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.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

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

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

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-015-55954

3a. Address

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

10. Field and Pool, or Exploratory

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

At surface

At proposed prod. zone

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

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

12. County or Parish

13. State

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

24. Attachments

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

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

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

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 12/19/2024

INSTRUCTIONS

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

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

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

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

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

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

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

NOTICES

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

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

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

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

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

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

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

Approval Date: 12/19/2024

Additional Operator Remarks

Location of Well

0. SHL: SESE / 645 FSL / 547 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.212413 / LONG: -103.84473 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 1205 FEL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.210362 / LONG: -103.846866 (TVD: 12140 feet, MD: 12700 feet)

PPP: NENE / 0 FSL / 1180 FEL / TWSP: 24S / RANGE: 30E / SECTION: 26 / LAT: 32.196142 / LONG: -103.846843 (TVD: 12140 feet, MD: 18000 feet)

BHL: SENE / 2627 FNL / 1191 FEL / TWSP: 24S / RANGE: 30E / SECTION: 35 / LAT: 32.174402 / LONG: -103.846804 (TVD: 12140 feet, MD: 25061 feet)

BLM Point of Contact

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

Review and Appeal Rights

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

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

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-55954	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
325598	POKER LAKE UNIT 23 DTD	544H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC	3,443'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	14	24S	30E		645 FSL	547 FEL	32.212413	-103.844730	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	35	24S	30E		2,627 FNL	1,191 FEL	32.174402	-103.846804	EDDY

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

Order Numbers.

Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	14	24S	30E		645 FSL	547 FEL	32.212413	-103.844730	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	23	24S	30E		100 FNL	1,205 FEL	32.210362	-103.846866	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	35	24S	30E		2,537 FNL	1,192 FEL	32.174650	-103.846807	EDDY

Unitized Area or Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM105422429		3,443'

OPERATOR CERTIFICATIONS

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

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

Terra Sebastian — Signature

10/29/2024 — Date

Terra Sebastian — Printed Name

terra.b.sebastian@exxonmobil.com — Email Address

SURVEYOR CERTIFICATIONS

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

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786 — Certificate Number

10/28/2024 — Date of Survey

DN

618.013003.09-70

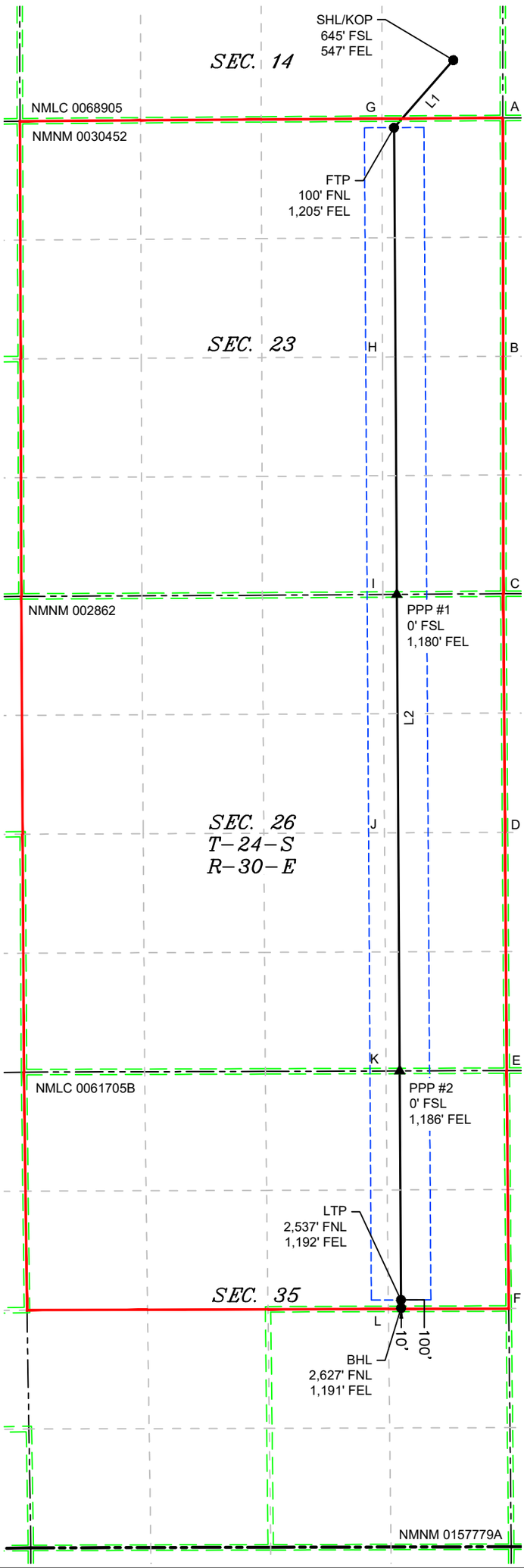
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\09 - PLU 23 DTD - EDDY\Wells\-70 - PLU 23 DTD - 544H\DWG\544H C-102.dwg

ACREAGE DEDICATION PLATS

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

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



LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	221°16'45"	996.45'
L2	179°39'24"	13,081.91'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			**SHL/KOP (NAD 27 NME)**		
Y =	441,353.2	N	Y =	441,294.2	N
X =	692,449.3	E	X =	651,265.5	E
LAT. =	32.212413	°N	LAT. =	32.212289	°N
LONG. =	103.844730	°W	LONG. =	103.844244	°W
FTP (NAD 83 NME)			**FTP (NAD 27 NME)**		
Y =	440,604.4	N	Y =	440,545.4	N
X =	691,791.9	E	X =	650,608.1	E
LAT. =	32.210362	°N	LAT. =	32.210238	°N
LONG. =	103.846866	°W	LONG. =	103.846380	°W
PPP #1 (NAD 83 NME)			**PPP #1 (NAD 27 NME)**		
Y =	435,431.4	N	Y =	435,372.5	N
X =	691,822.6	E	X =	650,638.7	E
LAT. =	32.196142	°N	LAT. =	32.196018	°N
LONG. =	103.846843	°W	LONG. =	103.846358	°W
PPP #2 (NAD 83 NME)			**PPP #2 (NAD 27 NME)**		
Y =	430,150.3	N	Y =	430,091.5	N
X =	691,854.0	E	X =	650,669.8	E
LAT. =	32.181625	°N	LAT. =	32.181501	°N
LONG. =	103.846819	°W	LONG. =	103.846334	°W
LTP (NAD 83 NME)			**LTP (NAD 27 NME)**		
Y =	427,612.7	N	Y =	427,554.0	N
X =	691,869.1	E	X =	650,684.8	E
LAT. =	32.174650	°N	LAT. =	32.174526	°N
LONG. =	103.846807	°W	LONG. =	103.846323	°W
BHL (NAD 83 NME)			**BHL (NAD 27 NME)**		
Y =	427,522.7	N	Y =	427,464.0	N
X =	691,870.3	E	X =	650,686.1	E
LAT. =	32.174402	°N	LAT. =	32.174278	°N
LONG. =	103.846804	°W	LONG. =	103.846320	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,711.4	N	A - X =	692,997.1	E
B - Y =	438,070.5	N	B - X =	693,001.3	E
C - Y =	435,439.4	N	C - X =	693,002.2	E
D - Y =	432,784.0	N	D - X =	690,347.4	E
E - Y =	430,154.0	N	E - X =	693,039.8	E
F - Y =	427,516.4	N	F - X =	693,061.9	E
G - Y =	440,703.6	N	G - X =	691,657.9	E
H - Y =	438,063.2	N	H - X =	691,663.1	E
I - Y =	435,430.3	N	I - X =	691,666.7	E
J - Y =	432,788.9	N	J - X =	691,684.1	E
K - Y =	430,149.6	N	K - X =	691,701.7	E
L - Y =	427,512.3	N	L - X =	691,727.9	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,652.4	N	A - X =	651,813.3	E
B - Y =	438,011.6	N	B - X =	651,817.4	E
C - Y =	435,380.5	N	C - X =	651,818.3	E
D - Y =	432,725.2	N	D - X =	649,163.4	E
E - Y =	430,095.2	N	E - X =	651,855.6	E
F - Y =	427,457.7	N	F - X =	651,877.6	E
G - Y =	440,644.6	N	G - X =	650,474.1	E
H - Y =	438,004.2	N	H - X =	650,479.3	E
I - Y =	435,371.5	N	I - X =	650,482.8	E
J - Y =	432,730.1	N	J - X =	650,500.1	E
K - Y =	430,090.8	N	K - X =	650,517.5	E
L - Y =	427,453.6	N	L - X =	650,543.6	E

DN 618.013003.09-70

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: ____XTO Permian Operating, LLC____ **OGRID:** _____373075_____ **Date:** __11__/_4___/__2024___

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

If Other, please describe: _____

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

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

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

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

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

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

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

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

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

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

VI. Separation Equipment:

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

VII. Operational Practices

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

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

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

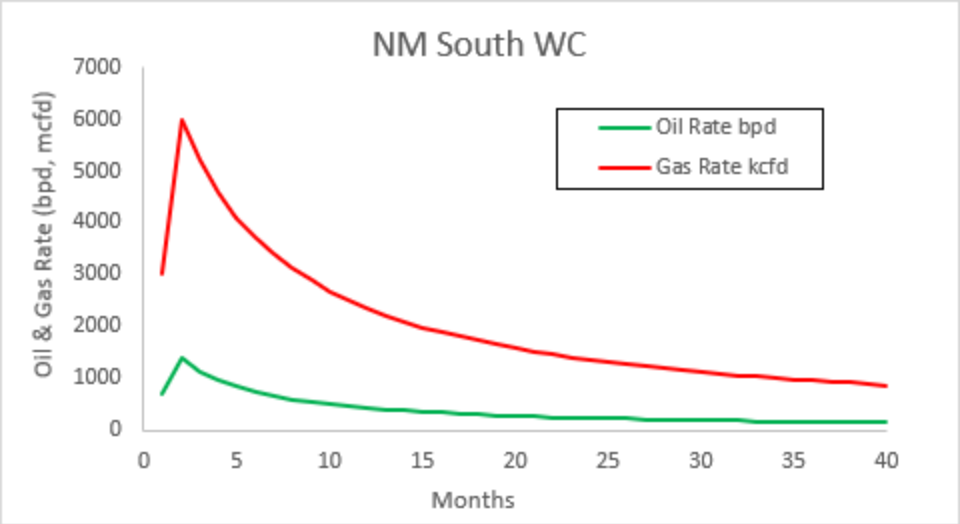
- During production operations, XTO Permian Operating LLC will take every practical effort to minimize waste of natural gas through venting and flaring by:

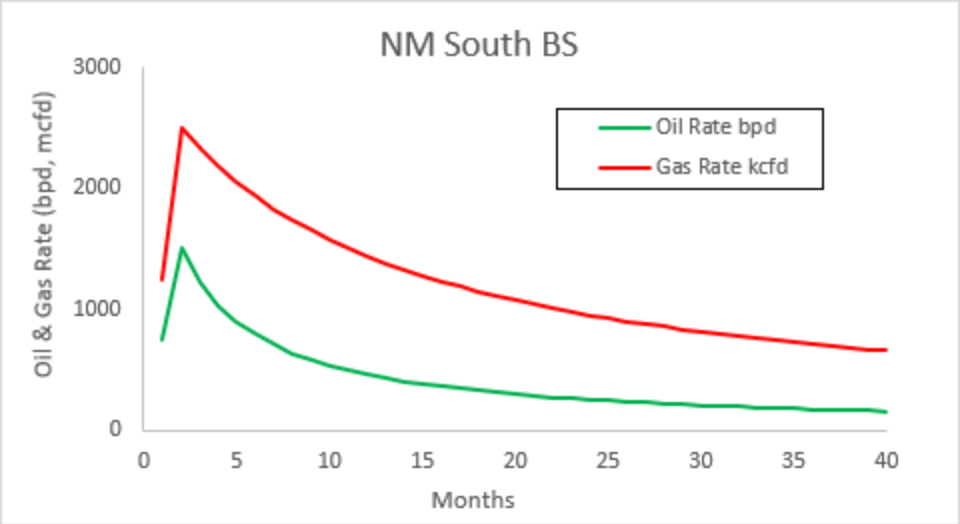
  - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
  - Utilizing a closed-loop capture system to collect, and route produced gas to sales line via low pressure compression, or to a flare/combustor
  - Flaring in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

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

VIII. Best Management Practices during Maintenance

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


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


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

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

Drilling Plan Data Report
12/20/2024

APD ID: 10400098061
Submission Date: 04/16/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 23 DTD
Well Number: 544H
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
14719604	QUATERNARY	3443	0	0	ALLUVIUM	USEABLE WATER	N
14719605	RUSTLER	2090	1353	1353	ANHYDRITE	USEABLE WATER	N
14719606	SALADO	1687	1756	1756	SALT	POTASH	N
14719607	BASE OF SALT	-506	3949	3949	SALT	POTASH	N
14719608	DELAWARE	-700	4143	4143	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719609	BRUSHY CANYON	-3206	6649	6649	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719610	BONE SPRING	-4495	7938	7938	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719611	BONE SPRING 1ST	-5266	8709	8709	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719612	BONE SPRING 2ND	-5868	9311	9311	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719613	BONE SPRING 3RD	-6635	10078	10078	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14719614	WOLFCAMP	-8577	12020	12020	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M
Rating Depth: 12140

Equipment: Once the permanent WH is installed on the surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril Annular and a 10M Triple Ram BOP. XTO will use a 4 string Slim Hole Multi-Bowl system which is attached.

Requesting Variance? YES

Variance request: A variance is requested to allow use of a flex hose: See Attached. XTO requests a variance to be able batch drill this well if necessary. XTO requests a Wild well control plan variance: See Attached. XTO requests a variance to utilize a spudder rig: See Attached.
Testing Procedure: All BOP testing will be done by an independent service company. Operator will test as per 43 CFR 3172

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Choke Diagram Attachment:

PLU_23_DTD_10MCM_20240414144557.pdf

BOP Diagram Attachment:

PLU_23_DTD_5M10MBOP_20240410151418.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1731	0	1731	3443	1712	1731	J-55	54.5	BUTT	1.49	2.85	DRY	9.64	DRY	9.64
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4049	0	4049	3446	-606	4049	J-55	40	BUTT	2.81	1.48	DRY	3.89	DRY	3.89
3	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	11224	0	11078	3446	-7635	11224	L-80	29.7	FJ	3.03	1.5	DRY	1.93	DRY	1.93
4	PRODUCTION	6.75	5.5	NEW	NON API	Y	0	25061	0	12140	3446	-8697	25061	P-110	20	OTHER - Freedom HTQ/Talon HTQ	1.53	1.05	DRY	5.43	DRY	5.43

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_544H_Csg_20241010195227.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_544H_Csg_20241010194717.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_23_DTD_544H_Csg_20241010195123.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_544H_Csg_20241010195120.pdf

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20240928090941.pdf
Talon___semiflush_5.5_production_casing_20240928090956.pdf

Tapered String Spec:

PLU_23_DTD_544H_Csg_20241010195009.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_544H_Csg_20241010195007.pdf

Section 4 - Cement

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1731	1490	1.33	12.8	1981.7	100	EconoCem-HLTRRC	NA
SURFACE	Tail		0	1731	310	1.33	14.8	412.3	100	Class C	2% CaCl
INTERMEDIATE	Lead		0	4049	850	2.06	14.8	1751	100	Class C	NA
INTERMEDIATE	Tail		0	4049	60	2.06	15.6	123.6	100	Class C	2% CaCl
INTERMEDIATE	Lead		3749	6649	480	1.27	14.8	609.6	100	Class C	NA
INTERMEDIATE	Tail		6649	11224	130	2.77	14.8	360.1	100	Class C	NA
PRODUCTION	Lead		10924	11570	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		11570	25061	850	1.51	13.2	1283.5	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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

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
11224	25061	OIL-BASED MUD	11.5	12							
4049	11224	OTHER : BDE/OBM	8.8	9.3							
0	1731	WATER-BASED MUD	8.4	8.9							
1731	4049	SALT SATURATED	10.5	11							

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: 7575 **Anticipated Surface Pressure:** 4904

Anticipated Bottom Hole Temperature(F): 205

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240928090720.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU_23_DTD_544H_DD_20240414125442.pdf

Other proposed operations facets description:

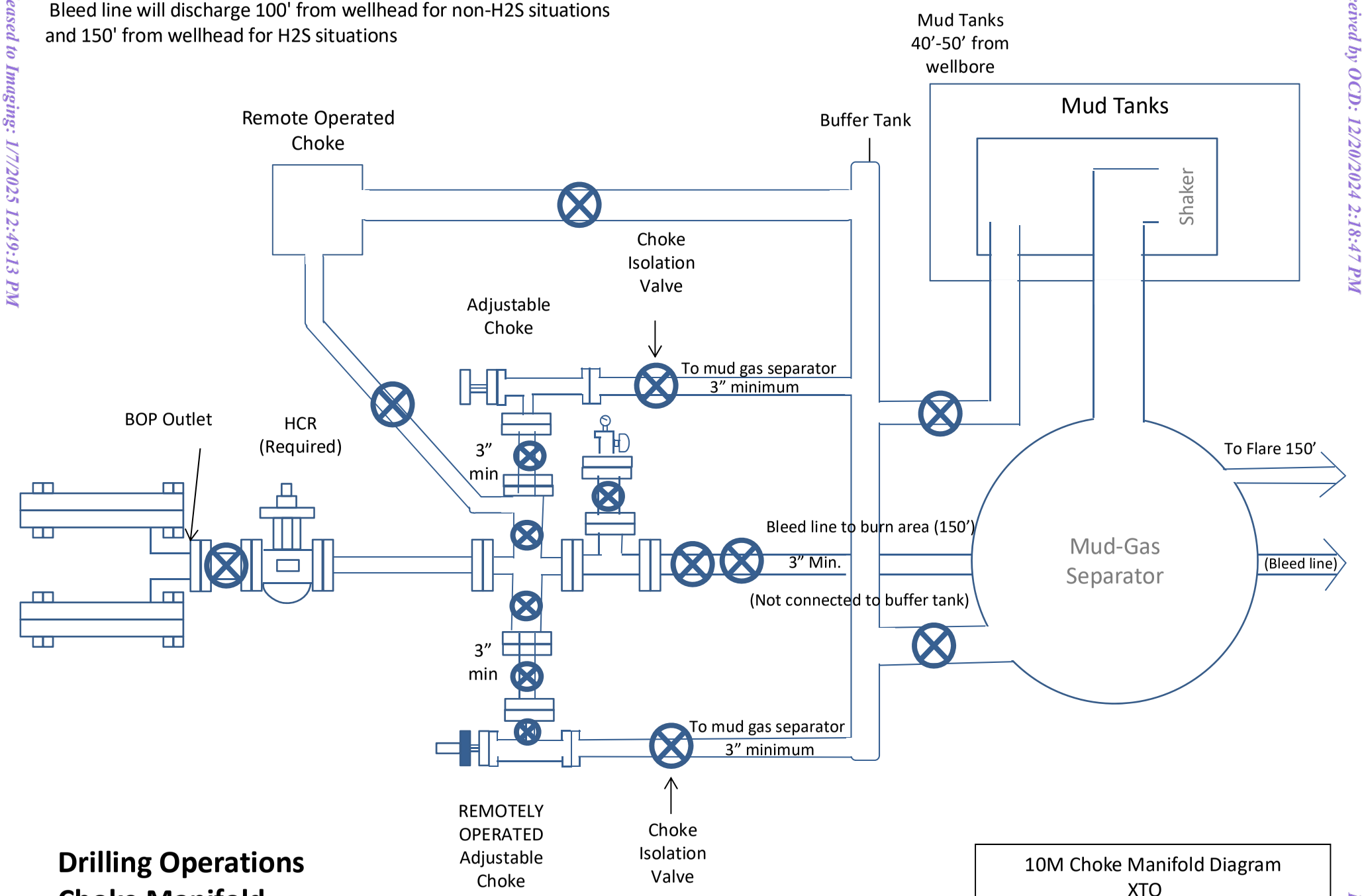
Other proposed operations facets attachment:

PLU_23_DTD_544H_Cmt_20240414134359.pdf
13.375_9.625_7.625_5.5_4_String_Slimhole_SDT_3301_1_20240928091526.pdf
PLU_23_DTD_H2S_DiaC_20241008065532.pdf
PLU_23_DTD_H2S_DiaD_20241008065532.pdf
PLU_23_DTD_H2S_DiaA_20241008065532.pdf
PLU_23_DTD_GCP_20241021091915.pdf

Other Variance attachment:

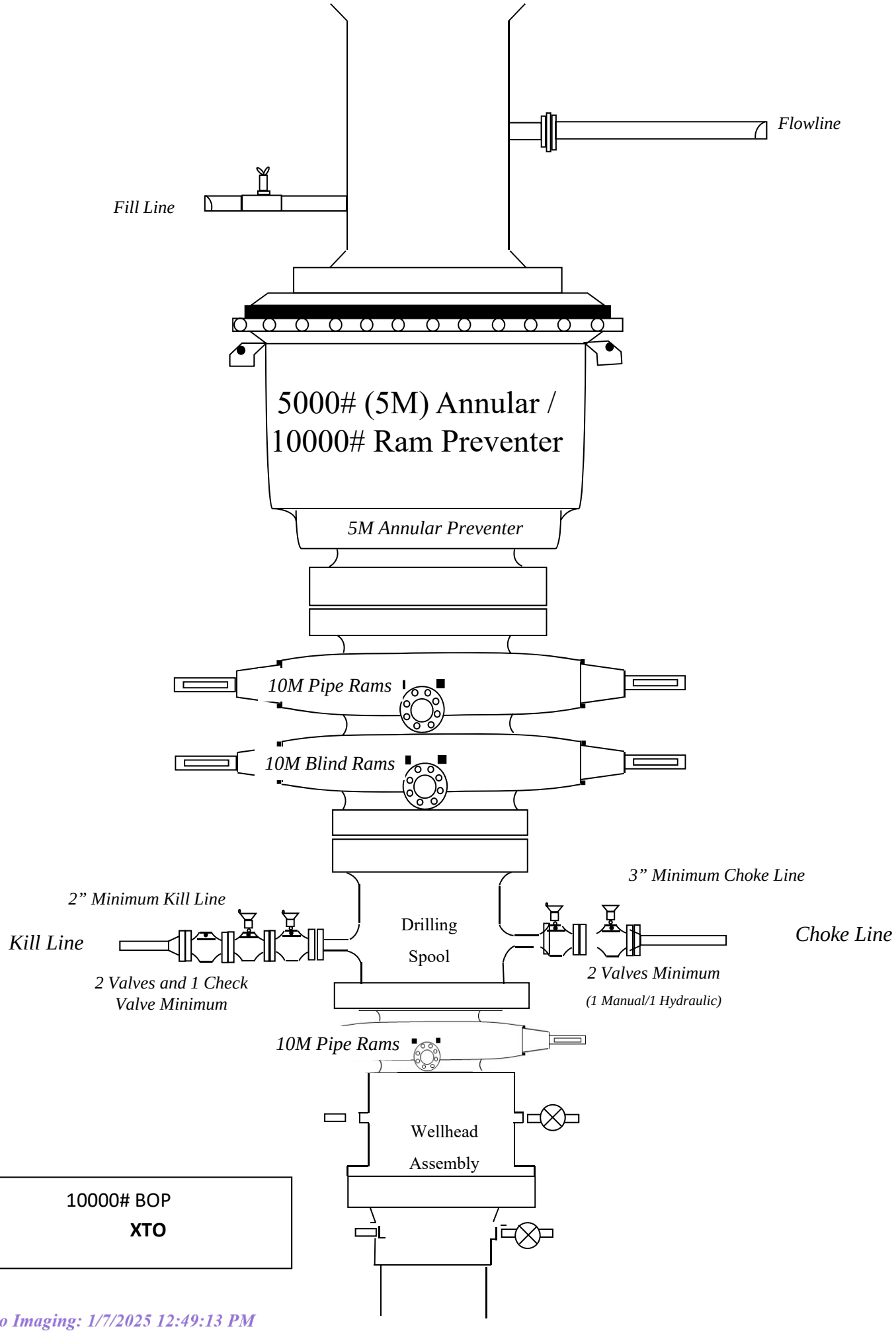
Wild_Well_Control_Plan_10M_Annular_BOP_Variance_20240928091631.pdf
Updated_Flex_Hose_20240928091646.pdf
Spudder_Rig_Request_20240928091654.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240928091705.pdf

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



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO



10000# BOP

XTO

U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

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

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

Notes

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

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

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

U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

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

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

Notes

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

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

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

Casing Assumptions

Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1731'	13.375	54.5	J-55	BTC	New	2.85	1.49	9.64
12.25	0' – 4049'	9.625	40	J-55	BTC	New	1.48	2.81	3.89
8.75	0' – 4149'	7.625	29.7	RY P-110	Flush Joint	New	2.06	2.82	1.67
8.75	4149' – 11224'	7.625	29.7	HC L-80	Flush Joint	New	1.50	3.03	1.93
6.75	0' – 11124'	5.5	20	RY P-110	Freedom HTQ	New	1.05	1.67	1.88
6.75	11124' - 25061'	5.5	20	RY P-110	Talon HTQ	New	1.05	1.53	5.43

Well Plan Report - Poker Lake Unit 23 DTD South 544H

Measured Depth:	25060.81 ft
TVD RKB:	12140.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	441294.20 ft
Easting:	651265.50 ft
RKB:	3475.00 ft
Ground Level:	3443.00 ft
North Reference:	Grid
Convergence Angle:	0.26 Deg

Plan Sections Poker Lake Unit 23 DTD South 544H

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	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
4929.62	18.59	221.28	4913.39	-112.36	-98.64	2.00	0.00	2.00	
7117.00	18.59	221.28	6986.61	-636.44	-558.76	0.00	0.00	0.00	
8046.62	0.00	0.00	7900.00	-748.80	-657.40	-2.00	0.00	2.00	
11570.42	0.00	0.00	11423.80	-748.80	-657.40	0.00	0.00	0.00	
12695.42	90.00	179.66	12140.00	-1464.98	-653.18	8.00	0.00	8.00	
24970.82	90.00	179.66	12140.00	-13740.17	-580.76	0.00	0.00	0.00	LTP 21
25060.81	90.00	179.66	12140.00	-13830.16	-580.23	0.00	0.00	0.00	BHL 21

Position Uncertainty Poker Lake Unit 23 DTD South 544H

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_23
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_23
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_23
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_23
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_23
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_23
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_23
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_23
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.487	0.000	0.000	2.868	2.689	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
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_23
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_23
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_23
1200.000	0.000	0.000	1200.000	4.302	0.000	4.122	0.000	2.693	0.000	0.000	4.302	4.122	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1300.000	0.000	0.000	1300.000	4.660	0.000	4.481	0.000	2.753	0.000	0.000	4.660	4.481	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1400.000	0.000	0.000	1400.000	5.019	0.000	4.839	0.000	2.816	0.000	0.000	5.019	4.839	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1500.000	0.000	0.000	1500.000	5.377	0.000	5.198	0.000	2.881	0.000	0.000	5.377	5.198	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1600.000	0.000	0.000	1600.000	5.736	0.000	5.556	0.000	2.949	0.000	0.000	5.736	5.556	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1700.000	0.000	0.000	1700.000	6.094	0.000	5.915	0.000	3.018	0.000	0.000	6.094	5.915	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1800.000	0.000	0.000	1800.000	6.452	0.000	6.273	0.000	3.090	0.000	0.000	6.452	6.273	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1900.000	0.000	0.000	1900.000	6.811	0.000	6.632	0.000	3.164	0.000	0.000	6.811	6.632	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2000.000	0.000	0.000	2000.000	7.169	0.000	6.990	0.000	3.239	0.000	0.000	7.169	6.990	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2100.000	0.000	0.000	2100.000	7.528	0.000	7.349	0.000	3.317	0.000	0.000	7.528	7.349	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2200.000	0.000	0.000	2200.000	7.886	0.000	7.707	0.000	3.395	0.000	0.000	7.886	7.707	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2300.000	0.000	0.000	2300.000	8.245	0.000	8.066	0.000	3.476	0.000	0.000	8.245	8.066	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2400.000	0.000	0.000	2400.000	8.603	0.000	8.424	0.000	3.557	0.000	0.000	8.603	8.424	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2500.000	0.000	0.000	2500.000	8.962	0.000	8.783	0.000	3.640	0.000	0.000	8.962	8.783	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2600.000	0.000	0.000	2600.000	9.320	0.000	9.141	0.000	3.725	0.000	0.000	9.320	9.141	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2700.000	0.000	0.000	2700.000	9.679	0.000	9.499	0.000	3.811	0.000	0.000	9.679	9.499	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2800.000	0.000	0.000	2800.000	10.037	0.000	9.858	0.000	3.898	0.000	0.000	10.037	9.858	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2900.000	0.000	0.000	2900.000	10.396	0.000	10.216	0.000	3.986	0.000	0.000	10.396	10.216	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3000.000	0.000	0.000	3000.000	10.754	0.000	10.575	0.000	4.076	0.000	0.000	10.754	10.575	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3100.000	0.000	0.000	3100.000	11.113	0.000	10.933	0.000	4.167	0.000	0.000	11.113	10.933	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3200.000	0.000	0.000	3200.000	11.471	0.000	11.292	0.000	4.259	0.000	0.000	11.471	11.292	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3300.000	0.000	0.000	3300.000	11.830	0.000	11.650	0.000	4.352	0.000	0.000	11.830	11.650	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

3400.000	0.000	0.000	3400.000	12.188	0.000	12.009	0.000	4.447	0.000	0.000	12.188	12.009	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3500.000	0.000	0.000	3500.000	12.547	0.000	12.367	0.000	4.543	0.000	0.000	12.547	12.367	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3600.000	0.000	0.000	3600.000	12.905	0.000	12.726	0.000	4.641	0.000	0.000	12.905	12.726	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3700.000	0.000	0.000	3700.000	13.263	0.000	13.084	0.000	4.740	0.000	0.000	13.263	13.084	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3800.000	0.000	0.000	3800.000	13.622	0.000	13.443	0.000	4.840	0.000	0.000	13.622	13.443	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3900.000	0.000	0.000	3900.000	13.980	0.000	13.801	0.000	4.941	0.000	0.000	13.980	13.801	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4000.000	0.000	0.000	4000.000	14.339	0.000	14.160	0.000	5.045	0.000	0.000	14.339	14.160	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4100.000	2.000	221.281	4099.980	14.596	-0.000	14.580	0.000	5.149	0.000	0.000	14.682	14.501	89.982	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4200.000	4.000	221.281	4199.838	14.899	-0.000	14.907	0.000	5.254	0.000	0.000	15.010	14.827	89.944	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4300.000	6.000	221.281	4299.452	15.186	-0.000	15.235	0.000	5.359	0.000	0.000	15.339	15.153	89.790	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4400.000	8.000	221.281	4398.702	15.457	-0.000	15.564	0.000	5.464	0.000	0.000	15.669	15.478	89.434	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4500.000	10.000	221.281	4497.465	15.711	-0.000	15.893	0.000	5.570	0.000	0.000	16.000	15.803	88.801	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4600.000	12.000	221.281	4595.623	15.948	-0.000	16.223	0.000	5.678	0.000	0.000	16.330	16.126	87.823	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4700.000	14.000	221.281	4693.055	16.167	-0.000	16.554	0.000	5.786	0.000	0.000	16.660	16.448	86.439	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4800.000	16.000	221.281	4789.643	16.367	-0.000	16.886	0.000	5.896	0.000	0.000	16.989	16.769	84.606	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4900.000	18.000	221.281	4885.268	16.549	-0.000	17.219	0.000	6.008	0.000	0.000	17.318	17.087	82.296	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4929.620	18.592	221.281	4913.391	16.599	-0.000	17.318	0.000	6.039	0.000	0.000	17.416	17.182	81.692	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5000.000	18.592	221.281	4980.098	16.827	-0.000	17.554	0.000	6.125	0.000	0.000	17.647	17.403	79.634	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5100.000	18.592	221.281	5074.879	17.153	-0.000	17.892	0.000	6.252	0.000	0.000	17.979	17.720	76.694	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5200.000	18.592	221.281	5169.660	17.481	-0.000	18.235	0.000	6.382	0.000	0.000	18.315	18.037	73.922	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5300.000	18.592	221.281	5264.441	17.810	-0.000	18.580	0.000	6.516	0.000	0.000	18.654	18.356	71.342	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5400.000	18.592	221.281	5359.222	18.141	-0.000	18.928	0.000	6.653	0.000	0.000	18.997	18.676	68.964	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5500.000	18.592	221.281	5454.003	18.473	-0.000	19.280	0.000	6.792	0.000	0.000	19.343	18.997	66.788	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5600.000	18.592	221.281	5548.784	18.807	-0.000	19.634	0.000	6.935	0.000	0.000	19.693	19.319	64.807	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5700.000	18.592	221.281	5643.565	19.142	-0.000	19.990	0.000	7.081	0.000	0.000	20.045	19.642	63.009	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5800.000	18.592	221.281	5738.346	19.479	-0.000	20.349	0.000	7.230	0.000	0.000	20.400	19.966	61.380	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5900.000	18.592	221.281	5833.127	19.817	-0.000	20.710	0.000	7.381	0.000	0.000	20.757	20.291	59.904	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6000.000	18.592	221.281	5927.909	20.156	-0.000	21.074	0.000	7.536	0.000	0.000	21.117	20.616	58.566	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6100.000	18.592	221.281	6022.690	20.496	-0.000	21.439	0.000	7.693	0.000	0.000	21.480	20.943	57.352	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6200.000	18.592	221.281	6117.471	20.837	-0.000	21.806	0.000	7.853	0.000	0.000	21.844	21.270	56.248	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6300.000	18.592	221.281	6212.252	21.179	-0.000	22.176	0.000	8.015	0.000	0.000	22.211	21.598	55.242	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6400.000	18.592	221.281	6307.033	21.523	-0.000	22.547	0.000	8.180	0.000	0.000	22.579	21.927	54.322	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6500.000	18.592	221.281	6401.814	21.867	-0.000	22.919	0.000	8.348	0.000	0.000	22.950	22.257	53.480	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6600.000	18.592	221.281	6496.595	22.212	-0.000	23.294	0.000	8.518	0.000	0.000	23.322	22.587	52.707	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6700.000	18.592	221.281	6591.376	22.558	-0.000	23.669	0.000	8.691	0.000	0.000	23.696	22.918	51.996	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

6800.000	18.592	221.281	6686.157	22.904	-0.000	24.047	0.000	8.867	0.000	0.000	24.071	23.250	51.339	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6900.000	18.592	221.281	6780.938	23.252	-0.000	24.425	0.000	9.045	0.000	0.000	24.448	23.583	50.732	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7000.000	18.592	221.281	6875.719	23.600	-0.000	24.805	0.000	9.225	0.000	0.000	24.827	23.916	50.169	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7100.000	18.592	221.281	6970.500	23.949	-0.000	25.187	0.000	9.408	0.000	0.000	25.206	24.250	49.646	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7116.996	18.592	221.281	6986.609	24.008	-0.000	25.251	0.000	9.440	0.000	0.000	25.271	24.307	49.562	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7200.000	16.932	221.281	7065.654	24.416	-0.000	25.567	0.000	9.595	0.000	0.000	25.586	24.585	49.173	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7300.000	14.932	221.281	7161.807	24.886	-0.000	25.946	0.000	9.785	0.000	0.000	25.963	24.924	48.773	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7400.000	12.932	221.281	7258.861	25.330	-0.000	26.321	0.000	9.973	0.000	0.000	26.337	25.267	48.440	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7500.000	10.932	221.281	7356.695	25.748	-0.000	26.692	0.000	10.161	0.000	0.000	26.707	25.612	48.162	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7600.000	8.932	221.281	7455.191	26.138	-0.000	27.058	0.000	10.347	0.000	0.000	27.073	25.960	47.928	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7700.000	6.932	221.281	7554.229	26.500	-0.000	27.420	0.000	10.531	0.000	0.000	27.434	26.308	47.731	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7800.000	4.932	221.281	7653.689	26.833	-0.000	27.777	0.000	10.714	0.000	0.000	27.790	26.657	47.563	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7900.000	2.932	221.281	7753.448	27.136	-0.000	28.129	0.000	10.896	0.000	0.000	28.142	27.005	47.419	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8000.000	0.932	221.281	7853.386	27.409	-0.000	28.476	0.000	11.076	0.000	0.000	28.488	27.352	47.293	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8046.616	0.000	0.000	7900.000	28.131	0.000	28.040	0.000	11.159	0.000	0.000	28.647	27.513	47.311	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8100.000	0.000	0.000	7953.384	28.315	0.000	28.220	0.000	11.254	0.000	0.000	28.827	27.697	47.413	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8200.000	0.000	0.000	8053.384	28.660	0.000	28.558	0.000	11.436	0.000	0.000	29.165	28.042	47.603	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8300.000	0.000	0.000	8153.384	29.005	0.000	28.897	0.000	11.620	0.000	0.000	29.504	28.388	47.791	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8400.000	0.000	0.000	8253.384	29.351	0.000	29.236	0.000	11.807	0.000	0.000	29.843	28.734	47.977	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8500.000	0.000	0.000	8353.384	29.697	0.000	29.576	0.000	11.997	0.000	0.000	30.183	29.080	48.161	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8600.000	0.000	0.000	8453.384	30.043	0.000	29.916	0.000	12.190	0.000	0.000	30.523	29.426	48.342	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8700.000	0.000	0.000	8553.384	30.390	0.000	30.256	0.000	12.386	0.000	0.000	30.863	29.773	48.521	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8800.000	0.000	0.000	8653.384	30.736	0.000	30.597	0.000	12.585	0.000	0.000	31.204	30.120	48.699	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8900.000	0.000	0.000	8753.384	31.083	0.000	30.938	0.000	12.788	0.000	0.000	31.545	30.467	48.874	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9000.000	0.000	0.000	8853.384	31.431	0.000	31.280	0.000	12.993	0.000	0.000	31.887	30.814	49.047	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9100.000	0.000	0.000	8953.384	31.778	0.000	31.622	0.000	13.201	0.000	0.000	32.229	31.162	49.219	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9200.000	0.000	0.000	9053.384	32.126	0.000	31.964	0.000	13.413	0.000	0.000	32.572	31.510	49.388	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9300.000	0.000	0.000	9153.384	32.474	0.000	32.307	0.000	13.627	0.000	0.000	32.915	31.858	49.555	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9400.000	0.000	0.000	9253.384	32.822	0.000	32.650	0.000	13.845	0.000	0.000	33.258	32.206	49.721	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9500.000	0.000	0.000	9353.384	33.171	0.000	32.993	0.000	14.065	0.000	0.000	33.601	32.555	49.884	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9600.000	0.000	0.000	9453.384	33.520	0.000	33.337	0.000	14.289	0.000	0.000	33.945	32.903	50.046	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9700.000	0.000	0.000	9553.384	33.868	0.000	33.681	0.000	14.516	0.000	0.000	34.289	33.252	50.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9800.000	0.000	0.000	9653.384	34.217	0.000	34.025	0.000	14.746	0.000	0.000	34.634	33.601	50.364	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9900.000	0.000	0.000	9753.384	34.567	0.000	34.370	0.000	14.979	0.000	0.000	34.979	33.951	50.520	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10000.000	0.000	0.000	9853.384	34.916	0.000	34.715	0.000	15.215	0.000	0.000	35.324	34.300	50.674	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

10100.000	0.000	0.000	9953.384	35.266	0.000	35.060	0.000	15.454	0.000	0.000	35.669	34.650	50.827	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10200.000	0.000	0.000	10053.384	35.616	0.000	35.405	0.000	15.696	0.000	0.000	36.015	34.999	50.978	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10300.000	0.000	0.000	10153.384	35.966	0.000	35.751	0.000	15.942	0.000	0.000	36.360	35.349	51.127	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10400.000	0.000	0.000	10253.384	36.316	0.000	36.097	0.000	16.191	0.000	0.000	36.707	35.699	51.274	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10500.000	0.000	0.000	10353.384	36.666	0.000	36.443	0.000	16.442	0.000	0.000	37.053	36.050	51.420	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10600.000	0.000	0.000	10453.384	37.017	0.000	36.789	0.000	16.697	0.000	0.000	37.400	36.400	51.564	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10700.000	0.000	0.000	10553.384	37.367	0.000	37.136	0.000	16.955	0.000	0.000	37.746	36.751	51.707	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10800.000	0.000	0.000	10653.384	37.718	0.000	37.483	0.000	17.216	0.000	0.000	38.093	37.101	51.847	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10900.000	0.000	0.000	10753.384	38.069	0.000	37.830	0.000	17.481	0.000	0.000	38.441	37.452	51.987	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11000.000	0.000	0.000	10853.384	38.420	0.000	38.177	0.000	17.748	0.000	0.000	38.788	37.803	52.124	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11100.000	0.000	0.000	10953.384	38.771	0.000	38.525	0.000	18.019	0.000	0.000	39.136	38.154	52.260	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11200.000	0.000	0.000	11053.384	39.122	0.000	38.872	0.000	18.292	0.000	0.000	39.484	38.505	52.395	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11300.000	0.000	0.000	11153.384	39.474	0.000	39.220	0.000	18.569	0.000	0.000	39.832	38.856	52.528	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11400.000	0.000	0.000	11253.384	39.825	0.000	39.568	0.000	18.849	0.000	0.000	40.180	39.208	52.659	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11500.000	0.000	0.000	11353.384	40.177	0.000	39.917	0.000	19.132	0.000	0.000	40.529	39.559	52.789	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11570.416	0.000	0.000	11423.800	40.425	0.000	40.162	0.000	19.334	0.000	0.000	40.774	39.807	52.880	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11600.000	2.367	179.662	11453.376	40.581	0.000	40.258	-0.000	19.419	0.000	0.000	40.876	39.909	52.877	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11700.000	10.367	179.662	11552.678	40.685	0.000	40.599	-0.000	19.709	0.000	0.000	41.211	40.247	52.660	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11800.000	18.367	179.662	11649.472	40.181	0.000	40.939	-0.000	19.994	0.000	0.000	41.544	40.580	52.238	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11900.000	26.367	179.662	11741.874	39.087	0.000	41.273	-0.000	20.269	0.000	0.000	41.866	40.900	51.398	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12000.000	34.367	179.662	11828.085	37.448	0.000	41.597	-0.000	20.527	0.000	0.000	42.169	41.199	49.987	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12100.000	42.367	179.662	11906.426	35.331	0.000	41.906	-0.000	20.764	0.000	0.000	42.449	41.469	47.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12200.000	50.367	179.662	11975.374	32.836	0.000	42.197	-0.000	20.976	0.000	0.000	42.705	41.703	45.221	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12300.000	58.367	179.662	12033.586	30.103	0.000	42.466	-0.000	21.163	0.000	0.000	42.936	41.895	42.063	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12400.000	66.367	179.662	12079.930	27.323	0.000	42.709	-0.000	21.322	0.000	0.000	43.144	42.042	38.747	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12500.000	74.367	179.662	12113.502	24.757	0.000	42.925	-0.000	21.457	0.000	0.000	43.330	42.144	35.630	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12600.000	82.367	179.662	12133.651	22.738	0.000	43.109	-0.000	21.567	0.000	0.000	43.494	42.206	33.010	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12695.416	90.000	179.662	12139.997	21.653	0.000	43.253	-0.000	21.653	0.000	0.000	43.628	42.235	31.149	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12700.000	90.000	179.662	12139.997	21.657	0.000	43.258	-0.000	21.657	0.000	0.000	43.634	42.236	31.089	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12800.000	90.000	179.662	12139.997	21.743	0.000	43.398	-0.000	21.743	0.000	0.000	43.768	42.254	29.490	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12900.000	90.000	179.662	12139.997	21.838	0.000	43.548	-0.000	21.838	0.000	0.000	43.912	42.272	27.974	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13000.000	90.000	179.662	12139.997	21.942	0.000	43.709	-0.000	21.942	0.000	0.000	44.066	42.291	26.544	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13100.000	90.000	179.662	12139.997	22.055	0.000	43.881	-0.000	22.055	0.000	0.000	44.231	42.312	25.202	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13200.000	90.000	179.662	12139.997	22.177	0.000	44.062	-0.000	22.177	0.000	0.000	44.406	42.332	23.946	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13300.000	90.000	179.662	12139.997	22.307	0.000	44.254	-0.000	22.307	0.000	0.000	44.591	42.354	22.774	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

13400.000	90.000	179.662	12139.997	22.446	0.000	44.455	-0.000	22.446	0.000	0.000	44.786	42.376	21.682	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13500.000	90.000	179.662	12139.997	22.593	0.000	44.667	-0.000	22.593	0.000	0.000	44.991	42.398	20.665	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13600.000	90.000	179.662	12139.997	22.748	0.000	44.888	-0.000	22.748	0.000	0.000	45.207	42.421	19.719	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13700.000	90.000	179.662	12139.997	22.911	0.000	45.119	-0.000	22.911	0.000	0.000	45.432	42.445	18.838	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13800.000	90.000	179.662	12139.997	23.082	0.000	45.359	-0.000	23.082	0.000	0.000	45.666	42.469	18.019	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13900.000	90.000	179.662	12139.997	23.260	0.000	45.609	-0.000	23.260	0.000	0.000	45.910	42.493	17.255	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14000.000	90.000	179.662	12139.997	23.446	0.000	45.868	-0.000	23.446	0.000	0.000	46.164	42.518	16.544	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14100.000	90.000	179.662	12139.997	23.640	0.000	46.135	-0.000	23.640	0.000	0.000	46.426	42.544	15.880	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14200.000	90.000	179.662	12139.997	23.840	0.000	46.412	-0.000	23.840	0.000	0.000	46.698	42.570	15.260	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14300.000	90.000	179.662	12139.997	24.047	0.000	46.697	-0.000	24.047	0.000	0.000	46.978	42.596	14.680	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14400.000	90.000	179.662	12139.997	24.261	0.000	46.991	-0.000	24.261	0.000	0.000	47.268	42.623	14.137	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14500.000	90.000	179.662	12139.997	24.482	0.000	47.293	-0.000	24.482	0.000	0.000	47.565	42.650	13.628	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14600.000	90.000	179.662	12139.997	24.709	0.000	47.603	-0.000	24.709	0.000	0.000	47.871	42.678	13.151	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14700.000	90.000	179.662	12139.997	24.942	0.000	47.922	-0.000	24.942	0.000	0.000	48.185	42.707	12.702	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14800.000	90.000	179.662	12139.997	25.181	0.000	48.248	-0.000	25.181	0.000	0.000	48.508	42.736	12.280	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14900.000	90.000	179.662	12139.997	25.426	0.000	48.582	-0.000	25.426	0.000	0.000	48.838	42.766	11.882	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15000.000	90.000	179.662	12139.997	25.677	0.000	48.923	-0.000	25.677	0.000	0.000	49.175	42.796	11.506	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15100.000	90.000	179.662	12139.997	25.934	0.000	49.272	-0.000	25.934	0.000	0.000	49.521	42.827	11.152	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15200.000	90.000	179.662	12139.997	26.195	0.000	49.629	-0.000	26.195	0.000	0.000	49.873	42.858	10.816	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15300.000	90.000	179.662	12139.997	26.462	0.000	49.992	-0.000	26.462	0.000	0.000	50.233	42.890	10.499	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15400.000	90.000	179.662	12139.997	26.734	0.000	50.362	-0.000	26.734	0.000	0.000	50.600	42.922	10.198	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15500.000	90.000	179.662	12139.997	27.011	0.000	50.739	-0.000	27.011	0.000	0.000	50.974	42.956	9.912	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15600.000	90.000	179.662	12139.997	27.293	0.000	51.123	-0.000	27.293	0.000	0.000	51.354	42.989	9.641	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15700.000	90.000	179.662	12139.997	27.579	0.000	51.513	-0.000	27.579	0.000	0.000	51.741	43.024	9.382	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15800.000	90.000	179.662	12139.997	27.870	0.000	51.910	-0.000	27.870	0.000	0.000	52.135	43.058	9.137	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15900.000	90.000	179.662	12139.997	28.165	0.000	52.313	-0.000	28.165	0.000	0.000	52.535	43.094	8.903	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16000.000	90.000	179.662	12139.997	28.464	0.000	52.721	-0.000	28.464	0.000	0.000	52.940	43.130	8.679	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16100.000	90.000	179.662	12139.997	28.767	0.000	53.136	-0.000	28.767	0.000	0.000	53.352	43.167	8.466	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16200.000	90.000	179.662	12139.997	29.075	0.000	53.557	-0.000	29.075	0.000	0.000	53.770	43.204	8.262	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16300.000	90.000	179.662	12139.997	29.386	0.000	53.983	-0.000	29.386	0.000	0.000	54.194	43.242	8.067	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16400.000	90.000	179.662	12139.997	29.701	0.000	54.414	-0.000	29.701	0.000	0.000	54.623	43.280	7.880	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16500.000	90.000	179.662	12139.997	30.019	0.000	54.852	-0.000	30.019	0.000	0.000	55.057	43.320	7.702	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16600.000	90.000	179.662	12139.997	30.341	0.000	55.294	-0.000	30.341	0.000	0.000	55.497	43.359	7.530	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16700.000	90.000	179.662	12139.997	30.666	0.000	55.741	-0.000	30.666	0.000	0.000	55.942	43.400	7.366	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16800.000	90.000	179.662	12139.997	30.994	0.000	56.194	-0.000	30.994	0.000	0.000	56.392	43.441	7.208	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

16900.000	90.000	179.662	12139.997	31.326	0.000	56.651	-0.000	31.326	0.000	0.000	56.847	43.482	7.056	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17000.000	90.000	179.662	12139.997	31.660	0.000	57.113	-0.000	31.660	0.000	0.000	57.307	43.524	6.910	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17100.000	90.000	179.662	12139.997	31.998	0.000	57.580	-0.000	31.998	0.000	0.000	57.771	43.567	6.769	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17200.000	90.000	179.662	12139.997	32.338	0.000	58.051	-0.000	32.338	0.000	0.000	58.240	43.611	6.634	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17300.000	90.000	179.662	12139.997	32.682	0.000	58.527	-0.000	32.682	0.000	0.000	58.714	43.655	6.503	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17400.000	90.000	179.662	12139.997	33.028	0.000	59.007	-0.000	33.028	0.000	0.000	59.192	43.699	6.378	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17500.000	90.000	179.662	12139.997	33.376	0.000	59.492	-0.000	33.376	0.000	0.000	59.674	43.745	6.256	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17600.000	90.000	179.662	12139.997	33.727	0.000	59.980	-0.000	33.727	0.000	0.000	60.160	43.790	6.139	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17700.000	90.000	179.662	12139.997	34.081	0.000	60.473	-0.000	34.081	0.000	0.000	60.651	43.837	6.026	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17800.000	90.000	179.662	12139.997	34.436	0.000	60.969	-0.000	34.436	0.000	0.000	61.145	43.884	5.917	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17900.000	90.000	179.662	12139.997	34.794	0.000	61.469	-0.000	34.794	0.000	0.000	61.643	43.932	5.811	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18000.000	90.000	179.662	12139.997	35.155	0.000	61.973	-0.000	35.155	0.000	0.000	62.146	43.980	5.709	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18100.000	90.000	179.662	12139.997	35.517	0.000	62.481	-0.000	35.517	0.000	0.000	62.651	44.029	5.610	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18200.000	90.000	179.662	12139.997	35.882	0.000	62.992	-0.000	35.882	0.000	0.000	63.161	44.078	5.514	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18300.000	90.000	179.662	12139.997	36.249	0.000	63.507	-0.000	36.249	0.000	0.000	63.673	44.129	5.421	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18400.000	90.000	179.662	12139.997	36.617	0.000	64.025	-0.000	36.617	0.000	0.000	64.190	44.179	5.331	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18500.000	90.000	179.662	12139.997	36.988	0.000	64.546	-0.000	36.988	0.000	0.000	64.709	44.231	5.244	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18600.000	90.000	179.662	12139.997	37.360	0.000	65.070	-0.000	37.360	0.000	0.000	65.232	44.283	5.159	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18700.000	90.000	179.662	12139.997	37.734	0.000	65.598	-0.000	37.734	0.000	0.000	65.758	44.335	5.077	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18800.000	90.000	179.662	12139.997	38.110	0.000	66.129	-0.000	38.110	0.000	0.000	66.287	44.388	4.997	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18900.000	90.000	179.662	12139.997	38.488	0.000	66.663	-0.000	38.488	0.000	0.000	66.819	44.442	4.919	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19000.000	90.000	179.662	12139.997	38.867	0.000	67.199	-0.000	38.867	0.000	0.000	67.354	44.496	4.844	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19100.000	90.000	179.662	12139.997	39.248	0.000	67.739	-0.000	39.248	0.000	0.000	67.892	44.551	4.771	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19200.000	90.000	179.662	12139.997	39.630	0.000	68.281	-0.000	39.630	0.000	0.000	68.433	44.607	4.699	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19300.000	90.000	179.662	12139.997	40.014	0.000	68.826	-0.000	40.014	0.000	0.000	68.977	44.663	4.630	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19400.000	90.000	179.662	12139.997	40.399	0.000	69.374	-0.000	40.399	0.000	0.000	69.523	44.719	4.563	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19500.000	90.000	179.662	12139.997	40.786	0.000	69.925	-0.000	40.786	0.000	0.000	70.072	44.777	4.497	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19600.000	90.000	179.662	12139.997	41.174	0.000	70.477	-0.000	41.174	0.000	0.000	70.623	44.835	4.433	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19700.000	90.000	179.662	12139.997	41.564	0.000	71.033	-0.000	41.564	0.000	0.000	71.177	44.893	4.371	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19800.000	90.000	179.662	12139.997	41.955	0.000	71.591	-0.000	41.955	0.000	0.000	71.734	44.952	4.310	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19900.000	90.000	179.662	12139.997	42.347	0.000	72.151	-0.000	42.347	0.000	0.000	72.293	45.012	4.251	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20000.000	90.000	179.662	12139.997	42.740	0.000	72.713	-0.000	42.740	0.000	0.000	72.854	45.072	4.193	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20100.000	90.000	179.662	12139.997	43.134	0.000	73.278	-0.000	43.134	0.000	0.000	73.417	45.132	4.137	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20200.000	90.000	179.662	12139.997	43.530	0.000	73.845	-0.000	43.530	0.000	0.000	73.983	45.194	4.082	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20300.000	90.000	179.662	12139.997	43.927	0.000	74.414	-0.000	43.927	0.000	0.000	74.551	45.256	4.028	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

20400.000	90.000	179.662	12139.997	44.325	0.000	74.985	-0.000	44.325	0.000	0.000	75.120	45.318	3.976	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20500.000	90.000	179.662	12139.997	44.724	0.000	75.558	-0.000	44.724	0.000	0.000	75.692	45.381	3.924	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20600.000	90.000	179.662	12139.997	45.124	0.000	76.134	-0.000	45.124	0.000	0.000	76.267	45.445	3.875	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20700.000	90.000	179.662	12139.997	45.525	0.000	76.711	-0.000	45.525	0.000	0.000	76.843	45.509	3.826	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20800.000	90.000	179.662	12139.997	45.927	0.000	77.290	-0.000	45.927	0.000	0.000	77.420	45.574	3.778	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20900.000	90.000	179.662	12139.997	46.330	0.000	77.871	-0.000	46.330	0.000	0.000	78.000	45.639	3.731	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21000.000	90.000	179.662	12139.997	46.734	0.000	78.454	-0.000	46.734	0.000	0.000	78.582	45.705	3.686	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21100.000	90.000	179.662	12139.997	47.139	0.000	79.039	-0.000	47.139	0.000	0.000	79.166	45.771	3.641	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21200.000	90.000	179.662	12139.997	47.545	0.000	79.625	-0.000	47.545	0.000	0.000	79.751	45.838	3.598	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21300.000	90.000	179.662	12139.997	47.951	0.000	80.213	-0.000	47.951	0.000	0.000	80.338	45.905	3.555	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21400.000	90.000	179.662	12139.997	48.359	0.000	80.803	-0.000	48.359	0.000	0.000	80.927	45.973	3.513	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21500.000	90.000	179.662	12139.997	48.767	0.000	81.394	-0.000	48.767	0.000	0.000	81.517	46.042	3.472	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21600.000	90.000	179.662	12139.997	49.176	0.000	81.988	-0.000	49.176	0.000	0.000	82.109	46.111	3.432	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21700.000	90.000	179.662	12139.997	49.586	0.000	82.582	-0.000	49.586	0.000	0.000	82.703	46.181	3.393	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21800.000	90.000	179.662	12139.997	49.997	0.000	83.178	-0.000	49.997	0.000	0.000	83.298	46.251	3.354	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21900.000	90.000	179.662	12139.997	50.408	0.000	83.776	-0.000	50.408	0.000	0.000	83.895	46.322	3.317	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22000.000	90.000	179.662	12139.997	50.821	0.000	84.375	-0.000	50.821	0.000	0.000	84.493	46.393	3.280	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22100.000	90.000	179.662	12139.997	51.233	0.000	84.976	-0.000	51.233	0.000	0.000	85.092	46.465	3.244	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22200.000	90.000	179.662	12139.997	51.647	0.000	85.578	-0.000	51.647	0.000	0.000	85.694	46.537	3.208	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22300.000	90.000	179.662	12139.997	52.061	0.000	86.181	-0.000	52.061	0.000	0.000	86.296	46.610	3.174	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22400.000	90.000	179.662	12139.997	52.476	0.000	86.786	-0.000	52.476	0.000	0.000	86.900	46.683	3.139	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22500.000	90.000	179.662	12139.997	52.892	0.000	87.392	-0.000	52.892	0.000	0.000	87.505	46.757	3.106	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22600.000	90.000	179.662	12139.997	53.308	0.000	88.000	-0.000	53.308	0.000	0.000	88.112	46.831	3.073	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22700.000	90.000	179.662	12139.997	53.725	0.000	88.608	-0.000	53.725	0.000	0.000	88.719	46.906	3.041	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22800.000	90.000	179.662	12139.997	54.142	0.000	89.218	-0.000	54.142	0.000	0.000	89.328	46.982	3.009	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22900.000	90.000	179.662	12139.997	54.560	0.000	89.829	-0.000	54.560	0.000	0.000	89.939	47.058	2.978	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23000.000	90.000	179.662	12139.997	54.979	0.000	90.442	-0.000	54.979	0.000	0.000	90.550	47.134	2.948	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23100.000	90.000	179.662	12139.997	55.398	0.000	91.055	-0.000	55.398	0.000	0.000	91.163	47.211	2.918	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23200.000	90.000	179.662	12139.997	55.818	0.000	91.670	-0.000	55.818	0.000	0.000	91.777	47.289	2.889	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23300.000	90.000	179.662	12139.997	56.238	0.000	92.286	-0.000	56.238	0.000	0.000	92.392	47.367	2.860	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23400.000	90.000	179.662	12139.997	56.659	0.000	92.903	-0.000	56.659	0.000	0.000	93.008	47.445	2.832	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23500.000	90.000	179.662	12139.997	57.080	0.000	93.520	-0.000	57.080	0.000	0.000	93.625	47.524	2.804	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23600.000	90.000	179.662	12139.997	57.502	0.000	94.140	-0.000	57.502	0.000	0.000	94.243	47.604	2.776	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23700.000	90.000	179.662	12139.997	57.924	0.000	94.760	-0.000	57.924	0.000	0.000	94.862	47.684	2.749	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23800.000	90.000	179.662	12139.997	58.347	0.000	95.381	-0.000	58.347	0.000	0.000	95.483	47.764	2.723	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

23900.000	90.000	179.662	12139.997	58.770	0.000	96.003	-0.000	58.770	0.000	0.000	96.104	47.845	2.697	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24000.000	90.000	179.662	12139.997	59.194	0.000	96.626	-0.000	59.194	0.000	0.000	96.727	47.926	2.672	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24100.000	90.000	179.662	12139.997	59.618	0.000	97.250	-0.000	59.618	0.000	0.000	97.350	48.008	2.646	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24200.000	90.000	179.662	12139.997	60.043	0.000	97.875	-0.000	60.043	0.000	0.000	97.974	48.091	2.622	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24300.000	90.000	179.662	12139.997	60.468	0.000	98.501	-0.000	60.468	0.000	0.000	98.599	48.174	2.597	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24400.000	90.000	179.662	12139.997	60.893	0.000	99.128	-0.000	60.893	0.000	0.000	99.225	48.257	2.573	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24500.000	90.000	179.662	12139.997	61.319	0.000	99.755	-0.000	61.319	0.000	0.000	99.852	48.341	2.550	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24600.000	90.000	179.662	12139.997	61.746	0.000	100.384	-0.000	61.746	0.000	0.000	100.480	48.425	2.527	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24700.000	90.000	179.662	12139.997	62.172	0.000	101.013	-0.000	62.172	0.000	0.000	101.109	48.510	2.504	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24800.000	90.000	179.662	12139.997	62.599	0.000	101.644	-0.000	62.599	0.000	0.000	101.739	48.595	2.482	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24900.000	90.000	179.662	12139.997	63.027	0.000	102.275	-0.000	63.027	0.000	0.000	102.369	48.681	2.460	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24970.818	90.000	179.662	12139.997	63.330	0.000	102.722	-0.000	63.330	0.000	0.000	102.816	48.742	2.444	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25000.000	90.000	179.662	12139.997	63.455	0.000	102.906	-0.000	63.455	0.000	0.000	102.999	48.767	2.438	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25060.811	90.000	179.662	12139.997	63.715	0.000	103.290	-0.000	63.715	0.000	0.000	103.383	48.819	2.425	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

Plan Targets Poker Lake Unit 23 DTD South 544H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 21	12399.23	440545.40	650608.10	8665.00	RECTANGLE
SHL 20	12557.43	441292.05	651253.17	7924.40	RECTANGLE
LTP 21	24970.88	427554.00	650684.80	8665.00	RECTANGLE
BHL 21	25061.64	427464.00	650686.10	8665.00	RECTANGLE

Cement Variance Request

Intermediate Casing :

□□O re□□es□s □o□□□□ □a□□o s□age ce□ en□□o□ on □□e □□5/8” intermediate casing string with the first stage □e□ng □□□ □ed con□en□ona□y□ □□□e ca□c□a□ed □o□ o□ce□ en□ a□ □□e □□r□s□Canyon □□□□□□□and □□e□ second s□age □er□or□ ed as a □raden□ead s□□ee□e□ □□□□anned ce□ en□ □ro□ □□e □□r□s□y Canyon □o□ □□□□□□□

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□□O re□□es□s □□e o□□on □o cond□c□ □□e □raden□ead s□□ee□e and □OC □er□□ca□on o□□ne as □er s□andard□ a□□ro□a□ □ro□ □□M □□ □en □n□anned re□ ed□a□on □s needed and □□a□c□dr□□ng □s a□□ro□ed □n □□e e□en□ □□e □raden□ead □s cond□c□ed □□e□ □□□ens□re □□e □□rs□ s□age ce□ en□ □o□ □s ce□ en□ed □ro□er□y and □□e □□e□□ □s s□a□c□ □□□□oa□s □o□d□ng and no □ress□re on □□e csg ann□□□s as □□ □□□ a□□o□er cas□ng s□r□ngs □□ □ere□ □a□c□dr□□ng o□era□ons occ□r □e□ore □□ o□□ng o□□ □□e r□g □□□□e□ □□ca□□ □□a□ so□□e □ns□a□□ed □er □□e □□ead□ □ro□□der □roced□re and □ress□re □ns□de □□e cas□ng □□ □□□e □□ on□□ored □□a □□e □a□e on □□e □□ca□ as □er□ s□andard □□a□c□dr□□ng o□s□□ □ □ □

Production Casing : □

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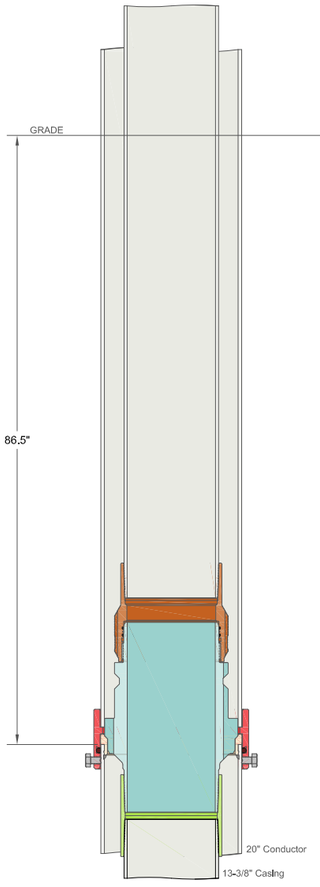
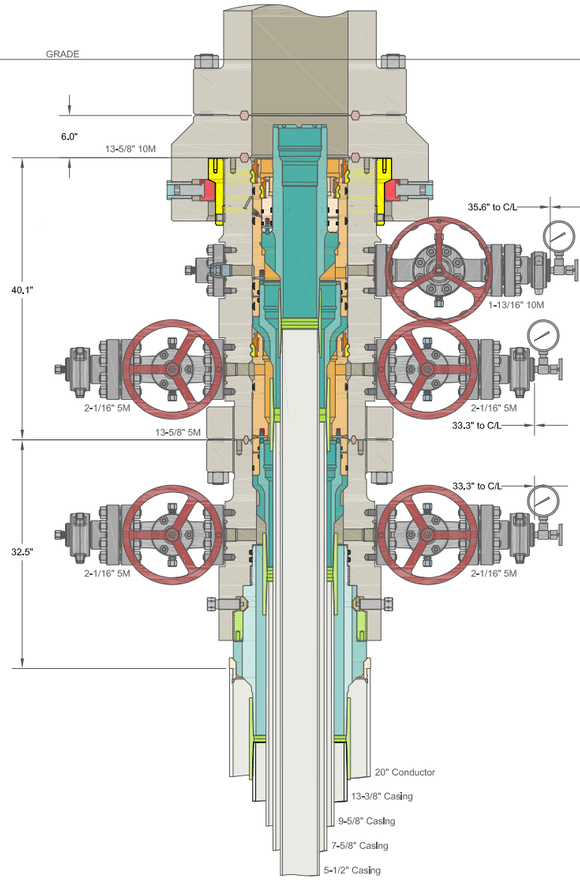
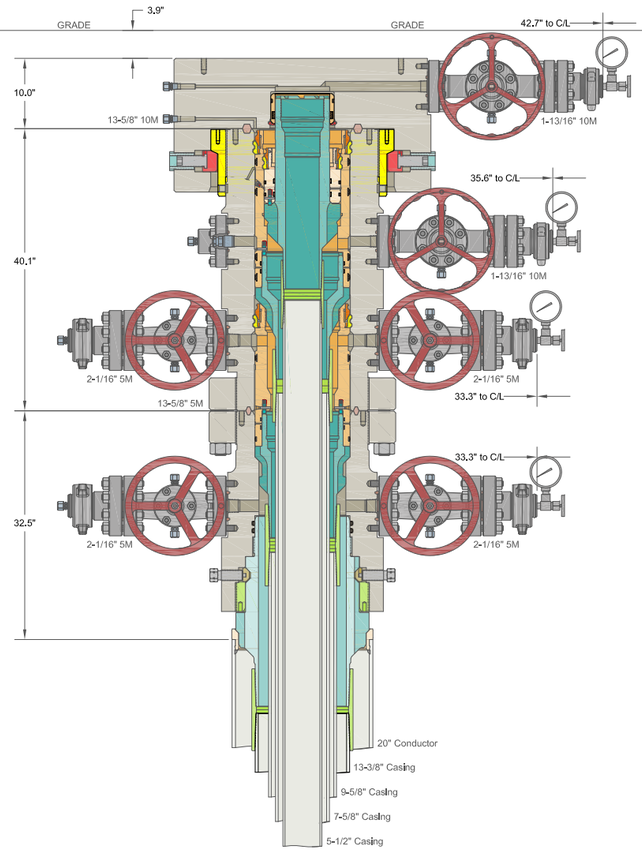
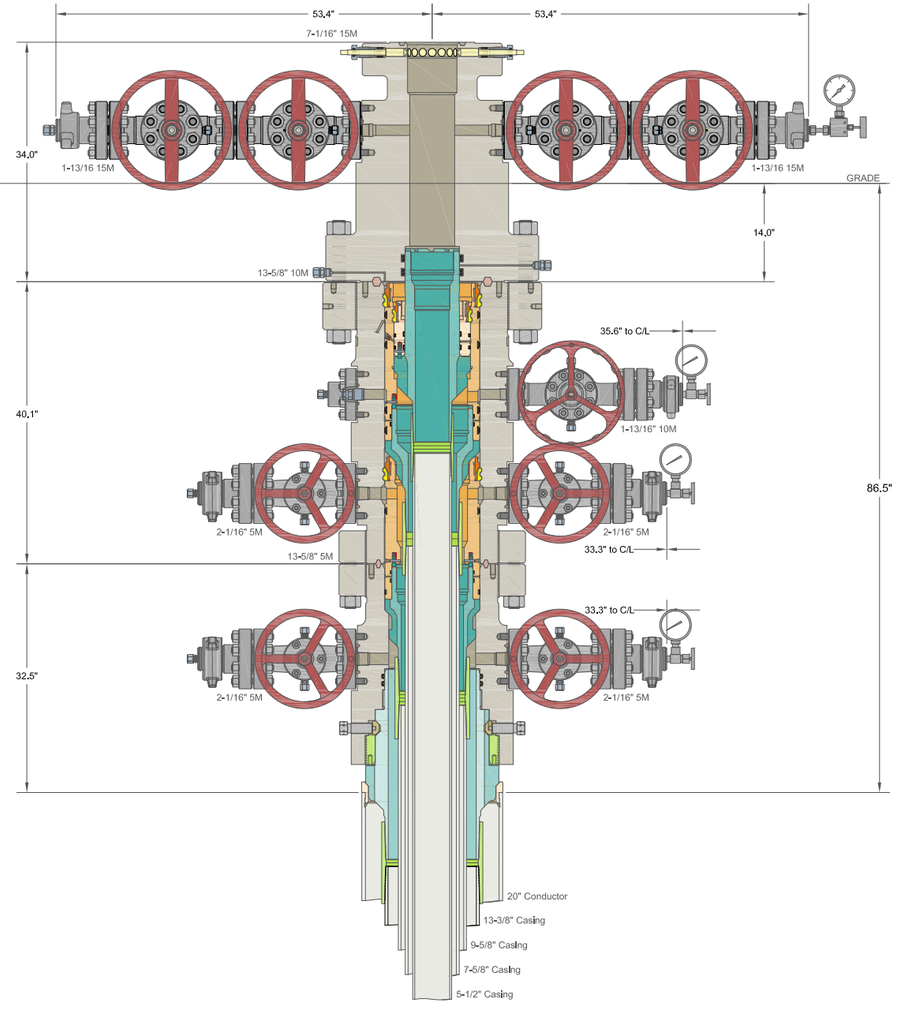








ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

XTO ENERGY INC
DELAWARE BASIN

DRAWN	VJK	31MAR22
APPRV		

DRAWING NO. SDT-3301

10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

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

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

VBR = Variable Bore Ram

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combination immediately available:

a. Sound alarm (alert crew)
b. If possible, pull string clear of the stack and follow "Open Hole" procedure.
c. If impossible to pull string clear of the stack:
d. Stab crossover, make up one joint/stand of drillpipe and full-opening safety valve and close
e. Space out drill string with tooljoint just beneath the upper variable bore ram
f. Shut-in using upper variable bore ram (HCR & choke will already be in the closed position)
g. Confirm shut-in
h. Notify toolpusher/company representative
i. Read and record the following:
    i. SIDPP & SICP
    ii. Pit gain
    iii. Time
j. Regroup and identify forward plan

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100
FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSPINOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

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

TEST OBJECT

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

TEST INFORMATION

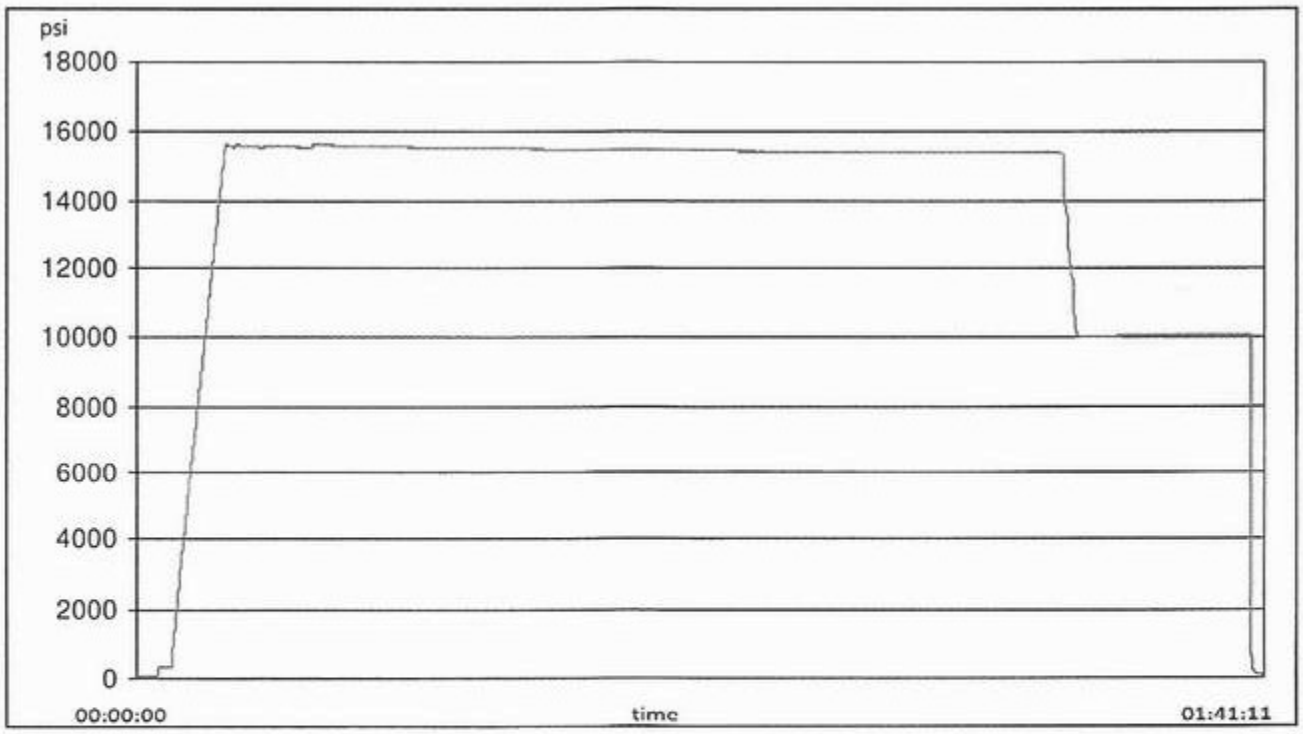
Test procedure:	GTS-04-053	
Test pressure:	15000.00	psi
Test pressure hold:	3600.00	sec
Work pressure:	10000.00	psi
Work pressure hold:	900.00	sec
Length difference:	0.00	%
Length difference:	0.00	inch

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

Length:	45	feet

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

Test operator: Travis



H3-15/16

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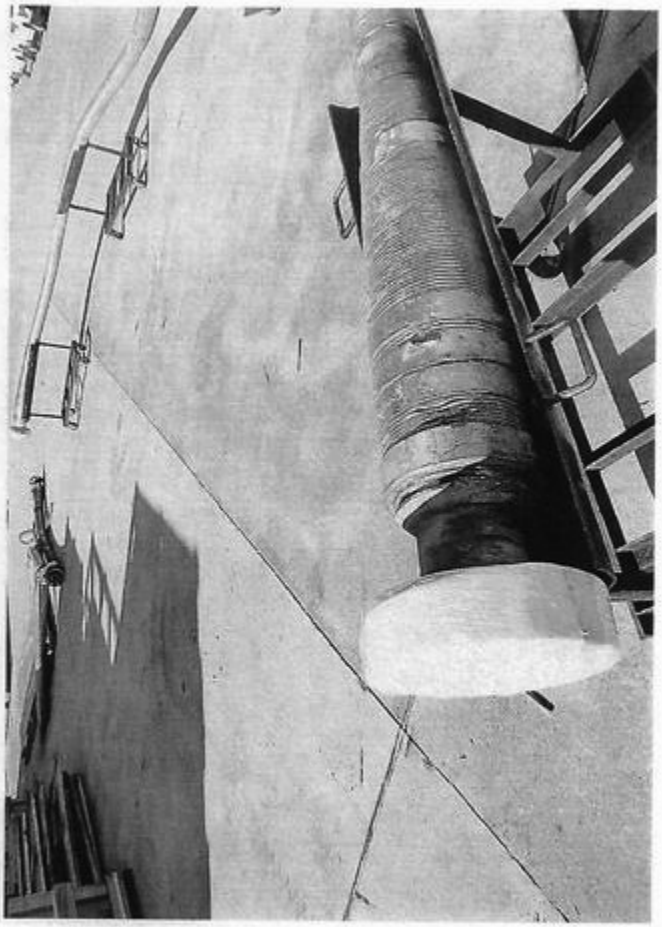
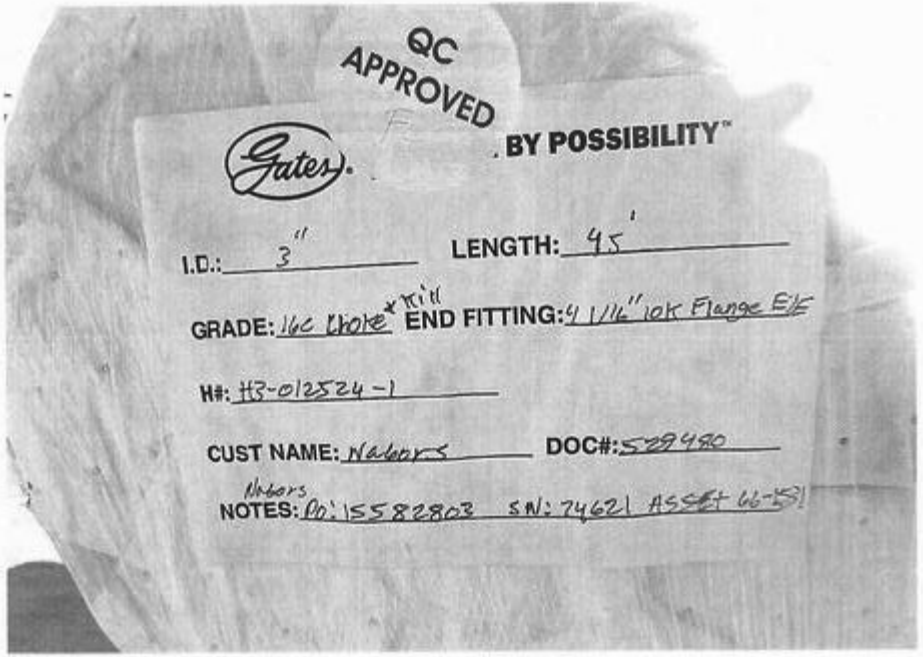
TEST REPORT

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.

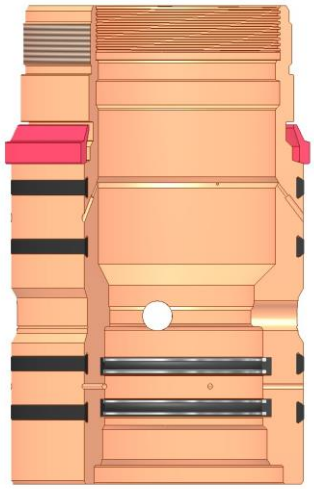
1. Cement Program

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

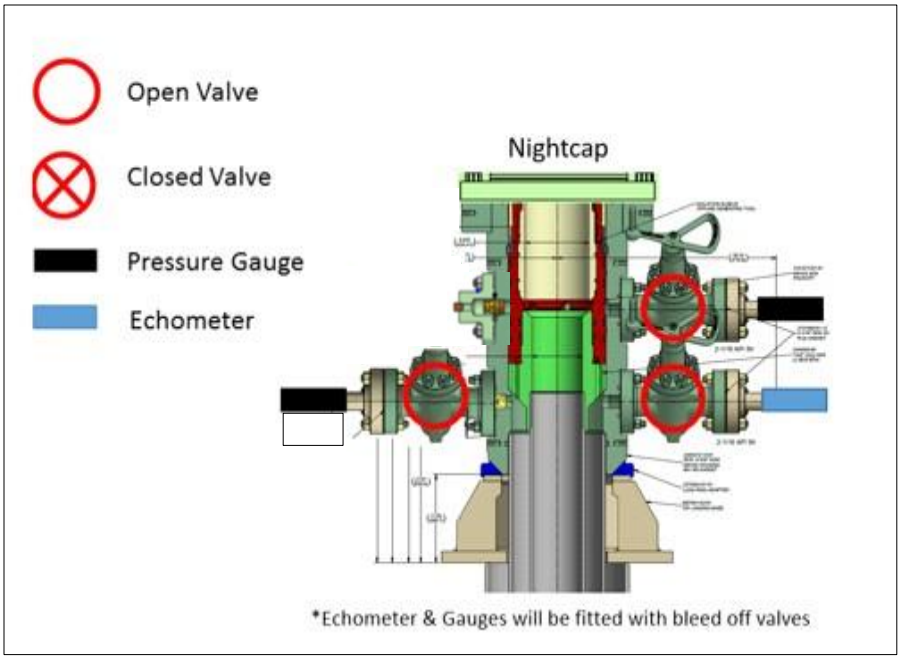
2. Offline Cementing Procedure

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.



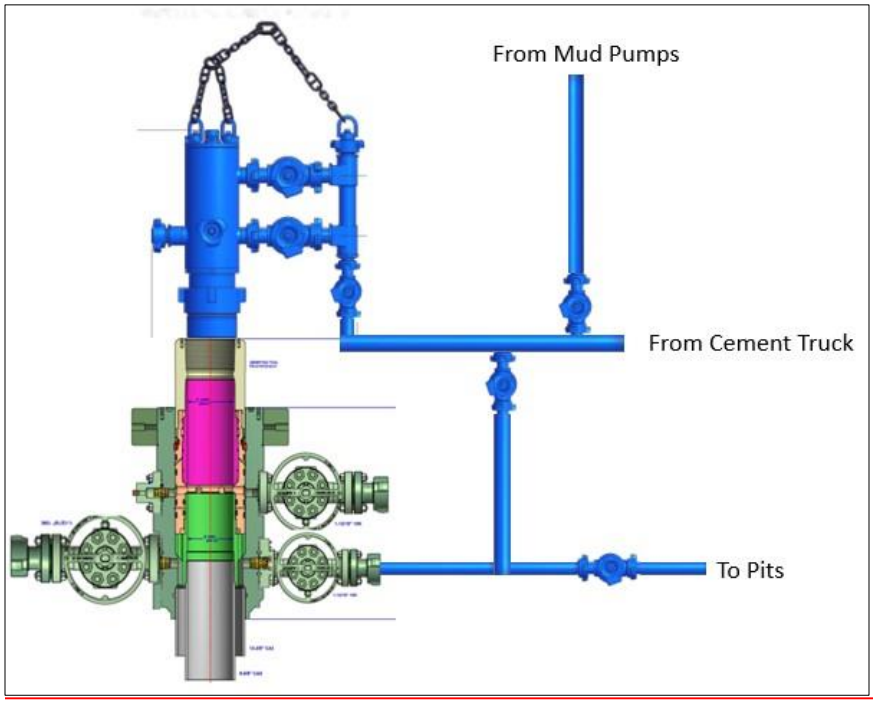
Annular packoff with both external and internal seals



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.

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR’S NAME:	[illegible]
[illegible]	[illegible]
CO[illegible]Y:	Eddy

Wells:

[illegible] Location: 1,792’ FWL & 262’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: NOT [illegible]

[illegible] Location: 1,852’ FWL & 262’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,224’ FWL & 231’ FNL, Section 2, T. 24 S, R. 30 E.

[illegible] Location: 608’ FEL & 845’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,213’ FEL & 7’ FNL, Section 2, T. 24 S. R. 30 E.

[illegible] Location: 651’ FWL & 366’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 213’ FWL & 32’ FNL, Section 2, T. 24 S[illegible]

[illegible] Location: 1,822’ FWL & 261’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: NOT [illegible]

[illegible] Location: 1,882’ FWL & 262’ FNL, Section 23, T. 24 S, R. 30 E. Bottom Hole Location: 1,697’ FWL & 223’ FNL, Section 2, T. 24 S, R. 30 E.

[illegible] Location: 1,713’ FEL & 837’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,393’ FEL & 224’ FNL, Section 2, T. 24 S. R. 30 E.

[illegible] Location: 621’ FWL & 366’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 674’ FWL & 254’ FNL, Section 2, T. 24 S. R. 30 E.

[illegible] Hole Location: 681’ FWL & 366’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: NOT [illegible]

[illegible] Hole Location: 741’ FWL & 366’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,795’ FWL & 234’ FNL, Section 2, T. 24 S. R. 30 E.

Approval Date: 12/19/2024

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□□–□C□□S□r□ace□□o□e□ Location: 2,282' FWL & 337' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,085' FWL & 232' FNL, Section 2, T. 24 S. R. 30 E.□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□□–□C□□S□r□ace□□o□e□ Location: 2,342' FWL & 337' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,313' FEL & 222' FNL, Section 2, T. 24 S. R. 30 E.□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□C□–□□□S□r□ace□□o□e□ Location: 1,742' FEL & 836' FNL, Sec□□on□□□□□□□□□S□R□□□□E□□o□o□□□o□e□□oca□□on□□O□□ □□□□□□□□□E□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□□–□C□□S□r□ace□□o□e□ Location: 591' FWL & 366' FSL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,125' FWL & 25' FNL, Section□□□□□□□□S□R□□□□E□□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□R□□S□DR□□□ED□□□ad□□–□C□□□S□r□ace□ Hole Location: 711' FWL & 366' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: NOT □□□□□□□□□E□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□□–□C□□□S□r□ace□ Hole Location: 771' FWL & 366' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 2,043' FWL & 22' FNL, Section 2, T. 24 S, R. 30 E□

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□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□□–□C□□S□r□ace□□o□e□ Location: 2,312' FWL & 337' FNL, Section 23, T. 24 S.□R. 30 E. Bottom Hole Location: 2,553' FWL & 234' FNL, Section 2, T. 24 S, R. 30 E.□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□D□–□C□□S□r□ace□□o□e□ Location: 548' FEL & 845' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,297' FE□□□□ 268' FNL, Section 2, T. 24 S, R. 30 E.□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□D□–□C□□S□r□ace□□o□e□ Location: 518' FEL & 845' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 338' FEL & 239' FNL, Section 2, T. 24 S, R. 30 E□□

□O□ER□□□□E□□□□□□□D□D□ED□S□□□□E□COM□□□□□□□S□DR□□□ED□□□ad□D□–□C□□S□r□ace□□o□e□ Location: 578' FEL & 845' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 2,522' FEL & 264' FNL, Section 2, T. 24 S, R. 30 E.□

□O□ER□□□□E□□□□□□□D□D□□□□□□□□ad□□–□A1 Surface Hole Location: 190' FWL & 556'FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 327' FWL & 2,627' FNL, Section 35, T. 24 S. R□□□□□E□□

□O□ER□□□□E□□□□□□□D□D□□□□□□□□ad□□–□A3 Surface Hole Location: 250' FWL & 556' FSL, Sec□□on□□□□□□□□□□S□R. 30 E. Bottom Hole Location: 457' FWL & 2,627' FNL, Section 35, T. 24 S. R□□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-A5 Surface Hole Location: 310’ FWL & 556’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 839’ FWL & 2,627’ FNL, Section 35, □□□□□S□□ R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-A2 Surface Hole Location: 220’ FWL & 556’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 391’ FWL & 2,627’ FNL, Section 35, T. 24 S. R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-□□S□rface Hole Location: 191’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B2 Surface Hole Location: 221’ FWL & 461’ FSL, Sec□on□□□□□□□□S□R□□□E□□ottom Hole Location: 330’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B3 Surface Hole Location: 251’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B4 Surface Hole Location: 251’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,254’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B8 Surface Hole Location: 681’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B9 Surface Hole Location: 701’ FWL & 461’ FSL, Sec□on□□□□□□□□S□R□□□E□□o□o□ □□e□oca□on□□□254’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B10 Surface Hole Location: 741’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-B13 Surface Hole Location: 771’ FWL & 461’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,254’ FWL & 50’ FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-C4 Surface Hole Location: 366’ FWL & 281’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,870’ FWL & 50 FSL, Section 2, T. 25 S. R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□-D6 Surface Hole Location: 1,621’ FEL & 1,152’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,083’ FEL & 2,627’ FNL, Section 35, T. □□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□-A4 Surface Hole Location: 280’ FWL & 556’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 584’ FWL & 2,627’ FNL, Section 35, T. 24 S, R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→C1 Surface Hole Location: 1,792' FWL & 357' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,254' FWL & 50' FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→C2 Surface Hole Location: 1,822' FWL & 357' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,178' FWL & 50' FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→C3 Surface Hole Location: 1,852' FWL & 357' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,178' FEL & 50' □S□□Sec□on □□□□□□□□□S□R□□ □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→C4 Surface Hole Location: 1,884' FWL & 357' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 330' FWL & 50' FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→B5 Surface Hole Location: 2,282' FWL & 261' FNL, Section 17, T. 24 S. R. 30 E. Bottom Hole Location: 1,485' FWL & 50' FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→B6 Surface Hole Location: 2,312' FWL & 261' FNL, Sec□on □□□□T. 24 S. R. 30 E. Bottom Hole Location: 2,640' FWL & 50' FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→B7 Surface Hole Location: 2,342' FWL & 262' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,485' FEL & 50' FSL, Sect□on □□□□□□□□□S□R□□ □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□→B8 Surface Hole Location: 2,372' FWL & 262' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 330' FEL & 50' FSL, Section 2, T. 25 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C→□□S□rface Hole Location: 1,740' FEL & 1,342' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,178' FEL & 50' FSL, Section 2, T. 25 S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C→F3 Surface Hole Location: 1,710' FEL & 1,341' □□ □□Sec□on □□□□□□□□S. R. 30 E. Bottom Hole Location: 2,178' FWL & 50' FSL, Section 2, T. 25 S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C→F4 Surface Hole Location: 1,740' FEL & 1,342' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,178' FEL & 50' FSL, Section □□□□□□□□ S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C→F5 Surface Hole Location: 1,650' FEL & 1,342' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,254' FEL & 50' FSL, Section 2, T. 25 S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D→E□S□rface Hole Location: 606' FEL & 550' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,254' FEL & 50 FSL, Section 2, T. 25 S, R. □□E□□

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□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□E3 Surface Hole Location: 576’ FEL & 550’ FSL, Sec□on□□□□□□□□S□R□□□E. Bottom Hole Location: 330’ FEL & 50’ FSL, Section 2, T. 25 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□E4 Surface Hole Location: 546’ FEL & 550’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FEL & 50’ FSL, Section 2, T. 25 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□E5 Surface Hole Location: 516’ FEL & 550’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,254’ FEL & 50’ FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□□S□rface□o□e□oca□on□606’ FEL & 455’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FEL & 50’ FSL, Section 2, T. 25 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□F3 Surface Hole Location: 576’ FEL & 455’ FSL, Sec□on□□□□□□□□S□R□□□E□□o□o□ o□e□oca□on: 1,254’ FEL & 50’ FSL, Section 2, T. 25 S, R. □□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□F4 Surface Hole Location: 546’ FEL & 455’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FEL & 50’ FSL, Section 2, T. 25 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□□F5 Surface Hole Location: 516’ FEL & 455’ FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 330’ FEL & 50’ FSL, Section 2, T. 24 S, R. 30 E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□D1 Surface Hole Location: 1,771’ FEL & 1,152’ □□L, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,475’ FWL & 2,627’ FNL, Section 35, □□□□□□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□D2 Surface Hole Location: 1,741’ FEL & 1,152’ □□□Sec□on□□□□□□□□S□R□□□□E□□o□o□ o□e□oca□on□□□□□□’ FWL & 2,627’ FNL, Section 35, □□□□□□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□D3 Surface Hole Location: 1,711’ FEL & 1,152’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,173’ FWL & 2,627’ FNL, Section 35, □□□□□□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□D4 Surface Hole Location: 1,681’ FEL & 1,152’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,366’ FWL & 2,627’ FNL, Section 35, □□□□□□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□D5 Surface Hole Location: 1,651’ FEL & 1,152’ FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,277’ FEL & 2,627’ FNL, Section 35, T. □□S□R□□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□□E1 Surface Hole Location: 1,771’ FEL & 1,247’ □□□□Sec□on□□□□□□□□S□R□□□□E□□o□o□ o□e□Location: 1,348’ FWL & 2,627’ FNL, Section 35, □□□□□□S□R□□□□E□□

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□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□→E2 Surface Hole Location: 1,741' FEL & 1,247' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 1,664' FWL & 2,627' FNL, Section 35, □□□□S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□→E3 Surface Hole Location: 1,711' FEL & 1,247' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,239' FWL & 2,627' FNL, Section 35, □□□□S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□→E□Surface Hole Location: 1,681' FEL & 1,247' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,621' FWL & 2,627' FNL, Section 35, □□□□S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□→E5 Surface Hole Location: 1,651' FEL & 1,247' □□□□Sec□on□□□□T. 24 S. R. 30 E. Bottom Hole Location: 2,340' FEL & 2,627' FNL, Section 35, T. □□S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□C□→E6 Surface Hole Location: 1,621' FEL & 1,247' FNL, Section 23, T. 24 S. R. 30 E. Bottom Hole Location: 2,210' FEL & 2,627' □□□□Sec□on□□□□□□ □□S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D1 Surface Hole Location: 637' FEL & 645' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,827' FEL & 2,627' FNL, Section 35, T. 24 S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D2 Surface Hole Location: 607' FEL & 645' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,385' FEL & 2,627' FNL, Section 35, T. 24 S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D3 Surface Hole Location: 577' FEL & 645' FSL, Sec□on□14, T. 24 S. R. 30 E. Bottom Hole Location: 1,315' FEL & 2,627' FNL, Section 35, T. 24 S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D4 Surface Hole Location: 547' FEL & 645' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,191' FEL & 2,627' □□□□Sec□on□□□□□□□□ S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D5 Surface Hole Location: 517' FEL & 645' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 1,003' FEL & 2,627' FNL, Section 35, T. 24 S□R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□D□→D6 Surface Hole Location: 487' FEL & 645' FSL, Section 14, T. 24 S. R. 30 E. Bottom Hole Location: 936' FEL & 2,627' FNL, Section 35, T. 24 S, R□□□E□□

□O□ER□□□□E□□ □□□□□D□D□□□□□□□□ad□□□→A6 Surface Hole Location: 340' FWL & 556' FSL, Sec□on□□, T. 24 S. R. 30 E. Bottom Hole Location: 1,282' FWL & 2,627' FNL, Section 35, T. 24 S□R□□□E□□

□□□□RE□□ E□□□□□□□□□ad□□□→A10 Surface Hole Location: 680' FWL & 556' FSL, Section 14, T. 24 S□R□□□E□□□o□o□ □□o□e□□oca□on□□□o□□e□De□er□ □ned□

□□□□RE□□ E□□□□□□□□□ad□□□→A11 Surface Hole Location: 710' FWL & 556' FSL, Section 14, T. 24 S□R□□□E□□□o□o□ □□o□e□□oca□on□□□o□□e□De□er□ □ned□

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RE E ad A12 Surface Hole Location: 740’ FWL & 556’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad A13 Surface Hole Location: 770’ FWL & 556’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad C1 Surface Hole Location: 191’ FWL & 366’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad C2 Surface Hole Location: 221’ FWL & 366’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad C3 Surface Hole Location: 251’ FWL & 366’ FSL, Section 14,
S R E o o o e oca on o e De er ned

RE E ad A1 Surface Hole Location: 1,792’ FWL & 186’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A2 Surface Hole Location: 1,822’ FWL & 186’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A3 Surface Hole Location: 1,852’ FWL & 187’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad Surface Hole Location: 1,882’ FWL & 187’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A5 Surface Hole Location: 2,281’ FWL & 186’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A6 Surface Hole Location: 2,311’ FWL & 187’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A7 Surface Hole Location: 2,341’ FWL & 187’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad A8 Surface Hole Location: 2,371’ FWL & 186’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C A2 Surface Hole Location: 1,743’ FEL & 742’ FNL, Section
S R E o o o e oca on o e De er ned

RE E ad C A3 Surface Hole Location: 1,713’ FEL & 742’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C S ace o e Location: 1,683’ FEL & 742’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C A5 Surface Hole Location: 1,653’ FEL & 742’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – B4 Surface Hole Location: 1,682’ FEL & 837’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – B5 Surface Hole Location: 1,652’ FEL & 837’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – C2 Surface Hole Location: 1,742’ FEL & 932’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – C3 Surface Hole Location: 1,712’ FEL & 932’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – C4 Surface Hole Location: 1,682’ FEL & 932’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad C – C5 Surface Hole Location: 1,652’ FEL & 932’ FNL, Section 23, T.
S R E o o o e oca on o e De er ned

RE E ad D – A2 Surface Hole Location: 609’ FEL & 1,035’ FSL, Section 14, T.
S R E o o o e oca on o e De er ned

RE E ad D – S r ace Hole Location: 579’ FEL & 1,035’ FSL, Section 14, T.
S R E o o o e oca on o e De er ned

RE E ad D – A4 Surface Hole Location: 549’ FEL & 1,035’ FSL, Section 14, T.
S R E o o o e oca on o e De er ned

RE E ad D – A5 Surface Hole Location: 519’ FEL & 1,035’ FSL, Section 14, T.
S R E o o o e oca on o e De er ned

RE E ad D – B2 Surface Hole Location: 608’ FEL & 940’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad D – B3 Surface Hole Location: 578’ FEL & 940’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad D – B4 Surface Hole Location: 548’ FEL & 940’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

RE E ad D – B5 Surface Hole Location: 518’ FEL & 940’ FSL, Section 14, T. 24
S R E o o o e oca on o e De er ned

TABLE OF CONTENTS

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☐ **Noxious Weeds**
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- Well Structures & Facilities
- Pipelines
- Electric Lines

☐ **Interim Reclamation**
☐ **Final Abandonment & Reclamation**

I. GENERAL PROVISIONS

e a ro a o e ca on or er o Dr D s n co ance a a ca e a s and reg a ons Code o edera Reg a ons e ease er s Ons ore O and Gas Orders o ces o essees e Me co O Conser a on D s on MOCD R es a ona s or ca reser a on c s ended and ns r c ons and orders o e or ed O cer ny re es or a ar ances s a e s ed o e or ed O cer on or S ndry o ces and Re or on e s

II. PERMIT EXPIRATION

e er er na es r or o dr ng and dr ng canno e co enced n days a er e ra on an o era or s re red o s or S ndry o ces and Re or s on e s re es ng s r ace rec a a on re re en s or any s r ace d s r ance o e er e o era or e a e o n a e dr ng n days a er e e ra on o e er e o era or s a e se e cond c or e n order o a o or an e ens on o days eyond e e ra on da e o e D ng o a S ndry o ce s re red or s day e ens on

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

ny c ra reso rce s or c or re s or c s e or o ec d sco ered y e o der or any erson or ng on e o ders e a on c or edera and s a e ed a e y re or ed o e or ed O cer e o der s a s s end a o era ons n e ed a e area o s c d sco ery n r en a or a on o roceed s ss ed y e or ed O cer n e a a on o e d sco ery e ade y e or ed O cer o de er ne a ro ra e ac ons o re en e oss o s gn can c ra or sc en c a es e o der e res ons e or e cos o e a a on and any dec s on as o e ro er ga on eas res e ade y e or ed O cer a er cons ng e o der

OR

e en re ro ec s co ered nder e er an as n rogra a c gree en c ra reso rces on y

e ro onen as con r ed nds co ens ra e o e nder a ng n o an acco n or o s e ga on ar c a on n e ser es as ga on or e e ec s o s ro ec on c ra reso rces any an s e a re a ns nerary o ec s sacred o ec s or o ec s o c ra a r ony are d sco ered a any e d r ng cons r c on a cons r c on ac es s a a and e M e no ed as soon as oss e n o rs or s a no res e n a o ce o roceed s ss ed y e M See S a on or ore n or a on

e ro osed ro ec s s e een a C ass n en ory and a er an as n rogra a c gree en con r on e or on o e ro ec co ered nder C ass n en ory s o d de a o e rs aragra s a ons

e o der s ere y o ga ed o co y roced res es a s ed n e a e er can Gra es ro ec on and Re a r a on c G R o ro ec s c c ra e s as an re a ns assoc a ed nerary o ec s sacred o ec s and o ec s o c ra a r ony d sco ered nad er en y d r ng e co rse o ro ec e en a on n e e en a any o e c ra e s s ed a o e are d sco ered d r ng e co rse o ro ec or e ro onen s a ed a e y a e d s r ance and con ac e M n o rs or ns r c ons e ro onen or n a or o any ro ec s a e ed res ons e or ro ec ng e a a ng re or ng e ca a ng rea ng and d s os ng o ese c ra e s accord ng o e roced res es a s ed y e M n cons a on ndan r es"

ny a eon o og ca reso rce s or c or re s or c s e or o ec d sco ered y e o der or any erson or ng on e o ders e a on c or edera and s a e ed a e y re ored o e or ed O cer e o ders a s s end a o era ons n e ed a e area o s c d sco ery n r en a or a on o roceeds s ss ed y e or ed O cer n e a a on o e d sco ery e ade y e or ed O cer o de er ne a ro ra e ac ons o re en e oss o s gn can c ra or sc en c a es e o der e res ons e or e cos o e a a on and any dec s on as o e ro er ga on eas res e ade y e or ed O cer a er cons ng e o der

IV. NOXIOUS WEEDS

e o era or s a e ed res ons e no o s eeds eco e es a s ed n e areas o o era ons eed con ro s a e re red on e d s r ed and ere no o s eeds e s c nc des e roads ads assoc a ed e ne corr dor and ad acen and a ec ed y e es a s en o eeds d e o s ac on e o era or s a cons e or ed O cer or acce a e eed con ro e ods c nc de o o ng E and M re re en s and o c es

V. SPECIAL REQUIREMENT(S)

Watershed:

e en re e ads e er ed o re en o sa and o er c e ca con a nan s ro ea ng e e ad e co ac ed er s a e cons r c ed a a n o nc es er ea e nera a er a e g ca c e o so s a no e sed o cons r c e er o a er o ro e s de s o e ad s a e a o ed o en er e e ad e n egr y o e er s a e an a ned aro nd e s r aced ad ro g o e e o e and aro nd e do ns ed ad a er n er rec a a on as een co e ed ny a er eros on a ay occ r d e o e cons r c on o e e ad d r ng e e o e e c y correc ed and ro er eas res e a en o re en re eros on S oc ng o o so s re red e o so s a e s oc ed n an a ro ra e oca on o re en oss o so d e o a er or nd eros on and no sed or er ng or eros on con ro d co ec s n e er ed area e d s e ac ed n o a sa e con a ner and d s osed o ro er y a a s a e a ro ed ac y

TANK BATTERY:

an a ery oca ons e ned and er ed er anen ner e ns a ed a a o e ac ng o re en ears or nc res an a ery er s s e arge eno g o con a es e con en o e arges an or o r rod c on c e er s grea er o a c s o c ec a es or s ar sys e s e ns a ed or an s o n e e e ec s o ca as ro c ne a res sed n rod c on or dr ng

BURIED/SURFACE LINE(S):

en crossng e e era dra nages e e ne s e red o a n de o nc es ro e o o e o gro nd e E ros on con ro e ods s c as ga ons and or roc a rons s o d e aced on o and do ns rea s des o e e ne crossng n add on c red eed ree ood s ra er a es ogs and or s ences s o d e aced on e do ns rea s de or sed en con ro d r ng cons r c on and a ned n so s and ege a on a e s a ed a er ars s o d e aced n e RO o der and d ss a e s race r no e ne access road s no er ed o cross ese e e era dra nages ra c s o d e d ered o a ree s ng ro e dd ona seed ng ay e re red n ood a ns and dra nages o res ore energy ss a ng ege a on

ror o e ne ns a a on cons r c on a ea de ec on an e de e o ed e e ods co d ncor ora e ga ges o de ec ress re dro s s a ng a es and nes so ey can e s a y ns ec ed er od ca y or ns a ng e ec ron c sensors o a ar en a ea s resen

□e□ea□de□ec□on□an□ □□□ncor□ora□e□an□a□□o□a□c□s□□□o□□sys□e□ □□a□□ □□□e□ns□a□ed□or□ □ro□osed□□□e□nes□o□□ n□□ □e□□□e□e□ec□s□o□an□ndes□ra□□e□e□en□□□

□

ELECTRIC LINE(S):

□ny□□a□er□eros□on□□□a□□ ay□occ□r□d□e□o□□□e□cons□r□c□on□o□□o□□er□ead□e□ec□r□c□ne□and□d□r□ng□□□e□ □□e□o□□□e□o□er□ne□□□□□e□□□□c□y□correc□ed□and□□ro□er□□ eas□res□□□□□e□a□en□o□□re□en□□□□□re□ eros□on□□□□o□er□o□e□s□o□d□no□□e□□aced□n□dra□ages□□□ayas□□e□ands□r□□ar□an□areas□or□ □ood□□a□ns□and□□ □s□s□an□across□□e□ea□□res□a□d□s□ance□a□ay□□a□□o□d□no□□ro□□o□e□□□r□□er□ eros□on□□□

□

Range:

Cattleguards

□ □ere□a□□er□ anen□ca□□eg□ard□s□a□□ro□ed□an□a□□ro□□a□e□y□s□ed□ca□□eg□ard□s□s□□□c□en□□o□ carry□o□□□□e□□ro□ec□s□a□□□e□ns□a□ed□and□□ an□a□ned□a□ence□cross□ng□s□□□□□ny□e□s□ng□ ca□□eg□ard□s□on□□□e□access□roads□a□□□e□re□a□red□or□re□□aced□□□□□ey□are□da□aged□or□□a□e□ de□□□ora□ed□□eyond□□rac□ca□□se□□□□e□o□era□or□s□a□□□e□res□ons□□□e□or□□□e□cond□□on□o□□□e□ e□s□ng□ca□□eg□ard□s□□□a□are□n□□ace□and□are□□□□□ed□d□r□ng□□ease□o□era□ons□□□□ga□e□s□a□□□e□ cons□r□c□ed□on□one□s□de□o□□□e□ca□□eg□ard□and□□as□ened□sec□re□y□o□□ □races□□

□

Fence Requirement

□ □ere□en□y□gran□ed□across□a□ence□□ne□□□e□ence□□ □s□□□e□□□raced□or□ang□e□ron□□raced□and□ □□ed□o□□on□o□□s□des□o□□□e□assage□ay□□r□r□o□c□□ng□□Once□□□e□or□□s□co□ □□e□ed□□□e□ence□ □□□e□res□ored□o□s□□r□r□or□cond□□on□or□□e□er□□□□e□o□era□or□s□a□□cons□□□□□e□r□a□e□s□r□ace□ and□o□ner□or□□e□gra□□ng□a□o□□en□□o□der□□r□r□o□c□□ng□any□□ence□s□□□

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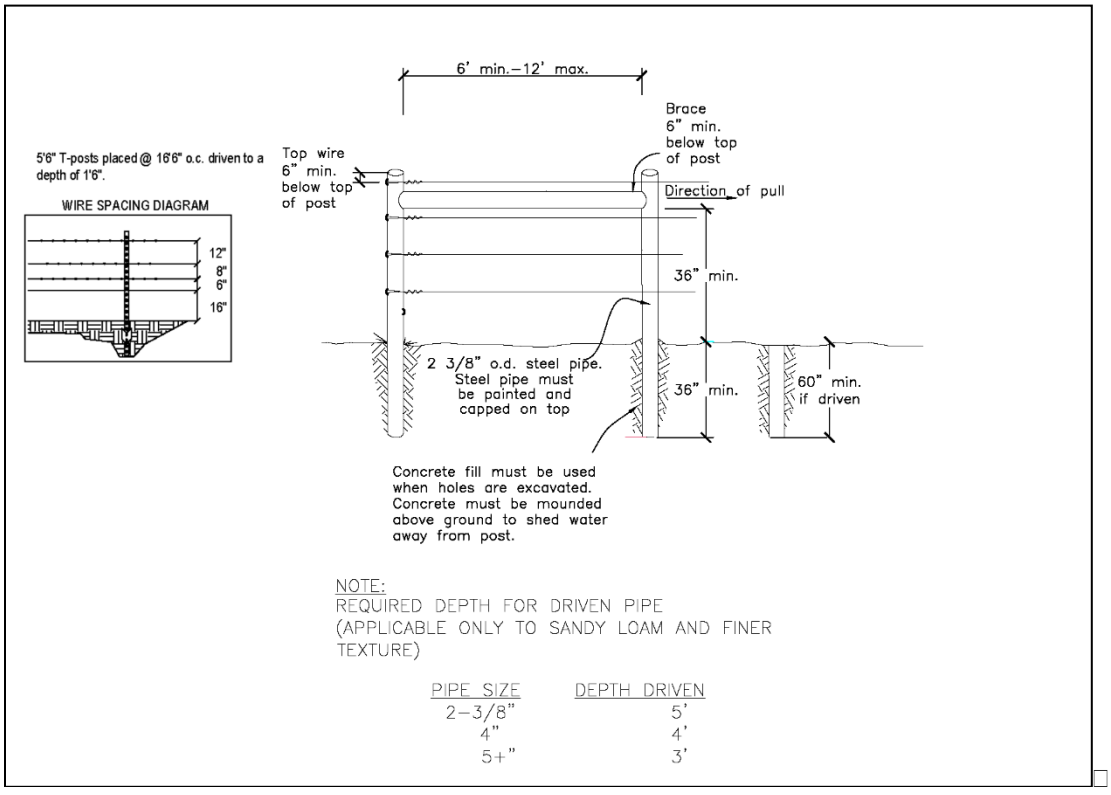

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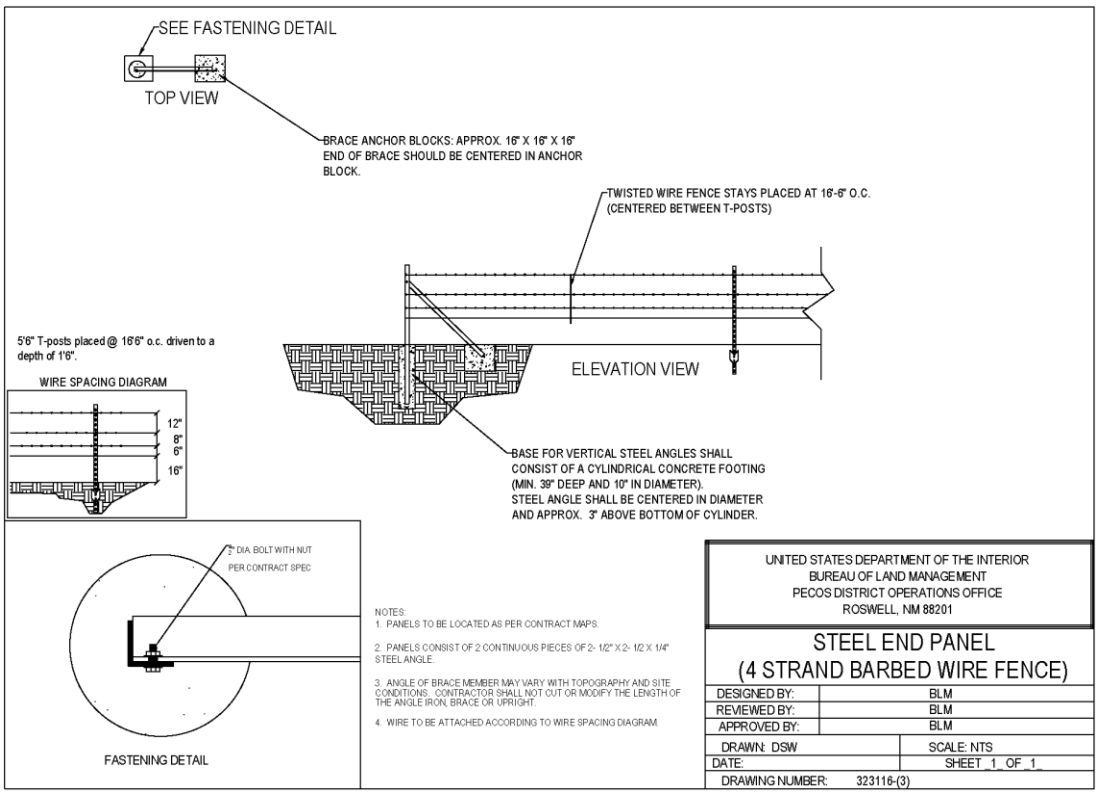


Livestock Watering Requirement

S r c res a ro de a er o es oc s c as nd s e nes dr n ng ro g s and ear en reser o rs e a o ded y o ng e ro osed ac on

OR

ny da age o s r c res a ro de a er o es oc ro g o e e o e e ca sed y o era ons ro e e s e s e ed a e y correc ed y e o era or e o era or s no y e M o ce and e r a e s r ace ando ner or e gra ng a o en o der any da age occ rs o s r c res a ro de a er o es oc

Potash Resources

essees s co y e e Secre ar a o as Order e Order s des gned o anage e e c en de e o en o o gas and o as reso rces Sec on o e Order ro des genera ro sions c s e o o ed o n e con c e een e nd s res and ens re e sa e y o o era ons

o n e ac s o o as reso rces e ro osed e s n Sec on and n S R E s con ned n e o ndar es o e es a s ed G ar c Dr s and

VRM IV:

o e gro nd s r c res nc d ng e er o s ng a are no s ec o sa e y re re en s are an ed a a non re ec e an co or S a e Green ro e M S andard En ron en a Co or C ar CC ne

S or er ga on eas res nc de an ng a a o e gro nd s r c res a are no s ec o sa e y re re en s nc d ng e er o s ng S a e Green c s a a non re ec e an

co or s ed n e M S andard En ron en a Co or C ar CC ne ong er
ga on eas res nc de e re o a o e s and assoc a ed n ras r c re o o ng
a andon en end o cos e ec e rod c on re o s y ac ed areas e rec a ed y
re o ng s r c res and ca c e ads re rn ng d s r ed areas o na ra grade and
re ege a ng an a ro ed M seed re ere y e na ng s a ac s

VI. CONSTRUCTION

A. NOTIFICATION

e M s a ad n s er co ance and on or cons r c on o e access road and e ad
o y e Car s ad e d O ce a a eas or ng days r or o co enc ng
cons r c on o e access road and or e ad

en cons r c on o era ons are e ng cond c ed on s e e o era or s a a e e
a ro ed D and Cond ons o ro a CO on e e s e and ey s a e ade
a a a e on re es y e or ed O cer

B. TOPSOIL

e o era or s a s r e o or on o e so roo one ro e en re e ad area and
s oc e e o so a ong e edge o e e ad as de c ed n e D e roo one s
y ca y s nc es n de e s oc ed o so e ered s r ed o er e n er
rec a a on areas o so s a no e sed or er ng e ad or ac es or na
rec a a on e o so s a e s read o er e en re ad area or seed ng re ara on

O er s so e o s nc es s oc es s e co e e y segrega ed ro e o so
s oc e arge roc s or s so c ods no e den n e s rro nd ng erra n s e r ed
n e a ro ed area or n er and na rec a a on

C. CLOSED LOOP SYSTEM

an s are re red or dr ng o era ons o s

e o era or s a ro er y ds ose o dr ng con en s a an a or ed ds osa s e

D. FEDERAL MINERAL MATERIALS PIT

ay en s a e ade o e M r or o re o a o any ederа ne ra a er a s Ca e
Car s ad e d O ce a

E. WELL PAD SURFACING

S r ac ng o e e ad s no re red

e o era or e ec s o s r ace e e ad e s r ac ng a er a ay e re red o e
re o ed a e e o rec a a on e e ad s a e cons r c ed n a anner c c crea es
e s a es oss e s r aced s r ance cons s en sa e y and o era ona needs

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing

e o era or ns a and an an e cos re enc ng or a o en e ce ars o re en access
o c es oc and arge or s o d e e ore and a er dr ng o era ons n e s

refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS

Road Width

Surfacing

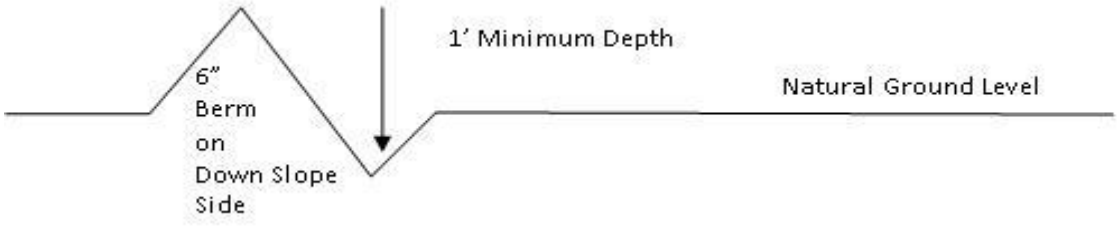
Crowning

Ditching

Turnouts

Drainage

Cross Section of a Typical Lead-off Ditch



Formula for Spacing Interval of Lead-off Ditches

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

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

Public Access

Construction Steps

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

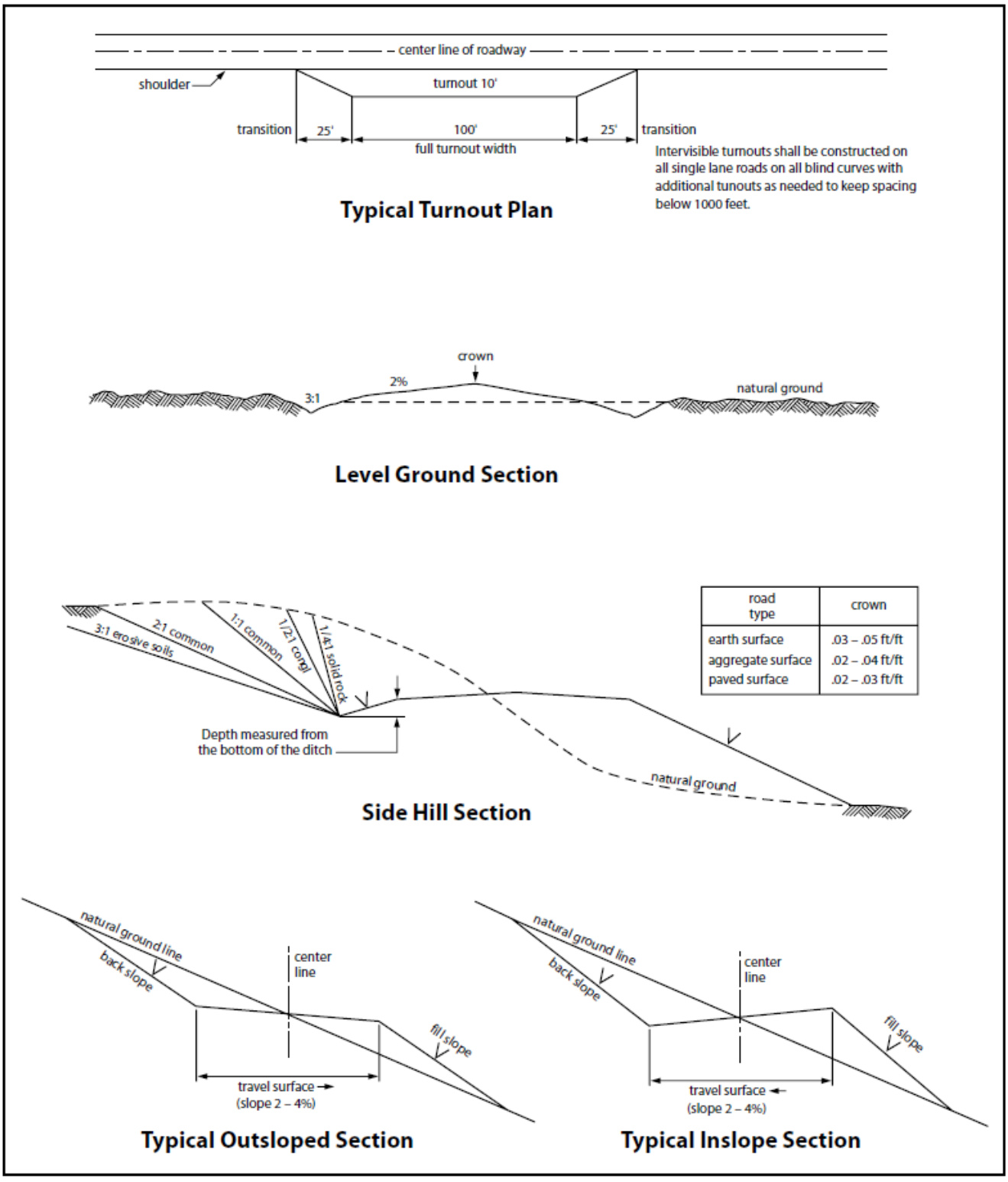


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

Approval Date: 12/19/2024

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

rod c on ac es s o d e aced on e e ad o a o or a er recon o r ng and re ege a on o e e oca on

Exclosure Netting (Open-top Tanks)

ed a e y o o ng ac e dr ng or co e on o era ons e o era or a e ac ons necessary o re en d e and es oc access nc d ng a an d e o a o en o ed an s a con a n or a e e o en a o con a n sa n y s c en o ca se ar o d e or es oc ydrocar ons or Reso rce Conser a on and Reco ery c o e e a ardo s s s ances a n e o era or ne screen or co er o en o ed an s o e c de d e and es oc and re en or a y e o era or ses ne ng e o era or co er and sec re e o en or on o e an o re en d e en ry e o era or ne screen or co er e an s n e o era or re o es e an s ro e oca on or e an s no onger con a n s s ances a co d e ar o d e or es oc se a a ne ng es s e o nc es e ne ng s no e n con ac ds and s no a e o es or ga s

Chemical and Fuel Secondary Containment and Exclosure Screening

e o era or re en a a ardo s o sono s a a e and o c s s ances ro co ng n o con ac so and a er a n e o era or ns a and a n a n an er o s secondary con a n en sys e or any an or arre con a n ng a ardo s o sono s a a e or o c s s ances s c en o con a n e con en s o e an or arre and any dr s ea s and an c a ed rec a on e o era or d s ose o ds n e con a n en sys e a do no ee a ca e s a e or S En ron en a ro ec on gency es oc a er s andards n accordance s a e a e o era or s no dra n e ds o e so or gro nd e o era or des gn cons r c and a n a n a secondary con a n en sys e s o re en d e and es oc e os re o ar s s ances a n e o era or ns a e ec e d e and es oc e c os re sys e s s c as enc ng ne ng e anded e a es ds and gra e co ers se a a ne ng es s e o nc es

Open-Vent Exhaust Stack Exclosures

e o era or cons r c od y e and a n a n a o en en e a s s ac s on rod c on e en o re en rds and a s ro en er ng and o d sco rage erc ng roos ng and nes ng *Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone* rod c on e en nc des ay no e ed o an s ea er rea ers se ara ors de ydra ors are s ac s n ne n s and co ressor ers

Containment Structures

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Painting Requirement

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B. PIPELINES

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- ea de ec on an **will be submitted to the BLM Carlsbad Field Office for approval** r or o e ne ns a a on e e od co d ncor ora e ga ges o de ec ress re dro s s a ng a es and nes so ey can e s a y ns ec ed er od ca y or ns a ng e ec ron c sensors o a ar en a ea s resen e ea de ec on an ncor ora e an a o a c s o sys e a e ns a ed or ro osed e nes o n e e ec s o an ndes ra e en
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R ED E E S O S

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cons r c on and a n enance ac y e con ned o e a or ed rg o ay

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30ft wide buried pipeline requirements

e a a o a e d s r ance or cons r c on n s rg o ay e **30** ee

- ad ng o ege a on n e rg o ay e a o ed a d o ad ng o era ons no e ceed **20** ee e renc s nc ded n s area *Blading is defined as the complete removal of brush and ground vegetation*

- C ear ng o r s s ec es n e rg o ay e a o ed a d o c ear ng o era ons no e ceed **30** ee e renc and aded area are nc ded n s area *Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*

- e re a n ng area o e rg o ay any s a on y e d s r ed y co ress ng e ege a on *Compressing can be caused by vehicle tires, placement of equipment, etc.*

50ft wide buried pipeline requirements

e a a o a e d s r ance or cons r c on n s rg o ay e **50** ee

• ad ng o ege a on n e rg o ay e a o ed a d o ad ng o era ons no e ceed **33** ee e renc s nc ded n s area ad ng s de ned as e co e e re o a o r s and gro nd ege a on

• C ear ng o r s s ec es n e rg o ay e a o ed a d o c ear ng o era ons no e ceed **50** ee e renc and aded area are nc ded n s area C ear ng s de ned as e re o a o r s e ea ng gro nd ege a on grasses eeds

ec nac Cearng s es acco s ed y o dng e ade o nc es a o e e gro nd s race

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60ft de red e ne re re en s

□e a □ a o a e d s r ance or cons r c on n s rg o ay e **60** ee

□

• □ ad ng o ege a on n erg o ay e a o ed a □ d o ad ng o era ons no e ceed **40** ee e renc s nc ded n s area ad ng s de ned as e co e re o a o r s and gro nd ege a on

□

• □ C earng o r s s ec es n erg o ay e a o ed a □ d o c earng o era ons no e ceed **60** ee e renc and aded area are nc ded n s area C earng s de ned as e re o a o r s e ea ng gro nd ege a on grasses eeds ec nac Cearng s es acco s ed y o dng e ade o nc es a o e e gro nd s race

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• □ e re a ng area o erg o ay any s a on y e d s r ed y co ress ng e ege a on Co ress ng can e ca sed y e c e res ace en o e en ec

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

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

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

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

The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. If it is determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

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

OR

The entire project is covered under the Permian Basin Programmatic Agreement (cultural resources only).

The proponent has contributed funds commensurate to the undertaking into an account for offsite mitigation. Participation in the PA serves as mitigation for the effects of this project on cultural resources. If any human remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and the BLM will be notified as soon as possible within 4 hours. Work shall not resume until a Notice to Proceed is issued by the BLM. See Stipulation [illegible] for more information.

If the proposed project is within the area of a Class III inventory and a Permian Basin Programmatic Agreement contribution, the portion of the project covered under Class III inventory should default to the first paragraph stipulations.

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

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

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

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

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

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

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

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

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

[illegible] Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, Holder shall comply with the Toxic Substances Control Act of [illegible], as amended, [illegible] U.S.C. [illegible] *et seq.* [illegible] with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant (*see* [illegible] CFR, Part [illegible] and especially, provisions on polychlorinated biphenyls, [illegible] CFR [illegible]). Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by [illegible] CFR, Part [illegible] shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act, section [illegible]. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.

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

[illegible] Holder shall be liable for damage or injury to the United States to the extent provided by [illegible] CFR Sec. [illegible]. Holder shall be held to a standard of strict liability for damage or injury to the United States resulting from [illegible] caused or substantially aggravated by any of the following within the right-of-way or permit area:

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

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

c) Acts of God.

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

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

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

of any responsibility as provided herein.

2. All construction and maintenance activity shall be confined to the authorized right-of-way width of ___ feet. If the flowline route follows an existing road or buried flowline right-of-way, the surface flowline shall be installed no farther than 10 feet from the edge of the road or buried flowline right-of-way. If existing surface flowlines prevent this distance, the proposed surface flowline shall be installed immediately adjacent to the outer surface flowline. All construction and maintenance activity shall be confined to existing roads or right-of-ways.

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

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

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

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

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

8. Excluding the pipe, all above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

9. The flowline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the flowline.

10. The holder shall not use the flowline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the flowline route is not used as a roadway.

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

 Approval Date: 12/19/2024

Officer after consulting with the holder.

OR

The entire project is covered under the Permian Basin Programmatic Agreement for cultural resources only.

The proponent has contributed funds commensurate to the undertaking into an account for offsite mitigation. Participation in the PA serves as mitigation for the effects of this project on cultural resources. If any human remains or other cultural items, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and the BLM will be notified as soon as possible within 24 hours. Work shall not resume until a Notice to Proceed is issued by the BLM. See Stipulation for more information.

If the proposed project is subject to both a Class III inventory and a Permian Basin Programmatic Agreement contribution, the portion of the project covered under Class III inventory should default to the first paragraph stipulations.

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

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

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

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

C. ELECTRIC LINES

- Smaller power lines will be routed around sinkholes and other karst features to avoid or lessen the possibility of encountering near surface voids and to minimize changes to runoff or possible leaks and spills from entering karst systems. Larger power lines will adjust their pole spacing to avoid cave and karst features.
- The BLM Carlsbad Field Office will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction.

- No further construction will be done until clearance has been issued by the Authorized Officer.
- Special restoration stipulations or realignment may be required.

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

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

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

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

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

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

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

5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Raptor Protection on Power lines: The State of the Art in 1996." Edison Electric Institute, APLIC, and the California Energy Commission 1996. The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proofs shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

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

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e M e no ed as soon as oss e n o rs or s a no res e n a o ce
o roceed s ss ed y e M See S a on or ore n or a on

e ro osed ro ec s s e een a C ass n en ory and a er an as n rogra a c
gree en con r on e or on o e ro ec co ered nder C ass n en ory s o d de a
o e rs aragra s a ons

e o der s ere y o ga ed o co y roced res es a s ed n e a e erican
Gra es ro ec on and Re a r a on c G R o ro ec s c c ra e s as an
re a ns assoc a ed nerary o ec s sacred o ec s and o ec s o c ra a r ony
d sco ered nad er en y d r ng e co rse o ro ec e en a on n e e en a any o e
c ra e s s ed a o e are d sco ered d r ng e co rse o ro ec or e ro onen s a
ed a e y a e d s r ance and con ac e M n o rs or ns r c ons e
ro onen or n a or o any ro ec s a e ed res ons e or ro ec ng e a a ng re or ng
e ca a ng rea ng and d s os ng o ese c ra e s accord ng o e roced res
es a s ed y e M n cons a on nd an r es"

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

Special Stipulations:

For reclamation remove poles, lines, transformer, etc. and dispose of properly.

Fill in any holes from the poles removed.

VIII. INTERIM RECLAMATION

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

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

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

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

O era ors s a con ac a M s r ace ro ec on s ec a s r or o s r ace a andon en o era ons or s e s ec c o ec es os

Gro nd e e andoned e Mar er o a o d ra or erc ng on e gg ng and s se en a andon en o e e e e ar er ns a ed a gro nd e e on a a e con a n ng e er nen n or a on or e gged e

Seed Mixture 2, for Sandy Sites

e o ders a seed a d s r ed areas e seed re s ed e o e seed re s a e an ed n e a o n s s ec ed n o nds o re e seed S er acre ere s a e no r ary or secondary no o s eeds n e seed re Seed e es ed and e a y es ng o seed e done n accordance S a e a s and n n ne on s r or o rc ase Co erc a seed e e er cer ed or reg s ered seed e seed con a ner e agged n accordance S a e a s and a a a e or ns ec on y e a or ed o cer

Seed e an ed s ng a dr e ed a de reg a or o ens re ro er de o an ng ere dr ng s oss e e seed re e e en y and n or y an ed o er e d s r ed area s a er ea er seeds a e a endency o dro e o o o e dr and are an ed rs e o ders a a e a ro r a e eas res o ens re s does no occ r ere dr ng s no oss e seed e roadcas and e areas a e ra ed or c a ned o co er e seed en roadcas ng e seed e o nds er acre are o e do ed e seed ng e re ea ed n a sa s ac ory s and s es a s ed as de er ned y e a or ed o cer E a a on o gro no e ade e ore co e on o a eas one gro ng season a er seed ng

S ec es o e an ed n o nds o re e seed er acre

S ec es					acre
Sand dro seed S oro o s cry andr s					
Sand o e grass Eragros s r c odes					
a ns r s egrass Se ar a acros ac ya					

o nds o re e seed

o nds o seed x ercen r y x ercen ger na on o nds re e seed

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMNM030452**
LOCATION:	Sec. 14, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 23 DTD 544H
SURFACE HOLE FOOTAGE:	645'/S & 547'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 1191'/E

COA

H_2S	○ No		○ Yes	
Potash / WIPP	○ None	◉ Secretary	○ R-111-Q	☐ Open Annulus ☐ WIPP
	Choose an option (including blank option.)			
Cave / Karst	◉ Low	○ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☑ Primary Squeeze	☐ Cont. Squeeze	☑ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☐ COM	☑ Unit
Waste Prev.	○ Self-Certification	○ Waste Min. Plan	◉ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose ☑ 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 **13-3/8** inch surface casing shall be set at approximately **780** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

Approval Date: 12/19/2024

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

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

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

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

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6649'.**

b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement should be tie-back at least **500ft** into previous casing string. 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, or potash.

Operator has proposed to pump down Intermediate 1 X Intermediate 2 annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the Intermediate 1 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.

4. 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. **Excess calculates to 14%. Additional cement maybe required**.

 Approval Date: 12/19/2024

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).

1. 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.

Approval Date: 12/19/2024

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 12/2/2024
575-234-5998 / zstevens@blm.gov

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

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

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

Ignition of Gas source

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

Characteristics of H_2S and SO_2

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

Contacting Authorities

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

CARLSBAD OFFICE – EDDY & LEA COUNTIES

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

XTO PERSONNEL:

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

SHERIFF DEPARTMENTS:

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

NEW MEXICO STATE POLICE: 575-392-5588

FIRE DEPARTMENTS: 911

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

HOSPITALS: 911

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

AGENT NOTIFICATIONS:

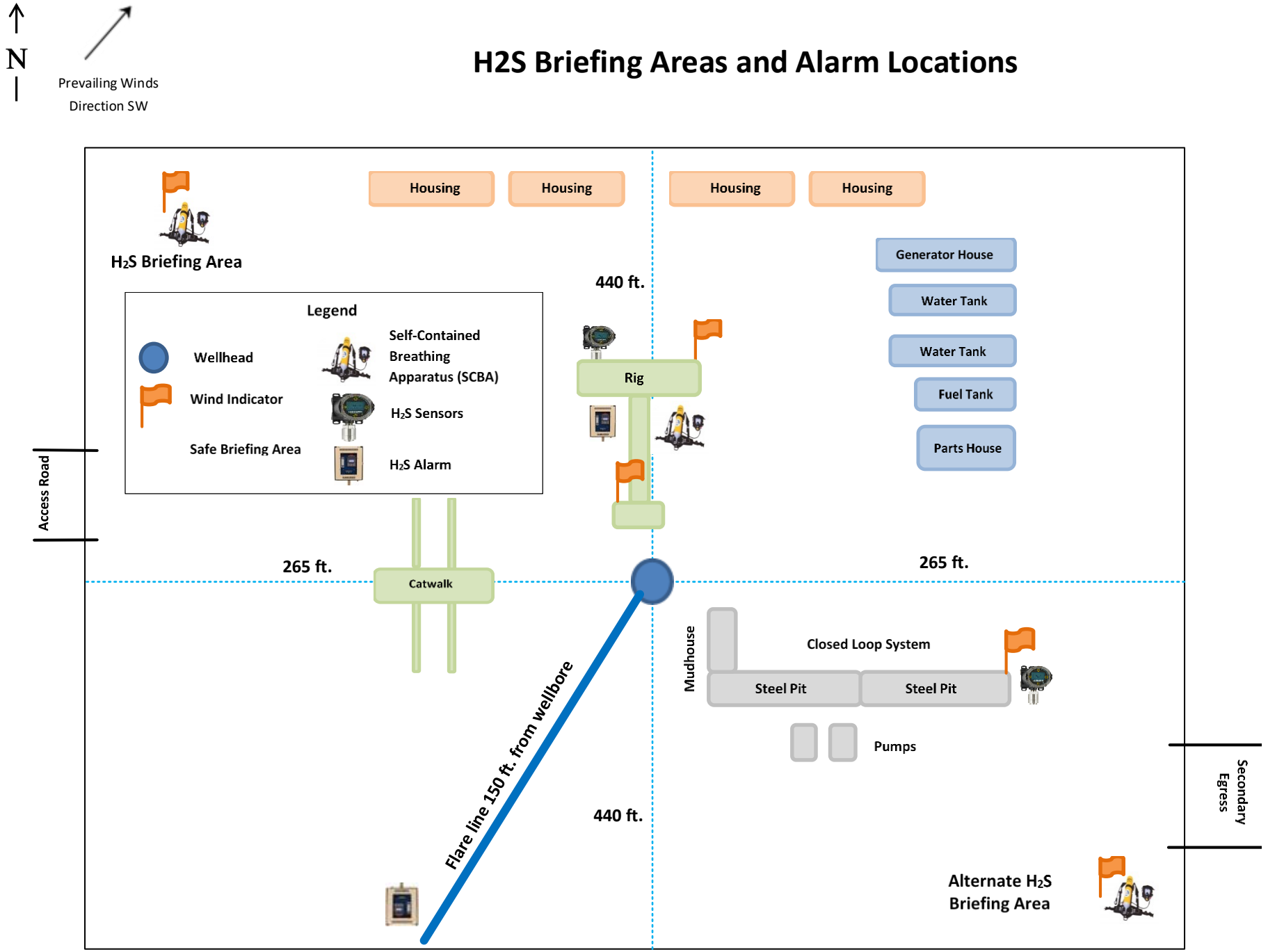
For Lea County:

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

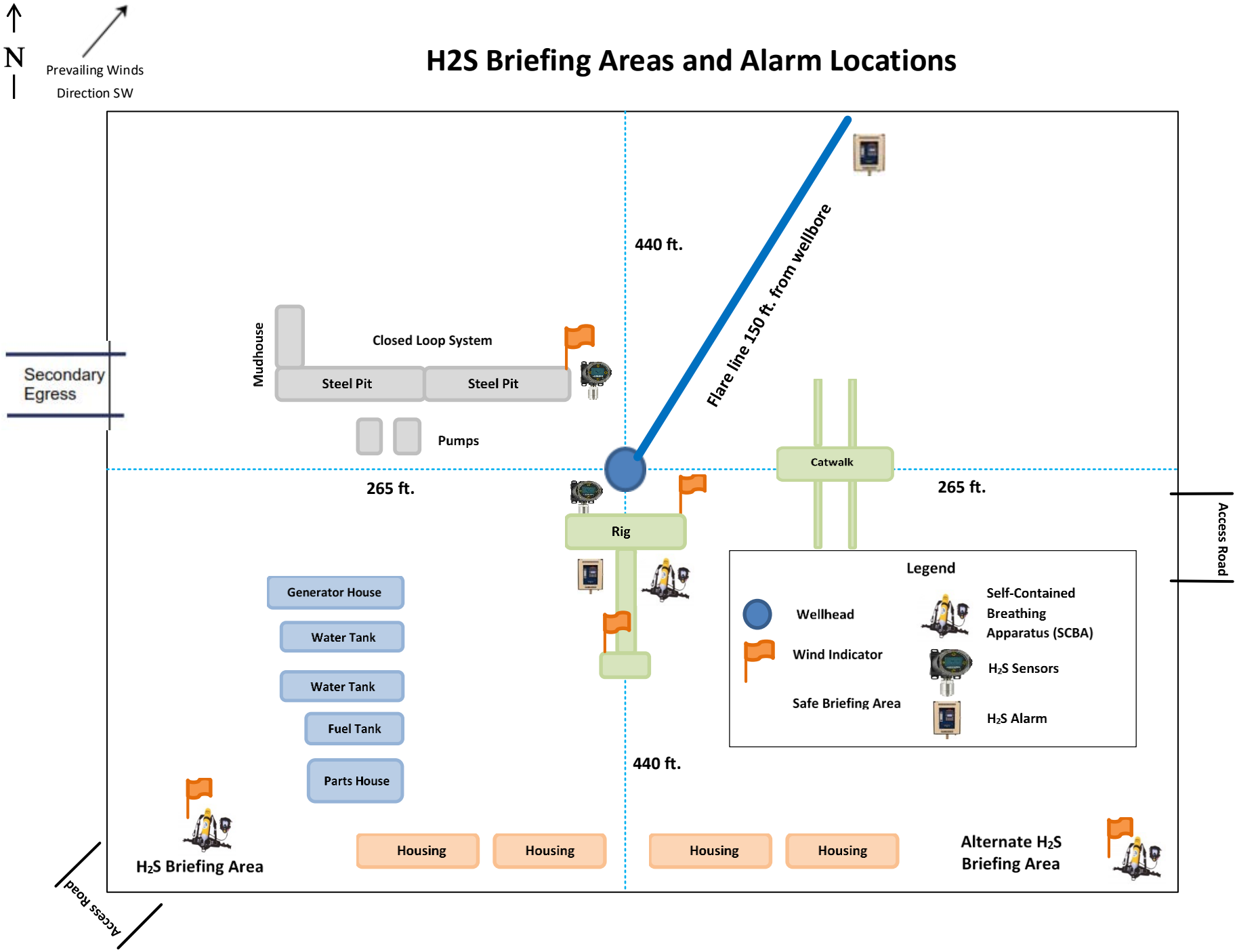
For Eddy County:

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

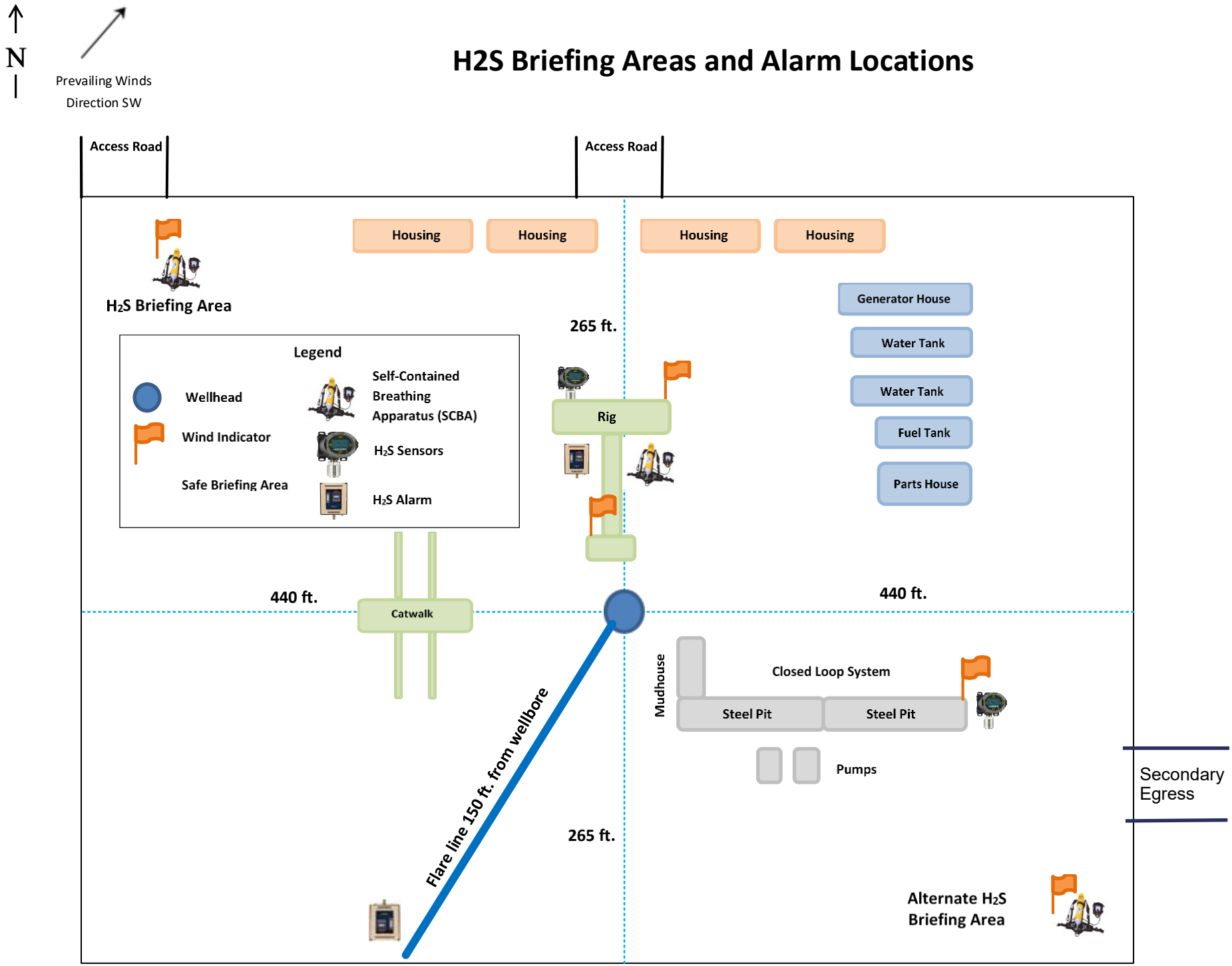
H2S Briefing Areas and Alarm Locations



H2S Briefing Areas and Alarm Locations



H2S Briefing Areas and Alarm Locations



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

SUPO Data Report
12/20/2024

APD ID: 10400098061
Submission Date: 04/16/2024
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: POKER LAKE UNIT 23 DTD
Well Number: 544H
Well Type: CONVENTIONAL GAS WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

PLU_23_DTD_544H_Road_20240414135946.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? YES

ROW ID(s)

ID: 281001

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

PLU_23_DTD_1Mile_20240411175145.pdf

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

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: A. Production Facilities. We have one existing facility pad PLU 23 DTD CVB, located in Section 14-24S-30E NMPM, Eddy County, New Mexico. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment. B. Buried & Surface Flowlines. There are no new flowlines planned for this development as of now and we would be using the existing flowlines for this development phase of this project. C. Midstream Tie-In. no new midstream tie-ins are needed. D. Disposal Facilities. Produced water will be hauled from location to a commercial disposal facility as needed. Once wells are drilled and completed, a 3160-5 sundry notification will be submitted to BLM. E. Flare. A flare is currently located on the PLU 23 DTD CVB. F. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as shale green that reduce the visual impacts of the built environment. G. Containment Berms. Containment berms shall be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1 times the capacity of the largest tank and away from cut or fill areas. H. Electrical. No new electrical lines are requested.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

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

Water source use type: DUST CONTROL

SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

STIMULATION

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 2000000

Source volume (acre-feet): 257.78619266

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Source volume (gal): 84000000

Water source type: OTHER

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

Water source use type: INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE
TRUCKING

Source land ownership: COMMERCIAL

Source transportation land ownership: FEDERAL

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

Source volume (gal): 84000000

Water source and transportation

PLU_23_DTD_544H_Wtr_20240414123134.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The fresh water will be obtained from a 3rd party vendor and hauled by transport truck using the existing and proposed roads depicted in the attached exhibits and using 4" HDPE pipelines. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Texas Pacific Water Resources or Select or XRI Water for drilling, completion and dust control will be supplied by ether of the 3-party company for sale to XTO Permian Operating, LLC from Section 27, T25S-R30E, Eddy County, NM. If Texas Pacific Water Resources does not have the appropriate water for XTO at time of drilling and completion, then XTO water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, NM or from S15 T24S R30E, NM. Anticipated water usage for drilling includes an estimated 50,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Temporary water flowlines will be permitted via ROW approval letter and proper grants as-needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 500,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections.

New water well? N

New Water Well Info

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

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

Well target aquifer:

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

Aquifer comments:

Aquifer documentation:

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

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

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

Drilling method: **Drill material:**

Grout material: **Grout depth:**

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

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: NO

Construction Materials description:

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Fluid

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel mud boxes

Safe containmant attachment:

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

Disposal type description:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

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

Safe containmant attachment:

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

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

Waste type: SEWAGE

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

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

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

Safe containmant attachment:

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

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

Waste type: GARBAGE

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

Amount of waste: 250 pounds

Waste disposal frequency : Weekly

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Safe containmant attachment:

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

Disposal type description:

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

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

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

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

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

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Section 9 - Well Site

Well Site Layout Diagram:

PLU_23_DTD_544H_Well_20240414123323.pdf

PLU_23_DTD_544H_RL_20241008065015.pdf

Comments: Multi-well pad.

Section 10 - Plans for Surface Reclamation

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

Multiple Well Pad Number: D

Recontouring

PLU_23_DTD_IR1_20240411181254.pdf

PLU_23_DTD_IR2_20240411181254.pdf

PLU_23_DTD_IR3_20240411181254.pdf

PLU_23_DTD_IR4_20240411181254.pdf

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

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

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.

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

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

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

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

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

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

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

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

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

Existing invasive species treatment description:

Existing invasive species treatment

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

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

Success standards: 100% compliance with applicable regulations.

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

Section 11 - Surface Ownership

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Disturbance type: TRANSMISSION LINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Disturbance type: OTHER

Describe: FLOWLINE

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD **Well Number:** 544H

Section 12 - Other

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

ROW

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

Use a previously conducted onsite? Y

Previous Onsite information: The XTO Permian Operating, LLC. representatives and BLM NRS were on location for onsite on 04/15/2021.

Other SUPO

PLU_23_DTD_SUPO_Rev2_20241008065151.pdf

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 414440
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
slaghuvarapu	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/20/2024
slaghuvarapu	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/20/2024
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	1/7/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/7/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	1/7/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	1/7/2025