L6	S 00°41'03" E	297.31'
L7	S 00°41'11" E	1,777.80'
L8	S 89°17'42" W	206.51'

LINE TABLE "E"

L9	N 89°18'56" E	1,694.35'

LINE TABLE "F"

L10	N 00°41'27" W	133.50'

LINE TABLE "G"

L11	S 89°19'26" W	205.59'

TOTAL LENGTH = 7,314.87 FEET
OR 443.33 RODS

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www.fscinc.net

DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	2 OF 2
REVISION:	1

PLAT OF:

A PROPOSED CENTERLINE OF
AN ACCESS ROAD EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

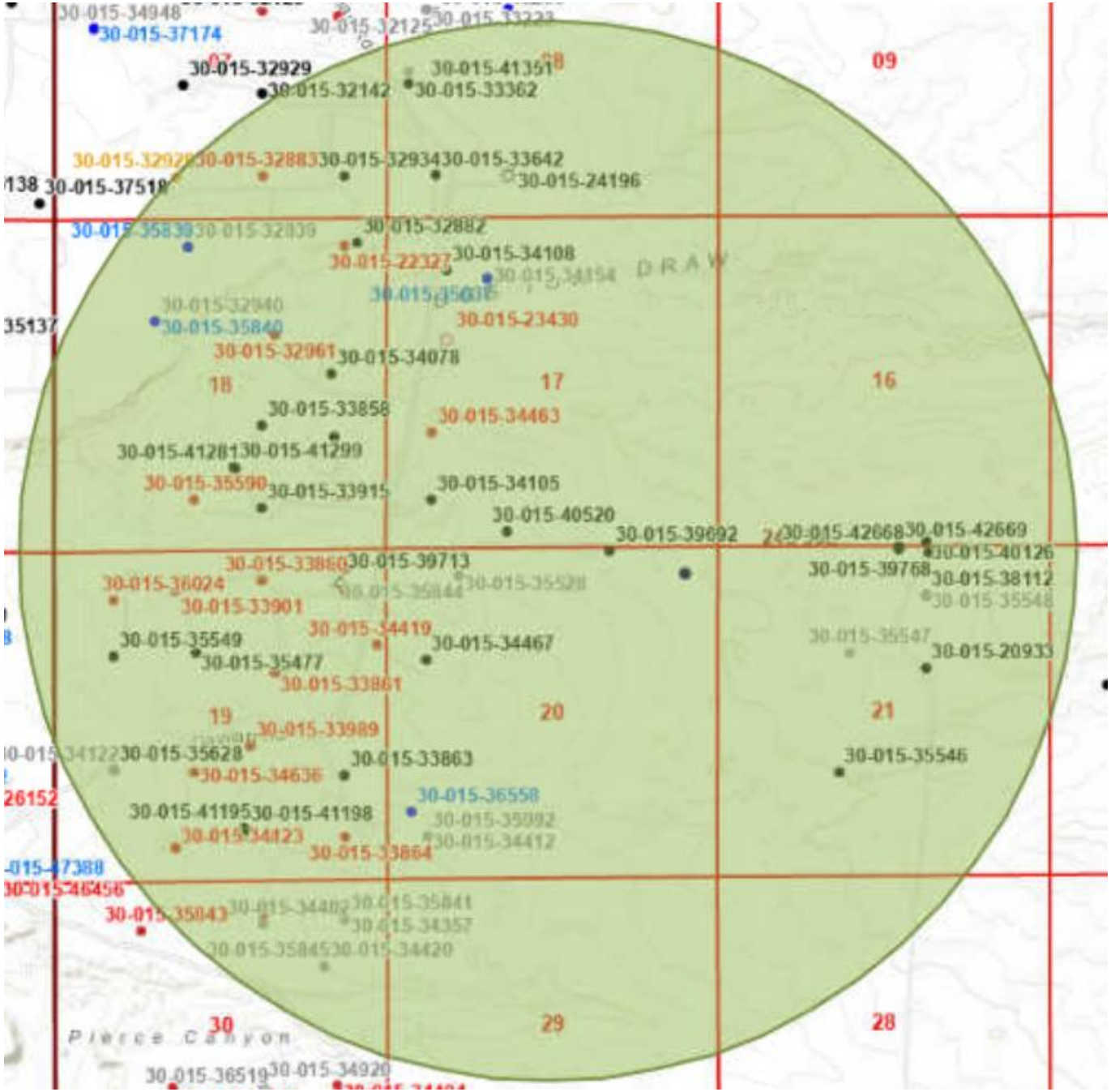
SITUATED IN SECTIONS 17 AND 20,
TOWNSHIP 24 SOUTH, RANGE 30 EAST,
NEW MEXICO PRIME MERIDIAN,
EDDY COUNTY, NEW MEXICO

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

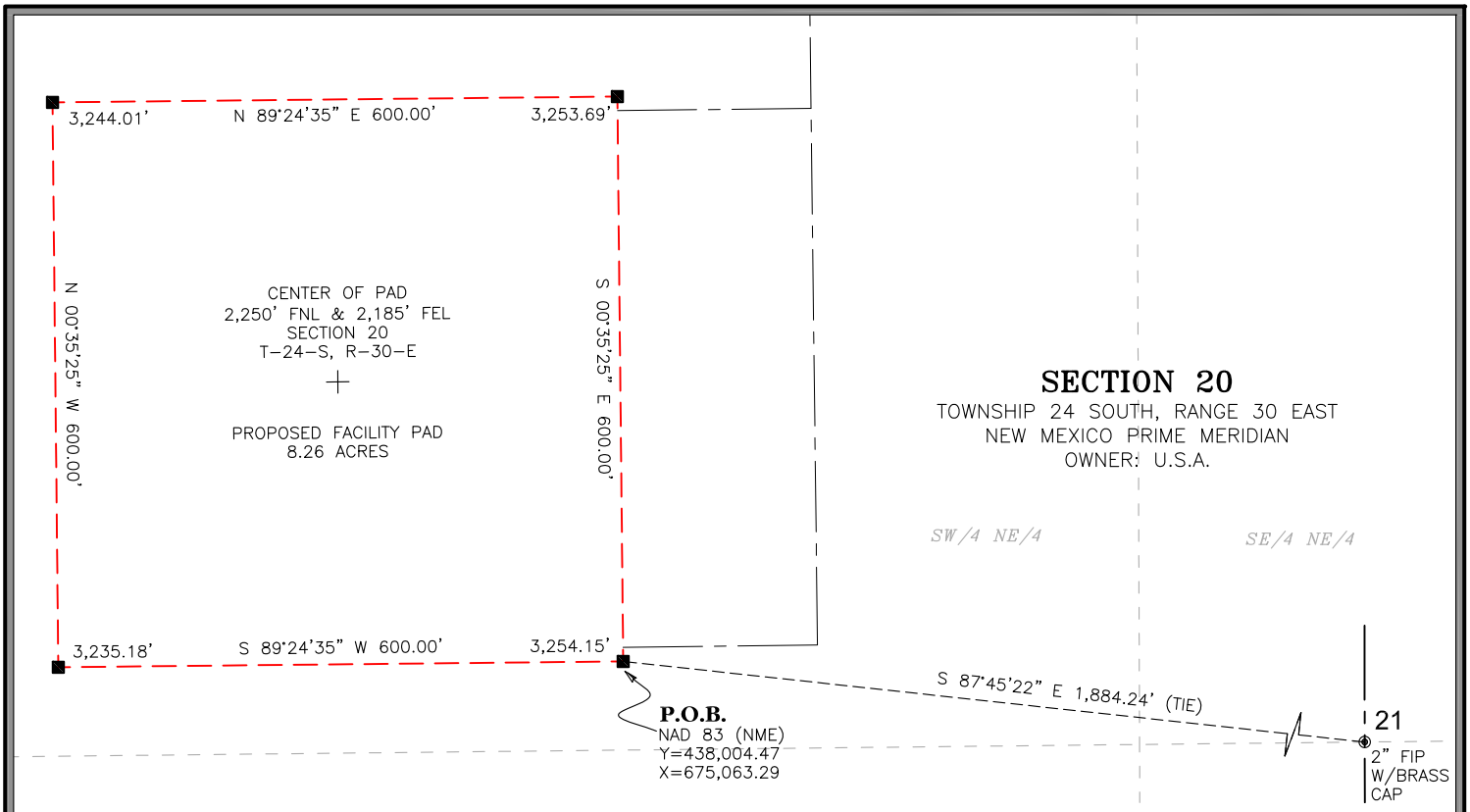
I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS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

MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 23786

1 Mile Radius Map



Poker Lake Unit 20 DTD



POKER LAKE UNIT 20 DTD PROPOSED EAST FACILITY PAD DESCRIPTION:

Description of a proposed facility pad totaling 8.26 acres and being situated in Section 20, Township 24 South, Range 30 East, New Mexico Prime Meridian, Eddy County, New Mexico and being more particularly described as follows:

BEGINNING at the southeast corner of the proposed facility pad from which a 2" iron pipe with a brass cap found for the east quarter corner of said Section 20 bears S 87°45'22" E a distance of 1,884.24 feet;

THENCE over and across said Section 20, the following courses and distances:

S 89°24'35" W, a distance of 600.00 feet to a point;

N 00°35'25" W, a distance of 600.00 feet to a point;

N 89°24'35" E, a distance of 600.00 feet to a point;

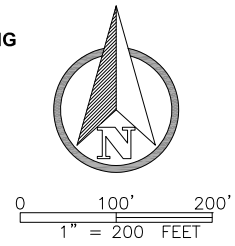
S 00°35'25" E, a distance of 600.00 feet to the **POINT OF BEGINNING** containing a total of **8.26 acres**, more or less.

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

SW/4 NE/4 Section 20 = 8.26 ACRES

LEGEND

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



GENERAL NOTES

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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 PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
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www.fscinc.net

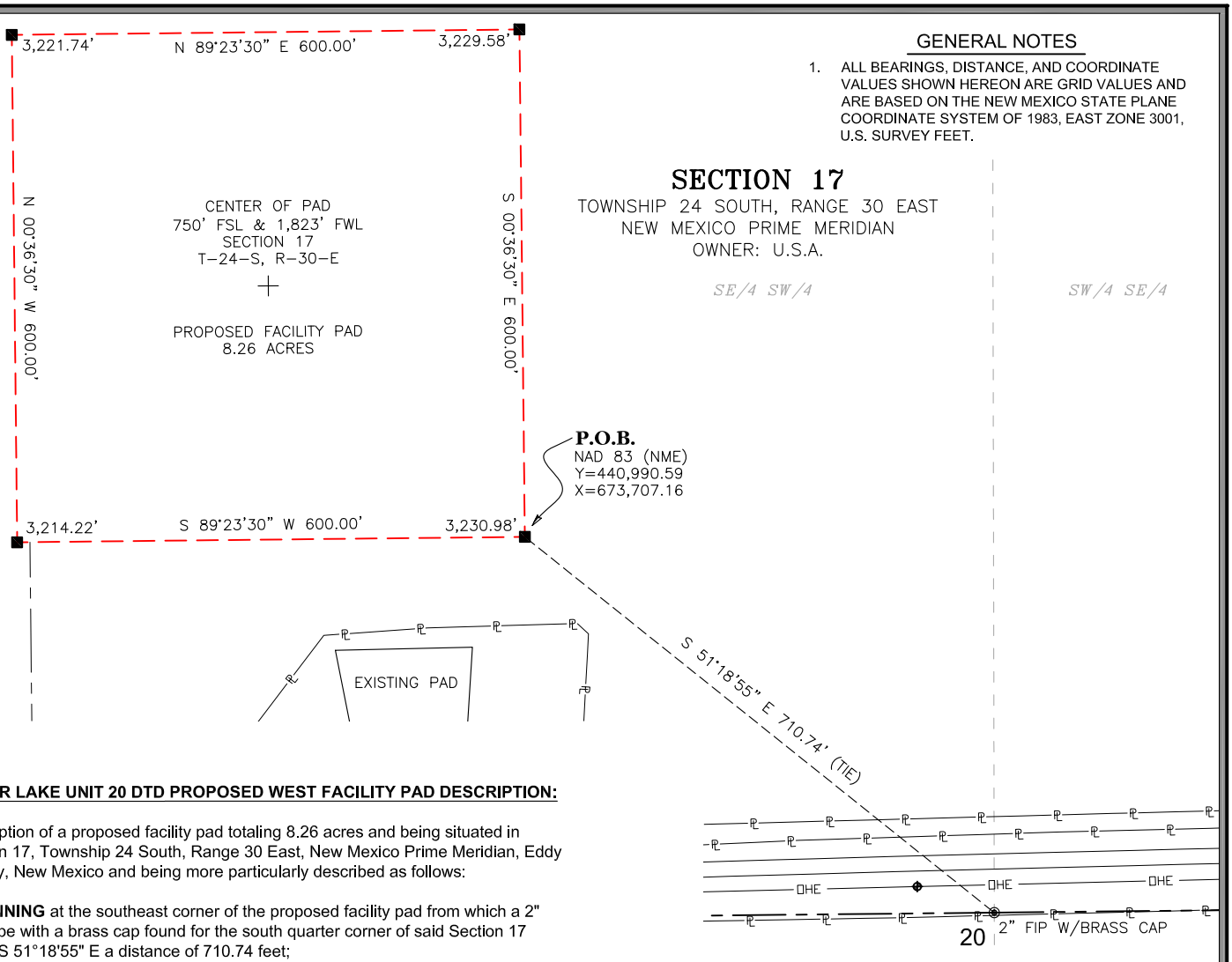
XTO PERMIAN OPERATING, LLC.

PROPOSED EAST FACILITY PAD
POKER LAKE UNIT 20 DTD

SURVEY FOR A PROPOSED FACILITY PAD SITUATED IN THE NE/4 OF SECTION 20, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

DATE:	05/27/2022	PROJECT NO:	2021101422
DRAWN BY:	AW	SCALE:	1" = 200'
CHECKED BY:	AI	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

P:\PROJECTS\2021\2021101422-XTO-POKER_LAKE_UNIT_20_DTD_EAST_FACILITY_PAD\DWG\FACILITY_PADS\2021101422-XTO-POKER_LAKE_UNIT_20_DTD_EAST_FACILITY_PAD.dwg, Adobe PDF



GENERAL NOTES

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

POKER LAKE UNIT 20 DTD PROPOSED WEST FACILITY PAD DESCRIPTION:

Description of a proposed facility pad totaling 8.26 acres and being situated in Section 17, Township 24 South, Range 30 East, New Mexico Prime Meridian, Eddy County, New Mexico and being more particularly described as follows:

BEGINNING at the southeast corner of the proposed facility pad from which a 2" iron pipe with a brass cap found for the south quarter corner of said Section 17 bears S 51°18'55" E a distance of 710.74 feet;

THENCE over and across said Section 17, the following courses and distances:

S 89°23'30" W, a distance of 600.00 feet to a point;

N 00°36'30" W, a distance of 600.00 feet to a point;

N 89°23'30" E, a distance of 600.00 feet to a point;

S 00°36'30" E, a distance of 600.00 feet to the **POINT OF BEGINNING** containing a total of **8.26 acres**, more or less.

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

SE/4 NW/4 Section 17 = 8.26 ACRES

LEGEND

- SECTION LINE
- PROPOSED PAD
- PROPOSED ROAD
- EXISTING PIPELINE
- EXISTING PAD
- EXISTING OVERHEAD ELECTRIC
- POWER POLE
- P.O.B. POINT OF BEGINNING
- FOUND MONUMENT AS NOTED

0 100' 200'
1" = 200 FEET

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 PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 23786

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

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

XTO PERMIAN OPERATING, LLC.

PROPOSED WEST FACILITY PAD
POKER LAKE UNIT 20 DTD

SURVEY FOR A PROPOSED FACILITY PAD SITUATED IN THE SW/4 OF SECTION 17, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

DATE:	05/27/2022	PROJECT NO:	2021101422
DRAWN BY:	AW	SCALE:	1" = 200'
CHECKED BY:	AI	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

LEGEND

———	SECTION LINE
———	PROPOSED CENTERLINE OF ACCESS ROAD EASEMENT
FL FL	PROPOSED CENTERLINE OF BURIED AND SURFACE FLOW LINE EASEMENT
	PROPOSED PAD
P P	EXISTING PIPELINE,
G G	EXISTING GAS LINE
W W	EXISTING WATER LINE
OHE	EXISTING OVERHEAD ELECTRIC
	EXISTING ROAD
	EXISTING PAD
X X	FENCE
P.O.B.	POINT OF BEGINNING
P.O.T.	POINT OF TERMINUS
◉	FOUND MONUMENT AS NOTED
✥	POWER POLE

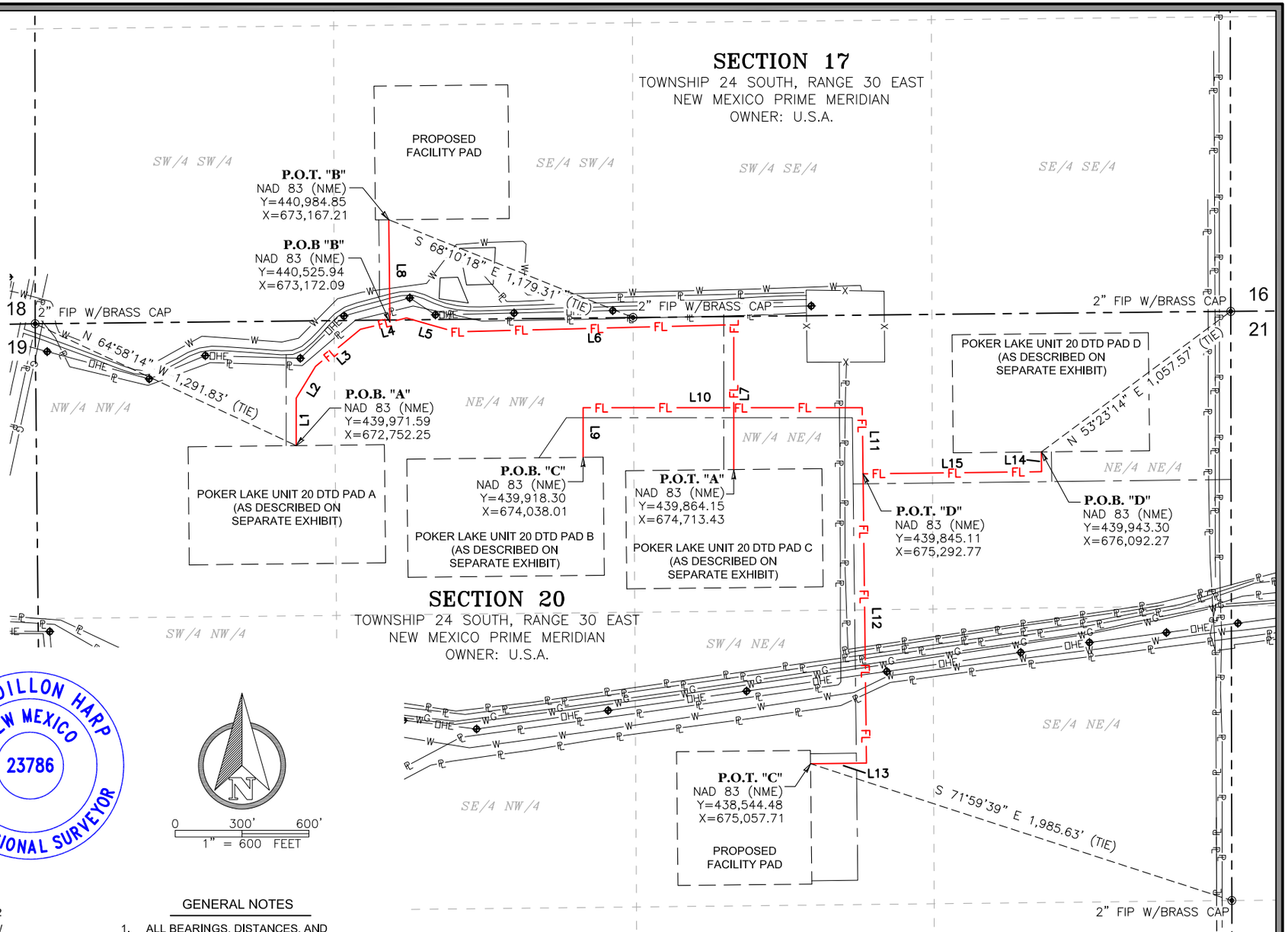
PLAT OF:

A PROPOSED CENTERLINE OF A BURIED AND SURFACE FLOW LINE EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

SITUATED IN SECTIONS 17 AND 20, TOWNSHIP 24 SOUTH, RANGE 30 EAST, NEW MEXICO PRIME MERIDIAN, EDDY COUNTY, NEW MEXICO



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DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	1 OF 2
REVISION:	1

GENERAL NOTES

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

POKER LAKE UNIT 20 DTD PROPOSED BURIED AND SURFACE FLOW LINE DESCRIPTION:

SURVEY OF A STRIP OF LAND 60.0 FEET WIDE AND 7,647.92 FEET, 463.51 RODS, OR 1.45 MILES IN LENGTH CROSSING SECTIONS 17 AND 20, TOWNSHIP 24 SOUTH, RANGE 30 EAST N.M.P.M. EDDY COUNTY, NEW MEXICO AND BEING 30.0 FEET RIGHT AND 30.0 FEET LEFT OF THE ABOVE PLATTED CENTERLINE SURVEY, COMPRISING OF 10.38 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

SE/4 SW/4 SECTION 17 = 518.01 FEET = 31.40 RODS = 0.73 OF AN ACRE
NW/4 NW/4 SECTION 20 = 489.02 FEET = 29.64 RODS = 0.68 OF AN ACRE
NE/4 NW/4 SECTION 20 = 1,780.17FEET = 107.89 RODS = 2.40 ACRES
NW/4 NE/4 SECTION 20 = 3,344.78 FEET = 202.71 RODS = 4.48 ACRES
NE/4 NE/4 SECTION 20 = 577.72 FEET = 35.01 RODS = 0.80 OF AN ACRE
SW/4 NE/4 SECTION 20 = 938.22 FEET = 56.86 RODS = 1.29 ACRES

LINE TABLE "A"

LINE	BEARING	DISTANCE
L1	N 00°00'03" E	213.34'
L2	N 31°17'58" E	166.16'
L3	N 50°22'15" E	260.75'
L4	N 76°08'46" E	213.37'
L5	S 74°02'41" E	226.49'
L6	N 88°31'54" E	1,249.56'
L7	S 00°00'13" W	649.91'

LINE TABLE "B"

L8	N 00°36'33" W	458.94'

LINE TABLE "C"

L9	N 00°00'57" W	223.64'
L10	S 89°59'55" E	1,251.27'
L11	S 00°41'08" E	296.81'
L12	S 00°41'12" E	1,297.78'
L13	S 89°19'36" W	250.63'

LINE TABLE "D"

L14	S 00°42'00" E	88.63'
L15	S 89°18'57" W	800.64'

TOTAL LENGTH = 7,647.92 FEET
OR 463.51 RODS

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

GENERAL NOTES

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PLAT OF:

A PROPOSED CENTERLINE OF
A BURIED AND SURFACE
FLOW LINE EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

SITUATED IN SECTIONS 17 AND 20,
TOWNSHIP 24 SOUTH, RANGE 30 EAST,
NEW MEXICO PRIME MERIDIAN,
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 PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	2 OF 2
REVISION:	1

LEGEND

———	SECTION LINE
———	PROPOSED CENTERLINE OF ACCESS ROAD EASEMENT
——OHE——	PROPOSED CENTERLINE OF ELECTRIC LINE EASEMENT
— — —	PROPOSED PAD
——P——P——	EXISTING PIPELINE,
——G——G——	EXISTING GAS LINE
——W——W——	EXISTING WATER LINE
——OHE——	EXISTING OVERHEAD ELECTRIC
———	EXISTING ROAD
———	EXISTING PAD
——X——X——	FENCE
P.O.B.	POINT OF BEGINNING
P.O.T.	POINT OF TERMINUS
◉	FOUND MONUMENT AS NOTED
✥	POWER POLE

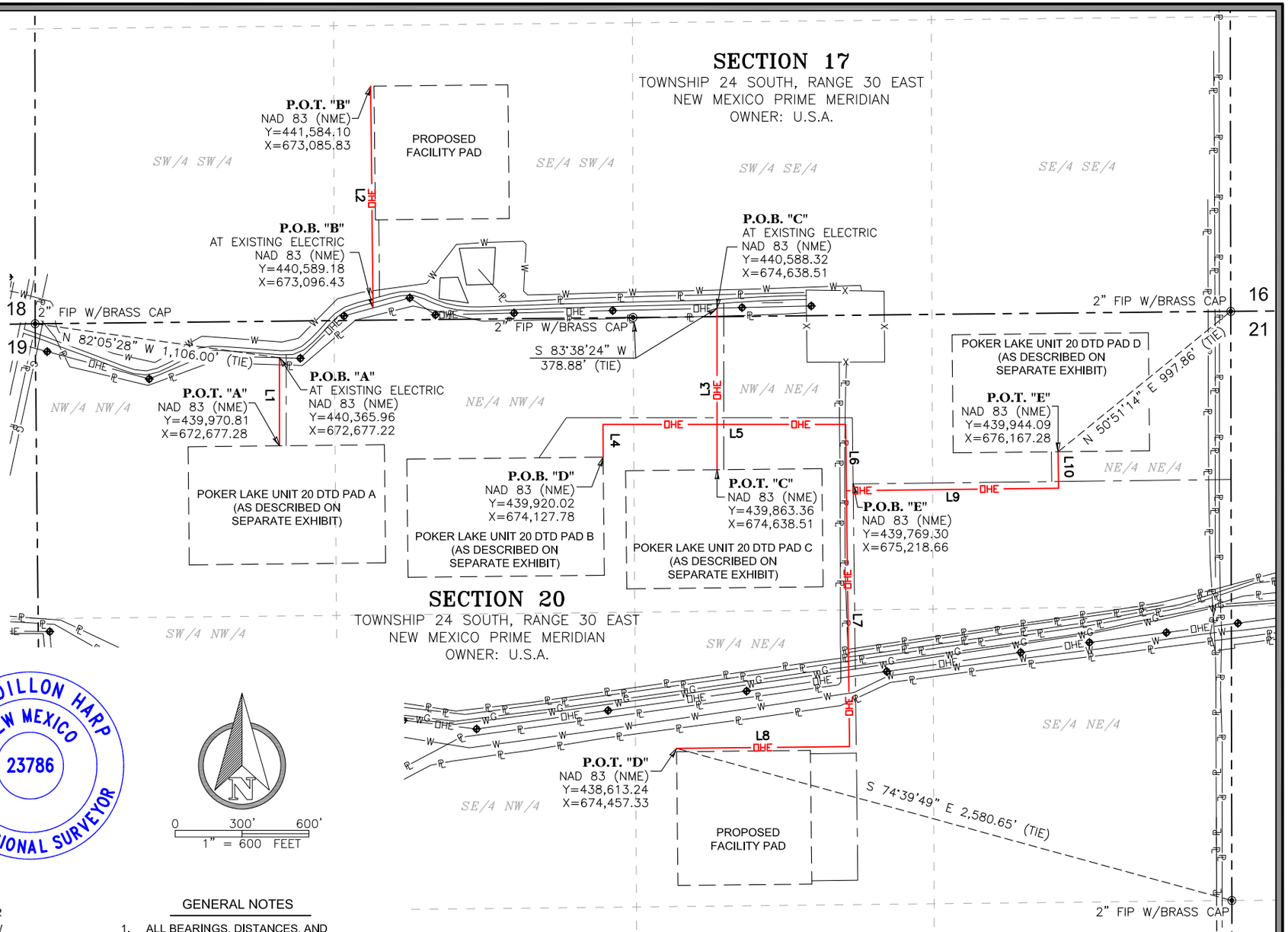
PLAT OF:

A PROPOSED CENTERLINE OF AN OVERHEAD ELECTRIC LINE EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

SITUATED IN SECTIONS 17 AND 20,
TOWNSHIP 24 SOUTH, RANGE 30 EAST,
NEW MEXICO PRIME MERIDIAN,
EDDY COUNTY, NEW MEXICO



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DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	1 OF 2
REVISION:	1

GENERAL NOTES

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

POKER LAKE UNIT 20 DTD PROPOSED OVERHEAD ELECTRIC LINE DESCRIPTION:

SURVEY OF A STRIP OF LAND 30.0 FEET WIDE AND 6,684.51 FEET, 405.12 RODS, OR 1.27 MILES IN LENGTH CROSSING SECTIONS 17 AND 20, TOWNSHIP 24 SOUTH, RANGE 30 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 4.59 ACRES AND DIVIDED IN EACH QUARTER QUARTER AS FOLLOWS:

SE/4 SW/4 SECTION 17 = 994.97 FEET = 60.30 RODS = 0.69 OF AN ACRE
SW/4 SE/4 SECTION 17 = 38.09 FEET = 2.31 RODS = 0.03 OF AN ACRE
NW/4 NW/4 SECTION 20 = 395.15 FEET = 23.95 RODS = 0.27 OF AN ACRE
NE/4 NW/4 SECTION 20 = 283.89 FEET = 17.21 RODS = 0.20 OF AN ACRE
NW/4 NE/4 SECTION 20 = 2,856.06 FEET = 173.09 RODS = 1.94 ACRES
NE/4 NE/4 SECTION 20 = 728.22 FEET = 44.13 RODS = 0.50 OF AN ACRE
SW/4 NE/4 SECTION 20 = 1,388.13 FEET = 84.13 RODS = 0.96 OF AN ACRE

LINE TABLE "A"

LINE	BEARING	DISTANCE
L1	S 00°00'34" E	395.15'

LINE TABLE "B"

L2	N 00°36'38" W	994.97'

LINE TABLE "C"

L3	S 00°00'01" W	724.96'

LINE TABLE "D"

L4	N 00°00'06" W	146.90'
L5	N 89°59'54" E	1,087.36'
L6	S 00°40'36" E	297.67'
L7	S 00°41'21" E	1,148.13'
L8	S 89°24'28" W	775.18'

LINE TABLE "E"

L9	N 89°19'16" E	950.65'
L10	N 00°41'03" W	163.54'

TOTAL LENGTH = 6,684.51 FEET
OR 405.12 RODS

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

GENERAL NOTES

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

PLAT OF:

A PROPOSED CENTERLINE OF AN
OVERHEAD ELECTRIC LINE EASEMENT FOR:

XTO PERMIAN OPERATING, LLC.

POKER LAKE UNIT 20 DTD

SITUATED IN SECTIONS 17 AND 20,
TOWNSHIP 24 SOUTH, RANGE 30 EAST,
NEW MEXICO PRIME MERIDIAN,
EDDY COUNTY, NEW MEXICO

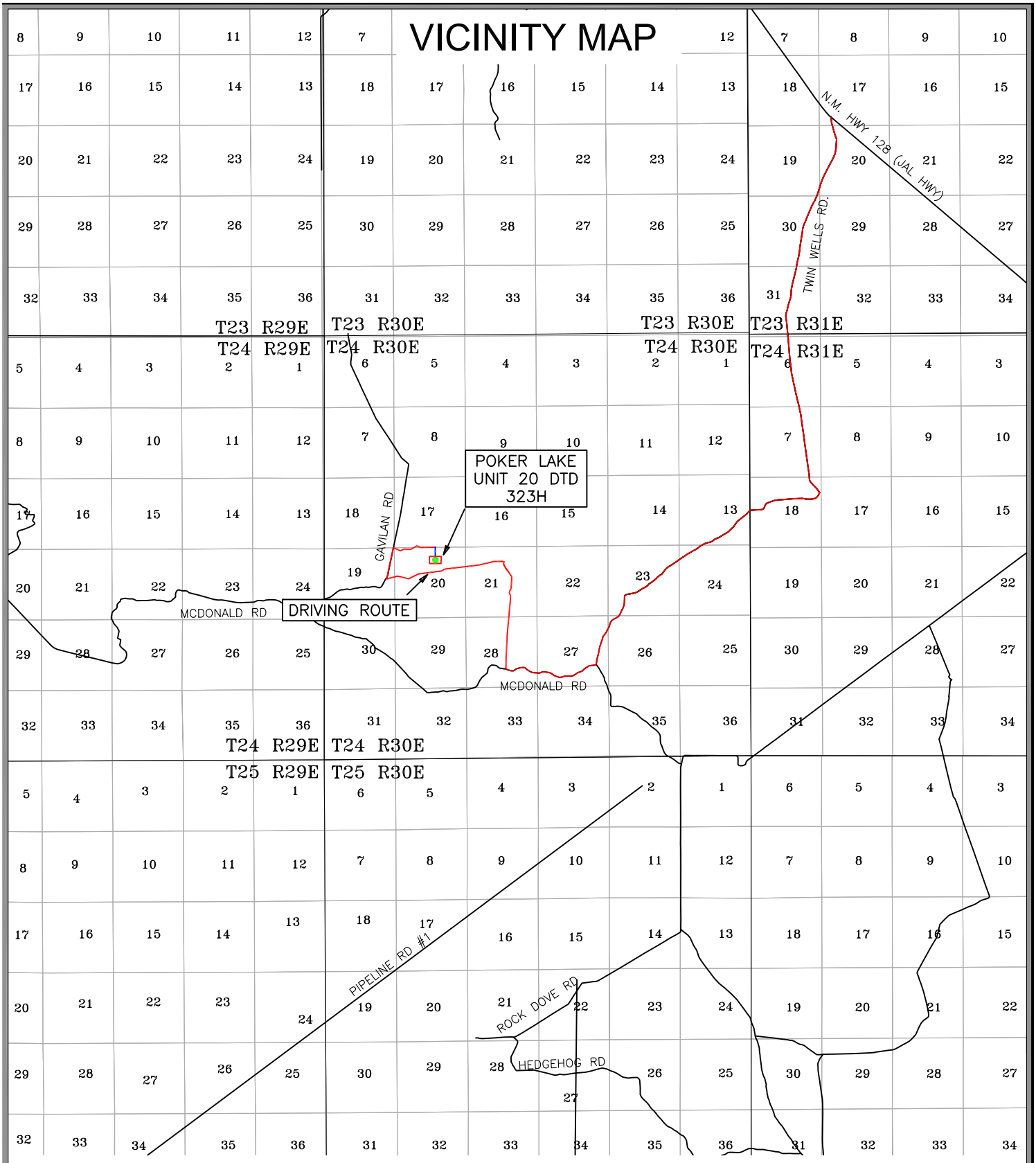
I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS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

MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 23786

FSC INC
SURVEYORS+ENGINEERS
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE:	05/19/2022
DRAWN BY:	AW
CHECKED BY:	AI
FIELD CREW:	RE
PROJECT NO:	2021101422
SCALE:	1" = 600'
SHEET:	2 OF 2
REVISION:	1

VICINITY MAP



POKER LAKE UNIT 20 DTD 323H
LOCATED 1,027 FEET FROM THE NORTH
LINE AND 2,011 FEET FROM THE EAST
LINE OF SECTION 20 TOWNSHIP 24
SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO

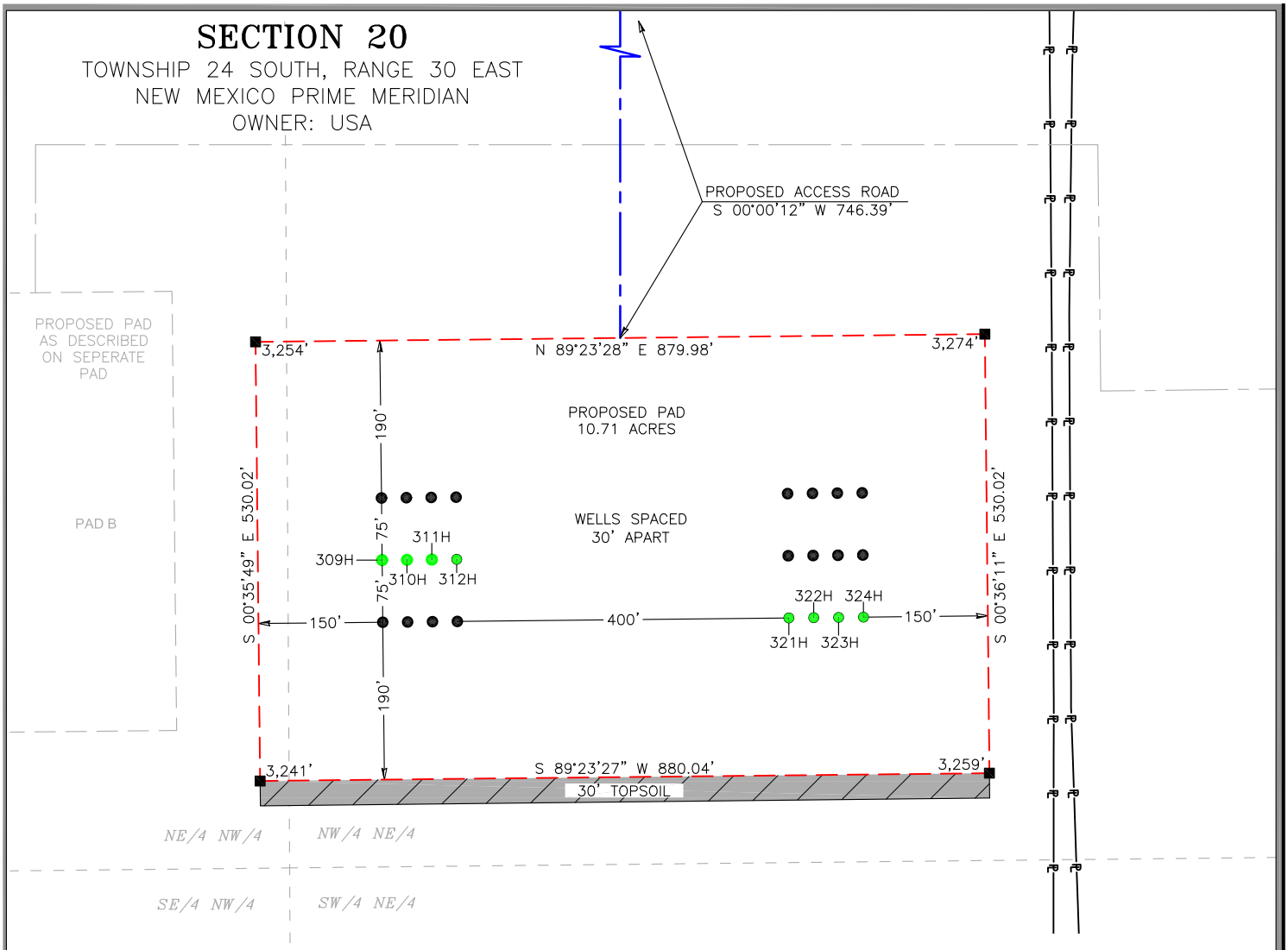
0 2500 5000
1" = 10,000'FEET

FSC INC
SURVEYORS+ENGINEERS
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

DATE:	2-14-2022
DRAWN BY:	LM
CHECKED BY:	AI
FIELD CREW:	RE/PD
PROJECT NO:	2022020158
SCALE:	1"= 10,000
SHEET:	2 OF 3
REVISION:	NO

SECTION 20

TOWNSHIP 24 SOUTH, RANGE 30 EAST
NEW MEXICO PRIME MERIDIAN
OWNER: USA



DIRECTIONS TO THIS LOCATION:

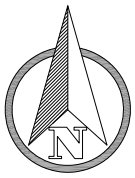
FROM THE INTERSECTION OF TWIN WELS ROAD AND NM HWY 128 (JAL HWY), GO SOUTH ON TWIN WELLS ROAD FOR APPROX. 6.7 MILES. TURN RIGHT (WEST) ONTO MCDONALD ROAD, AND GO APPROX. 1.4 MILES. TURN RIGHT (NORTH) ON TO LEASE ROAD FOR 1.6 MILES. TURN LEFT ON LEASE ROAD AND GO APPROX. 1.7 MILES. TURN RIGHT (NORTH) ON GAVILAN ROAD FOR APPROX. 0.4 MILES. TURN RIGHT (EAST) ONTO LEASE ROAD FOR APPROX. 0.6 MILES TO PROPOSED ROAD AND LOCATION IS TO THE SOUTH.

LEGEND

- PROPOSED PAD
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- STAKED WELL
- TBD WELL

GENERAL NOTES

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



0 100' 200'
1" = 200 FEET

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 PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 23786

FSC INC
SURVEYORS+ENGINEERS
550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net

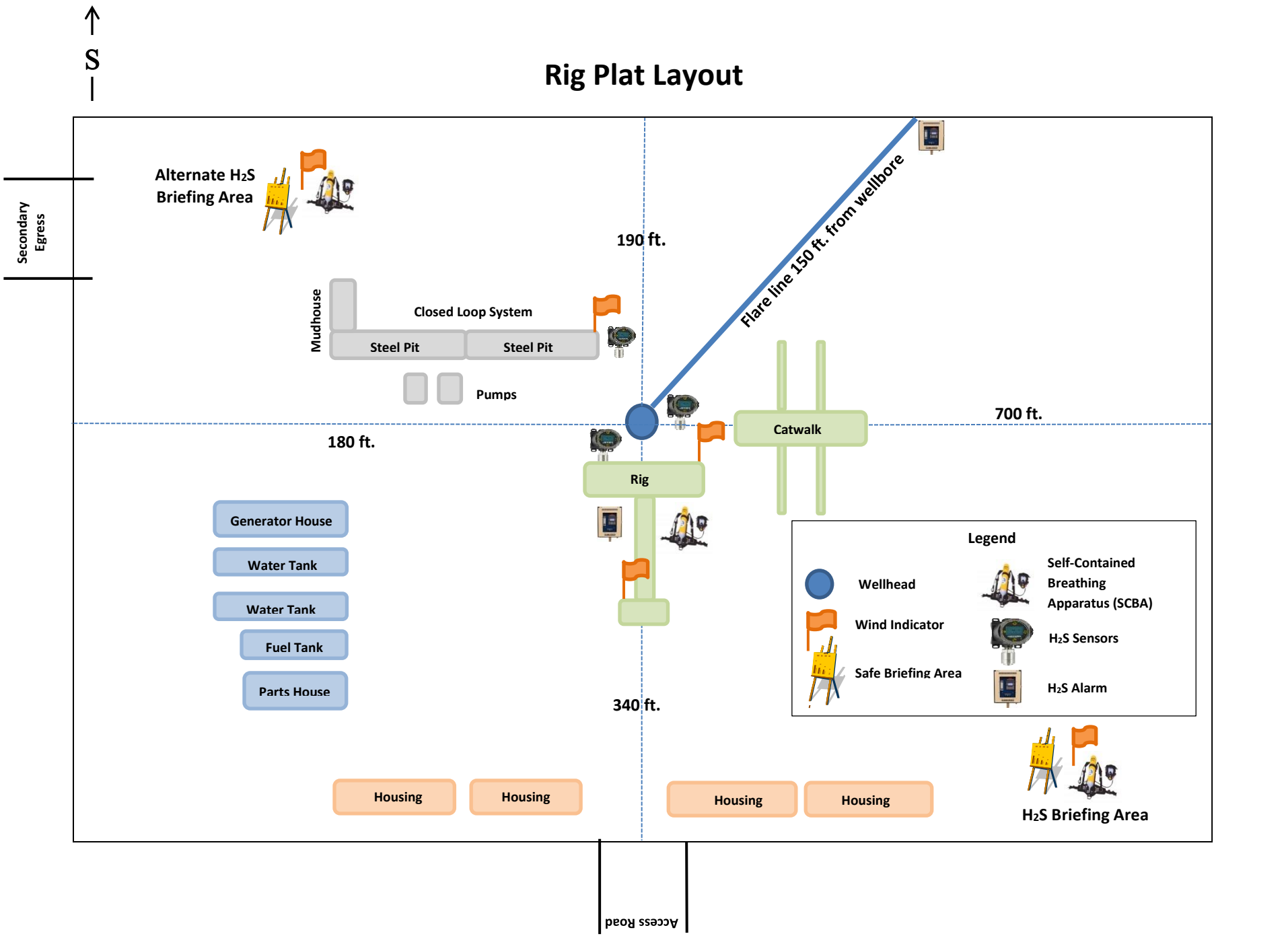
XTO PERMIAN OPERATING, LLC.

WELL SITE PLAN

POKER LAKE UNIT 20 DTD PAD C
LOCATED 952 FEET FROM THE NORTH LINE
AND 2,272 FEET FROM THE EAST LINE OF
SECTION 20, TOWNSHIP 24 SOUTH, RANGE 30
EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

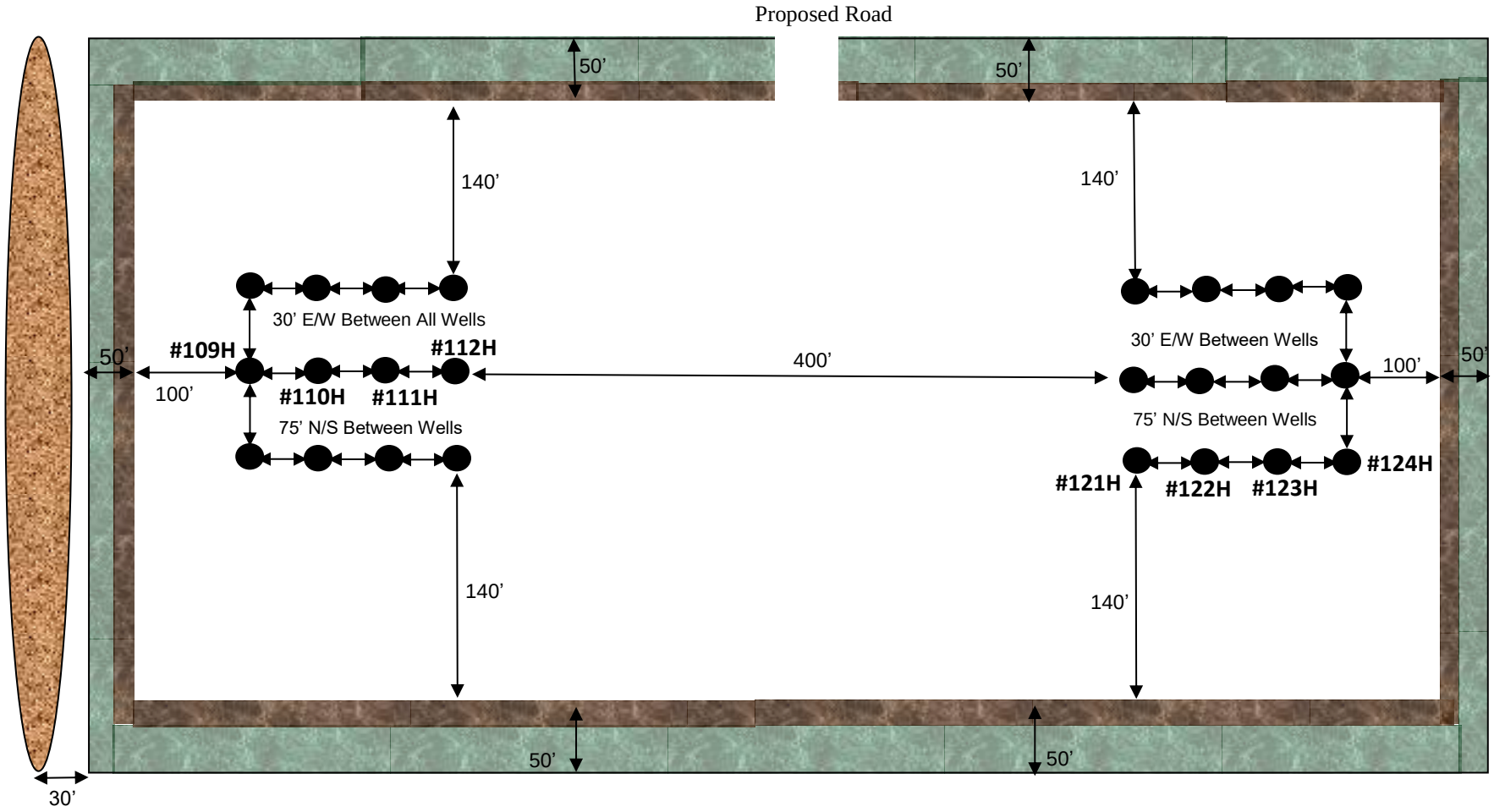
DATE:	02-15-2022	PROJECT NO:	2021101422
DRAWN BY:	AW	SCALE:	1" = 200'
CHECKED BY:	LM	SHEET:	1 OF 1
FIELD CREW:	RE	REVISION:	NO

Rig Plat Layout



Interim Reclamation Diagram

Poker Lake Unit 20 DTD: 109H, 110H, 111H, 112H, 121H, 122H, 123H, 124H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

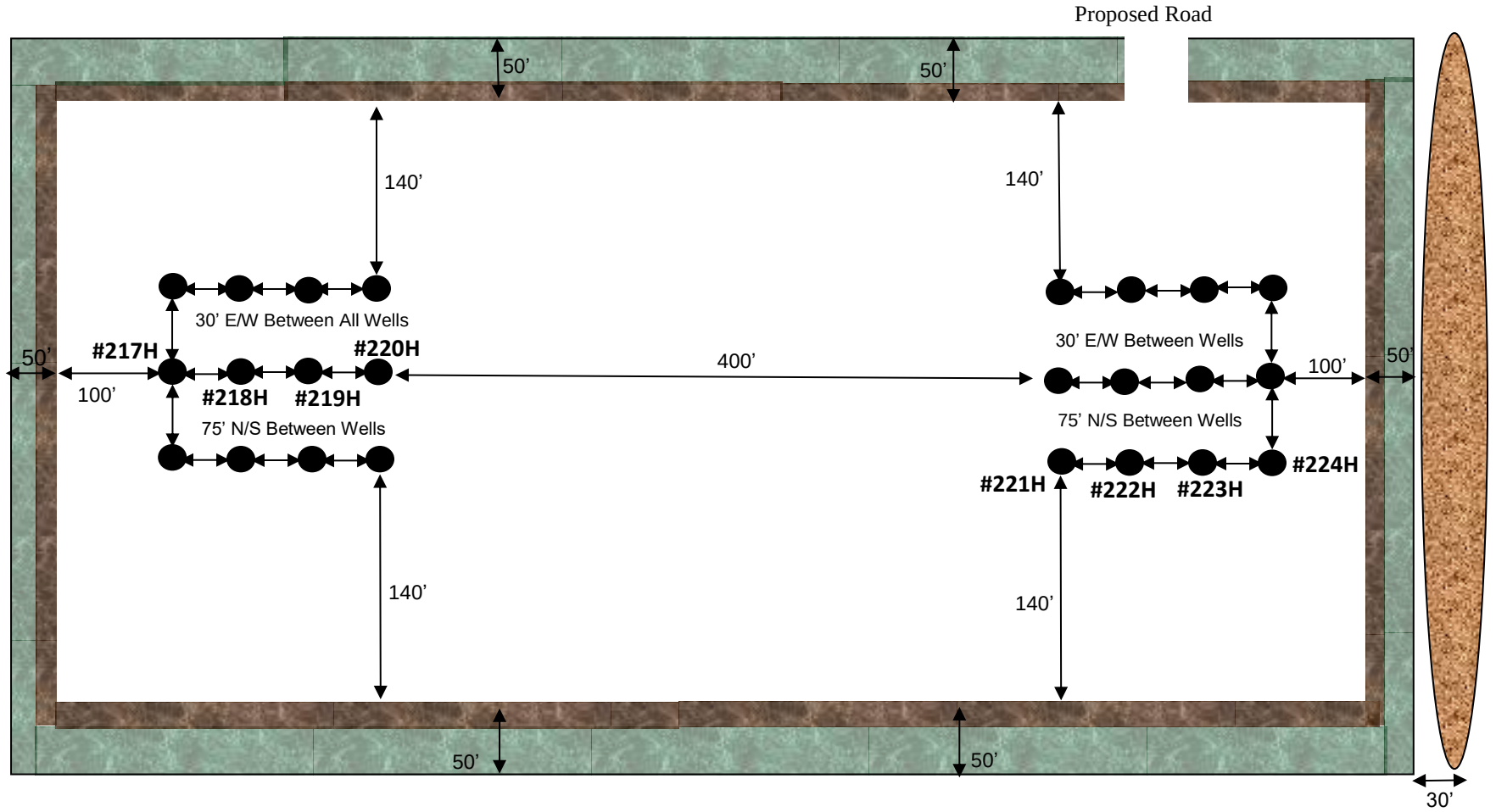
Ditch & Berm

Topsoil

*Diagram Not to Scale

Interim Reclamation Diagram

Poker Lake Unit 20 DTD: 217H, 218H, 219H, 220H, 221H, 222H, 223H, 224H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

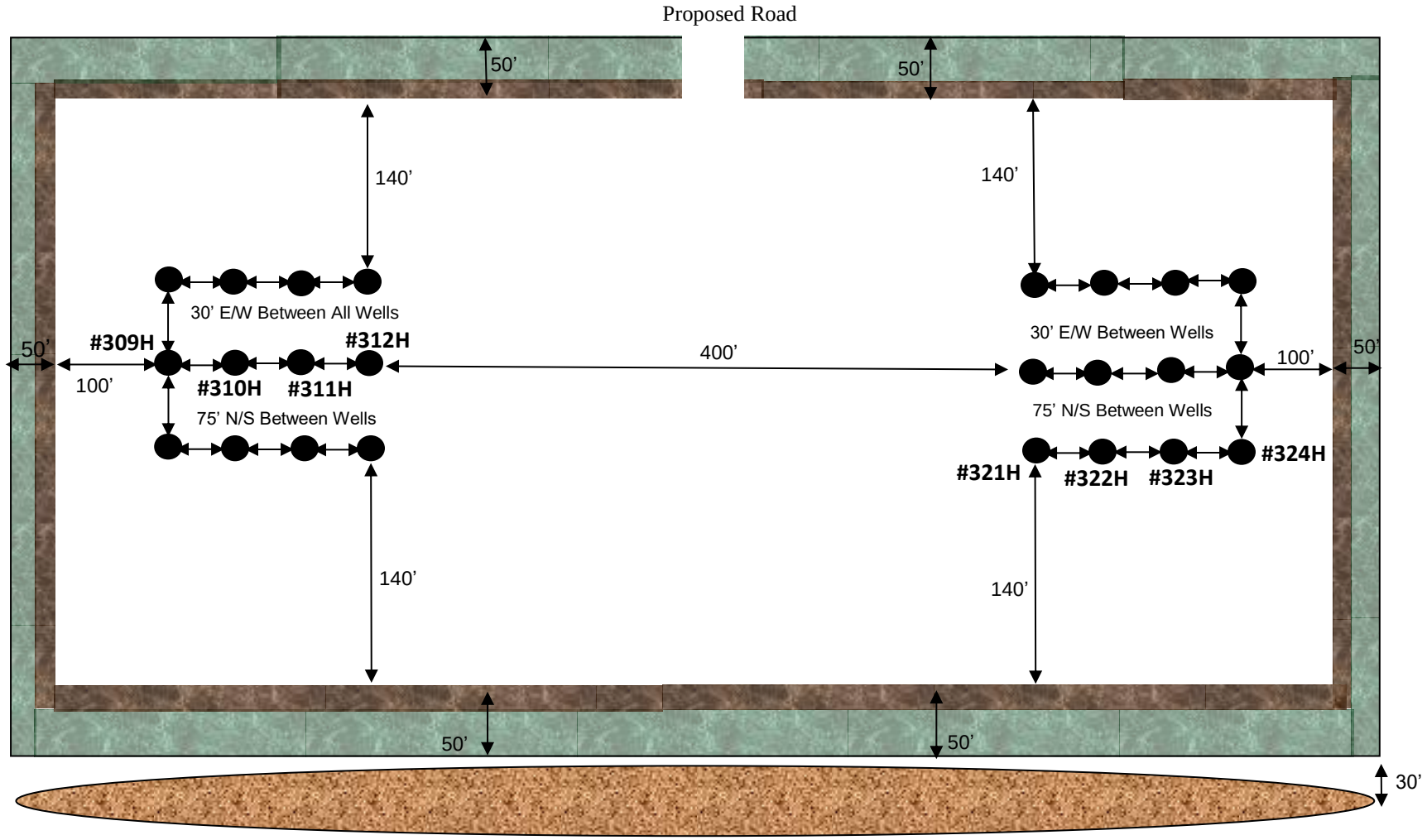
Ditch & Berm

Topsoil

*Diagram Not to Scale

Interim Reclamation Diagram

Poker Lake Unit 20 DTD: 309H, 310H, 311H, 312H, 321H, 322H, 323H, 324H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

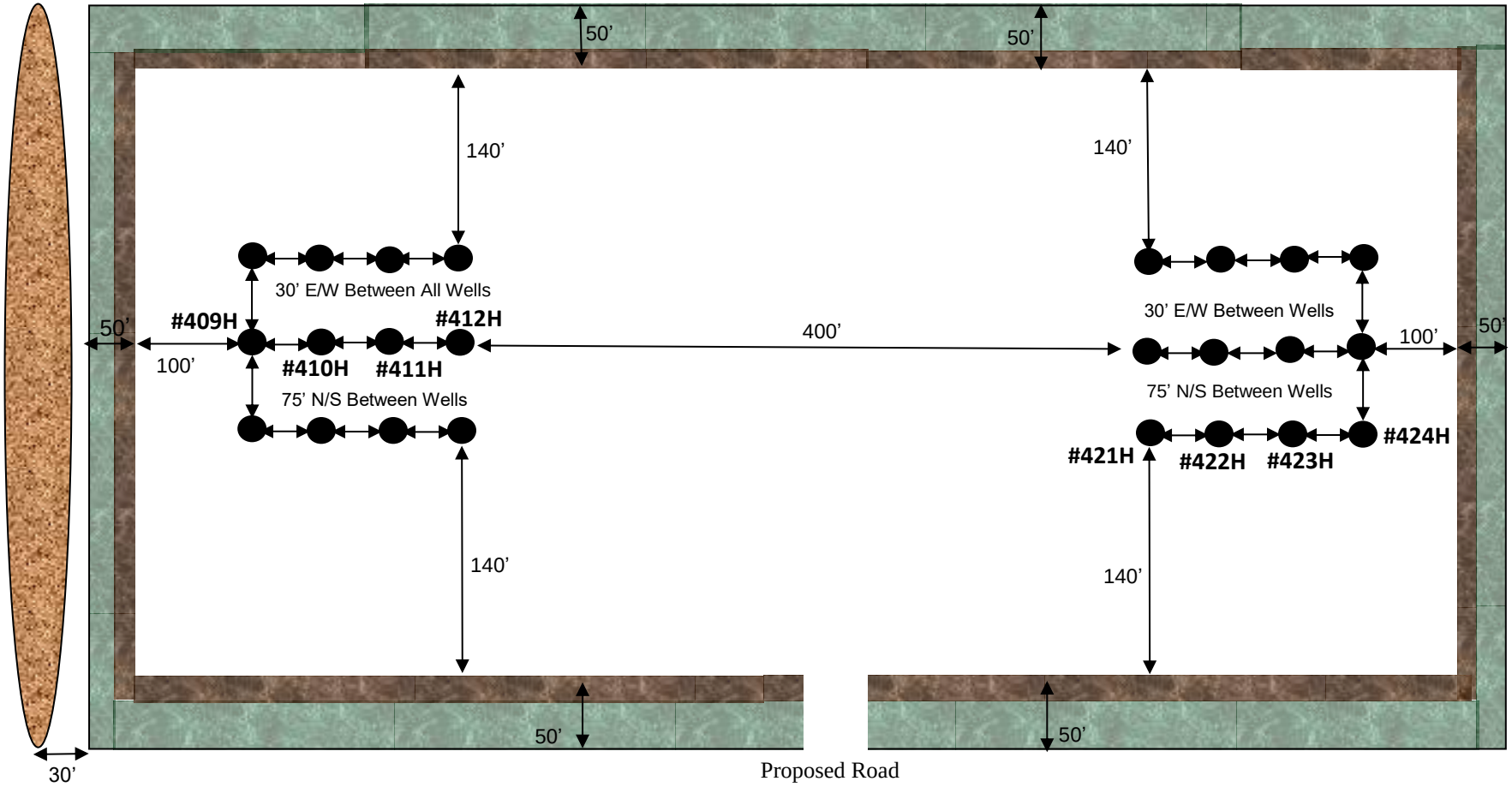
Ditch & Berm

Topsoil

*Diagram Not to Scale

Interim Reclamation Diagram

Poker Lake Unit 20 DTD: 409H, 410H, 411H, 412H, 421H, 422H, 423H, 424H
All Wells Without Numbers are 'TBD' Allocations for Future Development



LEGEND

N

Wellbore

Interim Reclamation

Ditch & Berm

Topsoil

*Diagram Not to Scale

AFMSS

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

PWD Data Report

10/06/2023

APD ID: 10400089190 **Submission Date:** 11/28/2022

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

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

Section 1 - General

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

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Lined pit Monitor description:

Lined pit Monitor

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

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

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

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

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

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

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

TDS lab results:

Geologic and hydrologic

State

Unlined Produced Water Pit Estimated

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

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

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

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

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

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

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

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

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

Other PWD discharge volume (bbl/day):

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 20 DTD **Well Number:** 323H

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

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

Bond Info Data
10/06/2023

APD ID: 10400089190
Submission Date: 11/28/2022
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 20 DTD
Well Number: 323H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: COB000050

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015- 54913	98220	Purple Sage; Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
335377	POKER LAKE UNIT 20 DTD	323H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,259'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	24 S	30 E		1,027	NORTH	2,011	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	23 S	30 E		200	NORTH	2,310	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
959.92			

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

[16]

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	439,526.5	Y =	461,385.1
X =	674,932.0	X =	674,545.7
LAT. =	32.207597 °N	LAT. =	32.267687 °N
LONG. =	103.901392 °W	LONG. =	103.902358 °W
FTP (NAD83 NME)		BHL (NAD83 NME)	
Y =	440,650.2	Y =	461,515.1
X =	674,631.0	X =	674,545.1
LAT. =	32.210690 °N	LAT. =	32.268045 °N
LONG. =	103.902351 °W	LONG. =	103.902358 °W

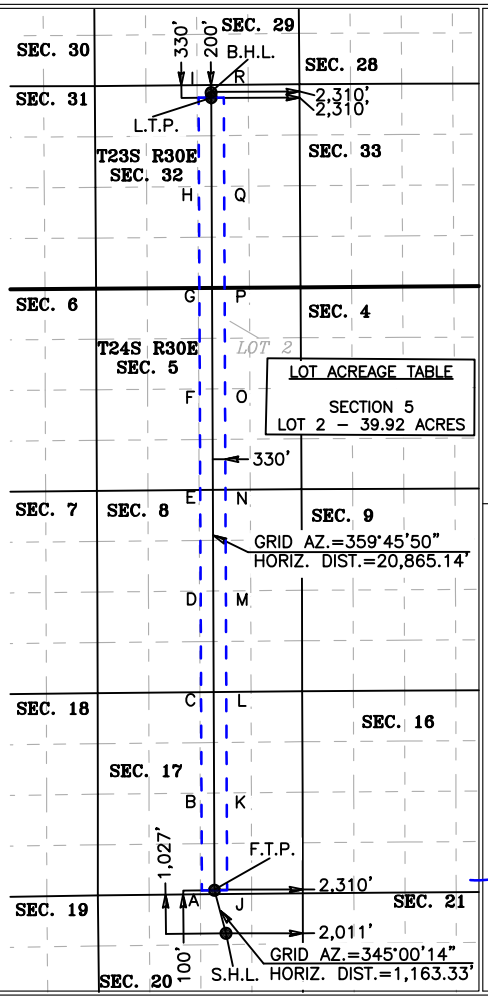
CORNER COORDINATES (NAD83 NME)

A - Y =	440,546.3 N	X =	674,262.0 E
B - Y =	443,191.1 N	X =	674,257.0 E
C - Y =	445,833.9 N	X =	674,252.0 E
D - Y =	448,476.6 N	X =	674,239.9 E
E - Y =	451,121.5 N	X =	674,227.8 E
F - Y =	453,764.5 N	X =	674,219.4 E
G - Y =	456,405.4 N	X =	674,211.1 E
H - Y =	459,059.1 N	X =	674,193.6 E
I - Y =	461,711.4 N	X =	674,176.0 E
J - Y =	440,560.2 N	X =	675,601.6 E
K - Y =	443,204.1 N	X =	675,596.9 E
L - Y =	445,846.1 N	X =	675,588.5 E
M - Y =	448,488.1 N	X =	675,579.2 E
N - Y =	451,132.3 N	X =	675,567.6 E
O - Y =	453,774.2 N	X =	675,557.3 E
P - Y =	456,414.3 N	X =	675,547.0 E
Q - Y =	459,070.5 N	X =	675,530.5 E
R - Y =	461,725.1 N	X =	675,515.0 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	439,467.2	Y =	461,325.3
X =	633,748.3	X =	633,362.8
LAT. =	32.207473 °N	LAT. =	32.267563 °N
LONG. =	103.900905 °W	LONG. =	103.901868 °W
FTP (NAD27 NME)		BHL (NAD27 NME)	
Y =	440,590.9	Y =	461,455.3
X =	633,447.3	X =	633,362.1
LAT. =	32.210565 °N	LAT. =	32.267920 °N
LONG. =	103.901863 °W	LONG. =	103.901868 °W

CORNER COORDINATES (NAD27 NME)

A - Y =	440,487.1 N	X =	633,078.3 E
B - Y =	443,131.7 N	X =	633,073.4 E
C - Y =	445,774.5 N	X =	633,068.5 E
D - Y =	448,417.1 N	X =	633,056.5 E
E - Y =	451,061.9 N	X =	633,044.5 E
F - Y =	453,704.8 N	X =	633,036.2 E
G - Y =	456,345.7 N	X =	633,028.0 E
H - Y =	458,999.4 N	X =	633,010.5 E
I - Y =	461,651.5 N	X =	632,993.1 E
J - Y =	440,500.9 N	X =	634,417.9 E
K - Y =	443,144.8 N	X =	634,413.3 E
L - Y =	445,786.6 N	X =	634,405.0 E
M - Y =	448,428.6 N	X =	634,395.7 E
N - Y =	451,072.8 N	X =	634,384.3 E
O - Y =	453,714.6 N	X =	634,374.0 E
P - Y =	456,354.6 N	X =	634,363.8 E
Q - Y =	459,010.7 N	X =	634,347.4 E
R - Y =	461,665.2 N	X =	634,332.0 E



[17] OPERATOR CERTIFICATION

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

Jessica Dooling 7/20/2023
Signature Date

Jessica Dooling
Printed Name

jessica.dooling@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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.

03-09-2022
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number AW 2022020158

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015- 54913	98241	WC-015; G-05; S233031K; WOLFCAMP

[4] Property Code	[5] Property Name	[6] Well Number
335377	POKER LAKE UNIT 20 DTD	324H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,260'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	24 S	30 E		1,027	NORTH	1,981	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	32	23 S	30 E		200	NORTH	1,870	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.00			

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

[16]

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	439,526.8	Y =	461,389.6
X =	674,962.1	X =	674,985.7
LAT. =	32.207598 °N	LAT. =	32.267695 °N
LONG. =	103.901295 °W	LONG. =	103.900934 °W
FTP (NAD83 NME)		BHL (NAD83 NME)	
Y =	440,654.7	Y =	461,519.6
X =	675,071.0	X =	674,985.1
LAT. =	32.210697 °N	LAT. =	32.268052 °N
LONG. =	103.900928 °W	LONG. =	103.900935 °W

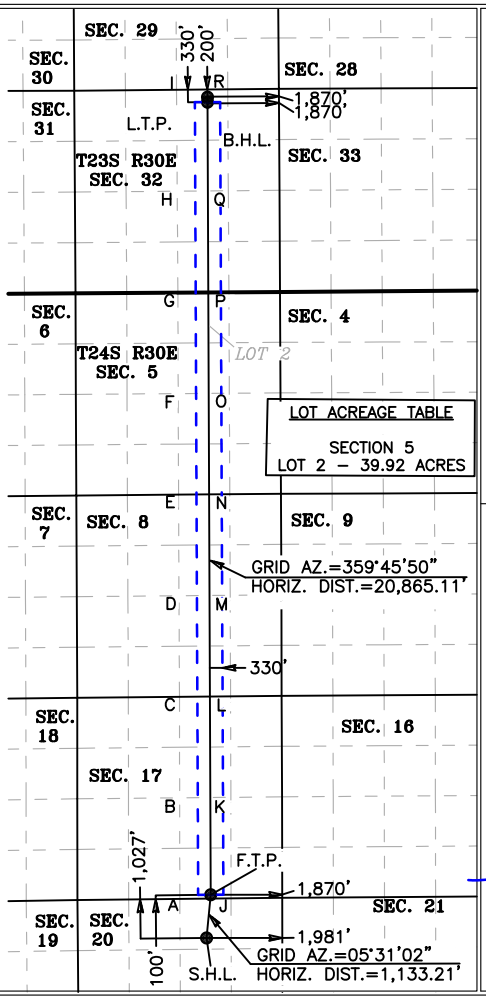
CORNER COORDINATES (NAD83 NME)

A - Y =	440,546.3 N ,	X =	674,262.0 E
B - Y =	443,191.1 N ,	X =	674,257.0 E
C - Y =	445,833.9 N ,	X =	674,252.0 E
D - Y =	448,476.6 N ,	X =	674,239.9 E
E - Y =	451,121.5 N ,	X =	674,227.8 E
F - Y =	453,764.5 N ,	X =	674,219.4 E
G - Y =	456,405.4 N ,	X =	674,211.1 E
H - Y =	459,059.1 N ,	X =	674,193.6 E
I - Y =	461,711.4 N ,	X =	674,176.0 E
J - Y =	440,560.2 N ,	X =	675,601.6 E
K - Y =	443,204.1 N ,	X =	675,596.9 E
L - Y =	445,846.1 N ,	X =	675,588.5 E
M - Y =	448,488.1 N ,	X =	675,579.2 E
N - Y =	451,132.3 N ,	X =	675,567.6 E
O - Y =	453,774.2 N ,	X =	675,557.3 E
P - Y =	456,414.3 N ,	X =	675,547.0 E
Q - Y =	459,070.5 N ,	X =	675,530.5 E
R - Y =	461,725.1 N ,	X =	675,515.0 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	439,467.5	Y =	461,329.8
X =	633,778.3	X =	633,802.7
LAT. =	32.207473 °N	LAT. =	32.267571 °N
LONG. =	103.900808 °W	LONG. =	103.900444 °W
FTP (NAD27 NME)		BHL (NAD27 NME)	
Y =	440,595.4	Y =	461,459.8
X =	633,887.3	X =	633,802.1
LAT. =	32.210573 °N	LAT. =	32.267928 °N
LONG. =	103.900441 °W	LONG. =	103.900445 °W

CORNER COORDINATES (NAD27 NME)

A - Y =	440,487.1 N ,	X =	633,078.3 E
B - Y =	443,131.7 N ,	X =	633,073.4 E
C - Y =	445,774.5 N ,	X =	633,068.5 E
D - Y =	448,417.1 N ,	X =	633,056.5 E
E - Y =	451,061.9 N ,	X =	633,044.5 E
F - Y =	453,704.8 N ,	X =	633,036.2 E
G - Y =	456,345.7 N ,	X =	633,028.0 E
H - Y =	458,999.4 N ,	X =	633,010.5 E
I - Y =	461,651.5 N ,	X =	632,993.1 E
J - Y =	440,500.9 N ,	X =	634,417.9 E
K - Y =	443,144.8 N ,	X =	634,413.3 E
L - Y =	445,786.6 N ,	X =	634,405.0 E
M - Y =	448,428.6 N ,	X =	634,395.7 E
N - Y =	451,072.8 N ,	X =	634,384.3 E
O - Y =	453,714.6 N ,	X =	634,374.0 E
P - Y =	456,354.6 N ,	X =	634,363.8 E
Q - Y =	459,010.7 N ,	X =	634,347.4 E
R - Y =	461,665.2 N ,	X =	634,332.0 E



[17] OPERATOR CERTIFICATION

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

Rusty Klein — 3-13-2024
Signature — Date

RUSTY KLEIN
Printed Name

ranell.klein@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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.

03-09-2022
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number — AW — 2022020159

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: ______XTO Permian Operating, LLC______ **OGRID:** __________373075_____ **Date:** ___2_/_6_/_2024____

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

If Other, please describe: ____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

IV. Central Delivery Point Name: __________Poker Lake Unit 20 DTD CTB East & CTB West ______ [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
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]		[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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:	Samantha Weis
Printed Name:	Samantha Weis
Title:	Regulatory Coordinator
E-mail Address:	samantha.r.bartnik@exxonmobil.com
Date:	2/6/2024
Phone:	832-625-7361; 432-999-3107

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

VI. Separation Equipment:

XTO Permian Operating, LLC. production tank batteries include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool in conjunction with the total number of wells planned to or existing within the facility. Separation equipment is upgraded prior to well being drilled or completed, if determined to be undersized or needed. The separation equipment is designed and built according to the relevant industry specifications (API Specification 12J and ASME Sec VIII Div I). Other recognized industry publications such as the Gas Processors Suppliers Association (GPSA) are referenced when designing separation equipment to optimize gas capture.

VII. Operational Practices:

1. Subsection B.
    - During drilling, flare stacks will be located a minimum of 150 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
    - Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
    - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
2. Subsection C.
    - During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.

    For emergencies, equipment malfunction, or if the operator decides to produce oil and gas during well completion:

    - Flowlines will be routed for flowback fluids into a completion or storage tank and, if feasible under well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function.
    - Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
    - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
3. Subsection D.
    - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
    - Monitor manual liquid unloading for wells on-site or in close proximity (<30 minutes' drive time), take reasonable actions to achieve a stabilized rate and pressure at the earliest practical time, and take reasonable actions to minimize venting to the maximum extent practicable.

- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

4. Subsection E.
   - All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
   - Flare stack was installed prior to May 25, 2021 but has been designed for proper size and combustion efficiency. Flare currently has a continuous pilot and is located more than 100 feet from any known well and storage tanks.
   - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
5. Subsection F.
   - Measurement equipment is installed to measure the volume of natural gas flared from process piping or a flowline piped from the equipment associated with a well and facility associated with the approved application for permit to drill that has an average daily production greater than 60 mcf of natural gas.
   - Measurement equipment installed is not designed or equipped with a manifold to allow diversion of natural gas around the metering equipment, except for the sole purpose of inspecting and servicing the measurement equipment, as noted in NMAC 19.15.27.8 Subsection G.

VIII. Best Management Practices:

1. During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
2. Operator does not flow well (well shut in) during initial production until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.
3. Operator equips storage tanks with an automatic gauging system to reduce venting of natural gas.
4. Operator reduces the number of blowdowns by looking for opportunities to coordinate repair and maintenance activities.
5. Operator combusts natural gas that would otherwise be vented or flared, when feasible.
6. Operator has a flare stack designed in accordance with need and to handle sufficient volume to ensure proper combustion efficiency. Flare stacks are equipped with continuous pilots and securely anchored at least 100 feet (at minimum) from storage tanks and wells.
7. Operator minimizes venting (when feasible) through pump downs of vessels and reducing time required to purge equipment before returning equipment to service.
8. Operator will shut in wells (when feasible) in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 322791

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 322791
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD 24 hours prior to casing & cement	4/5/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	4/5/2024
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	4/5/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	4/5/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	4/5/2024
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	4/5/2024