AFMSS

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

Application for Permit to Drill

APD Package Report

Date Printed: 10/07/2024 04:40 PM

APD ID:	10400097903	Well Status:	AAPD
APD Received Date:	04/11/2024 09:49 AM	Well Name:	POKER LAKE UNIT 22 DTD
Operator:	XTO PERMIAN OPERATING LLC	Well Number:	402H

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 402H

2. Name of Operator: XTO PERMIAN OPERATING LLC

9. API Well No.: 30-015-55524

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

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

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

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

At surface: NWNE / 233 FNL / 1357 FEL / LAT 32.20994 / LONG -103.864666

At proposed prod. zone: SENE / 2627 FNL / 940 FEL / LAT 32.174394 / LONG -103.863251

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): 233 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 1600.0

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

19. Proposed Depth: 11178 feet / 23955 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3430 feet

22. Approximate date work will start*: 02/09/2025

23. Estimated duration: 45 days

24. Attachments

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

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

25. Signature: (Electronic Submission)

Name *(Printed/Typed)*: TAMI COPELAND / Ph: (432) 682-8873

Date: 04/11/2024

Title: REG TECH II

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

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

Date: 10/04/2024

Title: Assistant Field Manager Lands & Minerals

Office: Carlsbad Field Office

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 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 / 233 FNL / 1357 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.20994 / LONG: -103.864666 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 941 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.210314 / LONG: -103.863321 (TVD: 11178 feet, MD: 11700 feet)

PPP: NESE / 2633 FSL / 934 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.203345 / LONG: -103.863308 (TVD: 11178 feet, MD: 14400 feet)

BHL: SENE / 2627 FNL / 940 FEL / TWSP: 24S / RANGE: 30E / SECTION: 34 / LAT: 32.174394 / LONG: -103.863251 (TVD: 11178 feet, MD: 23955 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- 55524	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
333192	POKER LAKE UNIT 22 DTD	402H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC	3,430'

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		233' FNL	1,357' FEL	32.209940	-103.864666	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	34	24S	30E		2,627' FNL	940' FEL	32.174394	-103.863251	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1600.00	Infill	3001549881	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		233' FNL	1,357' FEL	32.209940	-103.864666	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	22	24S	30E		100' FNL	941' FEL	32.210314	-103.863321	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	34	24S	30E		2,537' FNL	940' FEL	32.174642	-103.863252	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM105422429	☒ Horizontal ☐ Vertical	3,430'

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 — 10/08/2024
Signature — Date

Samantha Weis
Printed Name

samantha.r.bartnik@exxonmobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

See Below
Signature and Seal of Professional Surveyor

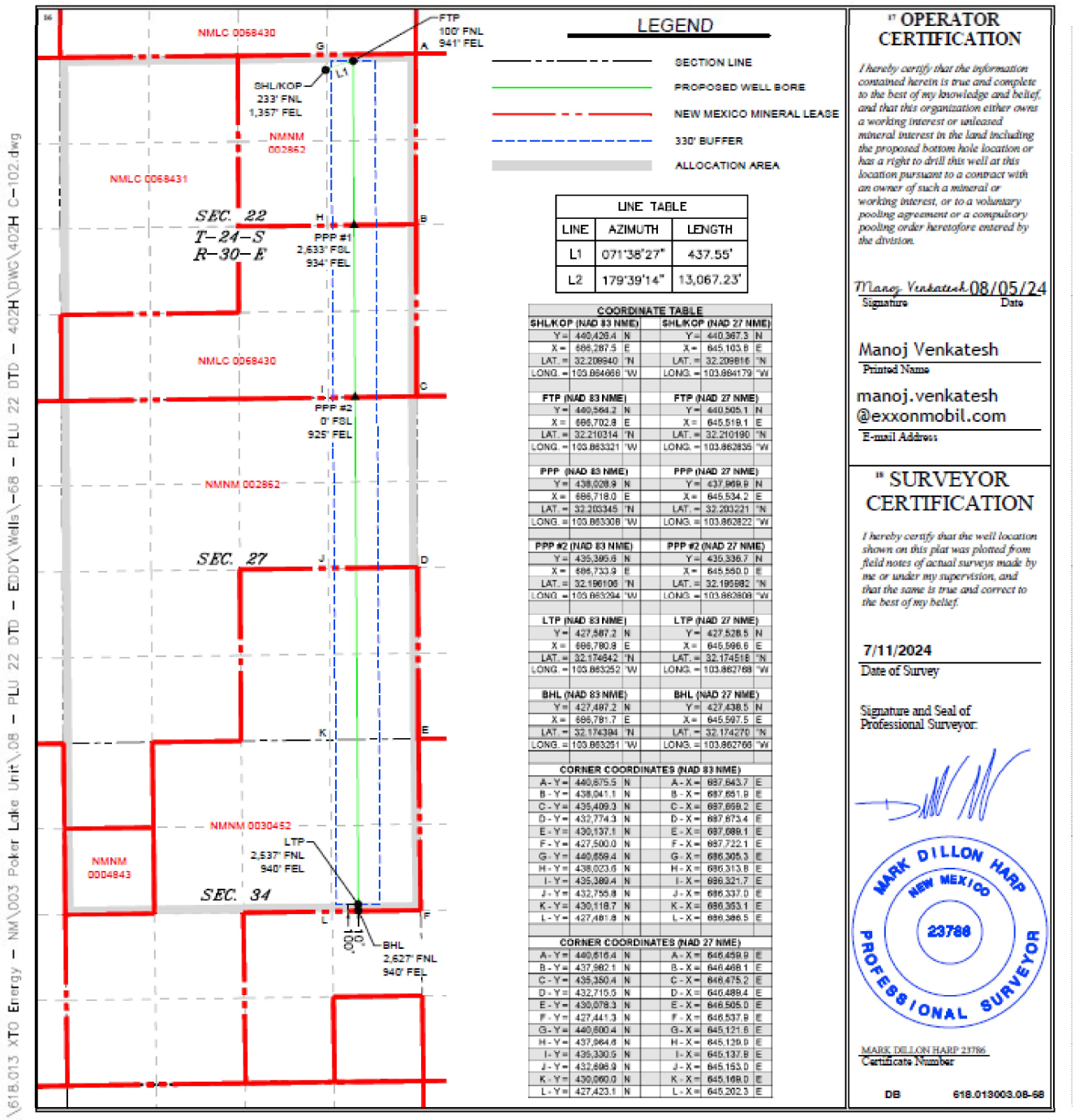
Certificate Number | Date of Survey

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.



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

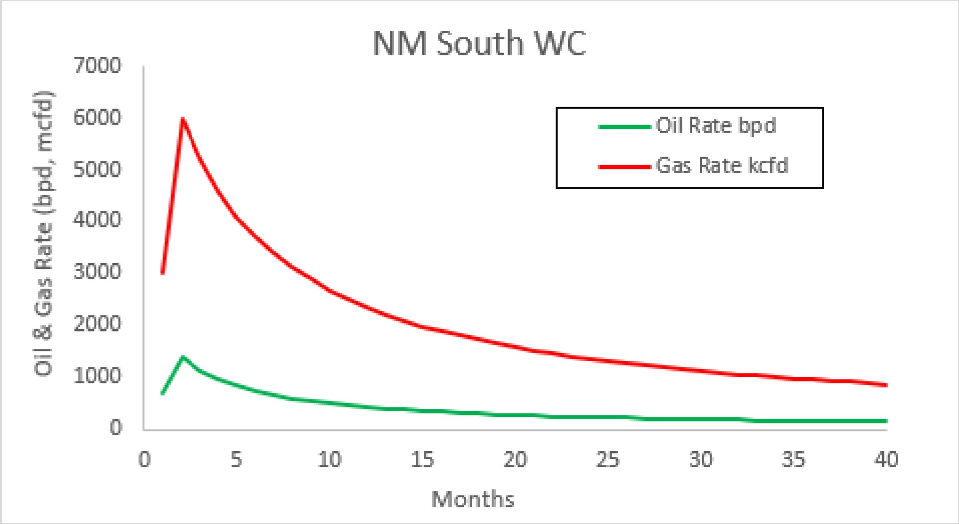
(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural 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

APD ID: 10400097903 **Submission Date:** 04/11/2024

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 402H

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

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
14265004	QUATERNARY	3430	0	0	ALLUVIUM	USEABLE WATER	N
14265005	RUSTLER	2268	1162	1162	ANHYDRITE, SANDSTONE	USEABLE WATER	N
14265006	SALADO	1865	1565	1565	SALT	NONE	N
14265007	BASE OF SALT	-328	3758	3758	SALT	NONE	N
14265008	DELAWARE	-522	3952	3952	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14264998	BRUSHY CANYON	-3068	6498	6498	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14265009	BONE SPRING	-4392	7822	7822	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14264999	BONE SPRING 1ST	-5101	8531	8531	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14265000	BONE SPRING 2ND	-5686	9116	9116	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14265001	BONE SPRING 3RD	-6512	9942	9942	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14265002	WOLFCAMP	-7697	11127	11127	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y
14265003	WOLFCAMP	-7718	11148	11148	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 11178

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 10M 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 wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. 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:

PLU_22_DTD_5MCM_20240406094552.pdf

BOP Diagram Attachment:

5M10M_BOP_20240821122434.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	1262	0	1262	3430	2168	1262	J-55	40	BUTT	4.99	1.62	DRY	12.48	DRY	12.48
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	10279	0	10261	3411	-6831	10279	L-80	29.7	FJ	2.33	1.63	DRY	2.18	DRY	2.18
3	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	23955	0	11178	3411	-7748	23955	P-110	20	OTHER - Freedom HTQ/Talon HTQ	1.66	1.05	DRY	2.01	DRY	2.01

Casing Attachments

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_402H_Csg_20240406171322.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

POKER_LAKE_UNIT_22_DTD_402H_Csg_20240406171816.pdf

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_22_DTD_402H_Csg_20240406171943.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_5.5000_20.0000_0.3610__P110_RY_20240709080959.pdf
Talon_HTQ_RD_5.5000_20.0000_0.3610__P110_RY_20240709080959.pdf

Tapered String Spec:

POKER_LAKE_UNIT_22_DTD_402H_Csg_20240406171526.pdf

Casing Design Assumptions and Worksheet(s):

POKER_LAKE_UNIT_22_DTD_402H_Csg_20240406171617.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	1262	320	1.87	10.5	598.4	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1262	130	1.35	14.8	175.5	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	6498	350	1.35	14.8	472.5	100	Class C	NA
INTERMEDIATE	Tail		6498	10279	730	1.33	14.8	970.9	100	Class C	NA
PRODUCTION	Lead		9979	10479	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		10479	23955	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
1262	3952	SALT SATURATED	10.5	11							

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
10279	23955	OIL-BASED MUD	11.5	12							
0	1262	WATER-BASED MUD	8.4	8.9							
3952	10279	OTHER : BDE/OBM	9	9.5							

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: 6684 **Anticipated Surface Pressure:** 4224

Anticipated Bottom Hole Temperature(F): 195

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240806100238.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

POKER_LAKE_UNIT_22_DTD_402H_DD_20240406170922.pdf

Other proposed operations facets description:

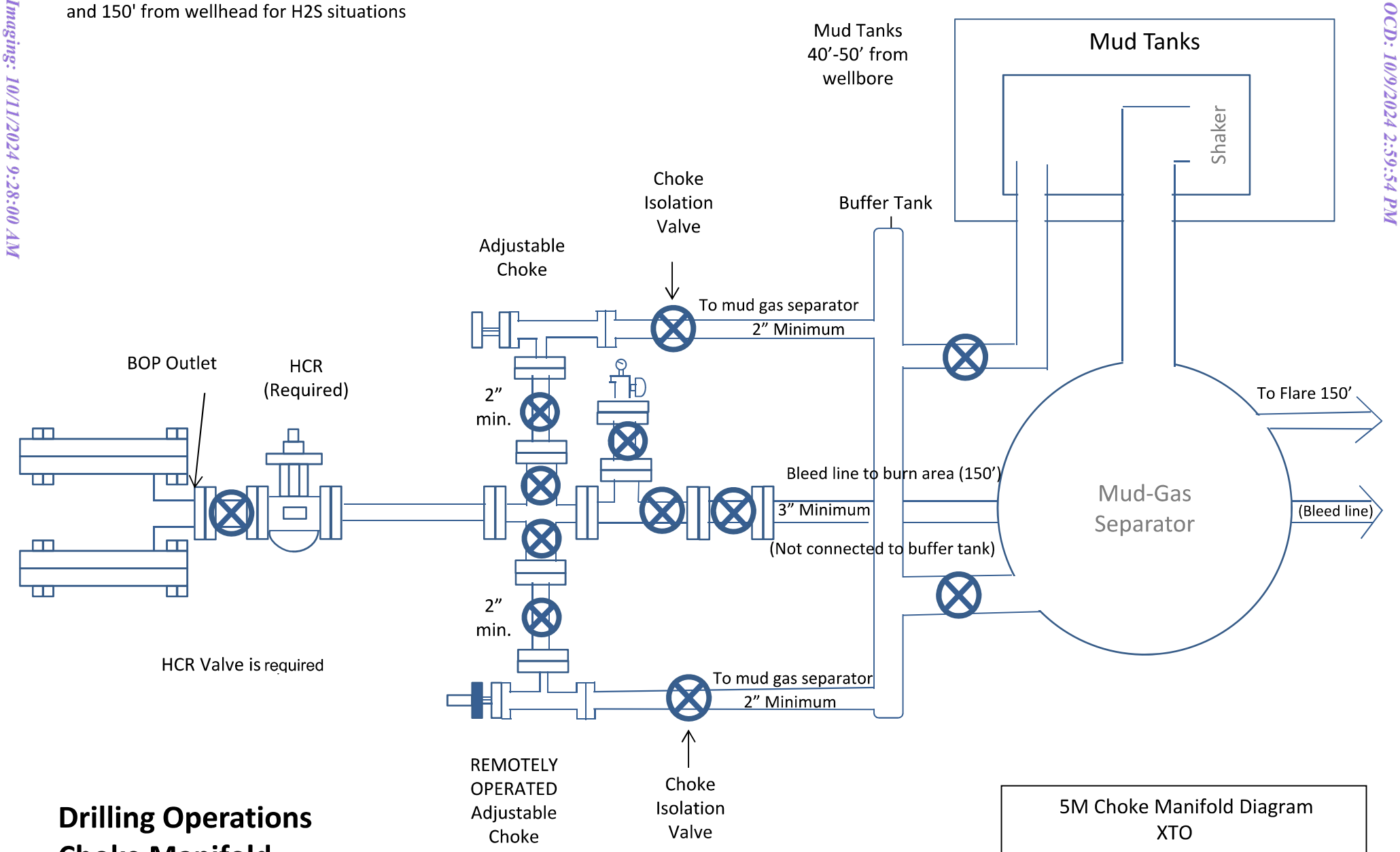
Other proposed operations facets attachment:

POKER_LAKE_UNIT_22_DTD_402H_Cmt_20240406171102.pdf
PLU_22_DTD_MBS_20240610082447.pdf
PLU_22_DTD_H2S_DiaA_20240709084657.pdf
PLU_22_DTD_H2S_DiaB_20240709084657.pdf
PLU_22_DTD_H2S_DiaC_20240709084657.pdf
PLU_22_DTD_H2S_DiaD_20240709084658.pdf
POKER_LAKE_UNIT_22_DTD_402H_RL_20240709084603.pdf

Other Variance attachment:

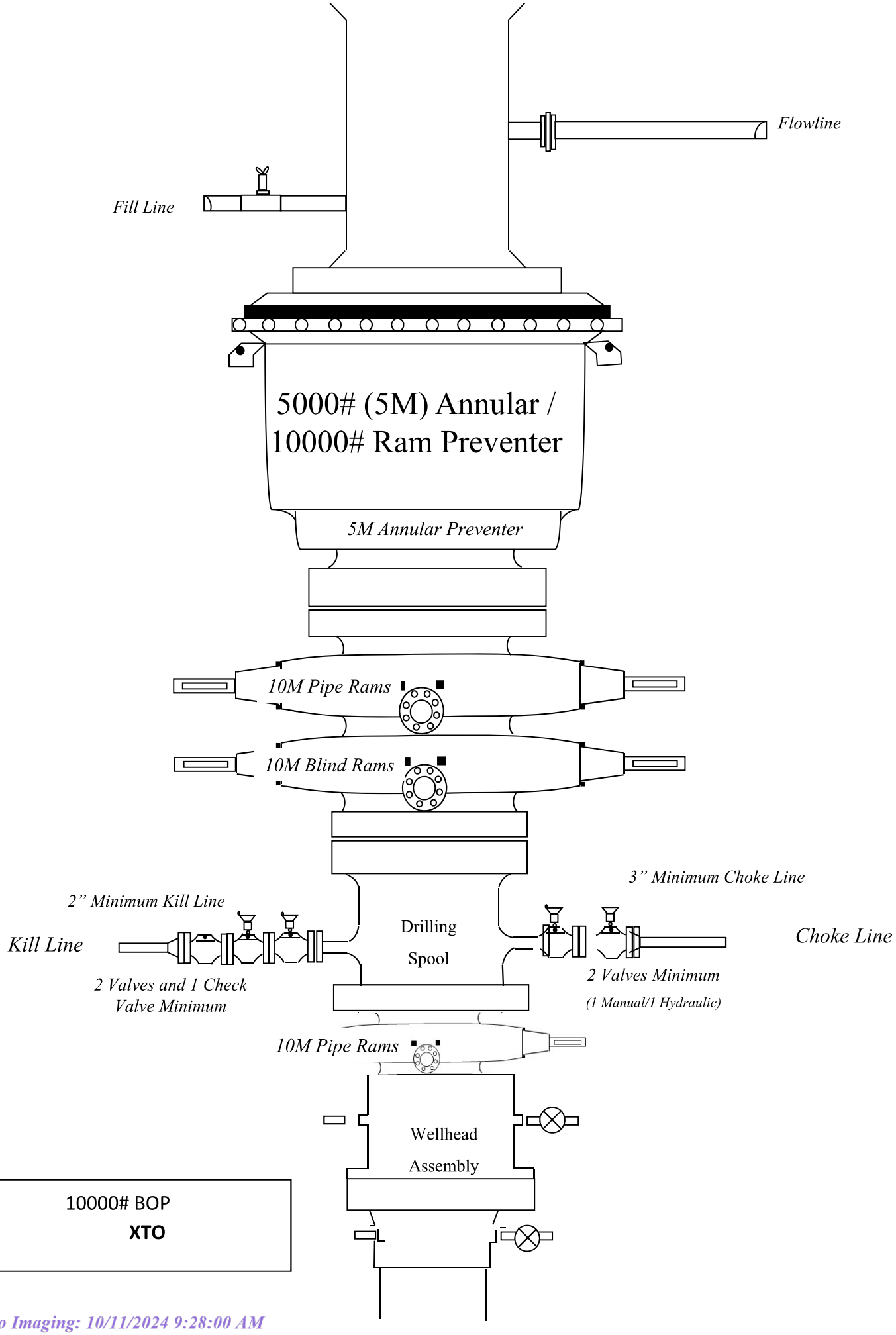
Updated_Flex_Hose_20240806100910.pdf
Spudder_Rig_Request_20240806100910.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240806100910.pdf

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



10000# 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' – 1262'	9.625	40	J-55	BTC	New	1.62	4.99	12.48
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.24	2.92	1.83
8.75	4000' – 10279'	7.625	29.7	HC L-80	Flush Joint	New	1.63	2.33	2.18
6.75	0' – 10179'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.82	2.01
6.75	10179' - 23955'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.66	2.01

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 (6498') 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.

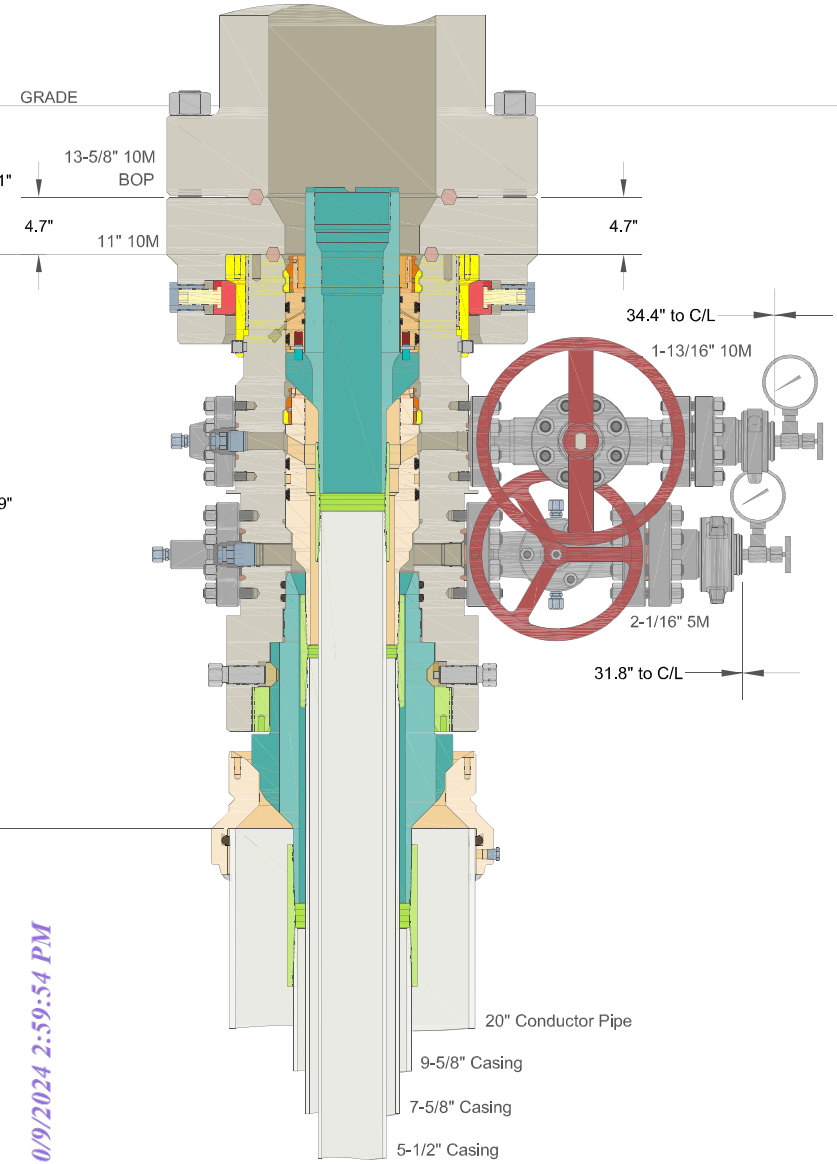
XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

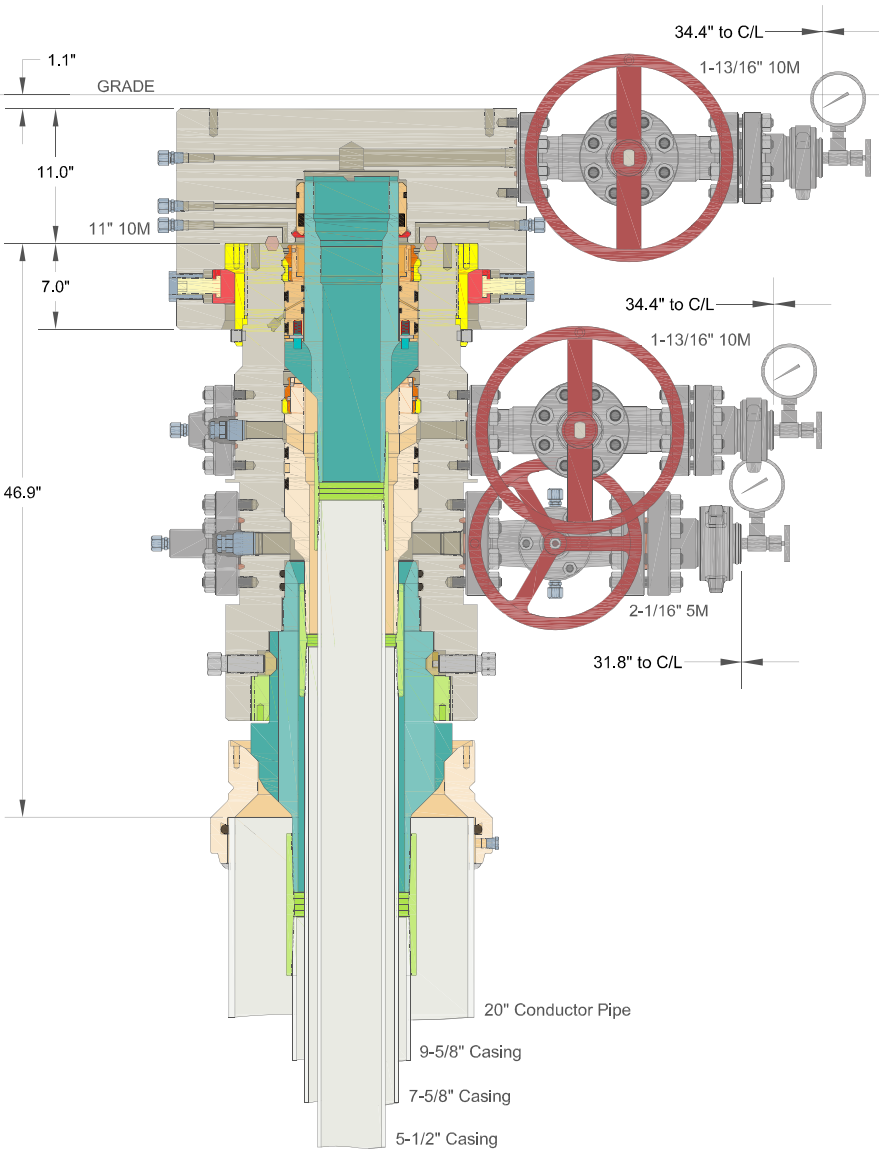
XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

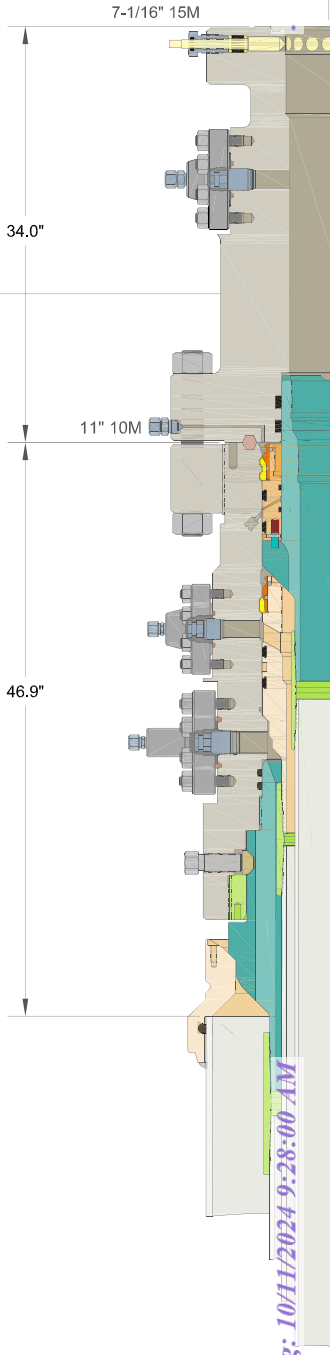
XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the 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 WELLHEAD LLC

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
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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. OSUNOS

TITLE: QUALITY ASSURANCE

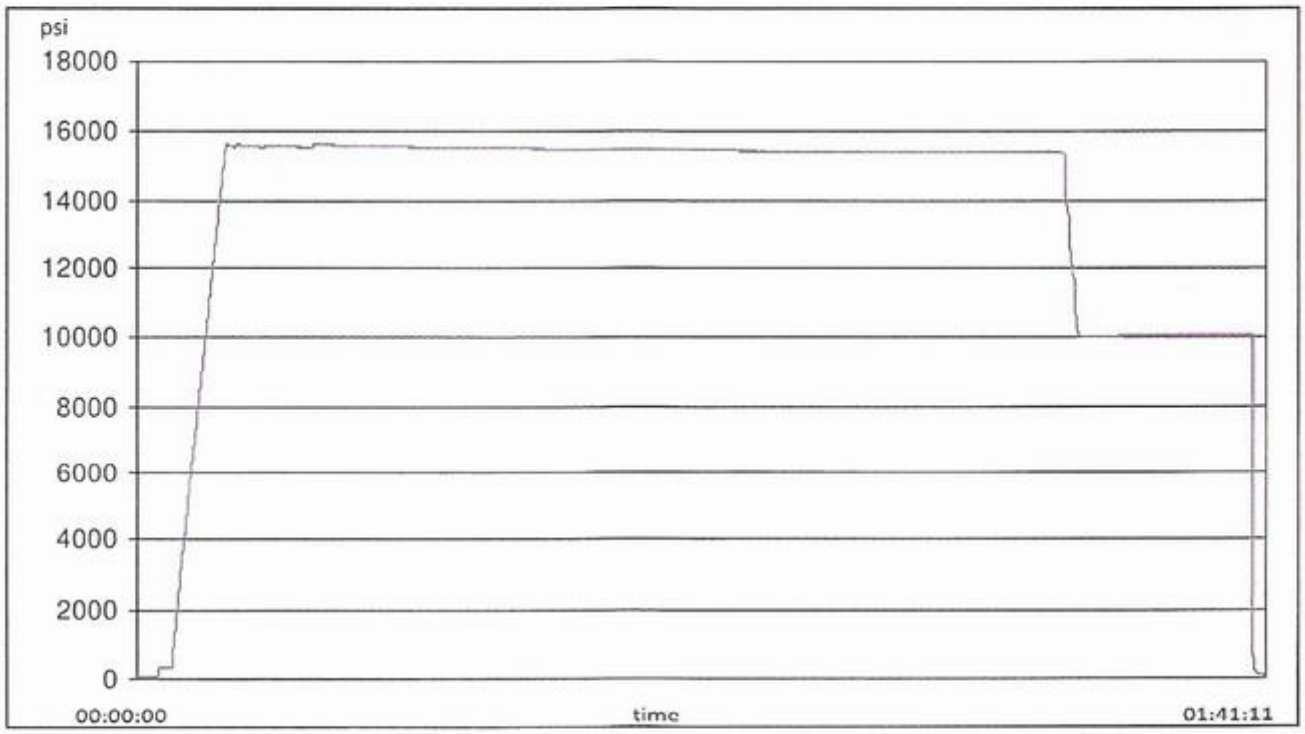
DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

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



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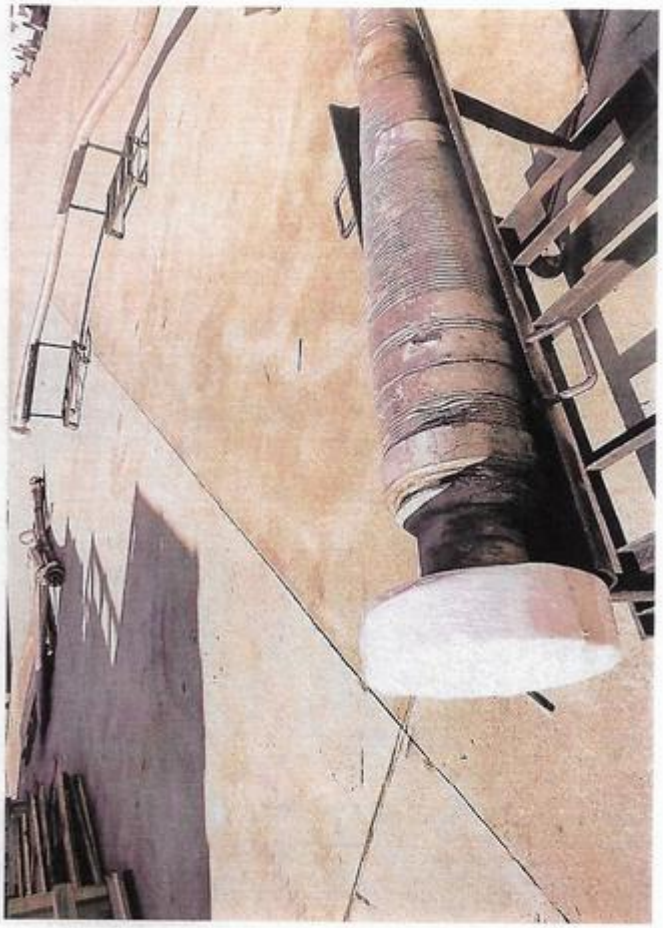
TEST REPORT

GAUGE TRACEABILITY

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

Comment



XTO 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.

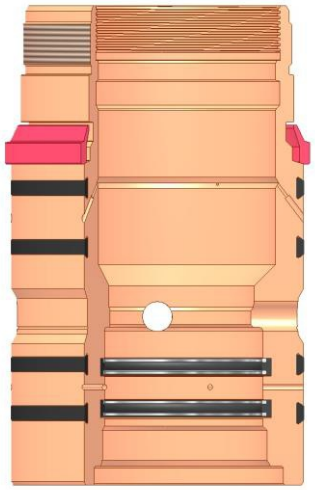
1. Cement Program

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

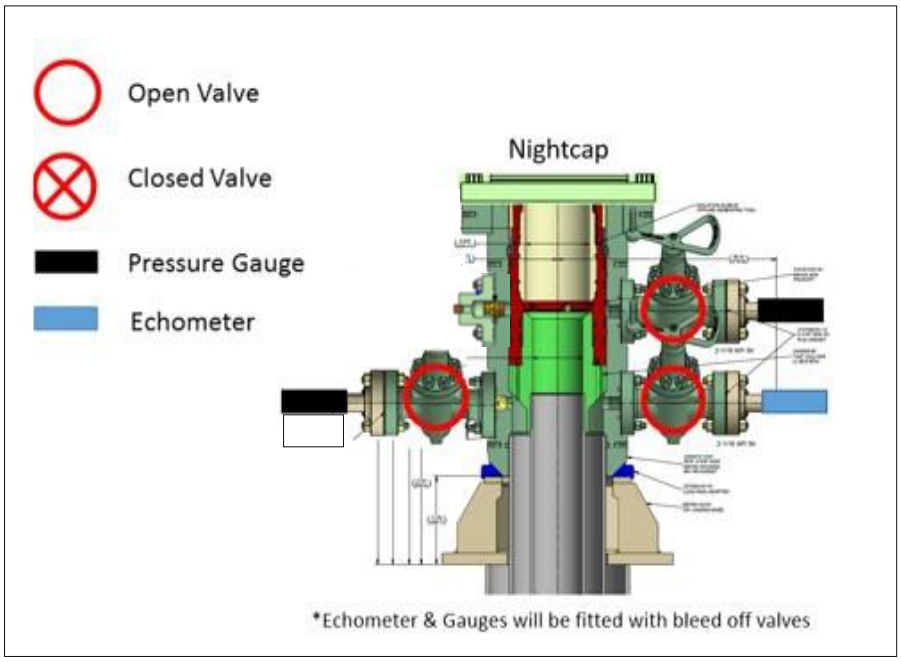
2. Offline Cementing Procedure

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.



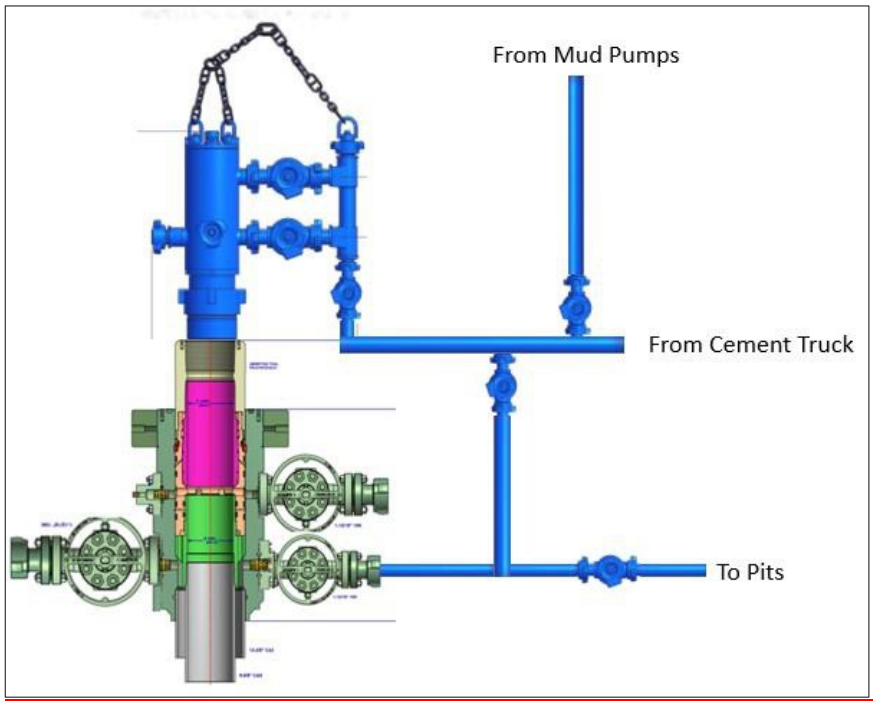
Annular packoff with both external and internal seals



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.

Well Plan Report - Poker Lake Unit 22 DTD South 402H

Measured Depth:	23955.00 ft
TVD RKB:	11178.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440367.30 ft
Easting:	645103.80 ft
RKB:	3462.00 ft
Ground Level:	3430.00 ft
North Reference:	Grid
Convergence Angle:	0.25 Deg

Plan Sections Poker Lake Unit 22 DTD South 402H

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	
1333.06	4.66	71.64	1332.80	2.98	8.99	2.00	0.00	2.00	
6484.50	4.66	71.64	6467.20	134.82	406.31	0.00	0.00	0.00	
6717.55	0.00	0.00	6700.00	137.80	415.30	-2.00	0.00	2.00	
10479.35	0.00	0.00	10461.80	137.80	415.30	0.00	0.00	0.00	
11604.35	90.00	179.66	11178.00	-578.38	419.57	8.00	0.00	8.00	
23865.01	90.00	179.66	11178.00	-12838.83	492.76	0.00	0.00	0.00	LTP 24
23955.00	90.00	179.66	11178.00	-12928.82	493.30	0.00	0.00	0.00	BHL 24

Position Uncertainty Poker Lake Unit 22 DTD South 402H

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

(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.000	0.358	0.179	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.310	0.000	0.000	0.717	0.538	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.326	0.000	0.000	1.075	0.896	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.347	0.000	0.000	1.434	1.255	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.375	0.000	0.000	1.792	1.613	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.407	0.000	0.000	2.151	1.972	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.445	0.000	0.000	2.509	2.330	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.486	0.000	0.000	2.868	2.689	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.533	0.000	0.000	3.226	3.047	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.583	0.000	0.000	3.585	3.405	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.636	0.000	0.000	3.943	3.764	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1200.000	2.000	71.644	1199.980	4.133	0.000	4.278	0.000	2.692	0.000	0.000	4.296	4.116	90.096	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1300.000	4.000	71.644	1299.838	4.474	0.000	4.626	0.000	2.750	0.000	0.000	4.645	4.465	90.392	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1333.055	4.661	71.644	1332.798	4.586	0.000	4.742	0.000	2.768	0.000	0.000	4.760	4.581	90.605	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1400.000	4.661	71.644	1399.522	4.820	0.000	4.976	0.000	2.809	0.000	0.000	4.995	4.814	90.678	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1500.000	4.661	71.644	1499.191	5.170	0.000	5.327	0.000	2.875	0.000	0.000	5.347	5.162	90.723	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1600.000	4.661	71.644	1598.860	5.521	0.000	5.679	0.000	2.944	0.000	0.000	5.699	5.512	90.788	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1700.000	4.661	71.644	1698.529	5.873	0.000	6.032	0.000	3.014	0.000	0.000	6.053	5.862	90.867	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1800.000	4.661	71.644	1798.199	6.226	0.000	6.386	0.000	3.088	0.000	0.000	6.407	6.214	90.959	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1900.000	4.661	71.644	1897.868	6.580	0.000	6.740	0.000	3.163	0.000	0.000	6.761	6.566	91.059	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2000.000	4.661	71.644	1997.537	6.934	0.000	7.095	0.000	3.240	0.000	0.000	7.117	6.918	91.167	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2100.000	4.661	71.644	2097.207	7.289	0.000	7.450	0.000	3.319	0.000	0.000	7.472	7.271	91.279	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2200.000	4.661	71.644	2196.876	7.644	0.000	7.805	0.000	3.399	0.000	0.000	7.828	7.625	91.396	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2300.000	4.661	71.644	2296.545	8.000	0.000	8.161	0.000	3.482	0.000	0.000	8.185	7.978	91.517	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2400.000	4.661	71.644	2396.214	8.355	0.000	8.517	0.000	3.566	0.000	0.000	8.541	8.333	91.639	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2500.000	4.661	71.644	2495.884	8.712	0.000	8.873	0.000	3.651	0.000	0.000	8.898	8.687	91.763	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2600.000	4.661	71.644	2595.553	9.068	0.000	9.230	0.000	3.738	0.000	0.000	9.255	9.042	91.889	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2700.000	4.661	71.644	2695.222	9.425	0.000	9.587	0.000	3.826	0.000	0.000	9.613	9.397	92.015	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2800.000	4.661	71.644	2794.892	9.782	0.000	9.944	0.000	3.916	0.000	0.000	9.970	9.752	92.141	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2900.000	4.661	71.644	2894.561	10.139	0.000	10.301	0.000	4.007	0.000	0.000	10.328	10.107	92.268	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3000.000	4.661	71.644	2994.230	10.496	0.000	10.658	0.000	4.099	0.000	0.000	10.686	10.462	92.394	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3100.000	4.661	71.644	3093.899	10.853	0.000	11.015	0.000	4.193	0.000	0.000	11.044	10.818	92.520	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

3200.000	4.661	71.644	3193.569	11.211	0.000	11.373	0.000	4.288	0.000	0.000	11.402	11.174	92.645	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3300.000	4.661	71.644	3293.238	11.568	0.000	11.730	0.000	4.384	0.000	0.000	11.760	11.529	92.770	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3400.000	4.661	71.644	3392.907	11.926	0.000	12.088	0.000	4.482	0.000	0.000	12.118	11.885	92.894	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3500.000	4.661	71.644	3492.576	12.284	0.000	12.446	0.000	4.581	0.000	0.000	12.477	12.241	93.016	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3600.000	4.661	71.644	3592.246	12.641	0.000	12.803	0.000	4.681	0.000	0.000	12.835	12.597	93.138	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3700.000	4.661	71.644	3691.915	12.999	0.000	13.161	0.000	4.783	0.000	0.000	13.193	12.954	93.259	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3800.000	4.661	71.644	3791.584	13.357	0.000	13.519	0.000	4.886	0.000	0.000	13.552	13.310	93.379	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3900.000	4.661	71.644	3891.254	13.715	0.000	13.877	0.000	4.991	0.000	0.000	13.911	13.666	93.497	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4000.000	4.661	71.644	3990.923	14.074	0.000	14.235	0.000	5.097	0.000	0.000	14.269	14.023	93.615	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4100.000	4.661	71.644	4090.592	14.432	0.000	14.593	0.000	5.205	0.000	0.000	14.628	14.379	93.731	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4200.000	4.661	71.644	4190.261	14.790	0.000	14.951	0.000	5.314	0.000	0.000	14.987	14.736	93.846	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4300.000	4.661	71.644	4289.931	15.148	0.000	15.310	0.000	5.425	0.000	0.000	15.346	15.092	93.960	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4400.000	4.661	71.644	4389.600	15.507	0.000	15.668	0.000	5.537	0.000	0.000	15.705	15.449	94.072	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4500.000	4.661	71.644	4489.269	15.865	0.000	16.026	0.000	5.651	0.000	0.000	16.064	15.805	94.184	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4600.000	4.661	71.644	4588.939	16.224	0.000	16.384	0.000	5.766	0.000	0.000	16.423	16.162	94.294	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4700.000	4.661	71.644	4688.608	16.582	0.000	16.743	0.000	5.883	0.000	0.000	16.782	16.519	94.403	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4800.000	4.661	71.644	4788.277	16.941	0.000	17.101	0.000	6.002	0.000	0.000	17.141	16.876	94.511	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4900.000	4.661	71.644	4887.946	17.299	0.000	17.460	0.000	6.123	0.000	0.000	17.500	17.232	94.617	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5000.000	4.661	71.644	4987.616	17.658	0.000	17.818	0.000	6.245	0.000	0.000	17.859	17.589	94.723	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5100.000	4.661	71.644	5087.285	18.016	0.000	18.177	0.000	6.370	0.000	0.000	18.218	17.946	94.827	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5200.000	4.661	71.644	5186.954	18.375	0.000	18.535	0.000	6.496	0.000	0.000	18.578	18.303	94.930	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5300.000	4.661	71.644	5286.623	18.734	0.000	18.894	0.000	6.624	0.000	0.000	18.937	18.660	95.032	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5400.000	4.661	71.644	5386.293	19.092	0.000	19.252	0.000	6.754	0.000	0.000	19.296	19.017	95.133	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5500.000	4.661	71.644	5485.962	19.451	0.000	19.611	0.000	6.886	0.000	0.000	19.655	19.374	95.233	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5600.000	4.661	71.644	5585.631	19.810	0.000	19.969	0.000	7.019	0.000	0.000	20.015	19.731	95.332	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5700.000	4.661	71.644	5685.301	20.169	0.000	20.328	0.000	7.155	0.000	0.000	20.374	20.088	95.430	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5800.000	4.661	71.644	5784.970	20.528	0.000	20.686	0.000	7.293	0.000	0.000	20.733	20.445	95.527	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5900.000	4.661	71.644	5884.639	20.886	0.000	21.045	0.000	7.433	0.000	0.000	21.093	20.802	95.623	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6000.000	4.661	71.644	5984.308	21.245	0.000	21.404	0.000	7.576	0.000	0.000	21.452	21.159	95.718	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6100.000	4.661	71.644	6083.978	21.604	0.000	21.762	0.000	7.720	0.000	0.000	21.812	21.516	95.812	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6200.000	4.661	71.644	6183.647	21.963	0.000	22.121	0.000	7.867	0.000	0.000	22.171	21.873	95.905	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6300.000	4.661	71.644	6283.316	22.322	0.000	22.480	0.000	8.015	0.000	0.000	22.531	22.230	95.997	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6400.000	4.661	71.644	6382.986	22.681	0.000	22.838	0.000	8.167	0.000	0.000	22.890	22.588	96.089	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6484.496	4.661	71.644	6467.202	22.984	0.000	23.142	0.000	8.296	0.000	0.000	23.194	22.889	96.166	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

6500.000	4.351	71.644	6482.658	23.041	0.000	23.197	0.000	8.320	0.000	0.000	23.249	22.945	96.177	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6600.000	2.351	71.644	6582.482	23.394	0.000	23.555	0.000	8.475	0.000	0.000	23.608	23.302	96.257	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6700.000	0.351	71.644	6682.449	23.720	0.000	23.912	0.000	8.631	0.000	0.000	23.965	23.659	96.334	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6717.551	0.000	0.000	6700.000	24.023	0.000	23.724	0.000	8.658	0.000	0.000	24.027	23.720	96.327	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6800.000	0.000	0.000	6782.449	24.312	0.000	24.012	0.000	8.787	0.000	0.000	24.315	24.008	96.210	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6900.000	0.000	0.000	6882.449	24.662	0.000	24.360	0.000	8.945	0.000	0.000	24.665	24.357	96.072	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7000.000	0.000	0.000	6982.449	25.012	0.000	24.710	0.000	9.106	0.000	0.000	25.015	24.706	95.938	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7100.000	0.000	0.000	7082.449	25.362	0.000	25.059	0.000	9.269	0.000	0.000	25.365	25.056	95.809	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7200.000	0.000	0.000	7182.449	25.713	0.000	25.409	0.000	9.435	0.000	0.000	25.716	25.406	95.684	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7300.000	0.000	0.000	7282.449	26.063	0.000	25.758	0.000	9.604	0.000	0.000	26.066	25.756	95.563	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7400.000	0.000	0.000	7382.449	26.415	0.000	26.109	0.000	9.775	0.000	0.000	26.417	26.106	95.445	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7500.000	0.000	0.000	7482.449	26.766	0.000	26.459	0.000	9.949	0.000	0.000	26.768	26.456	95.332	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7600.000	0.000	0.000	7582.449	27.117	0.000	26.809	0.000	10.126	0.000	0.000	27.120	26.807	95.221	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7700.000	0.000	0.000	7682.449	27.469	0.000	27.160	0.000	10.305	0.000	0.000	27.471	27.158	95.114	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7800.000	0.000	0.000	7782.449	27.820	0.000	27.511	0.000	10.487	0.000	0.000	27.823	27.509	95.010	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7900.000	0.000	0.000	7882.449	28.172	0.000	27.862	0.000	10.672	0.000	0.000	28.175	27.860	94.909	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8000.000	0.000	0.000	7982.449	28.524	0.000	28.214	0.000	10.859	0.000	0.000	28.527	28.211	94.811	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8100.000	0.000	0.000	8082.449	28.877	0.000	28.565	0.000	11.049	0.000	0.000	28.879	28.563	94.715	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8200.000	0.000	0.000	8182.449	29.229	0.000	28.917	0.000	11.242	0.000	0.000	29.231	28.915	94.622	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8300.000	0.000	0.000	8282.449	29.582	0.000	29.269	0.000	11.438	0.000	0.000	29.584	29.267	94.532	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8400.000	0.000	0.000	8382.449	29.934	0.000	29.621	0.000	11.637	0.000	0.000	29.936	29.619	94.444	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8500.000	0.000	0.000	8482.449	30.287	0.000	29.973	0.000	11.838	0.000	0.000	30.289	29.971	94.359	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8600.000	0.000	0.000	8582.449	30.640	0.000	30.325	0.000	12.043	0.000	0.000	30.642	30.323	94.276	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8700.000	0.000	0.000	8682.449	30.993	0.000	30.678	0.000	12.250	0.000	0.000	30.995	30.676	94.195	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8800.000	0.000	0.000	8782.449	31.346	0.000	31.030	0.000	12.460	0.000	0.000	31.348	31.029	94.116	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8900.000	0.000	0.000	8882.449	31.700	0.000	31.383	0.000	12.673	0.000	0.000	31.701	31.381	94.039	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9000.000	0.000	0.000	8982.449	32.053	0.000	31.736	0.000	12.888	0.000	0.000	32.055	31.734	93.964	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9100.000	0.000	0.000	9082.449	32.407	0.000	32.089	0.000	13.107	0.000	0.000	32.408	32.087	93.891	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9200.000	0.000	0.000	9182.449	32.760	0.000	32.442	0.000	13.329	0.000	0.000	32.762	32.440	93.819	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9300.000	0.000	0.000	9282.449	33.114	0.000	32.795	0.000	13.553	0.000	0.000	33.115	32.794	93.750	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9400.000	0.000	0.000	9382.449	33.468	0.000	33.148	0.000	13.781	0.000	0.000	33.469	33.147	93.682	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9500.000	0.000	0.000	9482.449	33.822	0.000	33.502	0.000	14.011	0.000	0.000	33.823	33.501	93.615	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9600.000	0.000	0.000	9582.449	34.176	0.000	33.855	0.000	14.244	0.000	0.000	34.177	33.854	93.550	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9700.000	0.000	0.000	9682.449	34.530	0.000	34.209	0.000	14.481	0.000	0.000	34.531	34.208	93.487	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

9800.000	0.000	0.000	9782.449	34.884	0.000	34.563	0.000	14.720	0.000	0.000	34.885	34.562	93.425	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9900.000	0.000	0.000	9882.449	35.239	0.000	34.917	0.000	14.962	0.000	0.000	35.240	34.915	93.365	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10000.000	0.000	0.000	9982.449	35.593	0.000	35.271	0.000	15.207	0.000	0.000	35.594	35.269	93.306	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10100.000	0.000	0.000	10082.449	35.947	0.000	35.625	0.000	15.455	0.000	0.000	35.949	35.623	93.248	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10200.000	0.000	0.000	10182.449	36.302	0.000	35.979	0.000	15.707	0.000	0.000	36.303	35.978	93.191	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10300.000	0.000	0.000	10282.449	36.657	0.000	36.333	0.000	15.961	0.000	0.000	36.658	36.332	93.136	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10400.000	0.000	0.000	10382.449	37.011	0.000	36.687	0.000	16.218	0.000	0.000	37.012	36.686	93.082	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10479.351	0.000	0.000	10461.800	37.293	0.000	36.968	0.000	16.424	0.000	0.000	37.294	36.967	93.040	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10500.000	1.652	179.658	10482.446	37.338	0.000	37.039	-0.000	16.478	0.000	0.000	37.364	37.038	93.031	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10600.000	9.652	179.658	10581.879	37.187	0.000	37.366	-0.000	16.736	0.000	0.000	37.689	37.365	93.062	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10700.000	17.652	179.658	10678.975	36.454	0.000	37.683	-0.000	16.982	0.000	0.000	38.002	37.681	93.251	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10800.000	25.652	179.658	10771.844	35.162	0.000	37.985	-0.000	17.212	0.000	0.000	38.291	37.983	93.727	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10900.000	33.652	179.658	10858.678	33.360	0.000	38.267	-0.000	17.420	0.000	0.000	38.548	38.265	94.689	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11000.000	41.652	179.658	10937.787	31.121	0.000	38.527	-0.000	17.606	0.000	0.000	38.767	38.523	96.551	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11100.000	49.652	179.658	11007.632	28.549	0.000	38.759	-0.000	17.767	0.000	0.000	38.945	38.753	100.323	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11200.000	57.652	179.658	11066.853	25.792	0.000	38.962	-0.000	17.904	0.000	0.000	39.085	38.947	108.800	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11300.000	65.652	179.658	11114.297	23.061	0.000	39.133	-0.000	18.021	0.000	0.000	39.201	39.094	126.997	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11400.000	73.652	179.658	11149.041	20.646	0.000	39.270	-0.000	18.120	0.000	0.000	39.313	39.176	-34.222	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11500.000	81.652	179.658	11170.409	18.924	0.000	39.371	-0.000	18.203	0.000	0.000	39.407	39.212	-25.860	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11604.351	90.000	179.658	11177.997	18.278	0.000	39.436	-0.000	18.278	0.000	0.000	39.475	39.223	-23.346	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11700.000	90.000	179.658	11177.997	18.348	0.000	39.481	-0.000	18.348	0.000	0.000	39.524	39.225	-22.590	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11800.000	90.000	179.658	11177.997	18.432	0.000	39.536	-0.000	18.432	0.000	0.000	39.582	39.228	-21.537	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11900.000	90.000	179.658	11177.997	18.526	0.000	39.600	-0.000	18.526	0.000	0.000	39.648	39.233	-20.413	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12000.000	90.000	179.658	11177.997	18.631	0.000	39.671	-0.000	18.631	0.000	0.000	39.722	39.239	-19.290	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12100.000	90.000	179.658	11177.997	18.746	0.000	39.752	-0.000	18.746	0.000	0.000	39.804	39.246	-18.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12200.000	90.000	179.658	11177.997	18.871	0.000	39.840	-0.000	18.871	0.000	0.000	39.894	39.255	-17.183	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12300.000	90.000	179.658	11177.997	19.007	0.000	39.937	-0.000	19.007	0.000	0.000	39.991	39.264	-16.230	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12400.000	90.000	179.658	11177.997	19.152	0.000	40.042	-0.000	19.152	0.000	0.000	40.097	39.274	-15.347	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12500.000	90.000	179.658	11177.997	19.307	0.000	40.155	-0.000	19.307	0.000	0.000	40.210	39.285	-14.535	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12600.000	90.000	179.658	11177.997	19.472	0.000	40.277	-0.000	19.472	0.000	0.000	40.332	39.297	-13.788	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12700.000	90.000	179.658	11177.997	19.645	0.000	40.406	-0.000	19.645	0.000	0.000	40.461	39.309	-13.103	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12800.000	90.000	179.658	11177.997	19.827	0.000	40.543	-0.000	19.827	0.000	0.000	40.598	39.323	-12.474	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12900.000	90.000	179.658	11177.997	20.018	0.000	40.688	-0.000	20.018	0.000	0.000	40.743	39.337	-11.895	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13000.000	90.000	179.658	11177.997	20.218	0.000	40.841	-0.000	20.218	0.000	0.000	40.896	39.351	-11.363	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

13100.000	90.000	179.658	11177.997	20.425	0.000	41.001	-0.000	20.425	0.000	0.000	41.056	39.367	-10.872	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13200.000	90.000	179.658	11177.997	20.641	0.000	41.169	-0.000	20.641	0.000	0.000	41.224	39.383	-10.420	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13300.000	90.000	179.658	11177.997	20.864	0.000	41.345	-0.000	20.864	0.000	0.000	41.400	39.400	-10.001	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13400.000	90.000	179.658	11177.997	21.095	0.000	41.527	-0.000	21.095	0.000	0.000	41.582	39.417	-9.613	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13500.000	90.000	179.658	11177.997	21.333	0.000	41.718	-0.000	21.333	0.000	0.000	41.772	39.435	-9.252	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13600.000	90.000	179.658	11177.997	21.577	0.000	41.915	-0.000	21.577	0.000	0.000	41.969	39.454	-8.917	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13700.000	90.000	179.658	11177.997	21.829	0.000	42.119	-0.000	21.829	0.000	0.000	42.173	39.474	-8.605	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13800.000	90.000	179.658	11177.997	22.087	0.000	42.331	-0.000	22.087	0.000	0.000	42.384	39.494	-8.313	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13900.000	90.000	179.658	11177.997	22.351	0.000	42.549	-0.000	22.351	0.000	0.000	42.602	39.515	-8.040	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14000.000	90.000	179.658	11177.997	22.621	0.000	42.774	-0.000	22.621	0.000	0.000	42.827	39.536	-7.784	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14100.000	90.000	179.658	11177.997	22.897	0.000	43.006	-0.000	22.897	0.000	0.000	43.059	39.558	-7.544	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14200.000	90.000	179.658	11177.997	23.179	0.000	43.244	-0.000	23.179	0.000	0.000	43.297	39.581	-7.318	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14300.000	90.000	179.658	11177.997	23.466	0.000	43.489	-0.000	23.466	0.000	0.000	43.541	39.605	-7.105	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14400.000	90.000	179.658	11177.997	23.759	0.000	43.740	-0.000	23.759	0.000	0.000	43.792	39.629	-6.905	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14500.000	90.000	179.658	11177.997	24.056	0.000	43.997	-0.000	24.056	0.000	0.000	44.049	39.653	-6.715	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14600.000	90.000	179.658	11177.997	24.358	0.000	44.261	-0.000	24.358	0.000	0.000	44.312	39.679	-6.536	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14700.000	90.000	179.658	11177.997	24.665	0.000	44.530	-0.000	24.665	0.000	0.000	44.581	39.705	-6.367	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14800.000	90.000	179.658	11177.997	24.976	0.000	44.806	-0.000	24.976	0.000	0.000	44.856	39.732	-6.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14900.000	90.000	179.658	11177.997	25.292	0.000	45.087	-0.000	25.292	0.000	0.000	45.137	39.759	-6.053	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15000.000	90.000	179.658	11177.997	25.612	0.000	45.374	-0.000	25.612	0.000	0.000	45.424	39.787	-5.908	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15100.000	90.000	179.658	11177.997	25.936	0.000	45.667	-0.000	25.936	0.000	0.000	45.716	39.816	-5.769	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15200.000	90.000	179.658	11177.997	26.264	0.000	45.965	-0.000	26.264	0.000	0.000	46.014	39.845	-5.638	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15300.000	90.000	179.658	11177.997	26.595	0.000	46.268	-0.000	26.595	0.000	0.000	46.317	39.875	-5.512	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15400.000	90.000	179.658	11177.997	26.930	0.000	46.577	-0.000	26.930	0.000	0.000	46.625	39.905	-5.392	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15500.000	90.000	179.658	11177.997	27.269	0.000	46.890	-0.000	27.269	0.000	0.000	46.938	39.937	-5.278	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15600.000	90.000	179.658	11177.997	27.611	0.000	47.209	-0.000	27.611	0.000	0.000	47.257	39.968	-5.168	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15700.000	90.000	179.658	11177.997	27.956	0.000	47.533	-0.000	27.956	0.000	0.000	47.581	40.001	-5.063	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15800.000	90.000	179.658	11177.997	28.304	0.000	47.862	-0.000	28.304	0.000	0.000	47.909	40.034	-4.962	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15900.000	90.000	179.658	11177.997	28.655	0.000	48.195	-0.000	28.655	0.000	0.000	48.242	40.068	-4.866	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16000.000	90.000	179.658	11177.997	29.009	0.000	48.534	-0.000	29.009	0.000	0.000	48.580	40.102	-4.773	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16100.000	90.000	179.658	11177.997	29.366	0.000	48.876	-0.000	29.366	0.000	0.000	48.922	40.137	-4.684	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16200.000	90.000	179.658	11177.997	29.725	0.000	49.224	-0.000	29.725	0.000	0.000	49.269	40.173	-4.599	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16300.000	90.000	179.658	11177.997	30.087	0.000	49.575	-0.000	30.087	0.000	0.000	49.620	40.209	-4.517	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16400.000	90.000	179.658	11177.997	30.452	0.000	49.931	-0.000	30.452	0.000	0.000	49.976	40.246	-4.438	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

16500.000	90.000	179.658	11177.997	30.819	0.000	50.291	-0.000	30.819	0.000	0.000	50.335	40.283	-4.361	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16600.000	90.000	179.658	11177.997	31.188	0.000	50.655	-0.000	31.188	0.000	0.000	50.699	40.321	-4.288	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16700.000	90.000	179.658	11177.997	31.559	0.000	51.023	-0.000	31.559	0.000	0.000	51.067	40.360	-4.217	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16800.000	90.000	179.658	11177.997	31.933	0.000	51.395	-0.000	31.933	0.000	0.000	51.439	40.399	-4.148	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16900.000	90.000	179.658	11177.997	32.309	0.000	51.771	-0.000	32.309	0.000	0.000	51.814	40.439	-4.082	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17000.000	90.000	179.658	11177.997	32.686	0.000	52.151	-0.000	32.686	0.000	0.000	52.194	40.480	-4.019	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17100.000	90.000	179.658	11177.997	33.066	0.000	52.534	-0.000	33.066	0.000	0.000	52.577	40.521	-3.957	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17200.000	90.000	179.658	11177.997	33.447	0.000	52.921	-0.000	33.447	0.000	0.000	52.964	40.563	-3.897	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17300.000	90.000	179.658	11177.997	33.830	0.000	53.312	-0.000	33.830	0.000	0.000	53.354	40.605	-3.839	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17400.000	90.000	179.658	11177.997	34.215	0.000	53.706	-0.000	34.215	0.000	0.000	53.747	40.648	-3.783	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17500.000	90.000	179.658	11177.997	34.602	0.000	54.103	-0.000	34.602	0.000	0.000	54.144	40.692	-3.729	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17600.000	90.000	179.658	11177.997	34.990	0.000	54.504	-0.000	34.990	0.000	0.000	54.545	40.736	-3.676	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17700.000	90.000	179.658	11177.997	35.380	0.000	54.908	-0.000	35.380	0.000	0.000	54.948	40.781	-3.626	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17800.000	90.000	179.658	11177.997	35.771	0.000	55.315	-0.000	35.771	0.000	0.000	55.355	40.826	-3.576	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17900.000	90.000	179.658	11177.997	36.164	0.000	55.725	-0.000	36.164	0.000	0.000	55.765	40.872	-3.528	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18000.000	90.000	179.658	11177.997	36.559	0.000	56.138	-0.000	36.559	0.000	0.000	56.178	40.919	-3.481	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18100.000	90.000	179.658	11177.997	36.954	0.000	56.554	-0.000	36.954	0.000	0.000	56.593	40.966	-3.436	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18200.000	90.000	179.658	11177.997	37.351	0.000	56.973	-0.000	37.351	0.000	0.000	57.012	41.014	-3.392	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18300.000	90.000	179.658	11177.997	37.750	0.000	57.395	-0.000	37.750	0.000	0.000	57.434	41.062	-3.349	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18400.000	90.000	179.658	11177.997	38.149	0.000	57.819	-0.000	38.149	0.000	0.000	57.858	41.111	-3.308	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18500.000	90.000	179.658	11177.997	38.550	0.000	58.247	-0.000	38.550	0.000	0.000	58.285	41.160	-3.267	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18600.000	90.000	179.658	11177.997	38.952	0.000	58.677	-0.000	38.952	0.000	0.000	58.714	41.210	-3.228	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18700.000	90.000	179.658	11177.997	39.355	0.000	59.109	-0.000	39.355	0.000	0.000	59.147	41.261	-3.190	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18800.000	90.000	179.658	11177.997	39.759	0.000	59.544	-0.000	39.759	0.000	0.000	59.581	41.312	-3.152	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18900.000	90.000	179.658	11177.997	40.164	0.000	59.982	-0.000	40.164	0.000	0.000	60.018	41.364	-3.116	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19000.000	90.000	179.658	11177.997	40.571	0.000	60.421	-0.000	40.571	0.000	0.000	60.458	41.417	-3.080	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19100.000	90.000	179.658	11177.997	40.978	0.000	60.864	-0.000	40.978	0.000	0.000	60.900	41.469	-3.046	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19200.000	90.000	179.658	11177.997	41.386	0.000	61.308	-0.000	41.386	0.000	0.000	61.344	41.523	-3.012	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19300.000	90.000	179.658	11177.997	41.795	0.000	61.755	-0.000	41.795	0.000	0.000	61.791	41.577	-2.979	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19400.000	90.000	179.658	11177.997	42.206	0.000	62.204	-0.000	42.206	0.000	0.000	62.240	41.632	-2.947	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19500.000	90.000	179.658	11177.997	42.617	0.000	62.655	-0.000	42.617	0.000	0.000	62.691	41.687	-2.916	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19600.000	90.000	179.658	11177.997	43.029	0.000	63.109	-0.000	43.029	0.000	0.000	63.144	41.743	-2.885	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19700.000	90.000	179.658	11177.997	43.441	0.000	63.564	-0.000	43.441	0.000	0.000	63.599	41.799	-2.855	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19800.000	90.000	179.658	11177.997	43.855	0.000	64.022	-0.000	43.855	0.000	0.000	64.056	41.856	-2.826	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

19900.000	90.000	179.658	11177.997	44.269	0.000	64.481	-0.000	44.269	0.000	0.000	64.515	41.913	-2.798	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20000.000	90.000	179.658	11177.997	44.685	0.000	64.943	-0.000	44.685	0.000	0.000	64.977	41.971	-2.770	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20100.000	90.000	179.658	11177.997	45.101	0.000	65.406	-0.000	45.101	0.000	0.000	65.440	42.030	-2.742	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20200.000	90.000	179.658	11177.997	45.517	0.000	65.871	-0.000	45.517	0.000	0.000	65.905	42.089	-2.716	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20300.000	90.000	179.658	11177.997	45.935	0.000	66.338	-0.000	45.935	0.000	0.000	66.371	42.148	-2.690	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20400.000	90.000	179.658	11177.997	46.353	0.000	66.807	-0.000	46.353	0.000	0.000	66.840	42.209	-2.664	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20500.000	90.000	179.658	11177.997	46.771	0.000	67.277	-0.000	46.771	0.000	0.000	67.310	42.269	-2.639	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20600.000	90.000	179.658	11177.997	47.191	0.000	67.750	-0.000	47.191	0.000	0.000	67.782	42.330	-2.615	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20700.000	90.000	179.658	11177.997	47.611	0.000	68.224	-0.000	47.611	0.000	0.000	68.256	42.392	-2.591	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20800.000	90.000	179.658	11177.997	48.032	0.000	68.699	-0.000	48.032	0.000	0.000	68.731	42.455	-2.567	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20900.000	90.000	179.658	11177.997	48.453	0.000	69.176	-0.000	48.453	0.000	0.000	69.208	42.517	-2.544	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21000.000	90.000	179.658	11177.997	48.875	0.000	69.655	-0.000	48.875	0.000	0.000	69.687	42.581	-2.522	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21100.000	90.000	179.658	11177.997	49.297	0.000	70.135	-0.000	49.297	0.000	0.000	70.167	42.645	-2.500	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21200.000	90.000	179.658	11177.997	49.720	0.000	70.617	-0.000	49.720	0.000	0.000	70.648	42.709	-2.478	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21300.000	90.000	179.658	11177.997	50.144	0.000	71.101	-0.000	50.144	0.000	0.000	71.132	42.774	-2.457	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21400.000	90.000	179.658	11177.997	50.568	0.000	71.585	-0.000	50.568	0.000	0.000	71.616	42.839	-2.436	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21500.000	90.000	179.658	11177.997	50.993	0.000	72.072	-0.000	50.993	0.000	0.000	72.102	42.905	-2.416	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21600.000	90.000	179.658	11177.997	51.418	0.000	72.559	-0.000	51.418	0.000	0.000	72.589	42.972	-2.396	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21700.000	90.000	179.658	11177.997	51.844	0.000	73.048	-0.000	51.844	0.000	0.000	73.078	43.039	-2.377	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21800.000	90.000	179.658	11177.997	52.270	0.000	73.538	-0.000	52.270	0.000	0.000	73.568	43.106	-2.357	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21900.000	90.000	179.658	11177.997	52.696	0.000	74.030	-0.000	52.696	0.000	0.000	74.060	43.174	-2.339	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22000.000	90.000	179.658	11177.997	53.123	0.000	74.523	-0.000	53.123	0.000	0.000	74.552	43.243	-2.320	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22100.000	90.000	179.658	11177.997	53.551	0.000	75.017	-0.000	53.551	0.000	0.000	75.046	43.311	-2.302	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22200.000	90.000	179.658	11177.997	53.979	0.000	75.513	-0.000	53.979	0.000	0.000	75.542	43.381	-2.284	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22300.000	90.000	179.658	11177.997	54.407	0.000	76.009	-0.000	54.407	0.000	0.000	76.038	43.451	-2.267	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22400.000	90.000	179.658	11177.997	54.836	0.000	76.507	-0.000	54.836	0.000	0.000	76.536	43.521	-2.249	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22500.000	90.000	179.658	11177.997	55.265	0.000	77.006	-0.000	55.265	0.000	0.000	77.034	43.592	-2.232	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22600.000	90.000	179.658	11177.997	55.695	0.000	77.506	-0.000	55.695	0.000	0.000	77.534	43.664	-2.216	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22700.000	90.000	179.658	11177.997	56.125	0.000	78.007	-0.000	56.125	0.000	0.000	78.035	43.736	-2.199	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22800.000	90.000	179.658	11177.997	56.555	0.000	78.510	-0.000	56.555	0.000	0.000	78.537	43.808	-2.183	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22900.000	90.000	179.658	11177.997	56.986	0.000	79.013	-0.000	56.986	0.000	0.000	79.041	43.881	-2.168	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23000.000	90.000	179.658	11177.997	57.417	0.000	79.517	-0.000	57.417	0.000	0.000	79.545	43.954	-2.152	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23100.000	90.000	179.658	11177.997	57.849	0.000	80.023	-0.000	57.849	0.000	0.000	80.050	44.028	-2.137	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23200.000	90.000	179.658	11177.997	58.280	0.000	80.529	-0.000	58.280	0.000	0.000	80.557	44.103	-2.122	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

23300.000	90.000	179.658	11177.997	58.713	0.000	81.037	-0.000	58.713	0.000	0.000	81.064	44.177	-2.107	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23400.000	90.000	179.658	11177.997	59.145	0.000	81.545	-0.000	59.145	0.000	0.000	81.572	44.253	-2.093	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23500.000	90.000	179.658	11177.997	59.578	0.000	82.055	-0.000	59.578	0.000	0.000	82.082	44.328	-2.079	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23600.000	90.000	179.658	11177.997	60.011	0.000	82.565	-0.000	60.011	0.000	0.000	82.592	44.405	-2.064	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23700.000	90.000	179.658	11177.997	60.444	0.000	83.077	-0.000	60.444	0.000	0.000	83.103	44.481	-2.051	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23800.000	90.000	179.658	11177.997	60.878	0.000	83.589	-0.000	60.878	0.000	0.000	83.615	44.558	-2.037	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23865.015	90.000	179.658	11177.997	61.160	0.000	83.922	-0.000	61.160	0.000	0.000	83.948	44.609	-2.028	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23900.000	90.000	179.658	11177.997	61.312	0.000	84.101	-0.000	61.312	0.000	0.000	84.127	44.636	-2.024	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23955.002	90.000	179.658	11177.997	61.551	0.000	84.383	-0.000	61.551	0.000	0.000	84.409	44.679	-2.017	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

Plan Targets Poker Lake Unit 22 DTD South 402H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 24	11300.81	440505.10	645519.10	7716.00	RECTANGLE
SHL 24	11536.57	440369.08	645119.97	7674.12	RECTANGLE
LTP 24	23864.99	427528.50	645596.60	7716.00	RECTANGLE
BHL 24	23954.99	427438.50	645597.50	7716.00	RECTANGLE

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMNM02862**
LOCATION:	Sec. 22, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 22 DTD 402H
SURFACE HOLE FOOTAGE:	233'/N & 1357'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 940'/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

 Approval Date: 10/04/2024

lead cement)

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

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

2. The minimum required fill of cement behind the **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 6498'**

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 10/3/2024
575-234-5998 / zstevens@blm.gov

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

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

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

Ignition of Gas source

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

Characteristics of H_2S and SO_2

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

Contacting Authorities

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

CARLSBAD OFFICE – EDDY & LEA COUNTIES

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

XTO PERSONNEL:

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

SHERIFF DEPARTMENTS:

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

NEW MEXICO STATE POLICE: 575-392-5588

FIRE DEPARTMENTS: 911

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

HOSPITALS: 911

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

AGENT NOTIFICATIONS:

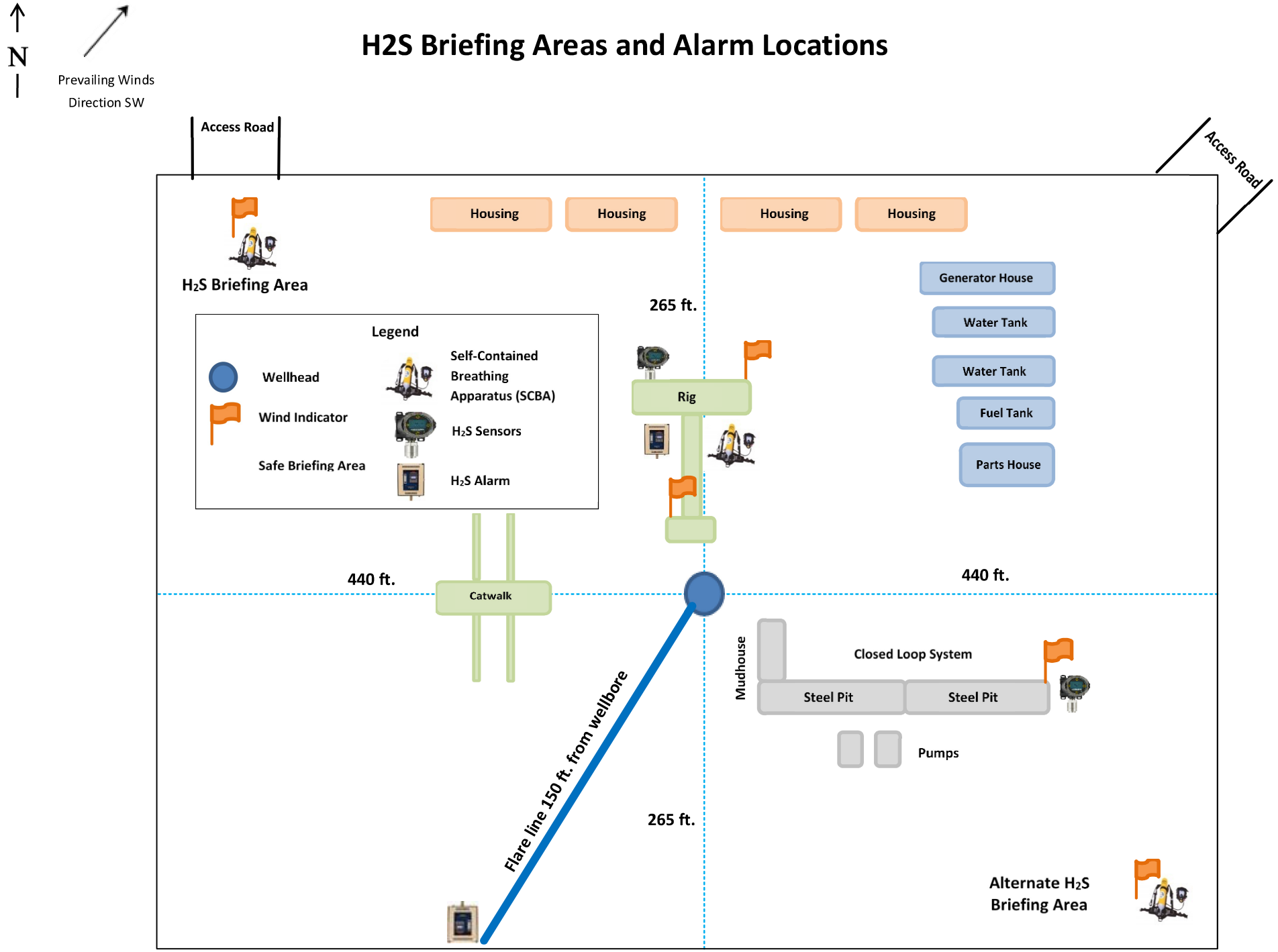
For Lea County:

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

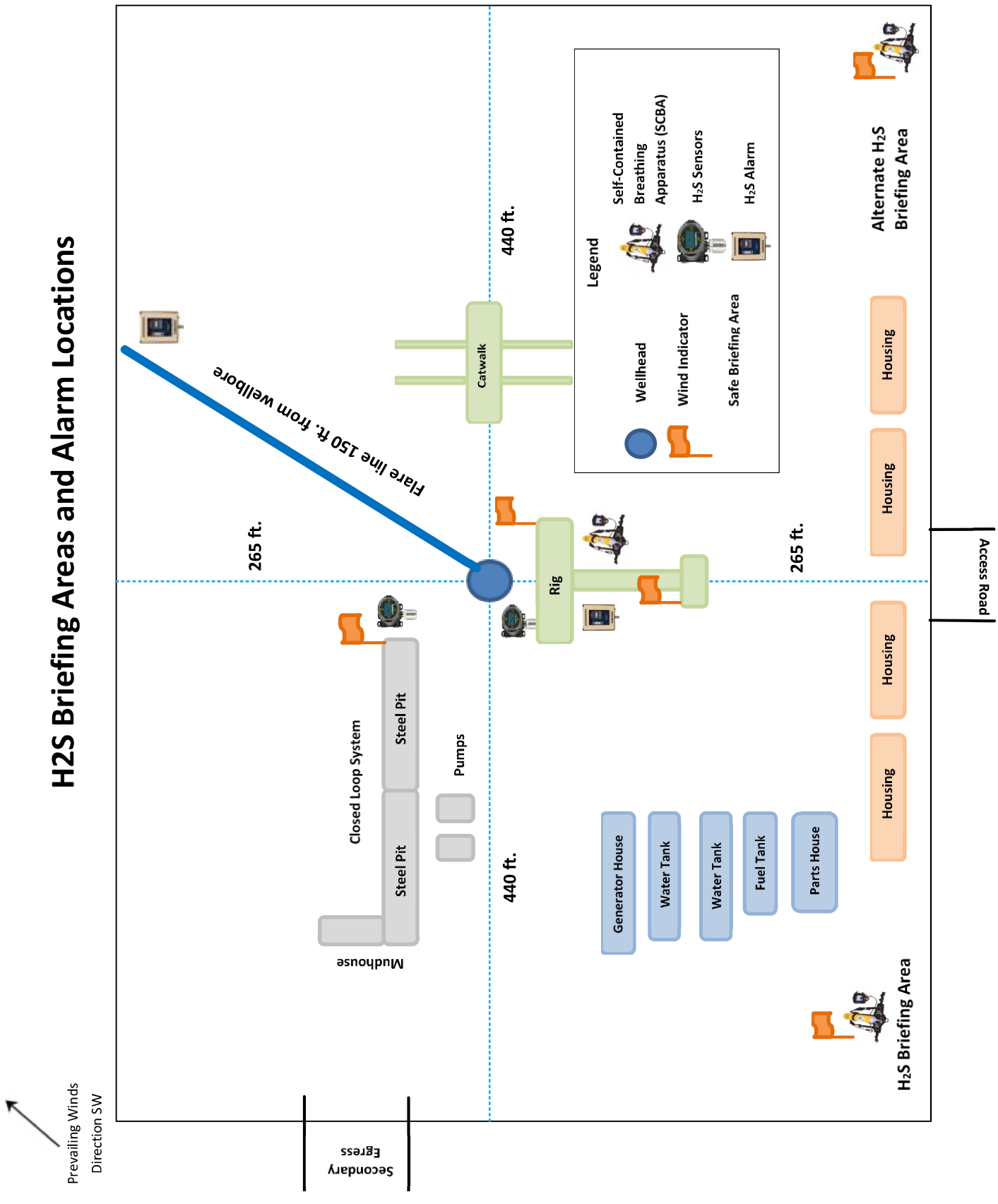
For Eddy County:

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

H2S Briefing Areas and Alarm Locations



H2S Briefing Areas and Alarm Locations



Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 402H

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

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

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

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

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

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

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

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

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

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

POKER_LAKE_UNIT_22_DTD_402H_Well_20240406165504.pdf

Comments: Multi-well pad.

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 402H

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** POKER LAKE UNIT 22 DTD

Multiple Well Pad Number: D

Recontouring

PLU_22_DTD_IR3_20240406165542.pdf

PLU_22_DTD_IR4_20240406165542.pdf

PLU_22_DTD_IR2_20240406165542.pdf

PLU_22_DTD_IR1_20240406165542.pdf

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

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

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

Disturbance Comments:

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

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

Soil treatment: A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation
<style isBold="true">Existing Vegetation at the well pad:</style> Soils are classified as Simona Gravelly Fine Sandy Loam and Simona-Bippus Complex. Simona soils are found on alluvial fans and plans and form in mixed alluvium and/or Aeolian sands. Bippus soils are found on alluvial fans and floodplains and form in mixed alluvium. The SimonaBippus soils are dominant to the east and the Simona Gravelly Fine Sandy Loams are dominant to the West. Dominant vegetation species include: mesquite, sumac snakeweed, and various forbs and grasses. Ground cover is minimal, offering 90 percent visibility
Existing Vegetation at the well pad

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 22 DTD **Well Number:** 402H

<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 SimonaBippus 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 SimonaBippus 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 SimonaBippus 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 391344

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 391344
	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