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.: NMNM030452

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

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

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

7. If Unit or CA Agreement, Name and No.: NMNM071016X/POKER LAKE UNIT

8. Lease Name and Well No.: POKER LAKE UNIT 23 DTD 441H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-55910

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

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

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

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

At surface: NWNE / 1152 FNL / 1771 FEL / LAT 32.207469 / LONG -103.848705

At proposed prod. zone: SENW / 2627 FNL / 1475 FWL / LAT 32.174413 / LONG -103.855444

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 23/T24S/R30E/NMP

14. Distance in miles and direction from nearest town or post office*: 9.3 miles

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): 1152 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 1600.0

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

19. Proposed Depth: 12214 feet / 25426 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3429 feet

22. Approximate date work will start*: 02/15/2025

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)*: RICHARD REDUS / Ph: (432) 682-8873

Date: 04/16/2024

Title: Permitting Manager

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

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

Date: 11/22/2024

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: 11/22/2024

AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 11/26/2024 12:18 PM

APD ID:	10400098055	Well Status:	AAPD
APD Received Date:	04/16/2024 09:42 AM	Well Name:	POKER LAKE UNIT 23 DTD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	441H

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

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

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 1 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
  -- Casing Spec Documents: 2 file(s)
  -- Casing Taperd String Specs: 2 file(s)
  -- Casing Design Assumptions and Worksheet(s): 4 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 1 file(s)
  -- Other Facets: 6 file(s)
  -- Other Variances: 3 file(s)

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

- PWD Report
- PWD Attachments
  -- None

- Bond Report
- Bond Attachments
  -- None

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.

3a. Address

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

10. Field and Pool, or Exploratory

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

At surface

At proposed prod. zone

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

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

12. County or Parish

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

25. Signature	Name *(Printed/Typed)*	Date
Title		
Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Title	Office	

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 11/22/2024

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.

Approval Date: 11/22/2024

Additional Operator Remarks

Location of Well

0. SHL: NWNE / 1152 FNL / 1771 FEL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.207469 / LONG: -103.848705 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1475 FWL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.210347 / LONG: -103.855509 (TVD: 12214 feet, MD: 13100 feet)

PPP: NENW / 0 FSL / 1490 FWL / TWSP: 24S / RANGE: 30E / SECTION: 26 / LAT: 32.196133 / LONG: -103.855484 (TVD: 12214 feet, MD: 18400 feet)

BHL: SENW / 2627 FNL / 1475 FWL / TWSP: 24S / RANGE: 30E / SECTION: 35 / LAT: 32.174413 / LONG: -103.855444 (TVD: 12214 feet, MD: 25426 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.

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015- 55910	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
325598	POKER LAKE UNIT 23 DTD	441H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,429'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		1,152' FNL	1,771' FEL	32.207469	-103.848705	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	35	24S	30E		2,627' FNL	1,475' FWL	32.174413	-103.855444	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,600.00	INFILL		Y	U

Order Numbers.

Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		1,152' FNL	1,771' FEL	32.207469	-103.848705	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	23	24S	30E		100' FNL	1,475' FWL	32.210347	-103.855509	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
F	35	24S	30E		2,537' FNL	1,475' FWL	32.174660	-103.855447	EDDY

Unitized Area or Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM105422429		3,429'

OPERATOR CERTIFICATIONS

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

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

Terra Sebastian — 10/29/2024
Signature — Date

Terra Sebastian
Printed Name

terra.b.sebastian@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786 — 10/28/2024
Certificate Number — Date of Survey

KT — 618.013003.09-56

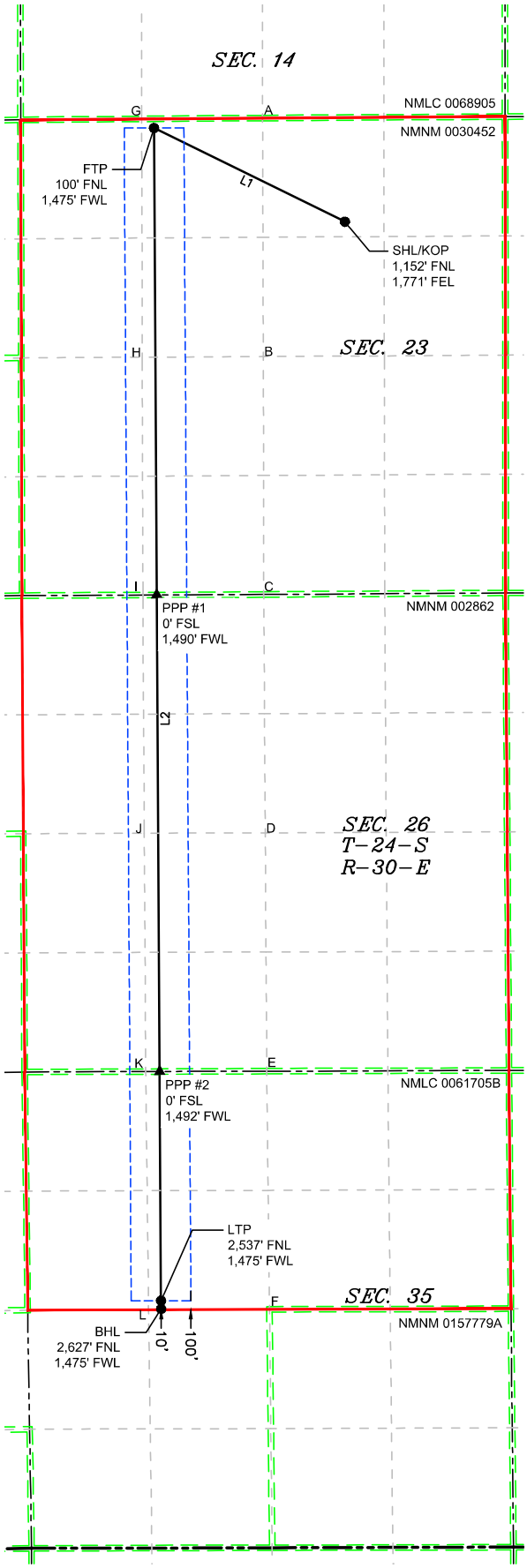
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

\618.013 XTO Energy - NM\003 Poker Lake Unit\09 - PLU 23 DTD - EDDY\Wells\-56 - PLU 23 DTD - 441H\DWG\441H C-102.dwg

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	296°11'49"	2,350.41'
L2	179°39'27"	13,072.42'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	439,549.1	N	Y =	439,490.1	N
X =	691,227.9	E	X =	650,044.1	E
LAT. =	32.207469	°N	LAT. =	32.207345	°N
LONG. =	103.848705	°W	LONG. =	103.848219	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	440,586.7	N	Y =	440,527.6	N
X =	689,118.9	E	X =	647,935.2	E
LAT. =	32.210347	°N	LAT. =	32.210223	°N
LONG. =	103.855509	°W	LONG. =	103.855023	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	435,416.0	N	Y =	435,357.1	N
X =	689,149.6	E	X =	647,965.7	E
LAT. =	32.196133	°N	LAT. =	32.196009	°N
LONG. =	103.855484	°W	LONG. =	103.854999	°W
PPP #2 (NAD 83 NME)			PPP#2 (NAD 27 NME)		
Y =	430,141.8	N	Y =	430,083.0	N
X =	689,180.9	E	X =	647,996.8	E
LAT. =	32.181635	°N	LAT. =	32.181511	°N
LONG. =	103.855459	°W	LONG. =	103.854974	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	427,604.5	N	Y =	427,545.8	N
X =	689,195.9	E	X =	648,011.7	E
LAT. =	32.174660	°N	LAT. =	32.174536	°N
LONG. =	103.855447	°W	LONG. =	103.854962	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	427,514.5	N	Y =	427,455.8	N
X =	689,197.1	E	X =	648,012.9	E
LAT. =	32.174413	°N	LAT. =	32.174288	°N
LONG. =	103.855444	°W	LONG. =	103.854960	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,695.8	N	A - X =	690,318.7	E
B - Y =	438,055.8	N	B - X =	690,325.0	E
C - Y =	435,421.3	N	C - X =	690,331.2	E
D - Y =	432,784.0	N	D - X =	690,347.4	E
E - Y =	430,145.2	N	E - X =	690,363.6	E
F - Y =	427,508.2	N	F - X =	690,393.8	E
G - Y =	440,685.6	N	G - X =	688,981.2	E
H - Y =	438,048.4	N	H - X =	688,988.5	E
I - Y =	435,415.3	N	I - X =	688,995.2	E
J - Y =	432,779.2	N	J - X =	689,010.4	E
K - Y =	430,141.2	N	K - X =	689,026.3	E
L - Y =	427,504.1	N	L - X =	689,058.0	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,636.8	N	A - X =	649,135.0	E
B - Y =	437,996.8	N	B - X =	649,141.1	E
C - Y =	435,362.4	N	C - X =	649,147.3	E
D - Y =	432,725.2	N	D - X =	649,163.4	E
E - Y =	430,086.5	N	E - X =	649,179.4	E
F - Y =	427,449.5	N	F - X =	649,209.6	E
G - Y =	440,626.6	N	G - X =	647,797.5	E
H - Y =	437,989.4	N	H - X =	647,804.6	E
I - Y =	435,356.4	N	I - X =	647,811.3	E
J - Y =	432,720.4	N	J - X =	647,826.4	E
K - Y =	430,082.4	N	K - X =	647,842.2	E
L - Y =	427,445.4	N	L - X =	647,873.8	E

KT 618.013003.09-56

618.013 XTO Energy – NM\003 Poker Lake Unit\09 – PLU 23 DTD – EDDY\Wells\-56 – PLU 23 DTD – 441H\DWG\441H C-102.dwg

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:** __11__/_4___/__2024___

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	3 yr Anticipated Decline oil BBL/D	Anticipated Gas MCF/D	3 yr anticipated decline Gas MCF/D	Anticipated Produced Water BBL/D	3 yr anticipated decline Water BBL/D
Poker Lake Unit 23 DTD 104H		14 T24S R30E	556 FSL 310 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 193H		14 T24S R30E	556 FSL 280 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 441H		23 T24S R30E	1152 FNL 1771 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 442H		23 T24S R30E	1152 FNL 1741 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 443H		23 T24S R30E	1152 FNL 1711 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 444H		23 T24S R30E	1152 FNL 1681 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 445H		23 T24S R30E	1152 FNL 1651 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 451H		23 T24S R30E	1247 FNL 1771 FEL	1,900	200	3,250	900	3,750	400

Poker Lake Unit 23 DTD 452H		23 T24S R30E	1247 FNL 1741 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 453H		23 T24S R30E	1247 FNL 1711 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 454H		23 T24S R30E	1247 FNL 1681 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 455H		23 T24S R30E	1247 FNL 1651 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 456H		23 T24S R30E	1247 FNL 1621 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 541H		14 T24S R30E	645 FSL 637 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 542H		14 T24S R30E	645 FSL 607 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 543H		14 T24S R30E	645 FSL 577 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 544H		14 T24S R30E	645 FSL 547 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 545H		14 T24S R30E	645 FSL 517 FEL	1,900	200	3,250	900	3,750	400
Poker Lake Unit 23 DTD 546H		14 T24S R30E	645 FSL 487 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 23 DTD 705H		14 T24S R30E	556 FSL 340 FWL	1,800	200	7,500	1,200	7,000	800

IV. Central Delivery Point Name: PLU 23 DTD CVB [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Poker Lake Unit 23 DTD 104H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 193H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 441H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 442H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 443H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**

Poker Lake Unit 23 DTD 444H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 445H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 451H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 452H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 453H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 454H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 455H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 456H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 541H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 542H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 543H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 544H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 545H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 546H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 23 DTD 705H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: *Samantha Weis*
Printed Name: Samantha Weis
Title: Permitting Advisor
E-mail Address: samantha.r.bartnik@exxonmobil.com
Date: 11/4/2024
Phone: +1-832-625-7361

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

VI. Separation Equipment:

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

VII. Operational Practices

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

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

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

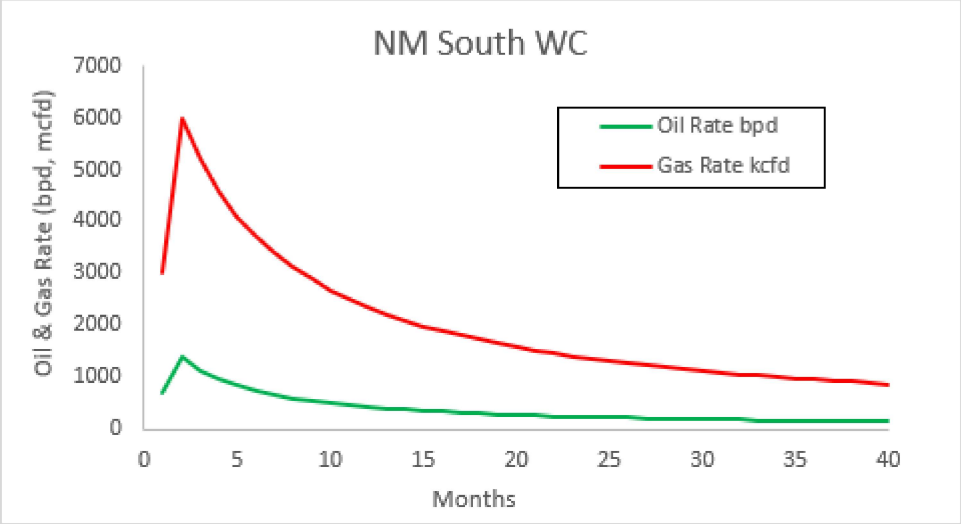
- During production operations, XTO Permian Operating LLC will take every practical effort to minimize waste of natural gas through venting and flaring by:

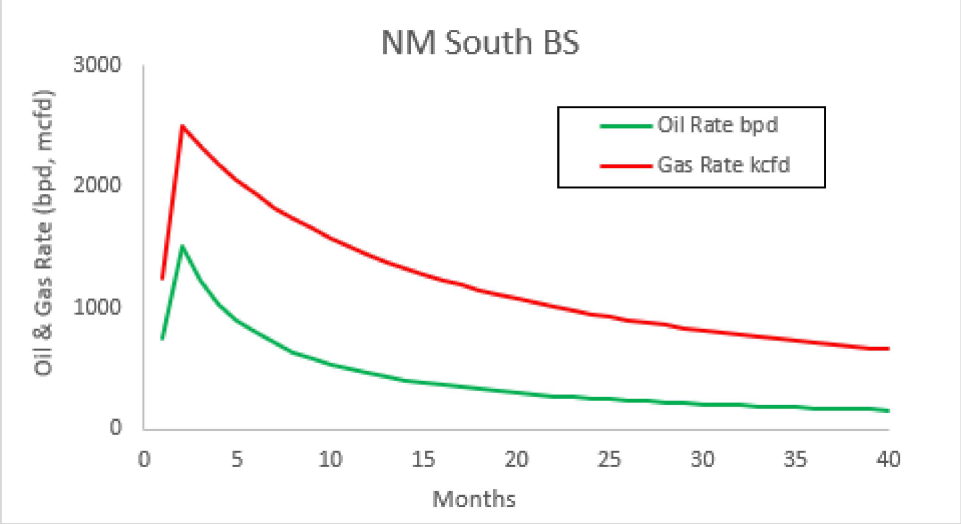
    - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
    - Utilizing a closed-loop capture system to collect, and route produced gas to sales line via low pressure compression, or to a flare/combustor
    - Flaring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

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

VIII. Best Management Practices during Maintenance

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


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


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

AFMSS

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

Drilling Plan Data Report
11/26/2024

APD ID: 10400098055 **Submission Date:** 04/16/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

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
14549445	QUATERNARY	3429	0	0	ALLUVIUM	USEABLE WATER	N
14549446	RUSTLER	2115	1314	1314	ANHYDRITE	USEABLE WATER	N
14549447	SALADO	1712	1717	1717	POTASH, SALT	NONE	N
14549448	BASE OF SALT	-481	3910	3910	ANHYDRITE, DOLOMITE, POTASH	NONE	N
14549449	DELAWARE	-675	4104	4104	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549450	BRUSHY CANYON	-3181	6610	6610	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549451	BONE SPRING	-4470	7899	7899	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549452	BONE SPRING 1ST	-5241	8670	8670	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549453	BONE SPRING 2ND	-5843	9272	9272	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549454	BONE SPRING 3RD	-6610	10039	10039	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549455	WOLFCAMP	-8755	12184	12184	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 12214

Equipment: Once the permanent WH is installed on the Surface casing, the blow out preventer equipment (BOP) will consist of a 10M BOP. XTO will use a Multi-Bowl system which is attached.
Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose 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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

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.

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

Choke Diagram Attachment:

PLU_23_DTD_10MCM_20240414142153.pdf

BOP Diagram Attachment:

PLU_23_DTD_5M10MBOP_20240410151418.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	1692	0	1689	3429	1740	1692	J-55	54.5	BUTT	1.53	2.88	DRY	9.86	DRY	9.86
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4010	0	3840	3446	-411	4010	J-55	40	BUTT	2.84	1.47	DRY	3.93	DRY	3.93
3	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	11298	0	10847	3446	-7418	11298	L-80	29.7	FJ	3.01	1.33	DRY	1.9	DRY	1.9
4	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	25426	0	12214	3446	-8785	25426	P-110	20	OTHER - Freedom HTQ/Talon HTQ	1.41	1.05	DRY	5.17	DRY	5.17

Casing Attachments

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194508.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194358.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_23_DTD_441H_Csg_20240413194546.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194614.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20240806142443.pdf

Talon___semiflush_5.5_production_casing_20240806142443.pdf

Tapered String Spec:

PLU_23_DTD_441H_Csg_20240413181539.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194431.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	1692	1450	1.33	12.8	1928.5	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1692	310	1.33	14.8	412.3	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	4010	840	2.06	14.8	1730.4	100	Class C	NA
INTERMEDIATE	Tail		0	4010	60	2.06	15.6	123.6	100	Class C	2% CaCl
INTERMEDIATE	Lead		3710	6610	500	1.27	14.8	635	100	Class C	NA
INTERMEDIATE	Tail		6610	11298	130	2.77	14.8	360.1	100	Class C	NA
PRODUCTION	Lead		10998	11945	30	2.69	11.5	80.7	30	NeoCem	NA
PRODUCTION	Tail		11945	25426	850	1.51	13.2	1283.5	30	VersaCem	NA

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
11298	25426	OIL-BASED MUD	12.4	12.9							
4104	11298	OTHER : BDE/OBM	9	9.5							
1692	4104	SALT SATURATED	10.5	11							
0	1692	WATER-BASED MUD	8.4	8.9							

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Section 6 - Test, Logging, Coring

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

Open hole logging will not be done on this well.

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

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

Coring operation description for the well:

No coring is planned for the well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7876 **Anticipated Surface Pressure:** 5188

Anticipated Bottom Hole Temperature(F): 205

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240812092429.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU_23_DTD_441H_DD_20240413184251.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

PLU_23_DTD_441H_Cmt_20240414122549.pdf
PLU_23_DTD_441H_RL_20240806143247.pdf
PLU_23_DTD_H2S_DiaA_20240806143319.pdf
PLU_23_DTD_H2S_DiaD_20240806143319.pdf
PLU_23_DTD_H2S_DiaC_20240806143319.pdf
PLU_23_DTD_MBS_20240812093104.pdf

Other Variance attachment:

Updated_Flex_Hose_20240806143224.pdf
Spudder_Rig_Request_20240806143224.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240806143224.pdf

AFMSS

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

Drilling Plan Data Report
11/26/2024

APD ID: 10400098055 **Submission Date:** 04/16/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

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
14549445	QUATERNARY	3429	0	0	ALLUVIUM	USEABLE WATER	N
14549446	RUSTLER	2115	1314	1314	ANHYDRITE	USEABLE WATER	N
14549447	SALADO	1712	1717	1717	POTASH, SALT	NONE	N
14549448	BASE OF SALT	-481	3910	3910	ANHYDRITE, DOLOMITE, POTASH	NONE	N
14549449	DELAWARE	-675	4104	4104	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549450	BRUSHY CANYON	-3181	6610	6610	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549451	BONE SPRING	-4470	7899	7899	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549452	BONE SPRING 1ST	-5241	8670	8670	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549453	BONE SPRING 2ND	-5843	9272	9272	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549454	BONE SPRING 3RD	-6610	10039	10039	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14549455	WOLFCAMP	-8755	12184	12184	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 12214

Equipment: Once the permanent WH is installed on the Surface casing, the blow out preventer equipment (BOP) will consist of a 10M BOP. XTO will use a Multi-Bowl system which is attached.
Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose 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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

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.

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

Choke Diagram Attachment:

PLU_23_DTD_10MCM_20240414142153.pdf

BOP Diagram Attachment:

PLU_23_DTD_5M10MBOP_20240410151418.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	1692	0	1689	3429	1740	1692	J-55	54.5	BUTT	1.53	2.88	DRY	9.86	DRY	9.86
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4010	0	3840	3446	-411	4010	J-55	40	BUTT	2.84	1.47	DRY	3.93	DRY	3.93
3	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	11298	0	10847	3446	-7418	11298	L-80	29.7	FJ	3.01	1.33	DRY	1.9	DRY	1.9
4	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	25426	0	12214	3446	-8785	25426	P-110	20	OTHER - Freedom HTQ/Talon HTQ	1.41	1.05	DRY	5.17	DRY	5.17

Casing Attachments

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194508.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194358.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_23_DTD_441H_Csg_20240413194546.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194614.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20240806142443.pdf

Talon___semiflush_5.5_production_casing_20240806142443.pdf

Tapered String Spec:

PLU_23_DTD_441H_Csg_20240413181539.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_441H_Csg_20240413194431.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	1692	1450	1.33	12.8	1928.5	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1692	310	1.33	14.8	412.3	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	4010	840	2.06	14.8	1730.4	100	Class C	NA
INTERMEDIATE	Tail		0	4010	60	2.06	15.6	123.6	100	Class C	2% CaCl
INTERMEDIATE	Lead		3710	6610	500	1.27	14.8	635	100	Class C	NA
INTERMEDIATE	Tail		6610	11298	130	2.77	14.8	360.1	100	Class C	NA
PRODUCTION	Lead		10998	11945	30	2.69	11.5	80.7	30	NeoCem	NA
PRODUCTION	Tail		11945	25426	850	1.51	13.2	1283.5	30	VersaCem	NA

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
11298	25426	OIL-BASED MUD	12.4	12.9							
4104	11298	OTHER : BDE/OBM	9	9.5							
1692	4104	SALT SATURATED	10.5	11							
0	1692	WATER-BASED MUD	8.4	8.9							

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

Section 6 - Test, Logging, Coring

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

Open hole logging will not be done on this well.

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

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

Coring operation description for the well:

No coring is planned for the well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7876 **Anticipated Surface Pressure:** 5188

Anticipated Bottom Hole Temperature(F): 205

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240812092429.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU_23_DTD_441H_DD_20240413184251.pdf

Other proposed operations facets description:

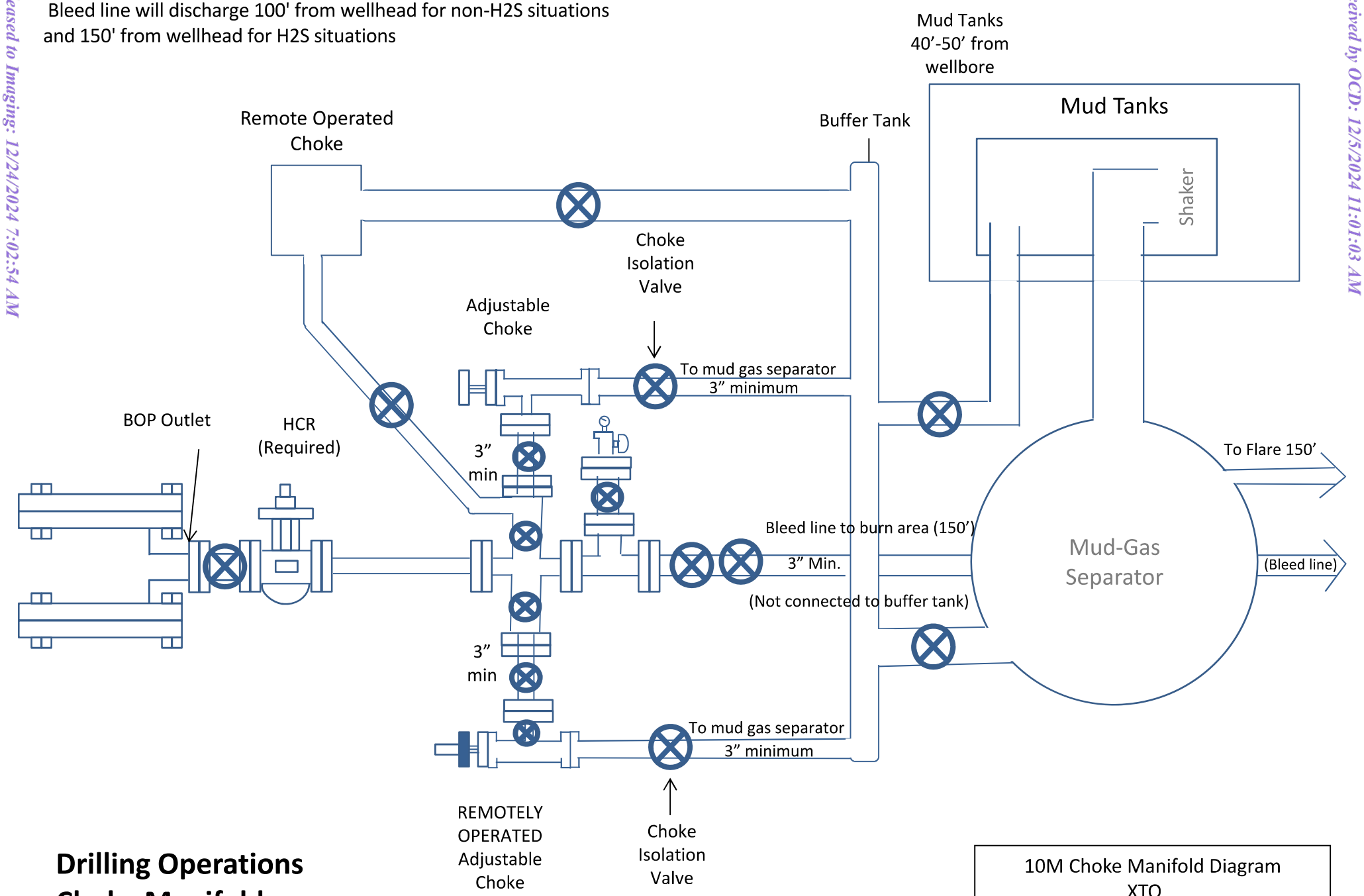
Other proposed operations facets attachment:

PLU_23_DTD_441H_Cmt_20240414122549.pdf
PLU_23_DTD_441H_RL_20240806143247.pdf
PLU_23_DTD_H2S_DiaA_20240806143319.pdf
PLU_23_DTD_H2S_DiaD_20240806143319.pdf
PLU_23_DTD_H2S_DiaC_20240806143319.pdf
PLU_23_DTD_MBS_20240812093104.pdf

Other Variance attachment:

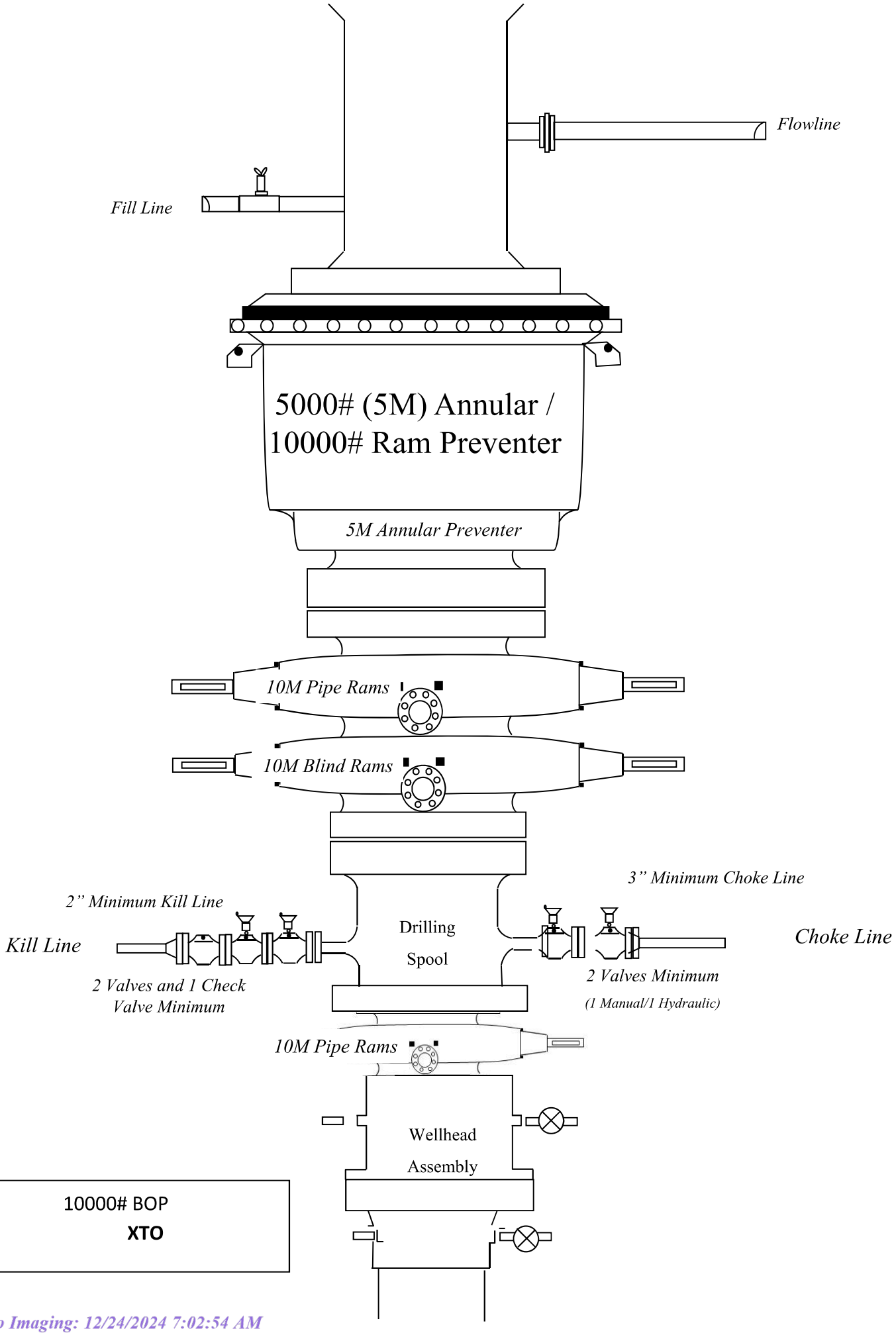
Updated_Flex_Hose_20240806143224.pdf
Spudder_Rig_Request_20240806143224.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240806143224.pdf

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



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO



10000# BOP

XTO

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1692'	13.375	54.5	J-55	BTC	New	2.88	1.53	9.86
12.25	0' – 4010'	9.625	40	J-55	BTC	New	1.47	2.84	3.93
8.75	0' – 4110'	7.625	29.7	RY P-110	Flush Joint	New	1.82	2.84	1.66
8.75	4110' – 11298'	7.625	29.7	HC L-80	Flush Joint	New	1.33	3.01	1.90
6.75	0' – 11198'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.54	1.84
6.75	11198' - 25426'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.41	5.17

Cement Variance Request

Intermediate Casing:

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6610') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to 3710'. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

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

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

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

Production Casing:

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

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

Description of Operations:

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

Gates **BLACK GOLD®**

GATES ENGINEERING & SERVICES NORTH AMERICA
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Houston, TX. 77086

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EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSPINOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15716

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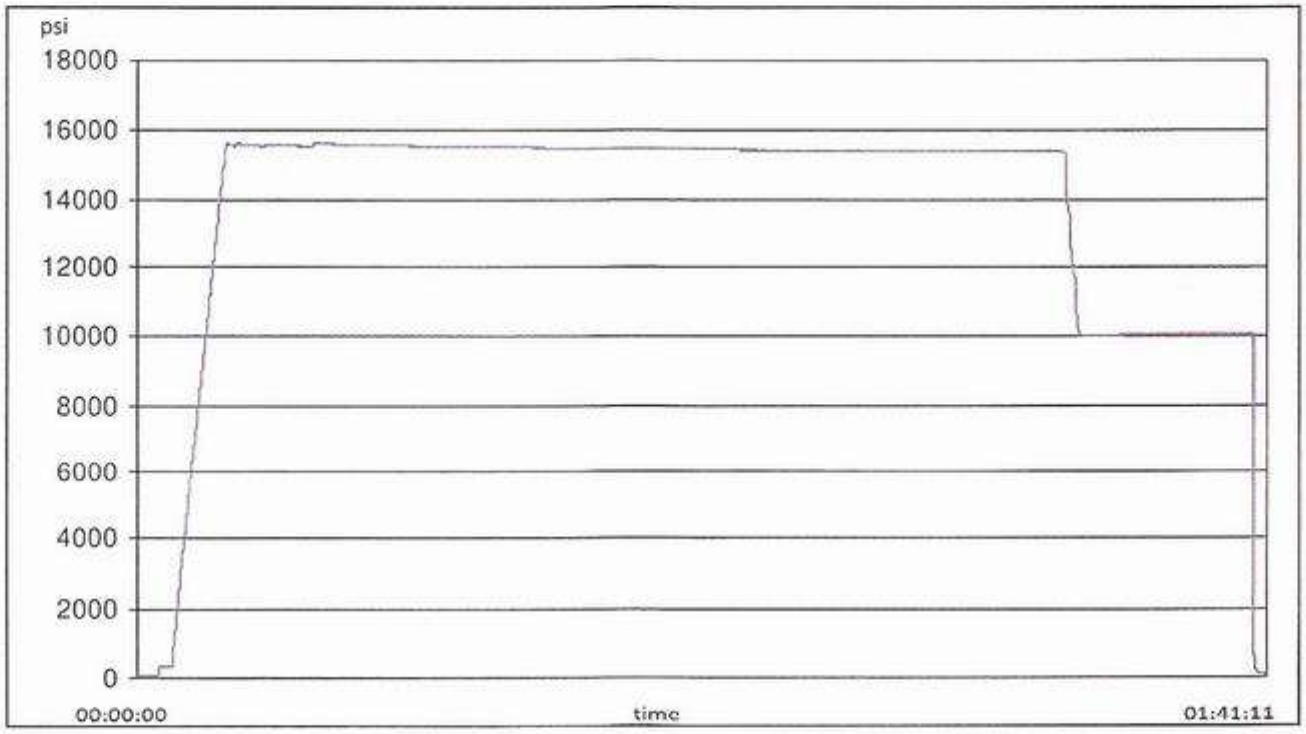
TEST REPORT

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



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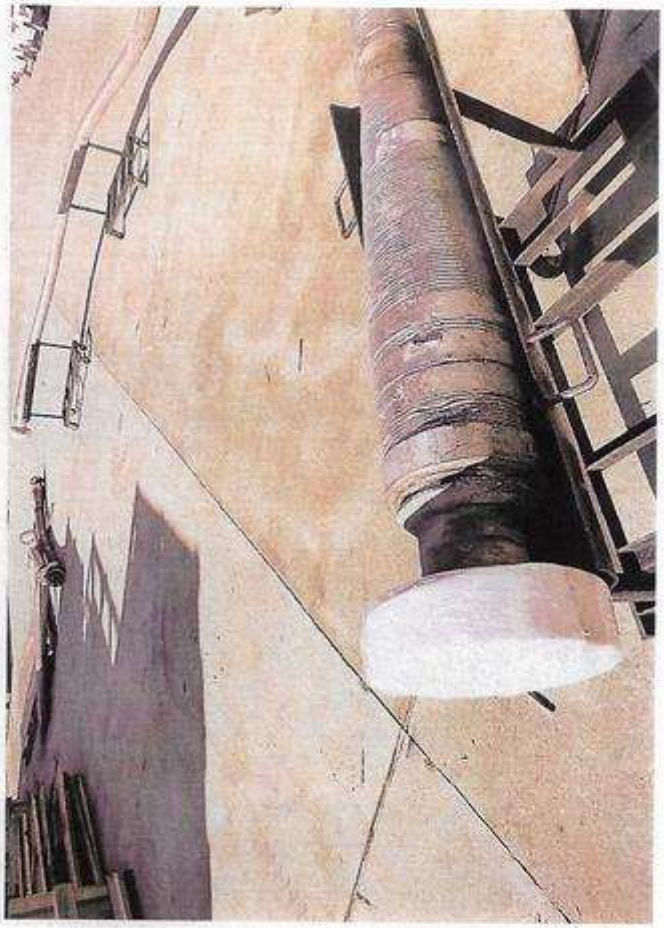
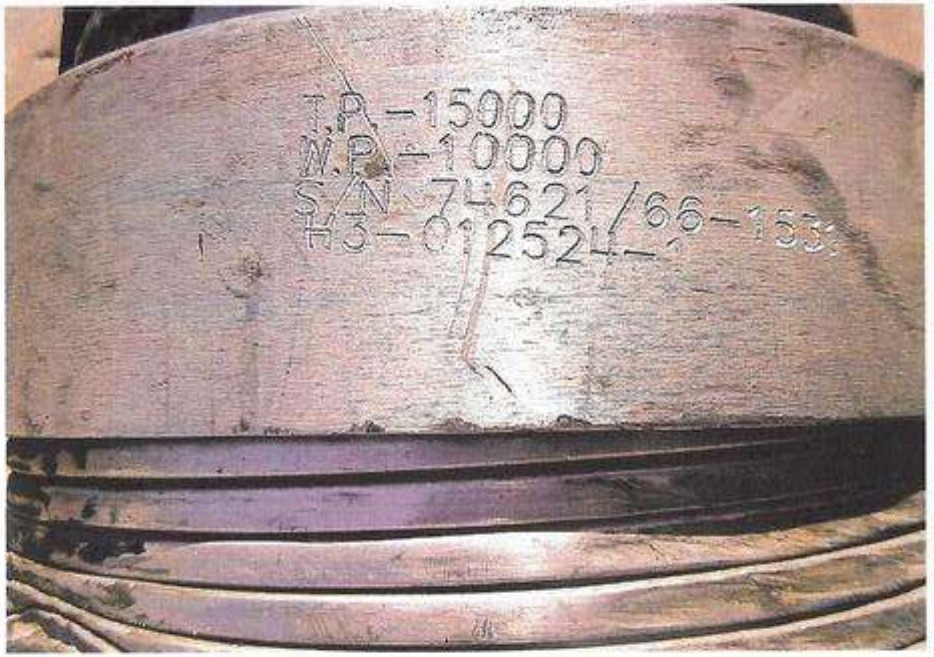
TEST REPORT

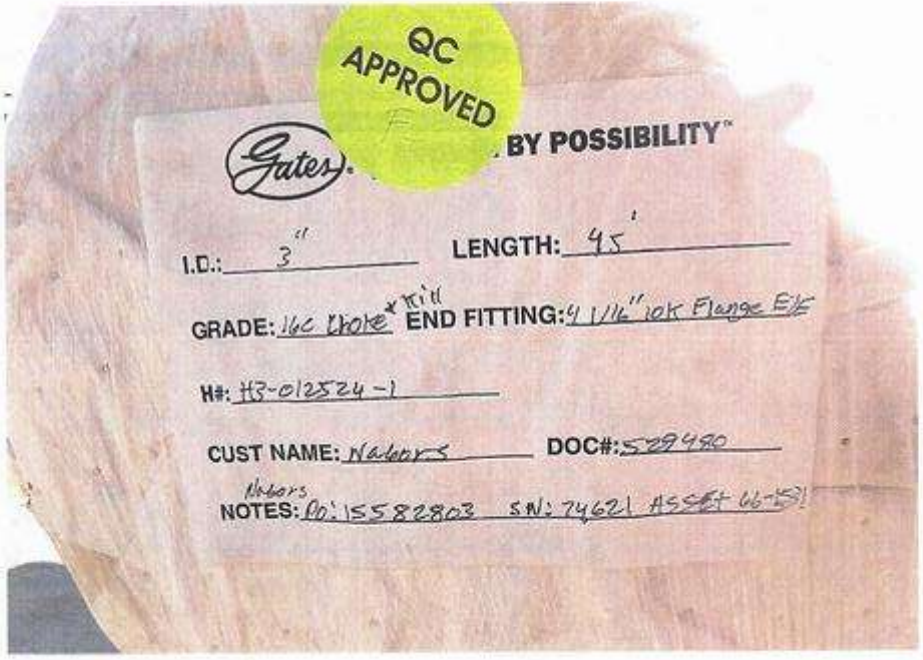
GAUGE TRACEABILITY

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

Comment







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.

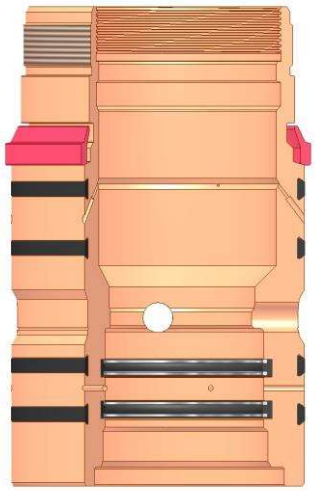
1. Cement Program

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

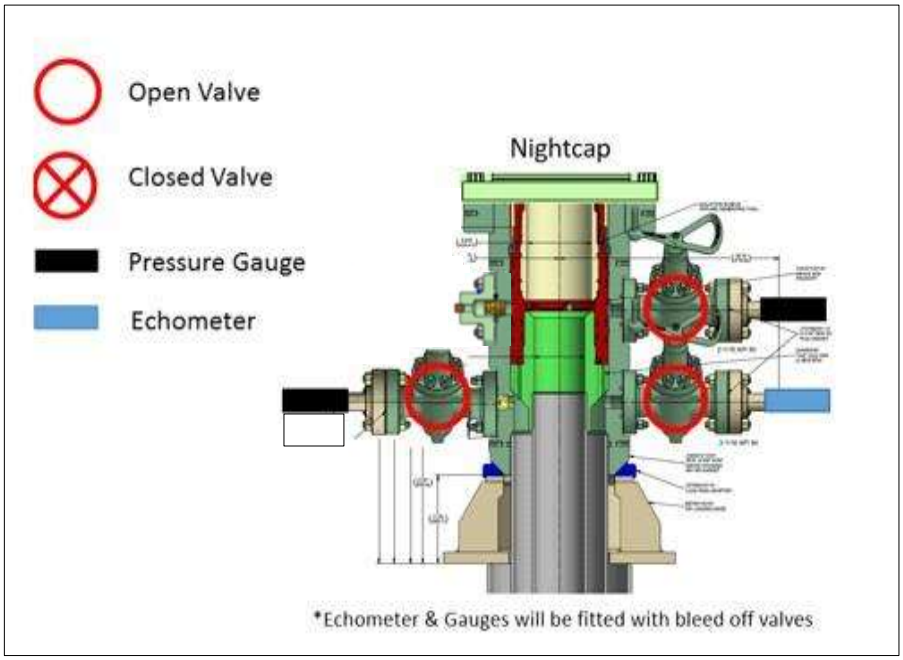
2. Offline Cementing Procedure

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.



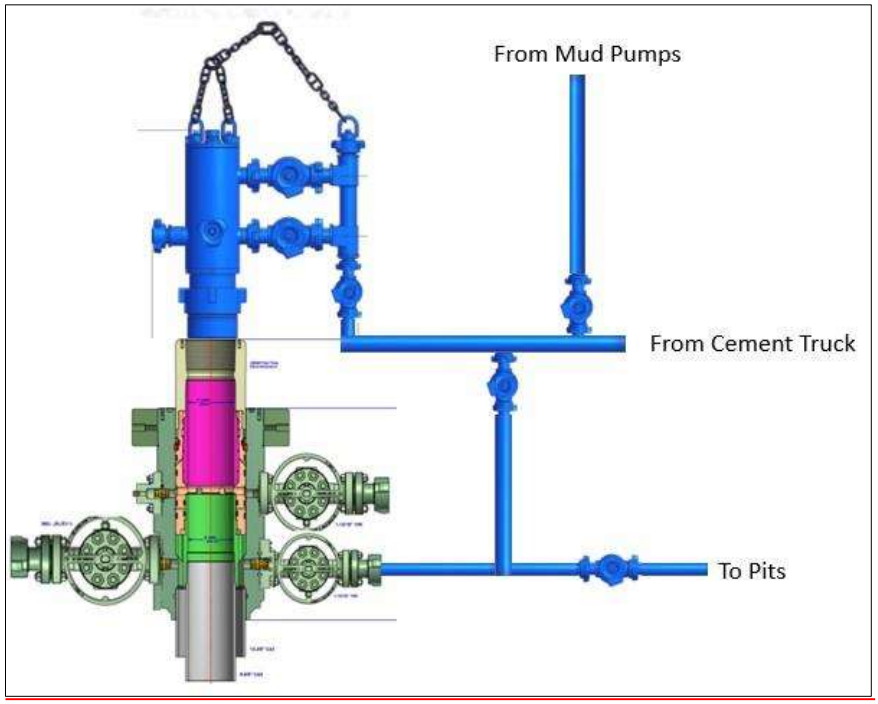
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

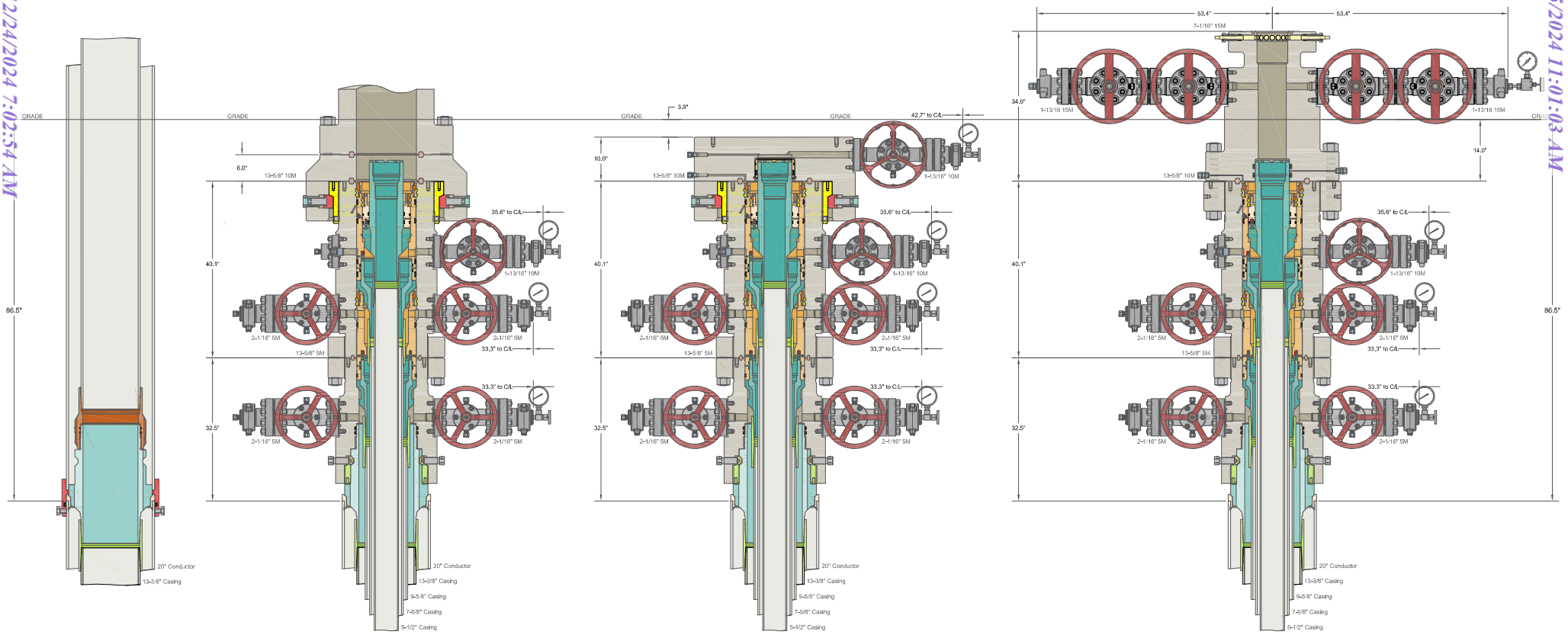
6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third 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.



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC		XTO ENERGY INC DELAWARE BASIN	
(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And Drilling & Skid Configurations	DRAWN	VJK	31MAR22
	APPRV		
	DRAWING NO.	SDT-3301	

Well Plan Report - Poker Lake Unit 23 DTD South 441H

Measured Depth:	25425.52 ft
TVD RKB:	12214.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	439490.10 ft
Easting:	650044.10 ft
RKB:	3461.00 ft
Ground Level:	3429.00 ft
North Reference:	Grid
Convergence Angle:	0.26 Deg

Plan Sections Poker Lake Unit 23 DTD South 441H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
2250.61	23.01	296.20	2219.92	100.64	-204.56	2.00	0.00	2.00	
7096.38	23.01	296.20	6680.08	936.86	-1904.34	0.00	0.00	0.00	
8246.99	0.00	0.00	7800.00	1037.50	-2108.90	-2.00	0.00	2.00	
11944.79	0.00	0.00	11497.80	1037.50	-2108.90	0.00	0.00	0.00	
13069.79	90.00	179.66	12214.00	321.32	-2104.68	8.00	0.00	8.00	
25335.09	90.00	179.66	12214.00	-11943.77	-2032.32	0.00	0.00	0.00	LTP 7
25425.52	90.00	179.66	12214.00	-12034.20	-2031.79	0.00	0.00	0.00	BHL 7

Position Uncertainty Poker Lake Unit 23 DTD South 441H

Measured Depth	Inclination	Azimuth	TVD RKB	Highside Error	Highside Bias	Lateral Error	Lateral Bias	Vertical Error	Vertical Bias	Magnitude of Bias	Semi-major Error	Semi-minor Error	Semi-minor Azimuth	Tool Used

(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.326	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.445	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.486	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.533	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.583	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.636	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	296.195	1199.980	4.364	0.000	5.059	0.000	2.693	0.000	0.000	5.071	4.352	123.769	MWD+IFR1+MS
1300.000	4.000	296.195	1299.838	5.239	0.000	5.391	0.000	2.753	0.000	0.000	5.409	5.228	97.847	MWD+IFR1+MS
1400.000	6.000	296.195	1399.452	6.002	0.000	5.728	0.000	2.818	0.000	0.000	6.097	5.644	51.265	MWD+IFR1+MS
1500.000	8.000	296.195	1498.702	6.691	0.000	6.068	0.000	2.892	0.000	0.000	6.813	5.961	46.295	MWD+IFR1+MS
1600.000	10.000	296.195	1597.465	7.325	0.000	6.412	0.000	2.975	0.000	0.000	7.479	6.280	44.797	MWD+IFR1+MS
1700.000	12.000	296.195	1695.623	7.917	0.000	6.761	0.000	3.069	0.000	0.000	8.104	6.604	44.147	MWD+IFR1+MS
1800.000	14.000	296.195	1793.055	8.473	0.000	7.115	0.000	3.177	0.000	0.000	8.697	6.935	43.846	MWD+IFR1+MS
1900.000	16.000	296.195	1889.643	9.001	0.000	7.476	0.000	3.301	0.000	0.000	9.262	7.274	43.735	MWD+IFR1+MS
2000.000	18.000	296.195	1985.268	9.504	0.000	7.845	0.000	3.440	0.000	0.000	9.805	7.621	43.751	MWD+IFR1+MS
2100.000	20.000	296.195	2079.816	9.986	0.000	8.223	0.000	3.598	0.000	0.000	10.328	7.978	43.867	MWD+IFR1+MS
2200.000	22.000	296.195	2173.169	10.450	0.000	8.612	0.000	3.775	0.000	0.000	10.836	8.346	44.072	MWD+IFR1+MS
2250.608	23.012	296.195	2219.922	10.586	0.000	8.805	0.000	3.831	0.000	0.000	11.007	8.537	44.282	MWD+IFR1+MS
2300.000	23.012	296.195	2265.383	10.732	0.000	8.995	0.000	3.883	0.000	0.000	11.148	8.725	44.583	MWD+IFR1+MS
2400.000	23.012	296.195	2357.426	11.032	0.000	9.398	0.000	4.001	0.000	0.000	11.437	9.118	45.445	MWD+IFR1+MS
2500.000	23.012	296.195	2449.468	11.350	0.000	9.818	0.000	4.129	0.000	0.000	11.747	9.522	46.537	MWD+IFR1+MS
2600.000	23.012	296.195	2541.510	11.676	0.000	10.244	0.000	4.263	0.000	0.000	12.065	9.930	47.714	MWD+IFR1+MS
2700.000	23.012	296.195	2633.552	12.011	0.000	10.675	0.000	4.402	0.000	0.000	12.393	10.343	48.980	MWD+IFR1+MS
2800.000	23.012	296.195	2725.594	12.353	0.000	11.113	0.000	4.546	0.000	0.000	12.729	10.759	50.337	MWD+IFR1+MS
2900.000	23.012	296.195	2817.636	12.702	0.000	11.554	0.000	4.695	0.000	0.000	13.074	11.176	51.789	MWD+IFR1+MS
3000.000	23.012	296.195	2909.679	13.058	0.000	12.000	0.000	4.847	0.000	0.000	13.426	11.596	53.335	MWD+IFR1+MS
3100.000	23.012	296.195	3001.721	13.419	0.000	12.449	0.000	5.004	0.000	0.000	13.786	12.017	54.974	MWD+IFR1+MS

3200.000	23.012	296.195	3093.763	13.786	0.000	12.902	0.000	5.164	0.000	0.000	14.154	12.438	56.700	MWD+IFR1+MS
3300.000	23.012	296.195	3185.805	14.158	0.000	13.357	0.000	5.327	0.000	0.000	14.530	12.859	58.506	MWD+IFR1+MS
3400.000	23.012	296.195	3277.847	14.534	0.000	13.816	0.000	5.493	0.000	0.000	14.912	13.279	60.381	MWD+IFR1+MS
3500.000	23.012	296.195	3369.890	14.915	0.000	14.276	0.000	5.662	0.000	0.000	15.302	13.699	62.311	MWD+IFR1+MS
3600.000	23.012	296.195	3461.932	15.300	0.000	14.739	0.000	5.834	0.000	0.000	15.699	14.117	64.279	MWD+IFR1+MS
3700.000	23.012	296.195	3553.974	15.688	0.000	15.204	0.000	6.008	0.000	0.000	16.103	14.534	66.266	MWD+IFR1+MS
3800.000	23.012	296.195	3646.016	16.080	0.000	15.670	0.000	6.184	0.000	0.000	16.513	14.949	68.252	MWD+IFR1+MS
3900.000	23.012	296.195	3738.058	16.475	0.000	16.138	0.000	6.362	0.000	0.000	16.929	15.363	70.218	MWD+IFR1+MS
4000.000	23.012	296.195	3830.101	16.872	0.000	16.608	0.000	6.543	0.000	0.000	17.351	15.775	72.144	MWD+IFR1+MS
4100.000	23.012	296.195	3922.143	17.273	0.000	17.079	0.000	6.725	0.000	0.000	17.779	16.185	74.015	MWD+IFR1+MS
4200.000	23.012	296.195	4014.185	17.676	0.000	17.551	0.000	6.910	0.000	0.000	18.212	16.594	75.817	MWD+IFR1+MS
4300.000	23.012	296.195	4106.227	18.081	0.000	18.024	0.000	7.096	0.000	0.000	18.649	17.002	77.540	MWD+IFR1+MS
4400.000	23.012	296.195	4198.269	18.489	0.000	18.499	0.000	7.284	0.000	0.000	19.091	17.408	79.176	MWD+IFR1+MS
4500.000	23.012	296.195	4290.311	18.898	0.000	18.974	0.000	7.473	0.000	0.000	19.537	17.814	80.722	MWD+IFR1+MS
4600.000	23.012	296.195	4382.354	19.310	0.000	19.451	0.000	7.664	0.000	0.000	19.987	18.218	82.176	MWD+IFR1+MS
4700.000	23.012	296.195	4474.396	19.723	0.000	19.928	0.000	7.857	0.000	0.000	20.440	18.622	83.539	MWD+IFR1+MS
4800.000	23.012	296.195	4566.438	20.139	0.000	20.406	0.000	8.051	0.000	0.000	20.896	19.025	84.814	MWD+IFR1+MS
4900.000	23.012	296.195	4658.480	20.555	0.000	20.885	0.000	8.246	0.000	0.000	21.355	19.428	86.003	MWD+IFR1+MS
5000.000	23.012	296.195	4750.522	20.974	0.000	21.364	0.000	8.443	0.000	0.000	21.817	19.830	87.112	MWD+IFR1+MS
5100.000	23.012	296.195	4842.565	21.393	0.000	21.844	0.000	8.642	0.000	0.000	22.281	20.232	88.144	MWD+IFR1+MS
5200.000	23.012	296.195	4934.607	21.814	0.000	22.325	0.000	8.842	0.000	0.000	22.747	20.634	89.105	MWD+IFR1+MS
5300.000	23.012	296.195	5026.649	22.236	0.000	22.806	0.000	9.043	0.000	0.000	23.214	21.037	90.000	MWD+IFR1+MS
5400.000	23.012	296.195	5118.691	22.660	0.000	23.288	0.000	9.245	0.000	0.000	23.684	21.439	90.834	MWD+IFR1+MS
5500.000	23.012	296.195	5210.733	23.084	0.000	23.770	0.000	9.449	0.000	0.000	24.155	21.841	91.611	MWD+IFR1+MS
5600.000	23.012	296.195	5302.776	23.510	0.000	24.253	0.000	9.655	0.000	0.000	24.627	22.243	92.336	MWD+IFR1+MS
5700.000	23.012	296.195	5394.818	23.937	0.000	24.736	0.000	9.861	0.000	0.000	25.101	22.646	93.012	MWD+IFR1+MS
5800.000	23.012	296.195	5486.860	24.364	0.000	25.220	0.000	10.069	0.000	0.000	25.576	23.049	93.644	MWD+IFR1+MS
5900.000	23.012	296.195	5578.902	24.793	0.000	25.704	0.000	10.278	0.000	0.000	26.052	23.452	94.236	MWD+IFR1+MS
6000.000	23.012	296.195	5670.944	25.222	0.000	26.188	0.000	10.489	0.000	0.000	26.529	23.855	94.790	MWD+IFR1+MS
6100.000	23.012	296.195	5762.986	25.652	0.000	26.673	0.000	10.701	0.000	0.000	27.007	24.259	95.310	MWD+IFR1+MS
6200.000	23.012	296.195	5855.029	26.083	0.000	27.158	0.000	10.914	0.000	0.000	27.485	24.663	95.798	MWD+IFR1+MS
6300.000	23.012	296.195	5947.071	26.515	0.000	27.644	0.000	11.128	0.000	0.000	27.965	25.068	96.256	MWD+IFR1+MS
6400.000	23.012	296.195	6039.113	26.947	0.000	28.129	0.000	11.344	0.000	0.000	28.445	25.472	96.688	MWD+IFR1+MS
6500.000	23.012	296.195	6131.155	27.380	0.000	28.615	0.000	11.562	0.000	0.000	28.926	25.878	97.094	MWD+IFR1+MS

6600.000	23.012	296.195	6223.197	27.814	0.000	29.101	0.000	11.780	0.000	0.000	29.408	26.283	97.478	MWD+IFR1+MS
6700.000	23.012	296.195	6315.240	28.248	0.000	29.588	0.000	12.000	0.000	0.000	29.890	26.689	97.840	MWD+IFR1+MS
6800.000	23.012	296.195	6407.282	28.683	0.000	30.075	0.000	12.221	0.000	0.000	30.373	27.095	98.183	MWD+IFR1+MS
6900.000	23.012	296.195	6499.324	29.119	0.000	30.562	0.000	12.444	0.000	0.000	30.856	27.502	98.507	MWD+IFR1+MS
7000.000	23.012	296.195	6591.366	29.555	0.000	31.049	0.000	12.668	0.000	0.000	31.339	27.909	98.814	MWD+IFR1+MS
7096.382	23.012	296.195	6680.078	29.975	0.000	31.518	0.000	12.885	0.000	0.000	31.805	28.302	99.100	MWD+IFR1+MS
7100.000	22.940	296.195	6683.409	29.993	0.000	31.535	0.000	12.893	0.000	0.000	31.823	28.316	99.112	MWD+IFR1+MS
7200.000	20.940	296.195	6776.162	30.496	0.000	32.008	0.000	13.120	0.000	0.000	32.294	28.735	99.265	MWD+IFR1+MS
7300.000	18.940	296.195	6870.163	31.019	0.000	32.464	0.000	13.355	0.000	0.000	32.764	29.192	98.914	MWD+IFR1+MS
7400.000	16.940	296.195	6965.296	31.493	0.000	32.901	0.000	13.574	0.000	0.000	33.214	29.643	98.507	MWD+IFR1+MS
7500.000	14.940	296.195	7061.446	31.918	0.000	33.317	0.000	13.778	0.000	0.000	33.646	30.085	98.049	MWD+IFR1+MS
7600.000	12.940	296.195	7158.496	32.294	0.000	33.713	0.000	13.968	0.000	0.000	34.059	30.517	97.543	MWD+IFR1+MS
7700.000	10.940	296.195	7256.328	32.620	0.000	34.091	0.000	14.145	0.000	0.000	34.454	30.937	96.992	MWD+IFR1+MS
7800.000	8.940	296.195	7354.822	32.896	0.000	34.450	0.000	14.312	0.000	0.000	34.831	31.346	96.402	MWD+IFR1+MS
7900.000	6.940	296.195	7453.858	33.122	0.000	34.790	0.000	14.468	0.000	0.000	35.192	31.742	95.778	MWD+IFR1+MS
8000.000	4.940	296.195	7553.316	33.299	0.000	35.114	0.000	14.616	0.000	0.000	35.536	32.123	95.124	MWD+IFR1+MS
8100.000	2.940	296.195	7653.075	33.425	0.000	35.421	0.000	14.757	0.000	0.000	35.865	32.491	94.447	MWD+IFR1+MS
8200.000	0.940	296.195	7753.012	33.502	0.000	35.713	0.000	14.893	0.000	0.000	36.180	32.843	93.755	MWD+IFR1+MS
8246.990	0.000	0.000	7800.000	36.301	0.000	32.994	0.000	14.955	0.000	0.000	36.315	32.979	93.710	MWD+IFR1+MS
8300.000	0.000	0.000	7853.010	36.449	0.000	33.142	0.000	15.025	0.000	0.000	36.463	33.127	93.762	MWD+IFR1+MS
8400.000	0.000	0.000	7953.010	36.729	0.000	33.426	0.000	15.159	0.000	0.000	36.743	33.410	93.886	MWD+IFR1+MS
8500.000	0.000	0.000	8053.010	37.011	0.000	33.714	0.000	15.296	0.000	0.000	37.027	33.697	94.044	MWD+IFR1+MS
8600.000	0.000	0.000	8153.010	37.295	0.000	34.003	0.000	15.437	0.000	0.000	37.312	33.985	94.200	MWD+IFR1+MS
8700.000	0.000	0.000	8253.010	37.581	0.000	34.294	0.000	15.580	0.000	0.000	37.599	34.274	94.353	MWD+IFR1+MS
8800.000	0.000	0.000	8353.010	37.867	0.000	34.585	0.000	15.728	0.000	0.000	37.887	34.564	94.504	MWD+IFR1+MS
8900.000	0.000	0.000	8453.010	38.155	0.000	34.878	0.000	15.878	0.000	0.000	38.176	34.855	94.653	MWD+IFR1+MS
9000.000	0.000	0.000	8553.010	38.444	0.000	35.172	0.000	16.032	0.000	0.000	38.466	35.148	94.800	MWD+IFR1+MS
9100.000	0.000	0.000	8653.010	38.734	0.000	35.468	0.000	16.189	0.000	0.000	38.758	35.442	94.945	MWD+IFR1+MS
9200.000	0.000	0.000	8753.010	39.025	0.000	35.764	0.000	16.350	0.000	0.000	39.050	35.737	95.088	MWD+IFR1+MS
9300.000	0.000	0.000	8853.010	39.318	0.000	36.062	0.000	16.514	0.000	0.000	39.344	36.033	95.229	MWD+IFR1+MS
9400.000	0.000	0.000	8953.010	39.611	0.000	36.360	0.000	16.682	0.000	0.000	39.639	36.330	95.367	MWD+IFR1+MS
9500.000	0.000	0.000	9053.010	39.906	0.000	36.660	0.000	16.853	0.000	0.000	39.935	36.628	95.504	MWD+IFR1+MS
9600.000	0.000	0.000	9153.010	40.201	0.000	36.961	0.000	17.028	0.000	0.000	40.232	36.928	95.639	MWD+IFR1+MS
9700.000	0.000	0.000	9253.010	40.498	0.000	37.263	0.000	17.206	0.000	0.000	40.530	37.228	95.772	MWD+IFR1+MS

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

Description of Operations:

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

9800.000	0.000	0.000	9353.010	40.795	0.000	37.566	0.000	17.388	0.000	0.000	40.829	37.529	95.903	MWD+IFR1+MS
9900.000	0.000	0.000	9453.010	41.094	0.000	37.869	0.000	17.573	0.000	0.000	41.129	37.831	96.033	MWD+IFR1+MS
10000.000	0.000	0.000	9553.010	41.393	0.000	38.174	0.000	17.762	0.000	0.000	41.430	38.135	96.160	MWD+IFR1+MS
10100.000	0.000	0.000	9653.010	41.694	0.000	38.480	0.000	17.954	0.000	0.000	41.732	38.439	96.286	MWD+IFR1+MS
10200.000	0.000	0.000	9753.010	41.995	0.000	38.786	0.000	18.151	0.000	0.000	42.034	38.744	96.410	MWD+IFR1+MS
10300.000	0.000	0.000	9853.010	42.297	0.000	39.094	0.000	18.350	0.000	0.000	42.338	39.050	96.532	MWD+IFR1+MS
10400.000	0.000	0.000	9953.010	42.600	0.000	39.402	0.000	18.553	0.000	0.000	42.643	39.356	96.653	MWD+IFR1+MS
10500.000	0.000	0.000	10053.010	42.904	0.000	39.711	0.000	18.760	0.000	0.000	42.948	39.664	96.772	MWD+IFR1+MS
10600.000	0.000	0.000	10153.010	43.209	0.000	40.021	0.000	18.971	0.000	0.000	43.254	39.972	96.889	MWD+IFR1+MS
10700.000	0.000	0.000	10253.010	43.515	0.000	40.332	0.000	19.185	0.000	0.000	43.562	40.281	97.005	MWD+IFR1+MS
10800.000	0.000	0.000	10353.010	43.821	0.000	40.644	0.000	19.403	0.000	0.000	43.869	40.591	97.120	MWD+IFR1+MS
10900.000	0.000	0.000	10453.010	44.128	0.000	40.956	0.000	19.624	0.000	0.000	44.178	40.902	97.232	MWD+IFR1+MS
11000.000	0.000	0.000	10553.010	44.436	0.000	41.269	0.000	19.849	0.000	0.000	44.488	41.213	97.344	MWD+IFR1+MS
11100.000	0.000	0.000	10653.010	44.745	0.000	41.583	0.000	20.078	0.000	0.000	44.798	41.526	97.453	MWD+IFR1+MS
11200.000	0.000	0.000	10753.010	45.054	0.000	41.897	0.000	20.310	0.000	0.000	45.109	41.839	97.562	MWD+IFR1+MS
11300.000	0.000	0.000	10853.010	45.364	0.000	42.213	0.000	20.546	0.000	0.000	45.420	42.152	97.669	MWD+IFR1+MS
11400.000	0.000	0.000	10953.010	45.675	0.000	42.529	0.000	20.785	0.000	0.000	45.733	42.467	97.774	MWD+IFR1+MS
11500.000	0.000	0.000	11053.010	45.987	0.000	42.845	0.000	21.028	0.000	0.000	46.046	42.782	97.879	MWD+IFR1+MS
11600.000	0.000	0.000	11153.010	46.299	0.000	43.162	0.000	21.275	0.000	0.000	46.360	43.097	97.981	MWD+IFR1+MS
11700.000	0.000	0.000	11253.010	46.612	0.000	43.480	0.000	21.526	0.000	0.000	46.674	43.413	98.083	MWD+IFR1+MS
11800.000	0.000	0.000	11353.010	46.925	0.000	43.799	0.000	21.780	0.000	0.000	46.989	43.730	98.183	MWD+IFR1+MS
11900.000	0.000	0.000	11453.010	47.240	0.000	44.118	0.000	22.038	0.000	0.000	47.305	44.048	98.282	MWD+IFR1+MS
11944.790	0.000	0.000	11497.800	47.379	0.000	44.260	0.000	22.154	0.000	0.000	47.445	44.189	98.303	MWD+IFR1+MS
12000.000	4.417	179.662	11552.955	47.113	0.000	44.432	-0.000	22.298	0.000	0.000	47.623	44.355	98.301	MWD+IFR1+MS
12100.000	12.417	179.662	11651.798	46.585	0.000	44.710	-0.000	22.587	0.000	0.000	48.402	44.632	97.750	MWD+IFR1+MS
12200.000	20.417	179.662	11747.643	45.764	0.000	44.967	-0.000	22.992	0.000	0.000	49.436	44.886	97.148	MWD+IFR1+MS
12300.000	28.417	179.662	11838.626	44.366	0.000	45.199	-0.000	23.559	0.000	0.000	50.340	45.113	96.840	MWD+IFR1+MS
12400.000	36.417	179.662	11922.974	42.506	0.000	45.404	-0.000	24.326	0.000	0.000	51.096	45.312	96.691	MWD+IFR1+MS
12500.000	44.417	179.662	11999.047	40.337	0.000	45.581	-0.000	25.306	0.000	0.000	51.695	45.484	96.621	MWD+IFR1+MS
12600.000	52.417	179.662	12065.364	38.059	0.000	45.731	-0.000	26.490	0.000	0.000	52.138	45.630	96.573	MWD+IFR1+MS
12700.000	60.417	179.662	12120.634	35.916	0.000	45.853	-0.000	27.847	0.000	0.000	52.437	45.752	96.497	MWD+IFR1+MS
12800.000	68.417	179.662	12163.781	34.189	0.000	45.949	-0.000	29.334	0.000	0.000	52.610	45.851	96.345	MWD+IFR1+MS
12900.000	76.417	179.662	12193.965	33.162	0.000	46.019	-0.000	30.899	0.000	0.000	52.685	45.928	96.065	MWD+IFR1+MS
13000.000	84.417	179.662	12210.600	33.058	0.000	46.062	-0.000	32.489	0.000	0.000	52.696	45.985	95.604	MWD+IFR1+MS

13069.790	90.000	179.662	12213.997	33.135	0.000	46.075	-0.000	33.135	0.000	0.000	52.687	46.010	95.142	MWD+IFR1+MS
13100.000	90.000	179.662	12213.997	33.231	0.000	46.078	-0.000	33.231	0.000	0.000	52.683	46.018	94.919	MWD+IFR1+MS
13200.000	90.000	179.662	12213.997	33.511	0.000	46.102	-0.000	33.511	0.000	0.000	52.671	46.058	94.184	MWD+IFR1+MS
13300.000	90.000	179.662	12213.997	33.810	0.000	46.145	-0.000	33.810	0.000	0.000	52.661	46.114	93.448	MWD+IFR1+MS
13400.000	90.000	179.662	12213.997	34.124	0.000	46.205	-0.000	34.124	0.000	0.000	52.654	46.185	92.706	MWD+IFR1+MS
13500.000	90.000	179.662	12213.997	34.453	0.000	46.281	-0.000	34.453	0.000	0.000	52.650	46.270	91.953	MWD+IFR1+MS
13600.000	90.000	179.662	12213.997	34.797	0.000	46.374	-0.000	34.797	0.000	0.000	52.649	46.370	91.183	MWD+IFR1+MS
13700.000	90.000	179.662	12213.997	35.155	0.000	46.484	-0.000	35.155	0.000	0.000	52.650	46.483	90.393	MWD+IFR1+MS
13800.000	90.000	179.662	12213.997	35.527	0.000	46.610	-0.000	35.527	0.000	0.000	52.654	46.610	89.575	MWD+IFR1+MS
13900.000	90.000	179.662	12213.997	35.912	0.000	46.752	-0.000	35.912	0.000	0.000	52.661	46.751	88.725	MWD+IFR1+MS
14000.000	90.000	179.662	12213.997	36.309	0.000	46.911	-0.000	36.309	0.000	0.000	52.672	46.905	87.833	MWD+IFR1+MS
14100.000	90.000	179.662	12213.997	36.720	0.000	47.085	-0.000	36.720	0.000	0.000	52.685	47.071	86.893	MWD+IFR1+MS
14200.000	90.000	179.662	12213.997	37.142	0.000	47.275	-0.000	37.142	0.000	0.000	52.702	47.251	85.895	MWD+IFR1+MS
14300.000	90.000	179.662	12213.997	37.576	0.000	47.481	-0.000	37.576	0.000	0.000	52.724	47.442	84.828	MWD+IFR1+MS
14400.000	90.000	179.662	12213.997	38.021	0.000	47.702	-0.000	38.021	0.000	0.000	52.749	47.644	83.679	MWD+IFR1+MS
14500.000	90.000	179.662	12213.997	38.478	0.000	47.938	-0.000	38.478	0.000	0.000	52.780	47.857	82.435	MWD+IFR1+MS
14600.000	90.000	179.662	12213.997	38.944	0.000	48.190	-0.000	38.944	0.000	0.000	52.816	48.079	81.078	MWD+IFR1+MS
14700.000	90.000	179.662	12213.997	39.421	0.000	48.455	-0.000	39.421	0.000	0.000	52.859	48.310	79.590	MWD+IFR1+MS
14800.000	90.000	179.662	12213.997	39.907	0.000	48.736	-0.000	39.907	0.000	0.000	52.909	48.548	77.949	MWD+IFR1+MS
14900.000	90.000	179.662	12213.997	40.403	0.000	49.030	-0.000	40.403	0.000	0.000	52.968	48.793	76.131	MWD+IFR1+MS
15000.000	90.000	179.662	12213.997	40.908	0.000	49.339	-0.000	40.908	0.000	0.000	53.037	49.041	74.111	MWD+IFR1+MS
15100.000	90.000	179.662	12213.997	41.422	0.000	49.661	-0.000	41.422	0.000	0.000	53.118	49.291	71.864	MWD+IFR1+MS
15200.000	90.000	179.662	12213.997	41.944	0.000	49.997	-0.000	41.944	0.000	0.000	53.214	49.541	69.370	MWD+IFR1+MS
15300.000	90.000	179.662	12213.997	42.474	0.000	50.346	-0.000	42.474	0.000	0.000	53.326	49.787	66.614	MWD+IFR1+MS
15400.000	90.000	179.662	12213.997	43.012	0.000	50.707	-0.000	43.012	0.000	0.000	53.458	50.027	63.598	MWD+IFR1+MS
15500.000	90.000	179.662	12213.997	43.557	0.000	51.082	-0.000	43.557	0.000	0.000	53.614	50.257	60.343	MWD+IFR1+MS
15600.000	90.000	179.662	12213.997	44.110	0.000	51.468	-0.000	44.110	0.000	0.000	53.794	50.473	56.898	MWD+IFR1+MS
15700.000	90.000	179.662	12213.997	44.669	0.000	51.867	-0.000	44.669	0.000	0.000	54.003	50.675	53.339	MWD+IFR1+MS
15800.000	90.000	179.662	12213.997	45.235	0.000	52.278	-0.000	45.235	0.000	0.000	54.242	50.859	49.758	MWD+IFR1+MS
15900.000	90.000	179.662	12213.997	45.808	0.000	52.700	-0.000	45.808	0.000	0.000	54.511	51.024	46.252	MWD+IFR1+MS
16000.000	90.000	179.662	12213.997	46.387	0.000	53.133	-0.000	46.387	0.000	0.000	54.810	51.172	42.909	MWD+IFR1+MS
16100.000	90.000	179.662	12213.997	46.972	0.000	53.577	-0.000	46.972	0.000	0.000	55.137	51.303	39.791	MWD+IFR1+MS
16200.000	90.000	179.662	12213.997	47.562	0.000	54.032	-0.000	47.562	0.000	0.000	55.490	51.418	36.934	MWD+IFR1+MS
16300.000	90.000	179.662	12213.997	48.159	0.000	54.498	-0.000	48.159	0.000	0.000	55.868	51.520	34.349	MWD+IFR1+MS

16400.000	90.000	179.662	12213.997	48.760	0.000	54.973	-0.000	48.760	0.000	0.000	56.268	51.610	32.031	MWD+IFR1+MS
16500.000	90.000	179.662	12213.997	49.367	0.000	55.459	-0.000	49.367	0.000	0.000	56.688	51.691	29.961	MWD+IFR1+MS
16600.000	90.000	179.662	12213.997	49.978	0.000	55.954	-0.000	49.978	0.000	0.000	57.126	51.763	28.117	MWD+IFR1+MS
16700.000	90.000	179.662	12213.997	50.595	0.000	56.459	-0.000	50.595	0.000	0.000	57.581	51.829	26.473	MWD+IFR1+MS
16800.000	90.000	179.662	12213.997	51.216	0.000	56.972	-0.000	51.216	0.000	0.000	58.051	51.890	25.005	MWD+IFR1+MS
16900.000	90.000	179.662	12213.997	51.841	0.000	57.495	-0.000	51.841	0.000	0.000	58.535	51.946	23.691	MWD+IFR1+MS
17000.000	90.000	179.662	12213.997	52.471	0.000	58.026	-0.000	52.471	0.000	0.000	59.032	51.998	22.510	MWD+IFR1+MS
17100.000	90.000	179.662	12213.997	53.105	0.000	58.566	-0.000	53.105	0.000	0.000	59.541	52.048	21.446	MWD+IFR1+MS
17200.000	90.000	179.662	12213.997	53.743	0.000	59.114	-0.000	53.743	0.000	0.000	60.061	52.094	20.483	MWD+IFR1+MS
17300.000	90.000	179.662	12213.997	54.384	0.000	59.669	-0.000	54.384	0.000	0.000	60.591	52.139	19.608	MWD+IFR1+MS
17400.000	90.000	179.662	12213.997	55.030	0.000	60.233	-0.000	55.030	0.000	0.000	61.132	52.182	18.810	MWD+IFR1+MS
17500.000	90.000	179.662	12213.997	55.679	0.000	60.804	-0.000	55.679	0.000	0.000	61.682	52.224	18.080	MWD+IFR1+MS
17600.000	90.000	179.662	12213.997	56.331	0.000	61.383	-0.000	56.331	0.000	0.000	62.241	52.264	17.409	MWD+IFR1+MS
17700.000	90.000	179.662	12213.997	56.987	0.000	61.968	-0.000	56.987	0.000	0.000	62.809	52.304	16.791	MWD+IFR1+MS
17800.000	90.000	179.662	12213.997	57.646	0.000	62.561	-0.000	57.646	0.000	0.000	63.385	52.343	16.220	MWD+IFR1+MS
17900.000	90.000	179.662	12213.997	58.308	0.000	63.160	-0.000	58.308	0.000	0.000	63.968	52.381	15.691	MWD+IFR1+MS
18000.000	90.000	179.662	12213.997	58.973	0.000	63.765	-0.000	58.973	0.000	0.000	64.559	52.419	15.198	MWD+IFR1+MS
18100.000	90.000	179.662	12213.997	59.641	0.000	64.378	-0.000	59.641	0.000	0.000	65.158	52.457	14.739	MWD+IFR1+MS
18200.000	90.000	179.662	12213.997	60.312	0.000	64.996	-0.000	60.312	0.000	0.000	65.763	52.494	14.309	MWD+IFR1+MS
18300.000	90.000	179.662	12213.997	60.986	0.000	65.620	-0.000	60.986	0.000	0.000	66.375	52.532	13.907	MWD+IFR1+MS
18400.000	90.000	179.662	12213.997	61.662	0.000	66.250	-0.000	61.662	0.000	0.000	66.994	52.569	13.529	MWD+IFR1+MS
18500.000	90.000	179.662	12213.997	62.341	0.000	66.886	-0.000	62.341	0.000	0.000	67.618	52.607	13.174	MWD+IFR1+MS
18600.000	90.000	179.662	12213.997	63.022	0.000	67.527	-0.000	63.022	0.000	0.000	68.249	52.644	12.838	MWD+IFR1+MS
18700.000	90.000	179.662	12213.997	63.705	0.000	68.174	-0.000	63.705	0.000	0.000	68.885	52.682	12.521	MWD+IFR1+MS
18800.000	90.000	179.662	12213.997	64.391	0.000	68.825	-0.000	64.391	0.000	0.000	69.528	52.719	12.221	MWD+IFR1+MS
18900.000	90.000	179.662	12213.997	65.079	0.000	69.482	-0.000	65.079	0.000	0.000	70.175	52.757	11.937	MWD+IFR1+MS
19000.000	90.000	179.662	12213.997	65.770	0.000	70.144	-0.000	65.770	0.000	0.000	70.828	52.796	11.667	MWD+IFR1+MS
19100.000	90.000	179.662	12213.997	66.462	0.000	70.810	-0.000	66.462	0.000	0.000	71.486	52.834	11.410	MWD+IFR1+MS
19200.000	90.000	179.662	12213.997	67.156	0.000	71.481	-0.000	67.156	0.000	0.000	72.149	52.873	11.165	MWD+IFR1+MS
19300.000	90.000	179.662	12213.997	67.853	0.000	72.157	-0.000	67.853	0.000	0.000	72.816	52.912	10.932	MWD+IFR1+MS
19400.000	90.000	179.662	12213.997	68.551	0.000	72.837	-0.000	68.551	0.000	0.000	73.489	52.951	10.709	MWD+IFR1+MS
19500.000	90.000	179.662	12213.997	69.251	0.000	73.521	-0.000	69.251	0.000	0.000	74.165	52.991	10.495	MWD+IFR1+MS
19600.000	90.000	179.662	12213.997	69.953	0.000	74.210	-0.000	69.953	0.000	0.000	74.846	53.031	10.291	MWD+IFR1+MS
19700.000	90.000	179.662	12213.997	70.657	0.000	74.902	-0.000	70.657	0.000	0.000	75.532	53.072	10.096	MWD+IFR1+MS

19800.000	90.000	179.662	12213.997	71.362	0.000	75.598	-0.000	71.362	0.000	0.000	76.221	53.112	9.908	MWD+IFR1+MS
19900.000	90.000	179.662	12213.997	72.069	0.000	76.299	-0.000	72.069	0.000	0.000	76.915	53.154	9.728	MWD+IFR1+MS
20000.000	90.000	179.662	12213.997	72.778	0.000	77.002	-0.000	72.778	0.000	0.000	77.612	53.195	9.555	MWD+IFR1+MS
20100.000	90.000	179.662	12213.997	73.488	0.000	77.710	-0.000	73.488	0.000	0.000	78.313	53.238	9.388	MWD+IFR1+MS
20200.000	90.000	179.662	12213.997	74.200	0.000	78.421	-0.000	74.200	0.000	0.000	79.018	53.280	9.227	MWD+IFR1+MS
20300.000	90.000	179.662	12213.997	74.913	0.000	79.135	-0.000	74.913	0.000	0.000	79.727	53.323	9.073	MWD+IFR1+MS
20400.000	90.000	179.662	12213.997	75.627	0.000	79.853	-0.000	75.627	0.000	0.000	80.438	53.367	8.923	MWD+IFR1+MS
20500.000	90.000	179.662	12213.997	76.343	0.000	80.574	-0.000	76.343	0.000	0.000	81.154	53.410	8.779	MWD+IFR1+MS
20600.000	90.000	179.662	12213.997	77.061	0.000	81.298	-0.000	77.061	0.000	0.000	81.872	53.455	8.640	MWD+IFR1+MS
20700.000	90.000	179.662	12213.997	77.779	0.000	82.025	-0.000	77.779	0.000	0.000	82.594	53.500	8.506	MWD+IFR1+MS
20800.000	90.000	179.662	12213.997	78.499	0.000	82.755	-0.000	78.499	0.000	0.000	83.318	53.545	8.375	MWD+IFR1+MS
20900.000	90.000	179.662	12213.997	79.220	0.000	83.488	-0.000	79.220	0.000	0.000	84.046	53.591	8.249	MWD+IFR1+MS
21000.000	90.000	179.662	12213.997	79.942	0.000	84.224	-0.000	79.942	0.000	0.000	84.777	53.637	8.127	MWD+IFR1+MS
21100.000	90.000	179.662	12213.997	80.666	0.000	84.963	-0.000	80.666	0.000	0.000	85.510	53.684	8.009	MWD+IFR1+MS
21200.000	90.000	179.662	12213.997	81.390	0.000	85.704	-0.000	81.390	0.000	0.000	86.247	53.731	7.894	MWD+IFR1+MS
21300.000	90.000	179.662	12213.997	82.116	0.000	86.448	-0.000	82.116	0.000	0.000	86.986	53.778	7.783	MWD+IFR1+MS
21400.000	90.000	179.662	12213.997	82.843	0.000	87.195	-0.000	82.843	0.000	0.000	87.728	53.826	7.675	MWD+IFR1+MS
21500.000	90.000	179.662	12213.997	83.571	0.000	87.943	-0.000	83.571	0.000	0.000	88.472	53.875	7.570	MWD+IFR1+MS
21600.000	90.000	179.662	12213.997	84.300	0.000	88.695	-0.000	84.300	0.000	0.000	89.219	53.924	7.468	MWD+IFR1+MS
21700.000	90.000	179.662	12213.997	85.029	0.000	89.449	-0.000	85.029	0.000	0.000	89.968	53.974	7.369	MWD+IFR1+MS
21800.000	90.000	179.662	12213.997	85.760	0.000	90.205	-0.000	85.760	0.000	0.000	90.719	54.024	7.272	MWD+IFR1+MS
21900.000	90.000	179.662	12213.997	86.492	0.000	90.963	-0.000	86.492	0.000	0.000	91.473	54.074	7.179	MWD+IFR1+MS
22000.000	90.000	179.662	12213.997	87.225	0.000	91.723	-0.000	87.225	0.000	0.000	92.230	54.125	7.087	MWD+IFR1+MS
22100.000	90.000	179.662	12213.997	87.958	0.000	92.486	-0.000	87.958	0.000	0.000	92.988	54.177	6.998	MWD+IFR1+MS
22200.000	90.000	179.662	12213.997	88.693	0.000	93.251	-0.000	88.693	0.000	0.000	93.749	54.229	6.911	MWD+IFR1+MS
22300.000	90.000	179.662	12213.997	89.428	0.000	94.017	-0.000	89.428	0.000	0.000	94.511	54.281	6.827	MWD+IFR1+MS
22400.000	90.000	179.662	12213.997	90.164	0.000	94.786	-0.000	90.164	0.000	0.000	95.276	54.334	6.744	MWD+IFR1+MS
22500.000	90.000	179.662	12213.997	90.901	0.000	95.557	-0.000	90.901	0.000	0.000	96.043	54.388	6.664	MWD+IFR1+MS
22600.000	90.000	179.662	12213.997	91.639	0.000	96.329	-0.000	91.639	0.000	0.000	96.811	54.442	6.585	MWD+IFR1+MS
22700.000	90.000	179.662	12213.997	92.377	0.000	97.103	-0.000	92.377	0.000	0.000	97.582	54.496	6.509	MWD+IFR1+MS
22800.000	90.000	179.662	12213.997	93.117	0.000	97.879	-0.000	93.117	0.000	0.000	98.354	54.551	6.434	MWD+IFR1+MS
22900.000	90.000	179.662	12213.997	93.857	0.000	98.657	-0.000	93.857	0.000	0.000	99.128	54.606	6.361	MWD+IFR1+MS
23000.000	90.000	179.662	12213.997	94.597	0.000	99.437	-0.000	94.597	0.000	0.000	99.904	54.662	6.289	MWD+IFR1+MS
23100.000	90.000	179.662	12213.997	95.339	0.000	100.218	-0.000	95.339	0.000	0.000	100.682	54.719	6.220	MWD+IFR1+MS

23200.000	90.000	179.662	12213.997	96.081	0.000	101.001	-0.000	96.081	0.000	0.000	101.461	54.775	6.151	MWD+IFR1+MS	
23300.000	90.000	179.662	12213.997	96.824	0.000	101.786	-0.000	96.824	0.000	0.000	102.242	54.833	6.085	MWD+IFR1+MS	
23400.000	90.000	179.662	12213.997	97.567	0.000	102.572	-0.000	97.567	0.000	0.000	103.025	54.891	6.019	MWD+IFR1+MS	
23500.000	90.000	179.662	12213.997	98.311	0.000	103.359	-0.000	98.311	0.000	0.000	103.809	54.949	5.955	MWD+IFR1+MS	
23600.000	90.000	179.662	12213.997	99.056	0.000	104.148	-0.000	99.056	0.000	0.000	104.595	55.008	5.893	MWD+IFR1+MS	
23700.000	90.000	179.662	12213.997	99.801	0.000	104.939	-0.000	99.801	0.000	0.000	105.382	55.067	5.832	MWD+IFR1+MS	
23800.000	90.000	179.662	12213.997	100.547	0.000	105.731	-0.000	100.547	0.000	0.000	106.171	55.127	5.772	MWD+IFR1+MS	
23900.000	90.000	179.662	12213.997	101.294	0.000	106.524	-0.000	101.294	0.000	0.000	106.961	55.187	5.713	MWD+IFR1+MS	
24000.000	90.000	179.662	12213.997	102.041	0.000	107.319	-0.000	102.041	0.000	0.000	107.753	55.248	5.655	MWD+IFR1+MS	
24100.000	90.000	179.662	12213.997	102.789	0.000	108.115	-0.000	102.789	0.000	0.000	108.546	55.309	5.599	MWD+IFR1+MS	
24200.000	90.000	179.662	12213.997	103.537	0.000	108.912	-0.000	103.537	0.000	0.000	109.340	55.370	5.544	MWD+IFR1+MS	
24300.000	90.000	179.662	12213.997	104.286	0.000	109.711	-0.000	104.286	0.000	0.000	110.136	55.433	5.489	MWD+IFR1+MS	
24400.000	90.000	179.662	12213.997	105.035	0.000	110.511	-0.000	105.035	0.000	0.000	110.933	55.495	5.436	MWD+IFR1+MS	
24500.000	90.000	179.662	12213.997	105.785	0.000	111.312	-0.000	105.785	0.000	0.000	111.731	55.558	5.384	MWD+IFR1+MS	
24600.000	90.000	179.662	12213.997	106.535	0.000	112.114	-0.000	106.535	0.000	0.000	112.530	55.622	5.333	MWD+IFR1+MS	
24700.000	90.000	179.662	12213.997	107.286	0.000	112.918	-0.000	107.286	0.000	0.000	113.331	55.686	5.283	MWD+IFR1+MS	
24800.000	90.000	179.662	12213.997	108.037	0.000	113.722	-0.000	108.037	0.000	0.000	114.133	55.750	5.233	MWD+IFR1+MS	
24900.000	90.000	179.662	12213.997	108.789	0.000	114.528	-0.000	108.789	0.000	0.000	114.936	55.815	5.185	MWD+IFR1+MS	
25000.000	90.000	179.662	12213.997	109.541	0.000	115.335	-0.000	109.541	0.000	0.000	115.740	55.880	5.137	MWD+IFR1+MS	
25100.000	90.000	179.662	12213.997	110.294	0.000	116.143	-0.000	110.294	0.000	0.000	116.545	55.946	5.091	MWD+IFR1+MS	
25200.000	90.000	179.662	12213.997	110.670	0.000	116.620	-0.000	110.670	0.000	0.000	117.116	62.950	5.918	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	
25300.000	90.000	179.662	12213.997	110.672	0.000	116.770	-0.000	110.672	0.000	0.000	117.266	63.033	5.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	
25335.093	90.000	179.662	12213.997	110.673	0.000	116.823	-0.000	110.673	0.000	0.000	117.319	63.063	5.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	
25400.000	90.000	179.662	12213.997	110.676	0.000	116.923	-0.000	110.676	0.000	0.000	117.419	63.118	5.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	
25425.520	90.000	179.662	12213.997	110.677	0.000	116.962	-0.000	110.677	0.000	0.000	117.459	63.139	5.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	

Plan Targets Poker Lake Unit 23 DTD South 441H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 7	12796.79	440527.60	647935.20	8753.00	RECTANGLE
SHL 10	15771.16	439488.89	650152.51	7896.73	RECTANGLE
LTP 7	25335.62	427545.80	648011.70	8753.00	RECTANGLE
BHL 7	25426.12	427455.80	648012.90	8753.00	RECTANGLE

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMNM030452**
LOCATION:	Sec. 23, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 23 DTD 441H
SURFACE HOLE FOOTAGE:	1152'/N & 1171'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 1475'/W

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **780** 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.

Intermediate1 &2 casings must be kept fluid filled to meet BLM minimum collapse requirement.

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

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6610'.**

b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement should tie-back **200 ft** into the previous casing. If cement does not reach the tie-back, the appropriate BLM office shall be notified.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

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

Operator has proposed to pump down Intermediate 1 X Intermediate 2 annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the Surface casing to tieback requirements listed above after the second stage BH to verify TOC. Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

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

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:
   - Cement should tie-back **200 feet** into the previous casing. Operator shall provide method of verification. **Excess calculates to 15%. Additional cement maybe required.**

C. PRESSURE CONTROL

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

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

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

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

(575-706-2779) prior to the commencement of any BOPE Break Testing operations.

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

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

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

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

GENERAL REQUIREMENTS

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

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

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 10/15/2024
575-234-5998 / zstevens@blm.gov

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

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

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

Ignition of Gas source

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

Characteristics of H_2S and SO_2

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

Contacting Authorities

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

CARLSBAD OFFICE – EDDY & LEA COUNTIES

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

XTO PERSONNEL:

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

SHERIFF DEPARTMENTS:

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

NEW MEXICO STATE POLICE: 575-392-5588

FIRE DEPARTMENTS: 911

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

HOSPITALS: 911

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

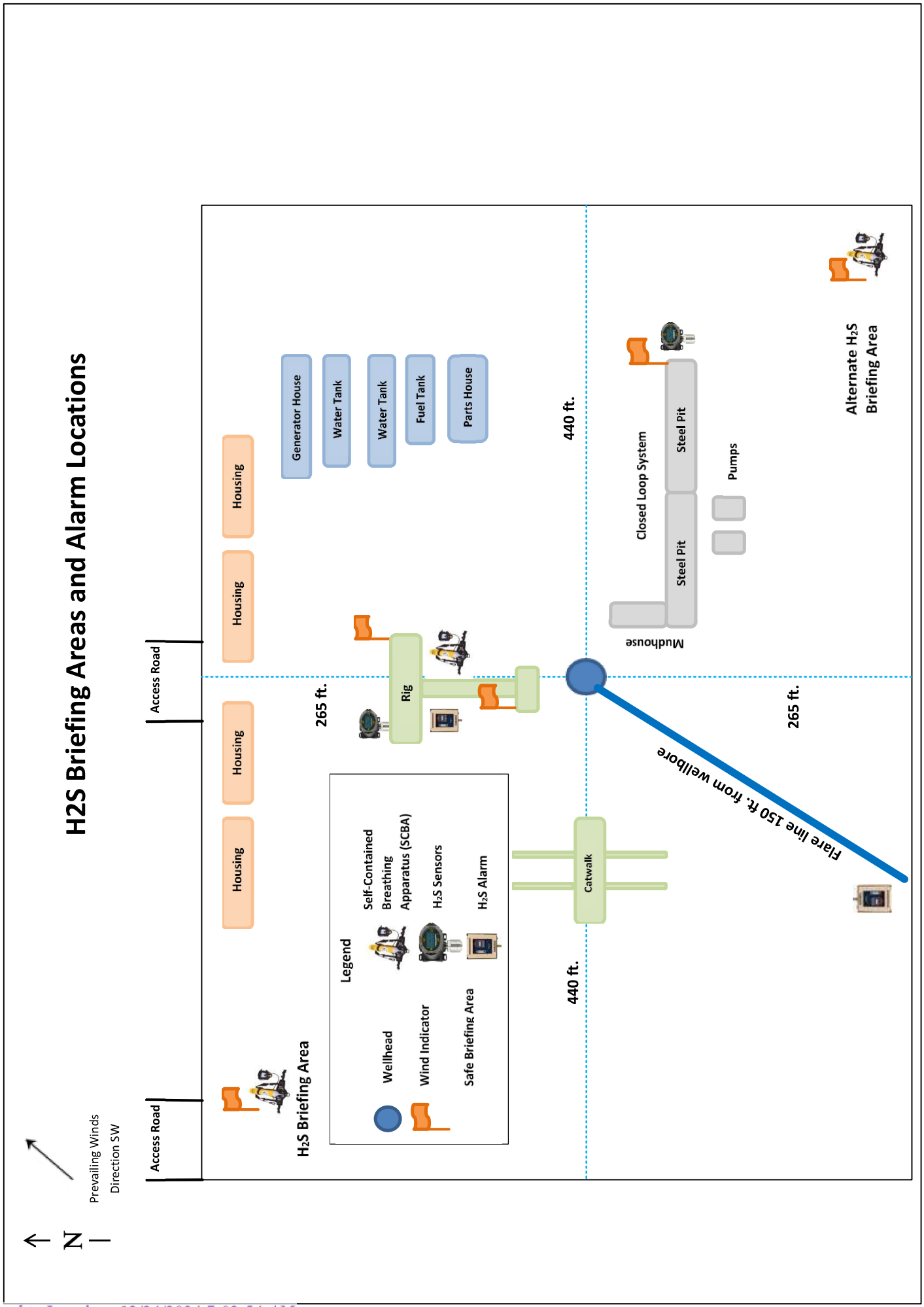
AGENT NOTIFICATIONS:

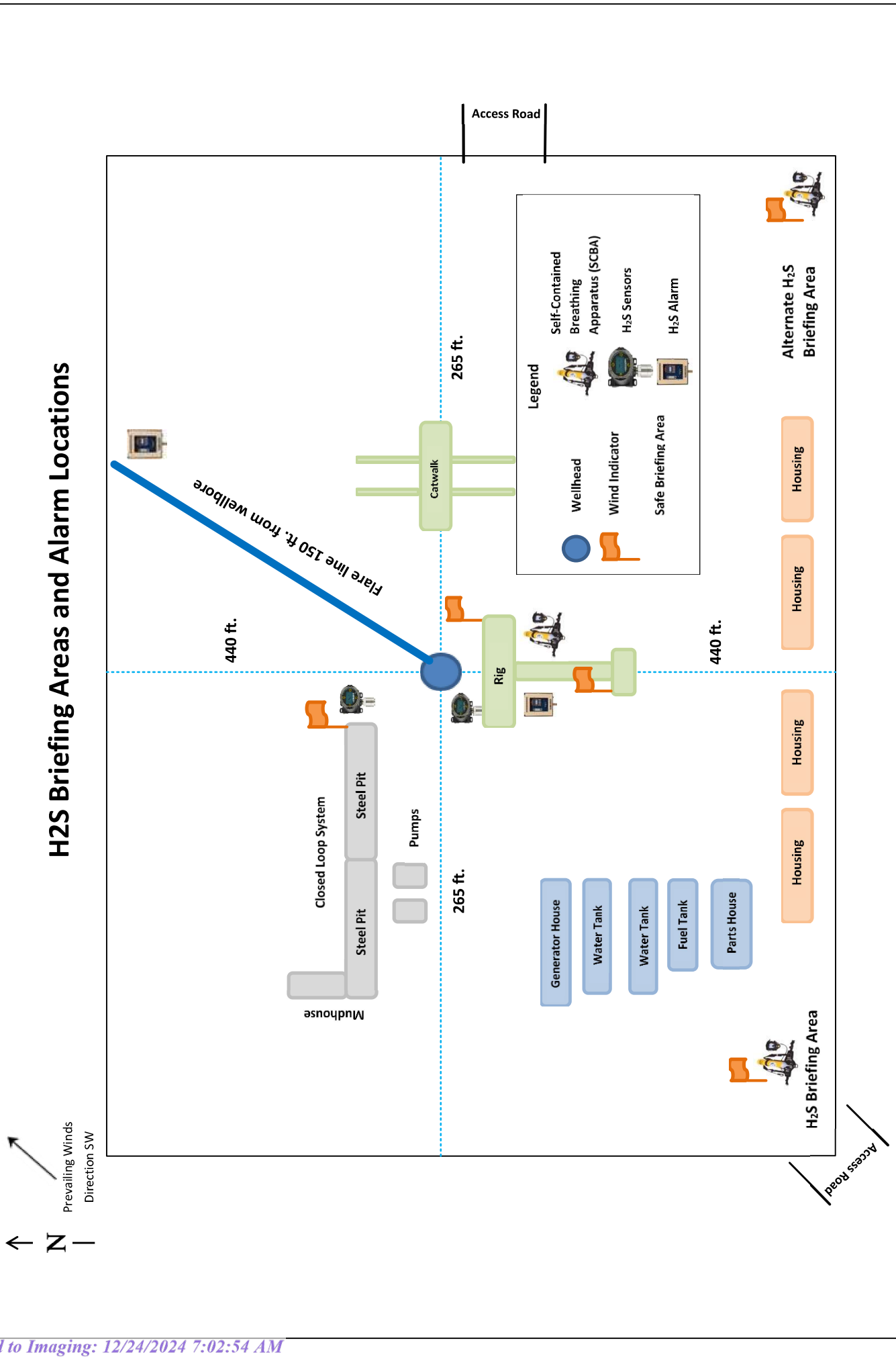
For Lea County:

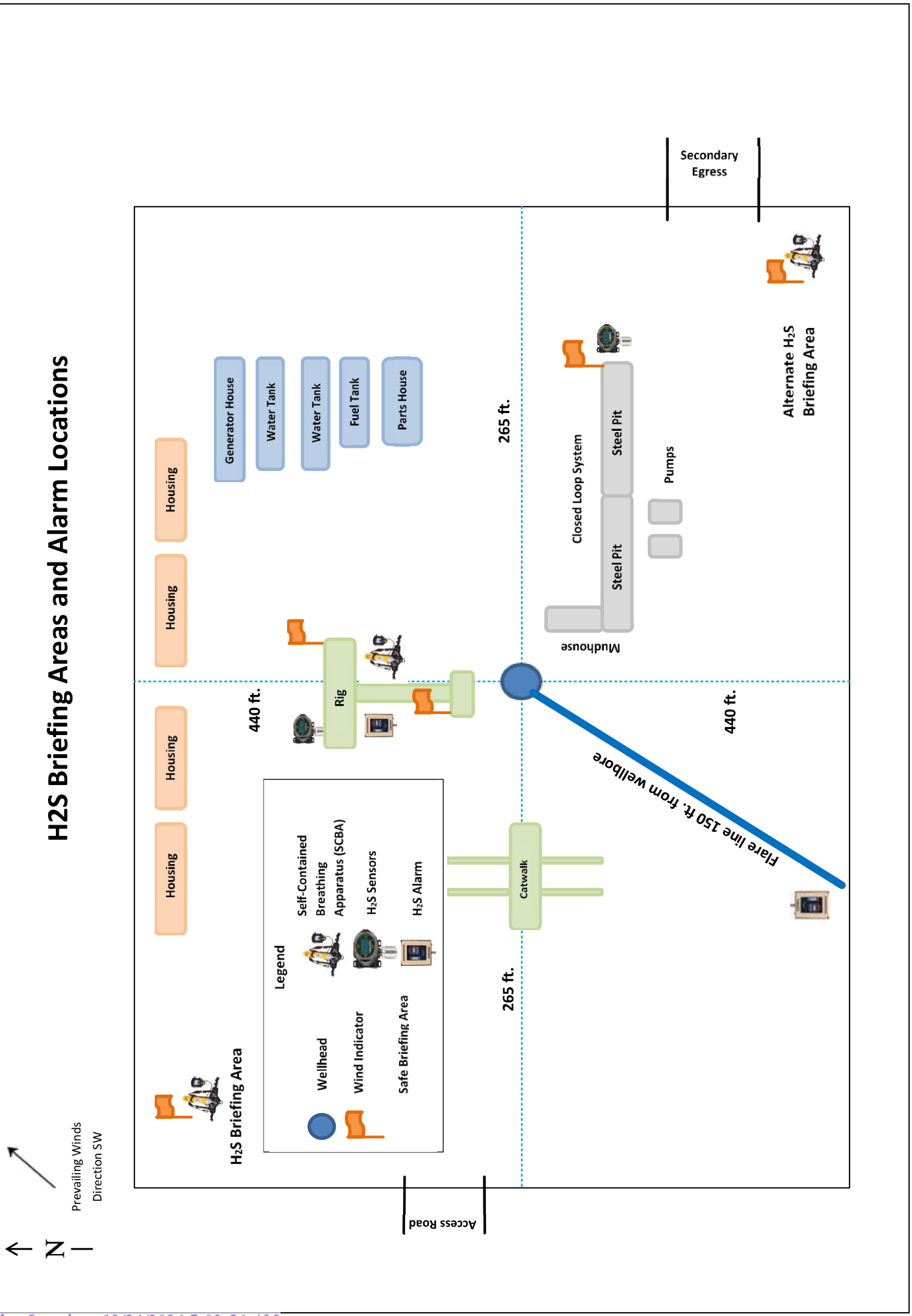
Bureau of Land Management – Hobbs	575-393-3612
New Mexico Oil Conservation Division – Hobbs	575-393-6161

For Eddy County:

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


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


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


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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

Safe containmant attachment:

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

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

Waste type: GARBAGE

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

Amount of waste: 250 pounds

Waste disposal frequency : Weekly

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

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 23 DTD **Well Number:** 441H

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_23_DTD_441H_Well_20240413185100.pdf

Comments: Multi-well pad.

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** POKER LAKE UNIT 23 DTD

Multiple Well Pad Number: C

Recontouring

PLU_23_DTD_IR1_20240411181254.pdf

PLU_23_DTD_IR2_20240411181254.pdf

PLU_23_DTD_IR3_20240411181254.pdf

PLU_23_DTD_IR4_20240411181254.pdf

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

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 441H

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

Disturbance Comments:

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

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

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

<style isBold="true">Existing Vegetation Community at the road:</style> 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

<style isBold="true">Existing Vegetation Community at the pipeline:</style> 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

<style isBold="true">Existing Vegetation Community at other disturbances:</style> 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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 408867
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
tsebastian	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/5/2024
tsebastian	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/5/2024
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	12/23/2024
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	12/23/2024
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.	12/23/2024
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.	12/23/2024