AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 10/07/2024 03:38 PM

APD ID:	10400097743	Well Status:	AAPD
APD Received Date:	04/16/2024 07:16 AM	Well Name:	POKER LAKE UNIT 22 DTD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	197H

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): 3 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 1 file(s)
  -- Other Facets: 7 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

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.: NMNM02862

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 22 DTD 197H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-55526

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

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

10. Field and Pool, or Exploratory: Wildcat G-06 S243026M/BONE SPRING

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

At surface: NWNE / 414 FNL / 2286 FEL / LAT 32.209423 / LONG -103.867671

At proposed prod. zone: SWNE / 2627 FNL / 2215 FEL / LAT 32.174362 / LONG -103.867371

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 22/T24S/R30E/NMP

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

12. County or Parish: EDDY

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 414 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 800.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 0 feet

19. Proposed Depth: 9849 feet / 22620 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3411 feet

22. Approximate date work will start*: 03/16/2025

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	Name *(Printed/Typed)*	Date
(Electronic Submission)	RICHARD REDUS / Ph: (432) 682-8873	04/16/2024

Title: Permitting Manager

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	CODY LAYTON / Ph: (575) 234-5959	10/04/2024

Title	Office
Assistant Field Manager Lands & Minerals	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: 10/04/2024

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.

(Continued on page 3)

Additional Operator Remarks

Location of Well

0. SHL: NWNE / 414 FNL / 2286 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209423 / LONG: -103.867671 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 100 FNL / 2216 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.210287 / LONG: -103.867444 (TVD: 9849 feet, MD: 10300 feet)

PPP: NWSE / 2636 FSL / 2209 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.203314 / LONG: -103.86743 (TVD: 9849 feet, MD: 13000 feet)

BHL: SWNE / 2627 FNL / 2215 FEL / TWSP: 24S / RANGE: 30E / SECTION: 34 / LAT: 32.174362 / LONG: -103.867371 (TVD: 9849 feet, MD: 22620 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.

Santa Fe Main Office
Phone: (505) 476-3441 Fax: (55) 476-3462
General Information
Phone: (505) 629-6116

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

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

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

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015- 55526	97798	WILDCAT G-06 S243026M; BONE SPRING

Property Code	Property Name	Well Number
333192	POKER LAKE UNIT 22 DTD	197H

OGRID No.	Operator Name	Ground Level Elevation
373035	XTO PERMIAN OPERATING, LLC	3,411'

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

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	22	24S	30E		414' FNL	2,286' FEL	32.209423	-103.867671	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	34	24S	30E		2,627' FNL	2,215 FEL	32.174362	-103.867371	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
800.00	Infill	3001549886	No	U

Order Numbers. N/A
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	22	24S	30E		414' FNL	2,286' FEL	32.209423	-103.867671	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	22	24S	30E		100' FNL	2,216' FEL	32.210287	-103.867444	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	24S	30E		2,537' FNL	2,215' FEL	32.174609	-103.867373	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM105422429	☒ Horizontal ☐ Vertical	3,411'

OPERATOR CERTIFICATIONS

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

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

Samantha Weis — Signature
10/08/2024 — Date

Samantha Weis — Printed Name

samantha.r.bartnik@exxonmobil.com — Email Address

SURVEYOR CERTIFICATIONS

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

Signature and Seal of Professional Surveyor

Certificate Number: Mark Dillon Harp 23786

Date of Survey: 7/11/2024

Signature and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

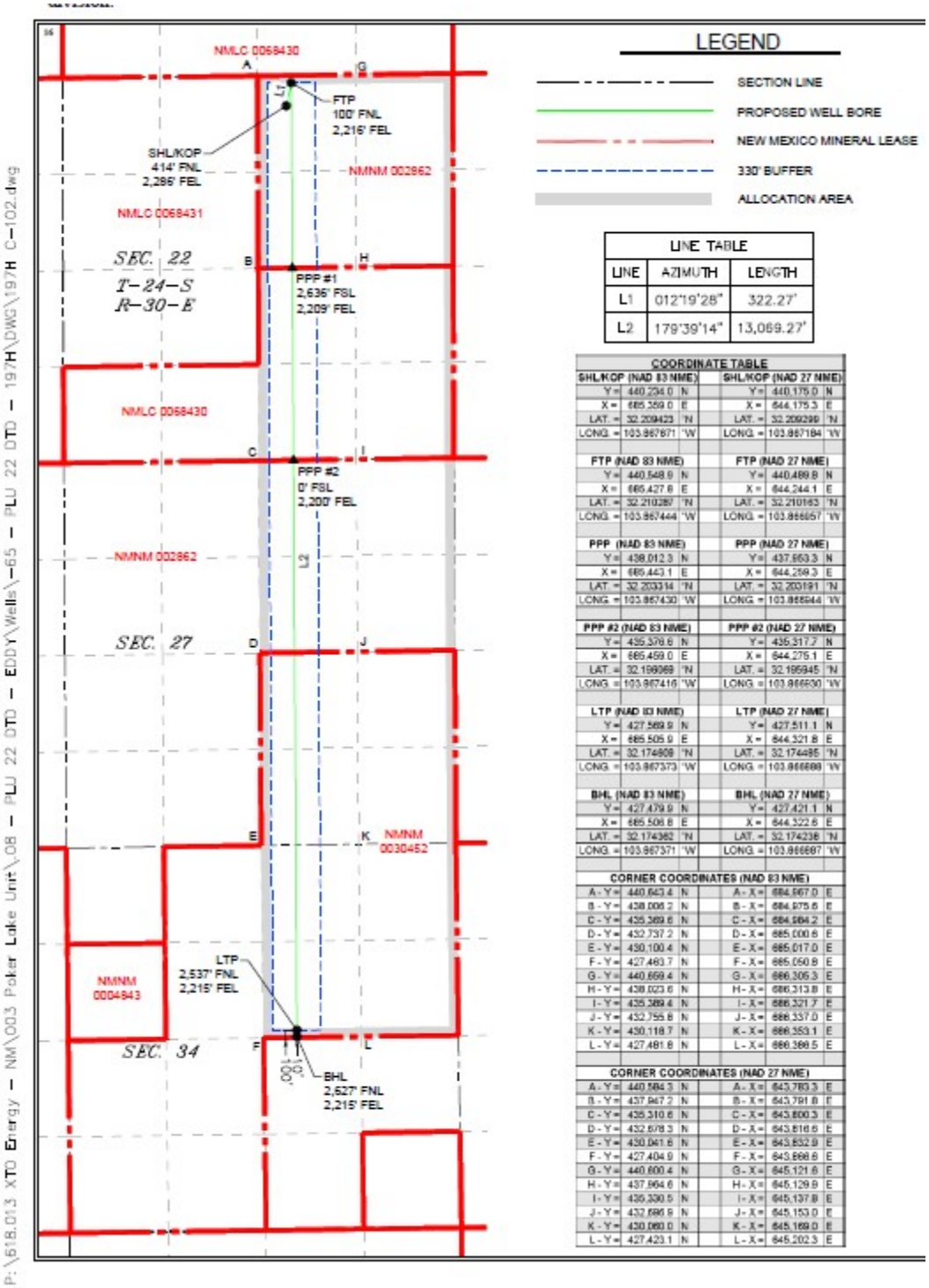
DB 618.013003.08-65

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

ACREAGE DEDICATION PLATS

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

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



LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	012°19'28"	322.27'
L2	179°39'14"	13,069.27'

COORDINATE TABLE			
SHL/KOP (NAD 83 NME)		SHL/KOP (NAD 27 NME)	
Y= 440,234.0	N	Y= 440,175.0	N
X= 685,359.0	E	X= 644,175.3	E
LAT. = 32.209423	°N	LAT. = 32.209299	°N
LONG. = 103.867671	°W	LONG. = 103.867184	°W
FTP (NAD 83 NME)		FTP (NAD 27 NME)	
Y= 440,548.9	N	Y= 440,489.8	N
X= 685,427.8	E	X= 644,244.1	E
LAT. = 32.210287	°N	LAT. = 32.210163	°N
LONG. = 103.867444	°W	LONG. = 103.866957	°W
PPP (NAD 83 NME)		PPP (NAD 27 NME)	
Y= 438,012.3	N	Y= 437,953.3	N
X= 685,443.1	E	X= 644,258.3	E
LAT. = 32.203314	°N	LAT. = 32.203191	°N
LONG. = 103.867430	°W	LONG. = 103.866944	°W
PPP #2 (NAD 83 NME)		PPP #2 (NAD 27 NME)	
Y= 435,378.6	N	Y= 435,317.7	N
X= 685,459.0	E	X= 644,275.1	E
LAT. = 32.196069	°N	LAT. = 32.195945	°N
LONG. = 103.867416	°W	LONG. = 103.866930	°W
LTP (NAD 83 NME)		LTP (NAD 27 NME)	
Y= 427,589.9	N	Y= 427,511.1	N
X= 685,505.9	E	X= 644,321.8	E
LAT. = 32.174809	°N	LAT. = 32.174685	°N
LONG. = 103.867373	°W	LONG. = 103.866888	°W
BHL (NAD 83 NME)		BHL (NAD 27 NME)	
Y= 427,479.9	N	Y= 427,421.1	N
X= 685,506.8	E	X= 644,322.6	E
LAT. = 32.174362	°N	LAT. = 32.174238	°N
LONG. = 103.867371	°W	LONG. = 103.866887	°W
CORNER COORDINATES (NAD 83 NME)			
A - Y= 440,643.4	N	A - X= 684,967.0	E
B - Y= 438,006.2	N	B - X= 684,975.6	E
C - Y= 435,369.6	N	C - X= 684,984.2	E
D - Y= 432,737.2	N	D - X= 685,000.8	E
E - Y= 430,100.4	N	E - X= 685,017.0	E
F - Y= 427,463.7	N	F - X= 685,050.8	E
G - Y= 440,669.4	N	G - X= 686,305.3	E
H - Y= 438,023.6	N	H - X= 686,313.8	E
I - Y= 435,389.4	N	I - X= 686,321.7	E
J - Y= 432,755.8	N	J - X= 686,337.0	E
K - Y= 430,118.7	N	K - X= 686,353.1	E
L - Y= 427,481.8	N	L - X= 686,386.5	E
CORNER COORDINATES (NAD 27 NME)			
A - Y= 440,584.3	N	A - X= 643,783.3	E
B - Y= 437,947.2	N	B - X= 643,791.8	E
C - Y= 435,310.6	N	C - X= 643,800.3	E
D - Y= 432,678.3	N	D - X= 643,816.6	E
E - Y= 430,041.6	N	E - X= 643,832.9	E
F - Y= 427,404.9	N	F - X= 643,866.8	E
G - Y= 440,610.4	N	G - X= 645,121.6	E
H - Y= 437,964.6	N	H - X= 645,129.8	E
I - Y= 435,330.5	N	I - X= 645,137.8	E
J - Y= 432,696.9	N	J - X= 645,153.0	E
K - Y= 430,060.0	N	K - X= 645,169.0	E
L - Y= 427,423.1	N	L - X= 645,202.3	E

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:** 09 / 16 / 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 22 DTD 103H	TBD	22 T24S R30E	916 FNL, 113 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 106H	TBD	22 T24S R30E	916 FNL, 203 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 907H	TBD	22 T24S R30E	916 FNL, 233 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 145H	TBD	22 T24S R30E	916 FNL, 173 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 153H	TBD	22 T24S R30E	414 FNL,1946 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 194H	TBD	22 T24S R30E	916 FNL, 143 FWL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 197H	TBD	22 T24S R30E	414 FNL, 2286 FEL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 201H	TBD	22 T24S R30E	13 FNL, 1534 FWL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 202H	TBD	22 T24S R30E	13 FNL, 1564 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 203H	TBD	22 T24S R30E	13 FNL, 1594 FWL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 204H	TBD	22 T24S R30E	13 FNL, 1654 FWL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 205H	TBD	22 T24S R30E	13 FNL, 1684 FWL	1,900	200	3,250	900	3,750	450

Poker Lake Unit 22 DTD 401H	TBD	22 T24S R30E	233 FNL, 1387 FEL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 402H	TBD	22 T24S R30E	233 FNL, 1357 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 403H	TBD	22 T24S R30E	233 FNL, 1327 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 404H	TBD	22 T24S R30E	233 FNL, 1297 FEL	1,900	200	3,250	900	3,750	450
Poker Lake Unit 22 DTD 405H	TBD	22 T24S R30E	233 FNL, 1267 FEL	1,800	200	7,500	1,200	7,000	800
Poker Lake Unit 22 DTD 406H	TBD	22 T24S R30E	233 FNL, 1237 FEL	1,800	200	7,500	1,200	7,000	800

IV. Central Delivery Point Name: PLU 22 DTD CTB [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Poker Lake Unit 22 DTD 103H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 106H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 907H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 145H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 153H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 194H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 197H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 201H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 202H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 203H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 204H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 205H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 401H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 402H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 403H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**

Poker Lake Unit 22 DTD 404H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 405H	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**
Poker Lake Unit 22 DTD 406H	**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

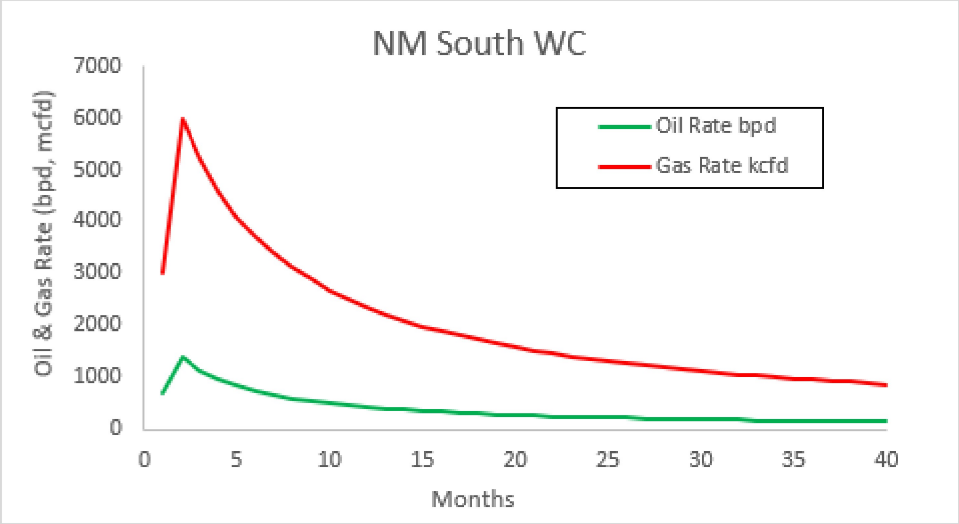
(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural 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:	10/03/2024
Phone:	+1-832-625-7361

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


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

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

Drilling Plan Data Report
10/07/2024

APD ID: 10400097743
Submission Date: 04/16/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 22 DTD
Well Number: 197H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
14264954	QUATERNARY	3411	0	0	ALLUVIUM	USEABLE WATER	N
14264953	RUSTLER	2283	1128	1128	ANHYDRITE, SANDSTONE	USEABLE WATER	N
14264955	SALADO	1880	1531	1531	SALT	NONE	N
14264951	BASE OF SALT	-313	3724	3724	SALT	NONE	N
14264952	DELAWARE	-507	3918	3918	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	N
14264950	BONE SPRING	-4377	7788	7788	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
14264948	BONE SPRING 1ST	-5086	8497	8497	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
14264949	BONE SPRING 2ND	-5671	9082	9082	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y
14264947	BONE SPRING C ZONE	-6433	9844	9844	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : PRODUCED WATER	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9849

Equipment: Once the permanent WH is installed on the Surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril and a 5M Double Ram 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 per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells. A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from

Verified to comply with API 53 in compliance with API Standard 53. API standard 53 states, that

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. We will request permission to ONLY retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

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

Choke Diagram Attachment:

5MCM_20240806081654.pdf

BOP Diagram Attachment:

5MBOP_20240806081714.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	12.25	9.625	NEW	API	N	0	1228	0	1228	3411	2183	1228	J-55	40	BUTT	5.13	1.86	DRY	12.83	DRY	12.83
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	8942	0	8933	3411	-5522	8942	L-80	29.7	FJ	2.67	2.14	DRY	2.77	DRY	2.77
3	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	22620	0	9849	3411	-6438	22620	P-110	20	OTHER - Freedom HTQ/Talon HTQ	2.06	1.05	DRY	2.2	DRY	2.2

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_22_DTD_197H_Csg_20240328131859.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

POKER_LAKE_UNIT_22_DTD_197H_Csg_20240328132417.pdf

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_22_DTD_197H_Csg_20240328132426.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20240806081907.pdf
Talon___semiflush_5.5_production_casing_20240806081907.pdf

Tapered String Spec:

POKER_LAKE_UNIT_22_DTD_197H_Csg_20240328132645.pdf

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_22_DTD_197H_Csg_20240328132654.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	1228	310	1.87	10.5	579.7	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1228	130	1.35	14.8	175.5	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	6464	230	1.35	14.8	310.5	100	Class C	NA
INTERMEDIATE	Tail		6464	8942	730	1.33	14.8	970.9	100	Class C	NA

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		8642	9142	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		9142	22620	960	1.51	13.2	1449.6	30	VersaCem	NA

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
8942	22620	OIL-BASED MUD	10.5	11							
0	1228	WATER-BASED MUD	8.4	8.9							
1228	3918	SALT SATURATED	10.5	11							
3918	8942	OTHER : BDE/OBM	9	9.5							

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

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: 5378 **Anticipated Surface Pressure:** 3211

Anticipated Bottom Hole Temperature(F): 185

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_20240806081112.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

POKER_LAKE_UNIT_22_DTD_197H_DD_20240328134711.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

POKER_LAKE_UNIT_22_DTD_197H_Cmt_20240328134724.pdf
PLU_22_DTD_MBS_20240610111209.pdf
PLU_22_DTD_H2S_DiaC_20240806082235.pdf
PLU_22_DTD_H2S_DiaB_20240806082235.pdf
PLU_22_DTD_H2S_DiaA_20240806082235.pdf
PLU_22_DTD_H2S_DiaD_20240806082235.pdf
POKER_LAKE_UNIT_22_DTD_197H_RL_20240806082250.pdf

Other Variance attachment:

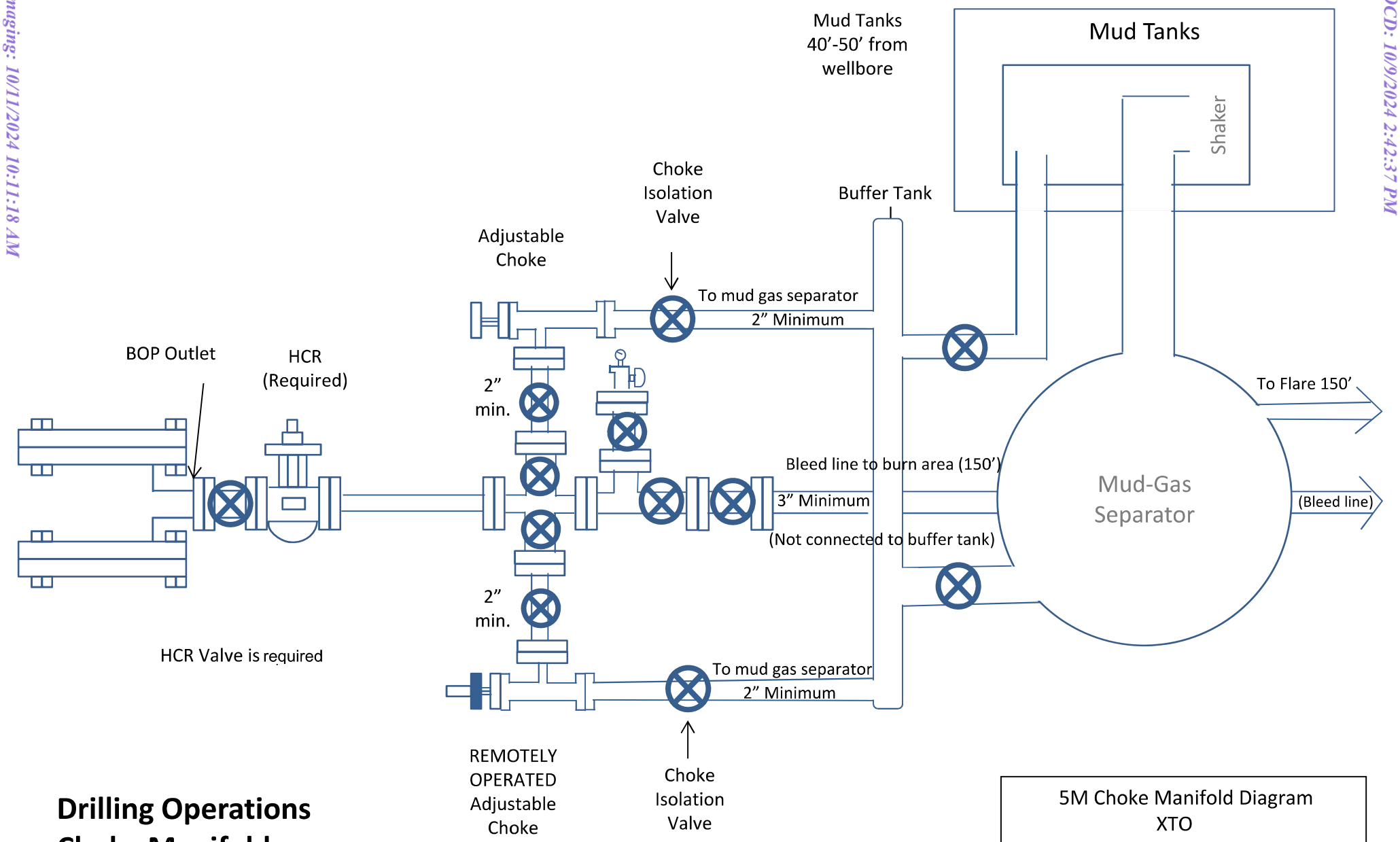
Spudder_Rig_Request_20240806082306.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240806082306.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

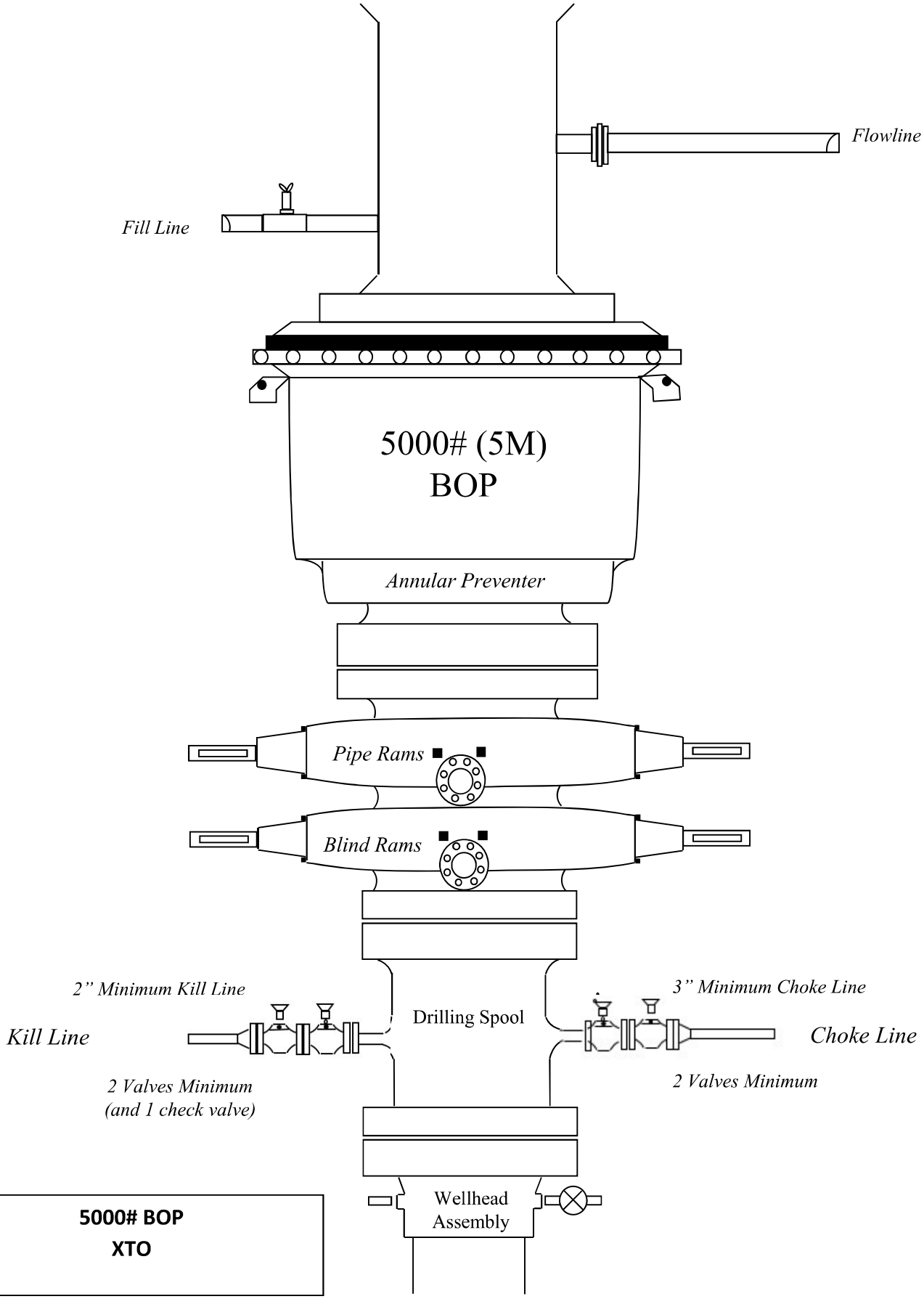
Updated_Flex_Hose_20240806082306.pdf

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



Drilling Operations
Choke Manifold
5M Service

5M Choke Manifold Diagram
XTO


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

5000# BOP
XTO

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1228'	9.625	40	J-55	BTC	New	1.86	5.13	12.83
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.95	2.92	2.10
8.75	4000' – 8942'	7.625	29.7	HC L-80	Flush Joint	New	2.14	2.67	2.77
6.75	0' – 8842'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.30	2.20
6.75	8842' - 22620'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.06	2.20

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 (6464') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

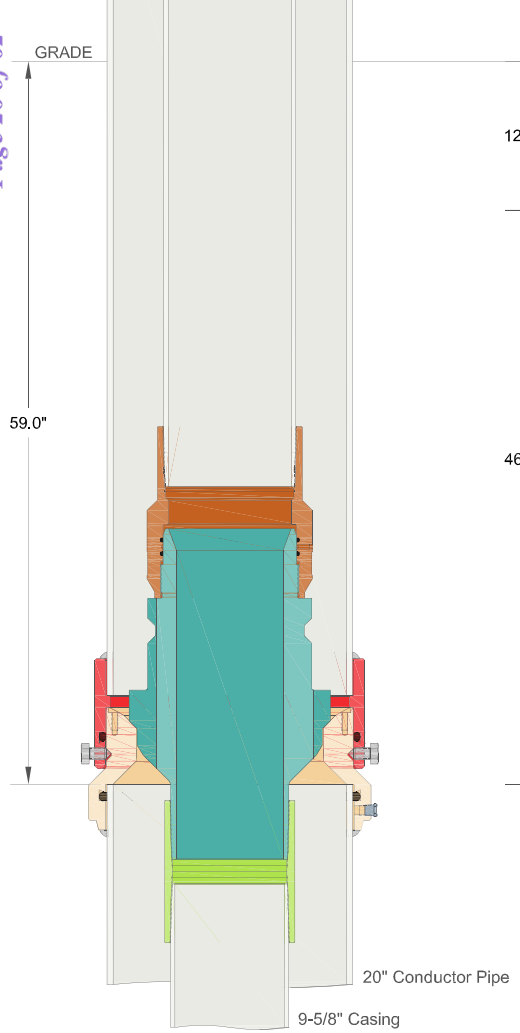
XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

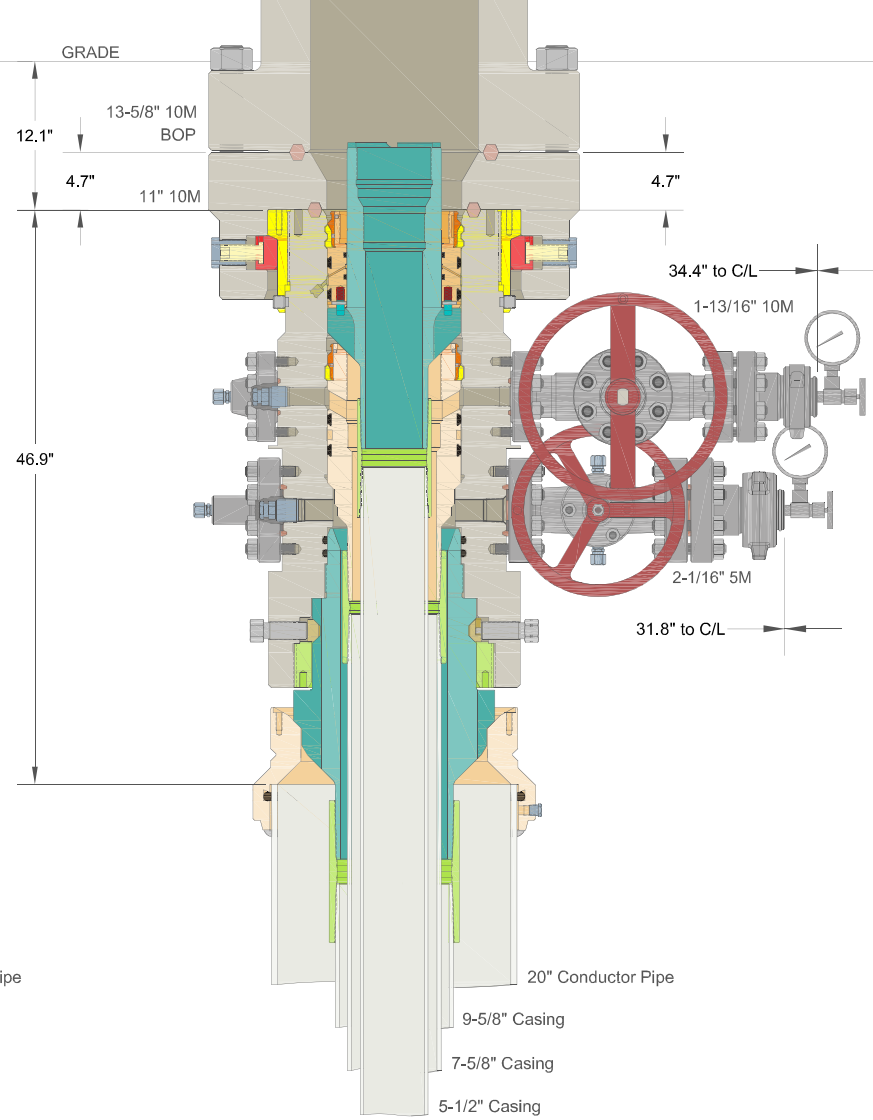
XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

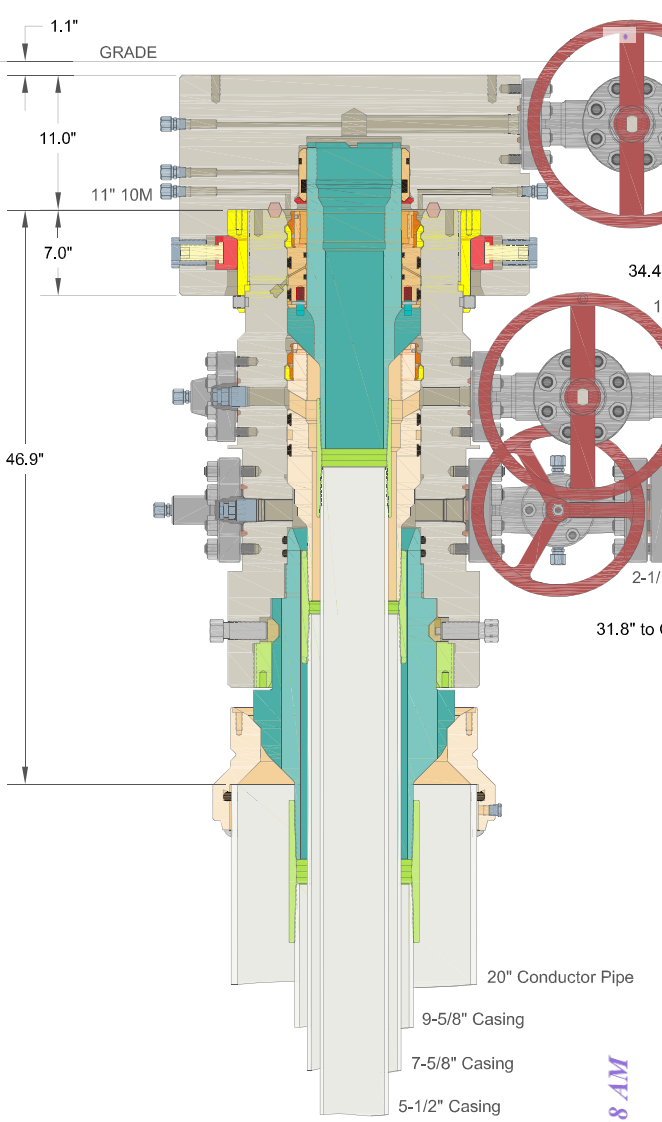
XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the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

Production Casing:

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.







CACTUS W

20" x 9-5/8" x 7-5/8" x 5 1/2
With 11" 10M x 7-1/16" 15
And 9-5/8", 7-5/8" & 5-1/2" Pi

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.

XTO Permian Operating, LLC Offline Cementing Variance Request

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

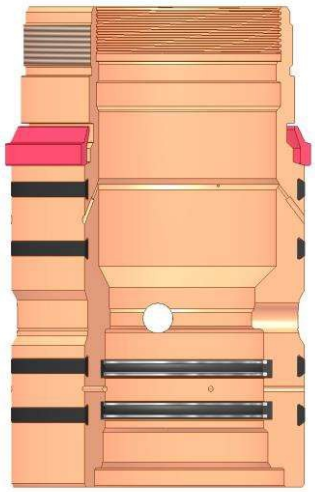
1. Cement Program

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

2. Offline Cementing Procedure

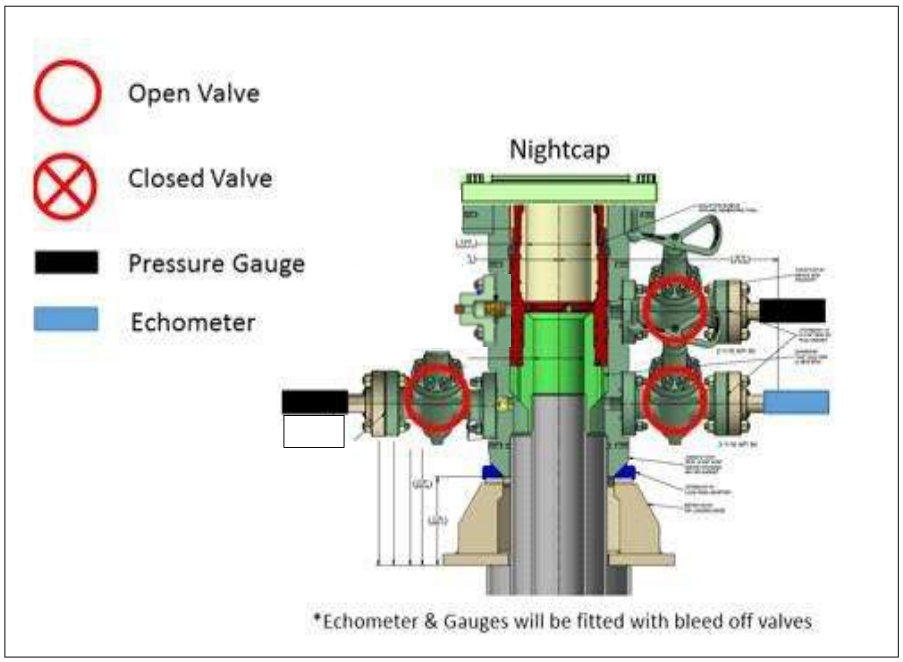
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

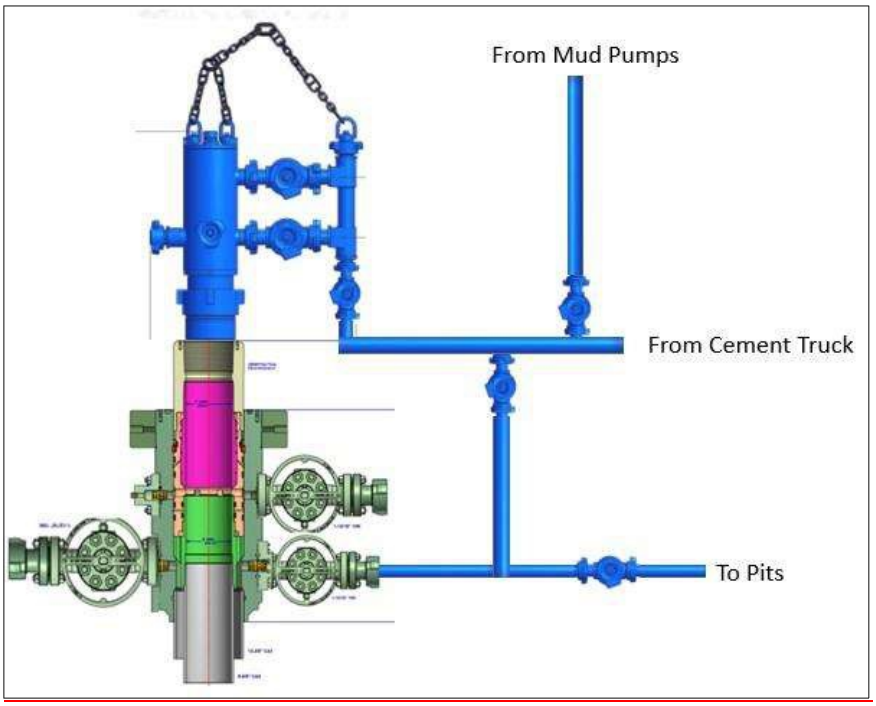
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

Gates **BLACK GOLD®**

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

NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSMOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15716

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TEST REPORT

CUSTOMER

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

TEST OBJECT

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

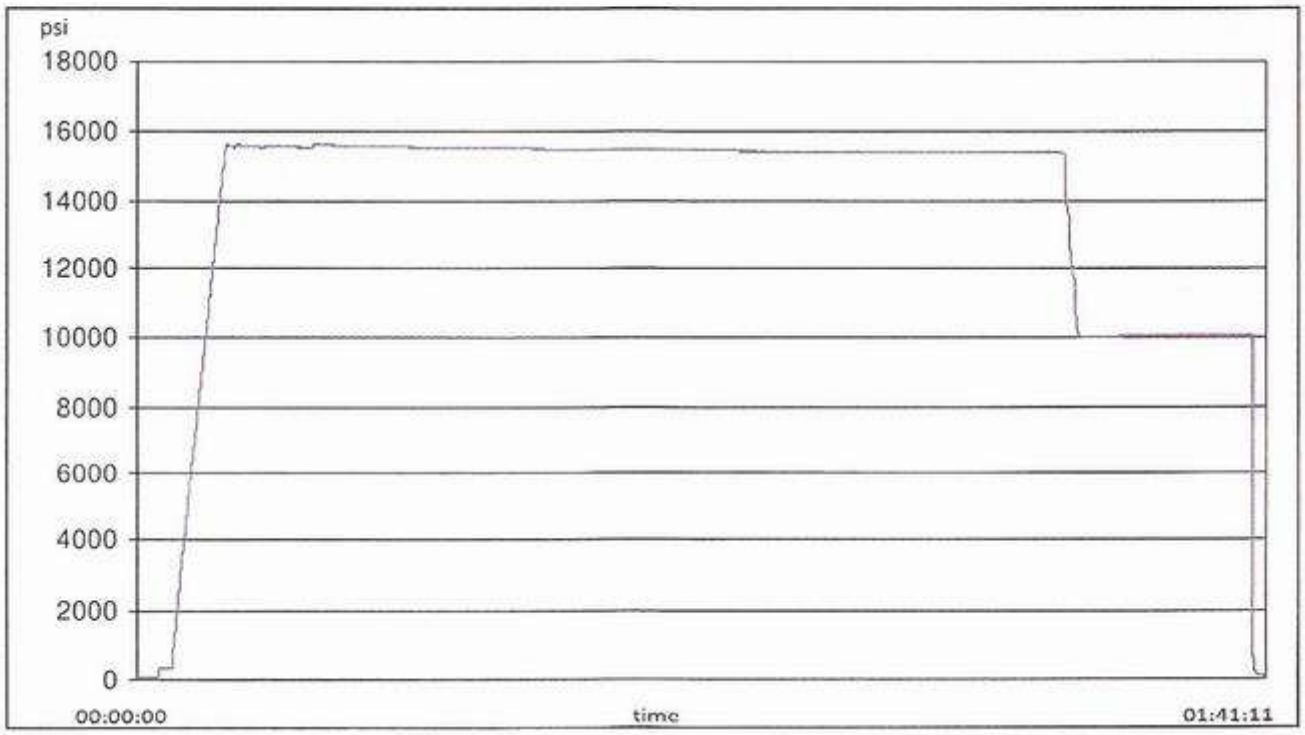
TEST INFORMATION

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

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

Visual check:		
Pressure test result:	PASS	
Length measurement result:		
Length:	45	feet

Test operator: Travis



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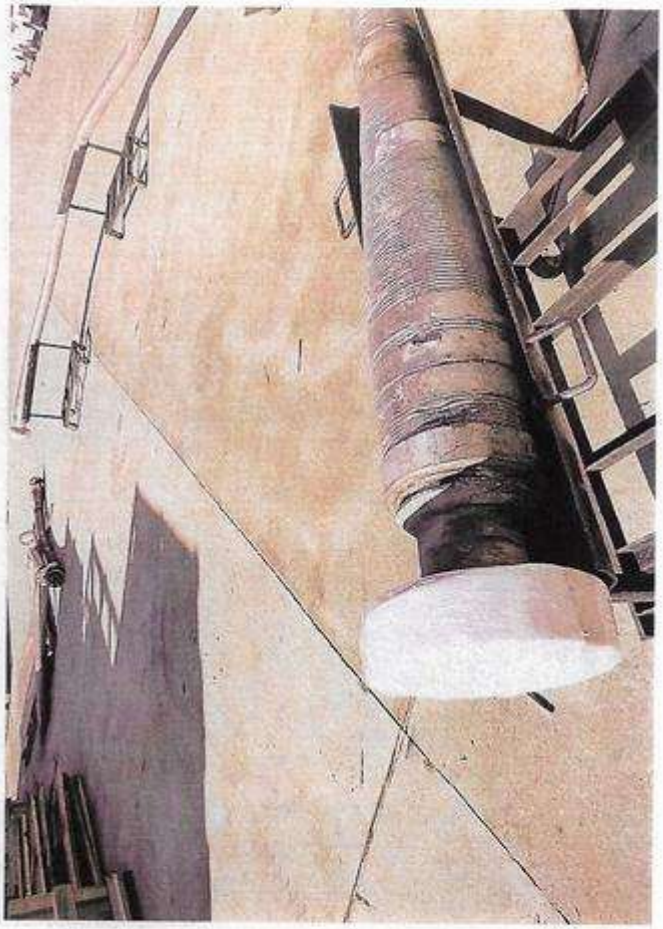
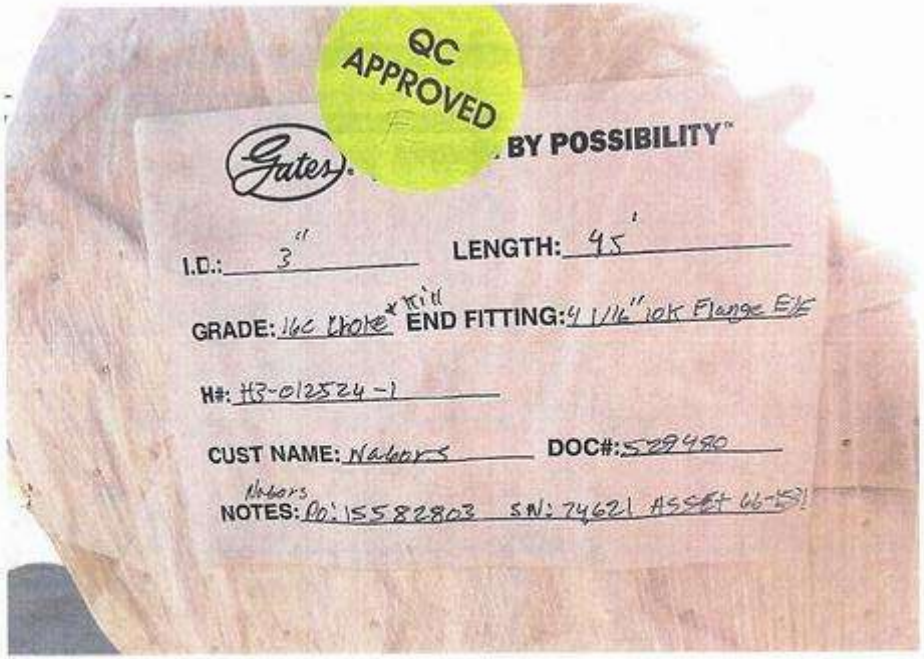
TEST REPORT

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





Well Plan Report - Poker Lake Unit 22 DTD South 197H

Measured Depth:	22619.99 ft
TVD RKB:	9849.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440175.00 ft
Easting:	644175.30 ft
RKB:	3443.00 ft
Ground Level:	3411.00 ft
North Reference:	Grid
Convergence Angle:	0.25 Deg

Plan Sections Poker Lake Unit 22 DTD South 197H

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	
1269.80	3.40	12.33	1269.70	4.91	1.07	2.00	0.00	2.00	
6539.65	3.40	12.33	6530.30	309.89	67.73	0.00	0.00	0.00	
6709.45	0.00	0.00	6700.00	314.80	68.80	-2.00	0.00	2.00	
9142.25	0.00	0.00	9132.80	314.80	68.80	0.00	0.00	0.00	
10267.25	90.00	179.66	9849.00	-401.38	73.09	8.00	0.00	8.00	
22529.99	90.00	179.66	9849.00	-12663.90	146.50	0.00	0.00	0.00	LTP 17
22619.99	90.00	179.66	9849.00	-12753.90	147.04	0.00	0.00	0.00	BHL 17

Position Uncertainty Poker Lake Unit 22 DTD South 197H

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

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	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	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	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	2.444	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	2.532	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	2.582	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	12.328	1199.980	5.126	0.000	4.413	0.000	2.692	0.000	0.000	5.297	4.209	126.668	MWD+IFR1+MS
1269.800	3.396	12.328	1269.701	5.508	0.000	4.660	0.000	2.733	0.000	0.000	5.677	4.462	124.832	MWD+IFR1+MS
1300.000	3.396	12.328	1299.848	5.604	0.000	4.762	0.000	2.750	0.000	0.000	5.771	4.569	124.701	MWD+IFR1+MS
1400.000	3.396	12.328	1399.672	5.918	0.000	5.114	0.000	2.813	0.000	0.000	6.081	4.928	124.895	MWD+IFR1+MS
1500.000	3.396	12.328	1499.496	6.253	0.000	5.486	0.000	2.878	0.000	0.000	6.424	5.293	125.708	MWD+IFR1+MS
1600.000	3.396	12.328	1599.321	6.591	0.000	5.857	0.000	2.947	0.000	0.000	6.770	5.656	126.449	MWD+IFR1+MS
1700.000	3.396	12.328	1699.145	6.931	0.000	6.226	0.000	3.017	0.000	0.000	7.117	6.018	127.126	MWD+IFR1+MS
1800.000	3.396	12.328	1798.970	7.273	0.000	6.594	0.000	3.090	0.000	0.000	7.465	6.380	127.746	MWD+IFR1+MS
1900.000	3.396	12.328	1898.794	7.617	0.000	6.961	0.000	3.165	0.000	0.000	7.815	6.742	128.315	MWD+IFR1+MS
2000.000	3.396	12.328	1998.618	7.962	0.000	7.327	0.000	3.241	0.000	0.000	8.166	7.102	128.837	MWD+IFR1+MS
2100.000	3.396	12.328	2098.443	8.309	0.000	7.692	0.000	3.319	0.000	0.000	8.518	7.463	129.317	MWD+IFR1+MS
2200.000	3.396	12.328	2198.267	8.657	0.000	8.057	0.000	3.399	0.000	0.000	8.870	7.823	129.760	MWD+IFR1+MS
2300.000	3.396	12.328	2298.092	9.005	0.000	8.421	0.000	3.481	0.000	0.000	9.224	8.183	130.169	MWD+IFR1+MS
2400.000	3.396	12.328	2397.916	9.355	0.000	8.785	0.000	3.564	0.000	0.000	9.578	8.543	130.548	MWD+IFR1+MS
2500.000	3.396	12.328	2497.740	9.706	0.000	9.148	0.000	3.648	0.000	0.000	9.932	8.903	130.898	MWD+IFR1+MS
2600.000	3.396	12.328	2597.565	10.057	0.000	9.511	0.000	3.734	0.000	0.000	10.287	9.262	131.222	MWD+IFR1+MS
2700.000	3.396	12.328	2697.389	10.409	0.000	9.874	0.000	3.822	0.000	0.000	10.642	9.622	131.524	MWD+IFR1+MS
2800.000	3.396	12.328	2797.214	10.762	0.000	10.237	0.000	3.910	0.000	0.000	10.997	9.981	131.804	MWD+IFR1+MS
2900.000	3.396	12.328	2897.038	11.115	0.000	10.599	0.000	4.000	0.000	0.000	11.353	10.341	132.065	MWD+IFR1+MS

3000.000	3.396	12.328	2996.862	11.469	0.000	10.961	0.000	4.092	0.000	0.000	11.710	10.700	132.308	MWD+IFR1+MS
3100.000	3.396	12.328	3096.687	11.823	0.000	11.323	0.000	4.184	0.000	0.000	12.066	11.059	132.535	MWD+IFR1+MS
3200.000	3.396	12.328	3196.511	12.177	0.000	11.684	0.000	4.278	0.000	0.000	12.423	11.419	132.746	MWD+IFR1+MS
3300.000	3.396	12.328	3296.335	12.532	0.000	12.046	0.000	4.373	0.000	0.000	12.779	11.778	132.944	MWD+IFR1+MS
3400.000	3.396	12.328	3396.160	12.887	0.000	12.407	0.000	4.470	0.000	0.000	13.136	12.137	133.128	MWD+IFR1+MS
3500.000	3.396	12.328	3495.984	13.243	0.000	12.768	0.000	4.568	0.000	0.000	13.494	12.496	133.301	MWD+IFR1+MS
3600.000	3.396	12.328	3595.809	13.598	0.000	13.129	0.000	4.667	0.000	0.000	13.851	12.855	133.463	MWD+IFR1+MS
3700.000	3.396	12.328	3695.633	13.954	0.000	13.490	0.000	4.768	0.000	0.000	14.208	13.215	133.614	MWD+IFR1+MS
3800.000	3.396	12.328	3795.457	14.311	0.000	13.851	0.000	4.870	0.000	0.000	14.566	13.574	133.755	MWD+IFR1+MS
3900.000	3.396	12.328	3895.282	14.667	0.000	14.211	0.000	4.973	0.000	0.000	14.924	13.933	133.888	MWD+IFR1+MS
4000.000	3.396	12.328	3995.106	15.024	0.000	14.572	0.000	5.078	0.000	0.000	15.282	14.292	134.013	MWD+IFR1+MS
4100.000	3.396	12.328	4094.931	15.381	0.000	14.932	0.000	5.185	0.000	0.000	15.640	14.651	134.129	MWD+IFR1+MS
4200.000	3.396	12.328	4194.755	15.738	0.000	15.293	0.000	5.293	0.000	0.000	15.998	15.010	134.239	MWD+IFR1+MS
4300.000	3.396	12.328	4294.579	16.095	0.000	15.653	0.000	5.403	0.000	0.000	16.356	15.369	134.341	MWD+IFR1+MS
4400.000	3.396	12.328	4394.404	16.453	0.000	16.013	0.000	5.514	0.000	0.000	16.714	15.729	134.437	MWD+IFR1+MS
4500.000	3.396	12.328	4494.228	16.810	0.000	16.373	0.000	5.626	0.000	0.000	17.072	16.088	134.527	MWD+IFR1+MS
4600.000	3.396	12.328	4594.053	17.168	0.000	16.733	0.000	5.741	0.000	0.000	17.430	16.447	134.611	MWD+IFR1+MS
4700.000	3.396	12.328	4693.877	17.526	0.000	17.093	0.000	5.857	0.000	0.000	17.789	16.806	134.690	MWD+IFR1+MS
4800.000	3.396	12.328	4793.701	17.884	0.000	17.453	0.000	5.975	0.000	0.000	18.147	17.165	134.764	MWD+IFR1+MS
4900.000	3.396	12.328	4893.526	18.242	0.000	17.813	0.000	6.095	0.000	0.000	18.506	17.524	134.833	MWD+IFR1+MS
5000.000	3.396	12.328	4993.350	18.600	0.000	18.173	0.000	6.216	0.000	0.000	18.864	17.883	134.898	MWD+IFR1+MS
5100.000	3.396	12.328	5093.175	18.958	0.000	18.533	0.000	6.339	0.000	0.000	19.223	18.243	134.958	MWD+IFR1+MS
5200.000	3.396	12.328	5192.999	19.317	0.000	18.893	0.000	6.464	0.000	0.000	19.582	18.602	-44.985	MWD+IFR1+MS
5300.000	3.396	12.328	5292.823	19.675	0.000	19.252	0.000	6.592	0.000	0.000	19.940	18.961	-44.933	MWD+IFR1+MS
5400.000	3.396	12.328	5392.648	20.034	0.000	19.612	0.000	6.721	0.000	0.000	20.299	19.320	-44.884	MWD+IFR1+MS
5500.000	3.396	12.328	5492.472	20.393	0.000	19.972	0.000	6.852	0.000	0.000	20.658	19.679	-44.838	MWD+IFR1+MS
5600.000	3.396	12.328	5592.297	20.751	0.000	20.332	0.000	6.985	0.000	0.000	21.017	20.038	-44.796	MWD+IFR1+MS
5700.000	3.396	12.328	5692.121	21.110	0.000	20.691	0.000	7.120	0.000	0.000	21.376	20.398	-44.757	MWD+IFR1+MS
5800.000	3.396	12.328	5791.945	21.469	0.000	21.051	0.000	7.257	0.000	0.000	21.735	20.757	-44.721	MWD+IFR1+MS
5900.000	3.396	12.328	5891.770	21.828	0.000	21.410	0.000	7.396	0.000	0.000	22.093	21.116	-44.688	MWD+IFR1+MS
6000.000	3.396	12.328	5991.594	22.187	0.000	21.770	0.000	7.538	0.000	0.000	22.452	21.475	-44.658	MWD+IFR1+MS
6100.000	3.396	12.328	6091.419	22.546	0.000	22.129	0.000	7.682	0.000	0.000	22.811	21.834	-44.630	MWD+IFR1+MS
6200.000	3.396	12.328	6191.243	22.905	0.000	22.489	0.000	7.828	0.000	0.000	23.170	22.193	-44.604	MWD+IFR1+MS

6300.000	3.396	12.328	6291.067	23.264	0.000	22.848	0.000	7.976	0.000	0.000	23.529	22.553	-44.581	MWD+IFR1+MS
6400.000	3.396	12.328	6390.892	23.624	0.000	23.208	0.000	8.126	0.000	0.000	23.889	22.912	-44.560	MWD+IFR1+MS
6500.000	3.396	12.328	6490.716	23.983	0.000	23.567	0.000	8.279	0.000	0.000	24.248	23.271	-44.542	MWD+IFR1+MS
6539.653	3.396	12.328	6530.299	24.123	0.000	23.707	0.000	8.340	0.000	0.000	24.385	23.413	-44.592	MWD+IFR1+MS
6600.000	2.189	12.328	6590.574	24.340	0.000	23.920	0.000	8.434	0.000	0.000	24.599	23.630	-44.758	MWD+IFR1+MS
6709.453	0.000	0.000	6700.000	24.591	0.000	24.514	0.000	8.605	0.000	0.000	25.056	24.039	132.847	MWD+IFR1+MS
6800.000	0.000	0.000	6790.547	24.946	0.000	24.834	0.000	8.748	0.000	0.000	25.403	24.367	131.896	MWD+IFR1+MS
6900.000	0.000	0.000	6890.547	25.302	0.000	25.188	0.000	8.908	0.000	0.000	25.758	24.722	131.837	MWD+IFR1+MS
7000.000	0.000	0.000	6990.547	25.658	0.000	25.542	0.000	9.070	0.000	0.000	26.113	25.077	131.784	MWD+IFR1+MS
7100.000	0.000	0.000	7090.547	26.015	0.000	25.897	0.000	9.235	0.000	0.000	26.469	25.433	131.732	MWD+IFR1+MS
7200.000	0.000	0.000	7190.547	26.371	0.000	26.252	0.000	9.403	0.000	0.000	26.824	25.789	131.681	MWD+IFR1+MS
7300.000	0.000	0.000	7290.547	26.728	0.000	26.606	0.000	9.573	0.000	0.000	27.180	26.144	131.632	MWD+IFR1+MS
7400.000	0.000	0.000	7390.547	27.084	0.000	26.961	0.000	9.746	0.000	0.000	27.536	26.500	131.584	MWD+IFR1+MS
7500.000	0.000	0.000	7490.547	27.441	0.000	27.316	0.000	9.921	0.000	0.000	27.892	26.856	131.537	MWD+IFR1+MS
7600.000	0.000	0.000	7590.547	27.798	0.000	27.671	0.000	10.099	0.000	0.000	28.247	27.212	131.492	MWD+IFR1+MS
7700.000	0.000	0.000	7690.547	28.154	0.000	28.026	0.000	10.280	0.000	0.000	28.603	27.568	131.448	MWD+IFR1+MS
7800.000	0.000	0.000	7790.547	28.511	0.000	28.382	0.000	10.463	0.000	0.000	28.960	27.924	131.404	MWD+IFR1+MS
7900.000	0.000	0.000	7890.547	28.868	0.000	28.737	0.000	10.649	0.000	0.000	29.316	28.280	131.362	MWD+IFR1+MS
8000.000	0.000	0.000	7990.547	29.225	0.000	29.092	0.000	10.838	0.000	0.000	29.672	28.636	131.321	MWD+IFR1+MS
8100.000	0.000	0.000	8090.547	29.582	0.000	29.448	0.000	11.030	0.000	0.000	30.028	28.992	131.281	MWD+IFR1+MS
8200.000	0.000	0.000	8190.547	29.939	0.000	29.803	0.000	11.224	0.000	0.000	30.384	29.349	131.242	MWD+IFR1+MS
8300.000	0.000	0.000	8290.547	30.296	0.000	30.159	0.000	11.421	0.000	0.000	30.741	29.705	131.204	MWD+IFR1+MS
8400.000	0.000	0.000	8390.547	30.653	0.000	30.514	0.000	11.621	0.000	0.000	31.097	30.061	131.166	MWD+IFR1+MS
8500.000	0.000	0.000	8490.547	31.010	0.000	30.870	0.000	11.824	0.000	0.000	31.453	30.418	131.130	MWD+IFR1+MS
8600.000	0.000	0.000	8590.547	31.367	0.000	31.226	0.000	12.029	0.000	0.000	31.810	30.774	131.094	MWD+IFR1+MS
8700.000	0.000	0.000	8690.547	31.724	0.000	31.582	0.000	12.238	0.000	0.000	32.166	31.131	131.059	MWD+IFR1+MS
8800.000	0.000	0.000	8790.547	32.081	0.000	31.938	0.000	12.449	0.000	0.000	32.523	31.487	131.025	MWD+IFR1+MS
8900.000	0.000	0.000	8890.547	32.438	0.000	32.294	0.000	12.663	0.000	0.000	32.880	31.844	130.992	MWD+IFR1+MS
9000.000	0.000	0.000	8990.547	32.795	0.000	32.650	0.000	12.880	0.000	0.000	33.236	32.201	130.959	MWD+IFR1+MS
9100.000	0.000	0.000	9090.547	33.152	0.000	33.006	0.000	13.100	0.000	0.000	33.593	32.557	130.927	MWD+IFR1+MS
9142.253	0.000	0.000	9132.800	33.302	0.000	33.154	0.000	13.194	0.000	0.000	33.740	32.708	130.900	MWD+IFR1+MS
9200.000	4.620	179.657	9190.485	33.348	0.000	33.352	-0.000	13.322	0.000	0.000	33.947	32.916	129.982	MWD+IFR1+MS
9300.000	12.620	179.657	9289.275	33.731	0.000	33.659	-0.000	13.591	0.000	0.000	34.837	33.400	114.574	MWD+IFR1+MS

9400.000	20.620	179.657	9385.019	34.049	0.000	33.953	-0.000	14.043	0.000	0.000	36.148	33.777	105.214	MWD+IFR1+MS
9500.000	28.620	179.657	9475.855	33.852	0.000	34.228	-0.000	14.740	0.000	0.000	37.335	34.077	101.828	MWD+IFR1+MS
9600.000	36.620	179.657	9560.013	33.207	0.000	34.482	-0.000	15.717	0.000	0.000	38.339	34.338	100.286	MWD+IFR1+MS
9700.000	44.620	179.657	9635.856	32.199	0.000	34.713	-0.000	16.971	0.000	0.000	39.145	34.569	99.542	MWD+IFR1+MS
9800.000	52.620	179.657	9701.908	30.945	0.000	34.919	-0.000	18.465	0.000	0.000	39.754	34.772	99.227	MWD+IFR1+MS
9900.000	60.620	179.657	9756.882	29.592	0.000	35.100	-0.000	20.139	0.000	0.000	40.180	34.947	99.177	MWD+IFR1+MS
10000.000	68.620	179.657	9799.710	28.317	0.000	35.256	-0.000	21.930	0.000	0.000	40.445	35.095	99.300	MWD+IFR1+MS
10100.000	76.620	179.657	9829.557	27.321	0.000	35.385	-0.000	23.772	0.000	0.000	40.583	35.216	99.525	MWD+IFR1+MS
10200.000	84.620	179.657	9845.842	26.802	0.000	35.487	-0.000	25.603	0.000	0.000	40.635	35.311	99.775	MWD+IFR1+MS
10267.253	90.000	179.657	9848.997	26.220	0.000	35.538	-0.000	26.220	0.000	0.000	40.644	35.359	99.896	MWD+IFR1+MS
10300.000	90.000	179.657	9848.997	26.288	0.000	35.559	-0.000	26.288	0.000	0.000	40.647	35.378	99.947	MWD+IFR1+MS
10400.000	90.000	179.657	9848.997	26.446	0.000	35.639	-0.000	26.446	0.000	0.000	40.654	35.455	100.134	MWD+IFR1+MS
10500.000	90.000	179.657	9848.997	26.630	0.000	35.738	-0.000	26.630	0.000	0.000	40.664	35.549	100.362	MWD+IFR1+MS
10600.000	90.000	179.657	9848.997	26.836	0.000	35.853	-0.000	26.836	0.000	0.000	40.674	35.659	100.628	MWD+IFR1+MS
10700.000	90.000	179.657	9848.997	27.063	0.000	35.984	-0.000	27.063	0.000	0.000	40.685	35.784	100.936	MWD+IFR1+MS
10800.000	90.000	179.657	9848.997	27.311	0.000	36.131	-0.000	27.311	0.000	0.000	40.698	35.924	101.293	MWD+IFR1+MS
10900.000	90.000	179.657	9848.997	27.579	0.000	36.293	-0.000	27.579	0.000	0.000	40.713	36.079	101.705	MWD+IFR1+MS
11000.000	90.000	179.657	9848.997	27.866	0.000	36.471	-0.000	27.866	0.000	0.000	40.729	36.248	102.180	MWD+IFR1+MS
11100.000	90.000	179.657	9848.997	28.172	0.000	36.663	-0.000	28.172	0.000	0.000	40.747	36.430	102.728	MWD+IFR1+MS
11200.000	90.000	179.657	9848.997	28.497	0.000	36.871	-0.000	28.497	0.000	0.000	40.767	36.626	103.363	MWD+IFR1+MS
11300.000	90.000	179.657	9848.997	28.839	0.000	37.093	-0.000	28.839	0.000	0.000	40.789	36.835	104.101	MWD+IFR1+MS
11400.000	90.000	179.657	9848.997	29.199	0.000	37.330	-0.000	29.199	0.000	0.000	40.815	37.056	104.961	MWD+IFR1+MS
11500.000	90.000	179.657	9848.997	29.575	0.000	37.581	-0.000	29.575	0.000	0.000	40.844	37.288	105.972	MWD+IFR1+MS
11600.000	90.000	179.657	9848.997	29.966	0.000	37.846	-0.000	29.966	0.000	0.000	40.876	37.531	107.166	MWD+IFR1+MS
11700.000	90.000	179.657	9848.997	30.373	0.000	38.124	-0.000	30.373	0.000	0.000	40.914	37.782	108.587	MWD+IFR1+MS
11800.000	90.000	179.657	9848.997	30.795	0.000	38.415	-0.000	30.795	0.000	0.000	40.959	38.041	110.291	MWD+IFR1+MS
11900.000	90.000	179.657	9848.997	31.230	0.000	38.720	-0.000	31.230	0.000	0.000	41.011	38.305	112.347	MWD+IFR1+MS
12000.000	90.000	179.657	9848.997	31.680	0.000	39.037	-0.000	31.680	0.000	0.000	41.075	38.572	114.841	MWD+IFR1+MS
12100.000	90.000	179.657	9848.997	32.141	0.000	39.366	-0.000	32.141	0.000	0.000	41.152	38.837	117.868	MWD+IFR1+MS
12200.000	90.000	179.657	9848.997	32.616	0.000	39.708	-0.000	32.616	0.000	0.000	41.248	39.096	121.518	MWD+IFR1+MS
12300.000	90.000	179.657	9848.997	33.102	0.000	40.061	-0.000	33.102	0.000	0.000	41.369	39.343	125.834	MWD+IFR1+MS
12400.000	90.000	179.657	9848.997	33.599	0.000	40.425	-0.000	33.599	0.000	0.000	41.520	39.572	130.759	MWD+IFR1+MS
12500.000	90.000	179.657	9848.997	34.108	0.000	40.801	-0.000	34.108	0.000	0.000	41.708	39.775	-43.919	MWD+IFR1+MS

12600.000	90.000	179.657	9848.997	34.626	0.000	41.187	-0.000	34.626	0.000	0.000	41.935	39.950	-38.547	MWD+IFR1+MS
12700.000	90.000	179.657	9848.997	35.155	0.000	41.584	-0.000	35.155	0.000	0.000	42.203	40.096	-33.491	MWD+IFR1+MS
12800.000	90.000	179.657	9848.997	35.692	0.000	41.991	-0.000	35.692	0.000	0.000	42.507	40.216	-29.001	MWD+IFR1+MS
12900.000	90.000	179.657	9848.997	36.239	0.000	42.409	-0.000	36.239	0.000	0.000	42.843	40.315	-25.173	MWD+IFR1+MS
13000.000	90.000	179.657	9848.997	36.795	0.000	42.835	-0.000	36.795	0.000	0.000	43.206	40.397	-21.982	MWD+IFR1+MS
13100.000	90.000	179.657	9848.997	37.358	0.000	43.271	-0.000	37.358	0.000	0.000	43.592	40.466	-19.345	MWD+IFR1+MS
13200.000	90.000	179.657	9848.997	37.930	0.000	43.716	-0.000	37.930	0.000	0.000	43.997	40.526	-17.167	MWD+IFR1+MS
13300.000	90.000	179.657	9848.997	38.509	0.000	44.170	-0.000	38.509	0.000	0.000	44.417	40.579	-15.358	MWD+IFR1+MS
13400.000	90.000	179.657	9848.997	39.095	0.000	44.633	-0.000	39.095	0.000	0.000	44.853	40.627	-13.845	MWD+IFR1+MS
13500.000	90.000	179.657	9848.997	39.688	0.000	45.103	-0.000	39.688	0.000	0.000	45.301	40.670	-12.568	MWD+IFR1+MS
13600.000	90.000	179.657	9848.997	40.288	0.000	45.582	-0.000	40.288	0.000	0.000	45.760	40.711	-11.481	MWD+IFR1+MS
13700.000	90.000	179.657	9848.997	40.894	0.000	46.068	-0.000	40.894	0.000	0.000	46.231	40.749	-10.548	MWD+IFR1+MS
13800.000	90.000	179.657	9848.997	41.506	0.000	46.562	-0.000	41.506	0.000	0.000	46.711	40.786	-9.741	MWD+IFR1+MS
13900.000	90.000	179.657	9848.997	42.124	0.000	47.064	-0.000	42.124	0.000	0.000	47.200	40.821	-9.036	MWD+IFR1+MS
14000.000	90.000	179.657	9848.997	42.747	0.000	47.572	-0.000	42.747	0.000	0.000	47.697	40.855	-8.418	MWD+IFR1+MS
14100.000	90.000	179.657	9848.997	43.375	0.000	48.087	-0.000	43.375	0.000	0.000	48.203	40.888	-7.871	MWD+IFR1+MS
14200.000	90.000	179.657	9848.997	44.009	0.000	48.608	-0.000	44.009	0.000	0.000	48.716	40.921	-7.385	MWD+IFR1+MS
14300.000	90.000	179.657	9848.997	44.647	0.000	49.137	-0.000	44.647	0.000	0.000	49.237	40.954	-6.950	MWD+IFR1+MS
14400.000	90.000	179.657	9848.997	45.290	0.000	49.671	-0.000	45.290	0.000	0.000	49.765	40.986	-6.560	MWD+IFR1+MS
14500.000	90.000	179.657	9848.997	45.937	0.000	50.211	-0.000	45.937	0.000	0.000	50.299	41.018	-6.207	MWD+IFR1+MS
14600.000	90.000	179.657	9848.997	46.588	0.000	50.757	-0.000	46.588	0.000	0.000	50.840	41.050	-5.888	MWD+IFR1+MS
14700.000	90.000	179.657	9848.997	47.244	0.000	51.309	-0.000	47.244	0.000	0.000	51.386	41.083	-5.597	MWD+IFR1+MS
14800.000	90.000	179.657	9848.997	47.903	0.000	51.866	-0.000	47.903	0.000	0.000	51.939	41.115	-5.332	MWD+IFR1+MS
14900.000	90.000	179.657	9848.997	48.566	0.000	52.428	-0.000	48.566	0.000	0.000	52.497	41.147	-5.089	MWD+IFR1+MS
15000.000	90.000	179.657	9848.997	49.233	0.000	52.995	-0.000	49.233	0.000	0.000	53.061	41.180	-4.865	MWD+IFR1+MS
15100.000	90.000	179.657	9848.997	49.903	0.000	53.568	-0.000	49.903	0.000	0.000	53.630	41.212	-4.659	MWD+IFR1+MS
15200.000	90.000	179.657	9848.997	50.577	0.000	54.145	-0.000	50.577	0.000	0.000	54.204	41.245	-4.469	MWD+IFR1+MS
15300.000	90.000	179.657	9848.997	51.253	0.000	54.727	-0.000	51.253	0.000	0.000	54.783	41.279	-4.292	MWD+IFR1+MS
15400.000	90.000	179.657	9848.997	51.933	0.000	55.313	-0.000	51.933	0.000	0.000	55.366	41.312	-4.129	MWD+IFR1+MS
15500.000	90.000	179.657	9848.997	52.616	0.000	55.904	-0.000	52.616	0.000	0.000	55.955	41.346	-3.976	MWD+IFR1+MS
15600.000	90.000	179.657	9848.997	53.301	0.000	56.498	-0.000	53.301	0.000	0.000	56.547	41.380	-3.834	MWD+IFR1+MS
15700.000	90.000	179.657	9848.997	53.989	0.000	57.097	-0.000	53.989	0.000	0.000	57.144	41.415	-3.701	MWD+IFR1+MS
15800.000	90.000	179.657	9848.997	54.680	0.000	57.700	-0.000	54.680	0.000	0.000	57.744	41.450	-3.576	MWD+IFR1+MS

15900.000	90.000	179.657	9848.997	55.373	0.000	58.307	-0.000	55.373	0.000	0.000	58.349	41.485	-3.459	MWD+IFR1+MS
16000.000	90.000	179.657	9848.997	56.069	0.000	58.917	-0.000	56.069	0.000	0.000	58.958	41.521	-3.349	MWD+IFR1+MS
16100.000	90.000	179.657	9848.997	56.767	0.000	59.531	-0.000	56.767	0.000	0.000	59.570	41.557	-3.246	MWD+IFR1+MS
16200.000	90.000	179.657	9848.997	57.467	0.000	60.148	-0.000	57.467	0.000	0.000	60.186	41.593	-3.149	MWD+IFR1+MS
16300.000	90.000	179.657	9848.997	58.169	0.000	60.769	-0.000	58.169	0.000	0.000	60.805	41.630	-3.057	MWD+IFR1+MS
16400.000	90.000	179.657	9848.997	58.874	0.000	61.393	-0.000	58.874	0.000	0.000	61.428	41.667	-2.970	MWD+IFR1+MS
16500.000	90.000	179.657	9848.997	59.580	0.000	62.020	-0.000	59.580	0.000	0.000	62.054	41.705	-2.887	MWD+IFR1+MS
16600.000	90.000	179.657	9848.997	60.289	0.000	62.650	-0.000	60.289	0.000	0.000	62.683	41.743	-2.809	MWD+IFR1+MS
16700.000	90.000	179.657	9848.997	60.999	0.000	63.284	-0.000	60.999	0.000	0.000	63.315	41.782	-2.735	MWD+IFR1+MS
16800.000	90.000	179.657	9848.997	61.711	0.000	63.920	-0.000	61.711	0.000	0.000	63.950	41.821	-2.665	MWD+IFR1+MS
16900.000	90.000	179.657	9848.997	62.425	0.000	64.559	-0.000	62.425	0.000	0.000	64.588	41.860	-2.598	MWD+IFR1+MS
17000.000	90.000	179.657	9848.997	63.140	0.000	65.200	-0.000	63.140	0.000	0.000	65.228	41.900	-2.535	MWD+IFR1+MS
17100.000	90.000	179.657	9848.997	63.857	0.000	65.845	-0.000	63.857	0.000	0.000	65.872	41.940	-2.474	MWD+IFR1+MS
17200.000	90.000	179.657	9848.997	64.576	0.000	66.492	-0.000	64.576	0.000	0.000	66.518	41.981	-2.416	MWD+IFR1+MS
17300.000	90.000	179.657	9848.997	65.296	0.000	67.141	-0.000	65.296	0.000	0.000	67.166	42.022	-2.361	MWD+IFR1+MS
17400.000	90.000	179.657	9848.997	66.018	0.000	67.793	-0.000	66.018	0.000	0.000	67.817	42.064	-2.309	MWD+IFR1+MS
17500.000	90.000	179.657	9848.997	66.741	0.000	68.447	-0.000	66.741	0.000	0.000	68.471	42.106	-2.258	MWD+IFR1+MS
17600.000	90.000	179.657	9848.997	67.465	0.000	69.104	-0.000	67.465	0.000	0.000	69.127	42.148	-2.210	MWD+IFR1+MS
17700.000	90.000	179.657	9848.997	68.191	0.000	69.762	-0.000	68.191	0.000	0.000	69.785	42.191	-2.164	MWD+IFR1+MS
17800.000	90.000	179.657	9848.997	68.918	0.000	70.423	-0.000	68.918	0.000	0.000	70.445	42.235	-2.120	MWD+IFR1+MS
17900.000	90.000	179.657	9848.997	69.647	0.000	71.086	-0.000	69.647	0.000	0.000	71.107	42.279	-2.077	MWD+IFR1+MS
18000.000	90.000	179.657	9848.997	70.376	0.000	71.751	-0.000	70.376	0.000	0.000	71.772	42.323	-2.037	MWD+IFR1+MS
18100.000	90.000	179.657	9848.997	71.107	0.000	72.418	-0.000	71.107	0.000	0.000	72.438	42.368	-1.998	MWD+IFR1+MS
18200.000	90.000	179.657	9848.997	71.839	0.000	73.087	-0.000	71.839	0.000	0.000	73.106	42.413	-1.960	MWD+IFR1+MS
18300.000	90.000	179.657	9848.997	72.572	0.000	73.758	-0.000	72.572	0.000	0.000	73.777	42.459	-1.924	MWD+IFR1+MS
18400.000	90.000	179.657	9848.997	73.306	0.000	74.430	-0.000	73.306	0.000	0.000	74.449	42.505	-1.889	MWD+IFR1+MS
18500.000	90.000	179.657	9848.997	74.041	0.000	75.105	-0.000	74.041	0.000	0.000	75.123	42.551	-1.856	MWD+IFR1+MS
18600.000	90.000	179.657	9848.997	74.777	0.000	75.781	-0.000	74.777	0.000	0.000	75.798	42.598	-1.823	MWD+IFR1+MS
18700.000	90.000	179.657	9848.997	75.514	0.000	76.459	-0.000	75.514	0.000	0.000	76.476	42.646	-1.792	MWD+IFR1+MS
18800.000	90.000	179.657	9848.997	76.252	0.000	77.138	-0.000	76.252	0.000	0.000	77.155	42.693	-1.762	MWD+IFR1+MS
18900.000	90.000	179.657	9848.997	76.991	0.000	77.819	-0.000	76.991	0.000	0.000	77.835	42.742	-1.733	MWD+IFR1+MS
19000.000	90.000	179.657	9848.997	77.731	0.000	78.502	-0.000	77.731	0.000	0.000	78.518	42.791	-1.705	MWD+IFR1+MS
19100.000	90.000	179.657	9848.997	78.472	0.000	79.186	-0.000	78.472	0.000	0.000	79.201	42.840	-1.678	MWD+IFR1+MS

19200.000	90.000	179.657	9848.997	79.214	0.000	79.872	-0.000	79.214	0.000	0.000	79.887	42.889	-1.652	MWD+IFR1+MS
19300.000	90.000	179.657	9848.997	79.956	0.000	80.559	-0.000	79.956	0.000	0.000	80.573	42.939	-1.627	MWD+IFR1+MS
19400.000	90.000	179.657	9848.997	80.699	0.000	81.247	-0.000	80.699	0.000	0.000	81.261	42.990	-1.603	MWD+IFR1+MS
19500.000	90.000	179.657	9848.997	81.443	0.000	81.937	-0.000	81.443	0.000	0.000	81.951	43.041	-1.579	MWD+IFR1+MS
19600.000	90.000	179.657	9848.997	82.188	0.000	82.628	-0.000	82.188	0.000	0.000	82.642	43.092	-1.556	MWD+IFR1+MS
19700.000	90.000	179.657	9848.997	82.934	0.000	83.321	-0.000	82.934	0.000	0.000	83.334	43.144	-1.534	MWD+IFR1+MS
19800.000	90.000	179.657	9848.997	83.680	0.000	84.015	-0.000	83.680	0.000	0.000	84.027	43.197	-1.513	MWD+IFR1+MS
19900.000	90.000	179.657	9848.997	84.427	0.000	84.710	-0.000	84.427	0.000	0.000	84.722	43.249	-1.492	MWD+IFR1+MS
20000.000	90.000	179.657	9848.997	85.174	0.000	85.406	-0.000	85.174	0.000	0.000	85.418	43.302	-1.472	MWD+IFR1+MS
20100.000	90.000	179.657	9848.997	85.923	0.000	86.103	-0.000	85.923	0.000	0.000	86.115	43.356	-1.452	MWD+IFR1+MS
20200.000	90.000	179.657	9848.997	86.671	0.000	86.802	-0.000	86.671	0.000	0.000	86.813	43.410	-1.433	MWD+IFR1+MS
20300.000	90.000	179.657	9848.997	87.421	0.000	87.501	-0.000	87.421	0.000	0.000	87.513	43.465	-1.415	MWD+IFR1+MS
20400.000	90.000	179.657	9848.997	88.171	0.000	88.202	-0.000	88.171	0.000	0.000	88.213	43.519	-1.397	MWD+IFR1+MS
20500.000	90.000	179.657	9848.997	88.922	0.000	88.904	-0.000	88.922	0.000	0.000	88.915	43.575	-1.379	MWD+IFR1+MS
20600.000	90.000	179.657	9848.997	89.673	0.000	89.607	-0.000	89.673	0.000	0.000	89.618	43.630	-1.362	MWD+IFR1+MS
20700.000	90.000	179.657	9848.997	90.425	0.000	90.311	-0.000	90.425	0.000	0.000	90.321	43.687	-1.346	MWD+IFR1+MS
20800.000	90.000	179.657	9848.997	91.178	0.000	91.015	-0.000	91.178	0.000	0.000	91.026	43.743	-1.330	MWD+IFR1+MS
20900.000	90.000	179.657	9848.997	91.931	0.000	91.721	-0.000	91.931	0.000	0.000	91.731	43.800	-1.315	MWD+IFR1+MS
21000.000	90.000	179.657	9848.997	92.684	0.000	92.428	-0.000	92.684	0.000	0.000	92.438	43.858	-1.299	MWD+IFR1+MS
21100.000	90.000	179.657	9848.997	93.438	0.000	93.136	-0.000	93.438	0.000	0.000	93.146	43.916	-1.285	MWD+IFR1+MS
21200.000	90.000	179.657	9848.997	94.193	0.000	93.844	-0.000	94.193	0.000	0.000	93.854	43.974	-1.270	MWD+IFR1+MS
21300.000	90.000	179.657	9848.997	94.948	0.000	94.554	-0.000	94.948	0.000	0.000	94.563	44.033	-1.256	MWD+IFR1+MS
21400.000	90.000	179.657	9848.997	95.703	0.000	95.264	-0.000	95.703	0.000	0.000	95.274	44.092	-1.243	MWD+IFR1+MS
21500.000	90.000	179.657	9848.997	96.459	0.000	95.976	-0.000	96.459	0.000	0.000	95.985	44.151	-1.230	MWD+IFR1+MS
21600.000	90.000	179.657	9848.997	97.216	0.000	96.688	-0.000	97.216	0.000	0.000	96.697	44.211	-1.217	MWD+IFR1+MS
21700.000	90.000	179.657	9848.997	97.973	0.000	97.401	-0.000	97.973	0.000	0.000	97.409	44.272	-1.204	MWD+IFR1+MS
21800.000	90.000	179.657	9848.997	98.730	0.000	98.114	-0.000	98.730	0.000	0.000	98.123	44.332	-1.192	MWD+IFR1+MS
21900.000	90.000	179.657	9848.997	99.488	0.000	98.829	-0.000	99.488	0.000	0.000	98.837	44.393	-1.180	MWD+IFR1+MS
22000.000	90.000	179.657	9848.997	100.246	0.000	99.544	-0.000	100.246	0.000	0.000	99.552	44.455	-1.168	MWD+IFR1+MS
22100.000	90.000	179.657	9848.997	101.004	0.000	100.260	-0.000	101.004	0.000	0.000	100.268	44.517	-1.157	MWD+IFR1+MS
22200.000	90.000	179.657	9848.997	101.763	0.000	100.976	-0.000	101.763	0.000	0.000	100.984	44.579	-1.146	MWD+IFR1+MS
22300.000	90.000	179.657	9848.997	102.523	0.000	101.694	-0.000	102.523	0.000	0.000	101.702	44.642	-1.135	MWD+IFR1+MS
22400.000	90.000	179.657	9848.997	103.282	0.000	102.412	-0.000	103.282	0.000	0.000	102.420	44.705	-1.124	MWD+IFR1+MS

22500.000	90.000	179.657	9848.997	104.042	0.000	103.131	-0.000	104.042	0.000	0.000	103.138	44.769	-1.114	MWD+IFR1+MS
22529.989	90.000	179.657	9848.997	104.270	0.000	103.346	-0.000	104.270	0.000	0.000	103.353	44.788	-1.111	MWD+IFR1+MS
22600.000	90.000	179.657	9848.997	104.801	0.000	103.848	-0.000	104.801	0.000	0.000	103.856	44.833	-1.104	MWD+IFR1+MS
22619.993	90.000	179.657	9848.997	104.953	0.000	103.991	-0.000	104.953	0.000	0.000	103.999	44.846	-1.102	MWD+IFR1+MS

Plan Targets Poker Lake Unit 22 DTD South 197H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 17	9996.71	440489.80	644244.10	6406.00	RECTANGLE
SHL 6	10029.59	440180.63	644531.58	6065.82	RECTANGLE
LTP 17	22529.99	427511.10	644321.80	6406.00	RECTANGLE
BHL 17	22620.26	427421.10	644322.60	6406.00	RECTANGLE

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NNNM02862**
LOCATION:	Sec. 22, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 22 DTD 197H
SURFACE HOLE FOOTAGE:	414'/N & 2286'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 2215'/E

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **800** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

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

lead cement)

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

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6464'**

b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

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

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

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

C. PRESSURE CONTROL

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

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

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

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 10/2/2024
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

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

SUPO Data Report
10/07/2024

APD ID: 10400097743
Submission Date: 04/16/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 22 DTD
Well Number: 197H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

POKER_LAKE_UNIT_22_DTD_197H_Road_20240330130912.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT
Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

PLU_22_DTD_1Mile_20240330132342.pdf

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

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: Production Facilities. We will use the Central Tank Battery(CTB). The facility is the PLU 22 DTD CTB, is 600x600 (Center: 1959FWL & 537FSL) located in Section 15-24S-31E NMPM, Eddy County, New Mexico. Buried & Surface Flowlines. Existing flowline ROW will be utilized for any new flowlines. If XTO decides to run surface lines, we will use the existing ROW. Midstream Tie-In. No midstream tie-in connections are requested to the PLU 22 DTD CTB. No additional corridors are requested for gas/oil/water takeaway. If corridors are found needed in the future, they will be applied for via 3160-5. Disposal Facilities. Produced water will be hauled from location to a commercial disposal facility as needed. Once wells are drilled and completed, a 3160-5 sundry notification will be submitted to BLM in compliance. Flare. A flare is not requested nor required with this project. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as shale green that reduce the visual impacts of the built environment. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1 times the capacity of the largest tank and away from cut or fill areas. Electrical. All lines will be primary 12,740 volt to properly run expected production equipment. We will use existing Over Head Electrical.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Brackish Water; Described in Water Source Comments below.

Water source use type: INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING
PIPELINE

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 2000000

Source volume (acre-feet): 257.78619266

Source volume (gal): 84000000

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

Water source type: OTHER

Describe type: Fresh Water; Described in Water Source Comments below.

Water source use type: DUST CONTROL

SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

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

Source volume (gal): 84000000

Water source and transportation

POKER_LAKE_UNIT_22_DTD_197H_Wtr_20240330134036.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The Fresh water for cementing, surface casing is delivered via trucks. XTO uses 3rd party vendor for Fresh water either PLUC1 or XRI or Select or Texas Pacific Water Resources. XTO will purchase fresh water for drilling, completion and dust control from the following company, and rest requirement is fulfilled from risers at 32.21331, -103.86153. Brackish Water for drilling, will be obtained from PLUC1. A temporary ROW will be applied for with a separate ROW Permit to utilize temporary surface poly line. Anticipated water usage for drilling includes an estimated 50,000 barrels (bbls) of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5 bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Well completion is expected to require approximately 500,000 bbls of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections. (Variance- 400,000-750,00 bbls).

New water well? N

New Water Well Info

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

Well target aquifer:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

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

Aquifer comments:

Aquifer documentation:

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

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

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

Drilling method: **Drill material:**

Grout material: **Grout depth:**

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

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Pit 1: Federal Caliche Pit, Section 13-T24S-R30E

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Fluid

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel mud boxes.

Safe containmant attachment:

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

Disposal type description:

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

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 197H

<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

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

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

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

CONDITIONS

Action 391323

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 391323
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD 24 hours prior to casing & cement	10/11/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	10/11/2024
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	10/11/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	10/11/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	10/11/2024
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	10/11/2024