Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5 Lease Serial No. NMNM030452 BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. ✓ DRILL REENTER 1a. Type of work: NMNM071016X/POKER LAKE UNIT 1b. Type of Well: Oil Well ✓ Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing ✓ Single Zone Multiple Zone POKER LAKE UNIT 23 DTD 542H 2. Name of Operator 9. API Well No. XTO PERMIAN OPERATING LLC 30-015-55912 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory PURPLE SAGE/WOLFCAMP (GAS) 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND, TX 7970 (432) 683-2277 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area SEC 14/T24S/R30E/NMP At surface SESE / 645 FSL / 607 FEL / LAT 32.212412 / LONG -103.844924 At proposed prod. zone SWNE / 2627 FNL / 1385 FEL / LAT 32.174403 / LONG -103.847431 12. County or Parish 14. Distance in miles and direction from nearest town or post office* 13 State **EDDY** NM 9.3 miles 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well 607 feet location to nearest 1600.0 property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, 30 feet FED: COB000050 11532 feet / 24472 feet applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 3443 feet 07/06/2025 45 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. SUPO must be filed with the appropriate Forest Service Office). 6. Such other site specific information and/or plans as may be requested by the 25. Signature Name (Printed/Typed) Date (Electronic Submission) RICHARD REDUS / Ph: (432) 682-8873 04/16/2024 Title Permitting Manager Approved by (Signature) Name (Printed/Typed) Date (Electronic Submission) CODY LAYTON / Ph: (575) 234-5959 11/22/2024 Title Office Assistant Field Manager Lands & Minerals Carlsbad Field Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

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



*(Instructions on page 2)



Application for Permit to Drill

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

Date Printed: 11/26/2024 12:24 PM

APD Package Report

APD ID: 10400098058 Well Status: AAPD

APD Received Date: 04/16/2024 10:21 AM Well Name: POKER LAKE UNIT 23 DTD

Operator: XTO PERMIAN OPERATING LLC Well Number: 542H

APD Package Report Contents

- Form 3160-3
- Operator Certification Report
- Application Report
- Application Attachments
 - -- Well Plat: 1 file(s)
- Drilling Plan Report
- Drilling Plan Attachments
 - -- Blowout Prevention Choke Diagram Attachment: 1 file(s)
 - -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
 - -- Casing Spec Documents: 2 file(s)
 - -- Casing Taperd String Specs: 2 file(s)
 - -- Casing Design Assumptions and Worksheet(s): 4 file(s)
 - -- Hydrogen sulfide drilling operations plan: 1 file(s)
 - -- Proposed horizontal/directional/multi-lateral plan submission: 1 file(s)
 - -- Other Facets: 6 file(s)
 - -- Other Variances: 4 file(s)
- SUPO Report
- SUPO Attachments
 - -- Existing Road Map: 1 file(s)
 - -- Attach Well map: 1 file(s)
 - -- Water source and transportation map: 1 file(s)
 - -- Well Site Layout Diagram: 2 file(s)
 - -- Recontouring attachment: 4 file(s)
 - -- Other SUPO Attachment: 1 file(s)
- PWD Report
- PWD Attachments
 - -- None

- Bond Report
- Bond Attachments
 - -- None

Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. **BUREAU OF LAND MANAGEMENT** APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: Gas Well Oil Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing Single Zone Multiple Zone 9. API Well No. 2. Name of Operator 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 11. Sec., T. R. M. or Blk. and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, applied for, on this lease, ft. 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. 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. SUPO must be filed with the appropriate Forest Service Office). 6. Such other site specific information and/or plans as may be requested by the BLM. Name (Printed/Typed) Date 25. Signature Title Approved by (Signature) Date Name (Printed/Typed) 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.



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.

Additional Operator Remarks

Location of Well

0. SHL: SESE / 645 FSL / 607 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.212412 / LONG: -103.844924 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 100 FNL / 1399 FEL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.210362 / LONG: -103.847494 (TVD: 11532 feet, MD: 12200 feet)
PPP: NWNE / 0 FSL / 1374 FEL / TWSP: 24S / RANGE: 30E / SECTION: 26 / LAT: 32.196141 / LONG: -103.84747 (TVD: 11532 feet, MD: 17500 feet)
BHL: SWNE / 2627 FNL / 1385 FEL / TWSP: 24S / RANGE: 30E / SECTION: 35 / LAT: 32.174403 / LONG: -103.847431 (TVD: 11532 feet, MD: 24472 feet)

BLM Point of Contact

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

Review and Appeal Rights

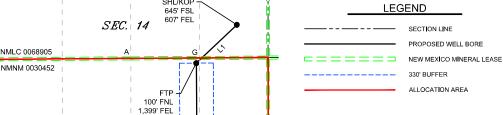
A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North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

	<u>C-10</u> 2	2 electronically	v			State of New Minerals & Natural L CONVERSIO	l Resources Departmen	ıt		K	evised July, 09
		D Permitting								☑ Initial Sub	nittal
									Submita		
									Type:	☐ As Drilled	1
						WELL LOCAT	TON INFORMATION				
	API Nu			Pool Code		I	Pool Name	DI E CACE	. WOL 5	CAMP (CAC)	
	Property		5-55912	Property N	9822 ame	0	PUR	PLE SAGE	; WOLF	Well Number	
			5598	. ,		POKER LA	AKE UNIT 23 DTD			;	542H
	OGRID	No. 37307	75	Operator N	lame	XTO PERMIA	N OPERATING, LL	c		Ground Level	Elevation 3,443'
	Surface	Owner: S	State Fee	Tribal 🛛 Fe	deral		Mineral Owner:	State Fee	☐Tribal ∑	☑ Federal	
						S	II-l- Id				
	UL	Section	Township	Range	Lot	Ft. from N/S	Hole Location Ft. from E/W	Latitude		Longitude	County
	Р	14	24\$	30E		645 FSL	607 FEL	32.212	412	-103.844924	EDD
						Bottom	Hole Location				
	UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
	G	35	24\$	30E		2,627 FNL	1,385 FEL	32.174	403	-103.847431	EDD
	Dadicat	ted Acres	Infill or Defi	ning Wall	Definin	g Well API	Overlapping Spacing	Unit (V/N)	Canaalida	ation Code	
		600.00		illL	Denimi	g well Ari	Y	Ollit (1/N)	Consonda	u U	
D ≫	Order N	Numbers.					Well Setbacks are und	der Common C	wnership:	⊠Yes □No	
∪—102.awg						W. I. O.	es D. L. (ZOD)				
	UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
542H \DWG\542H	Р	14	24\$	30E		645 FSL	607 FEL	32.212	412	-103.844924	EDD
<u>×</u>						First Ta	ke Point (FTP)				
547	UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
!	В	23	24S	30E		100 FNL	1,399 FEL	32.210	362	-103.847494	EDD
5 5				1			ke Point (LTP)				
	UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude		Longitude	County
	G	35	24S	30E		2,537 FNL	1,386 FEL	32.174	650	-103.847434	EDD
	Unitized	d Area or Are	ea of Interest					Grou	nd Elevation	n	
EDDY\Wells\-68		NMNN	/ 1105422429)	Spacing U	Jnit Type: Horizo	ontal			3,443'	
	OPERA	TOR CERT!	IFICATIONS				SURVEYOR CERTIFIC	CATIONS			
DTD -				contained her	ein is true a	and complete to the	I hereby certify that the	well location s	hown on thi	is plat was plotted j	rom field note
7 67	that this	s organization	n either owns a v	working intere	est or unlea:	directional well, sed mineral interest	actual surveys made by r correct to the best of my		supervisio	on, and that the sam	ne is true and
PLU	at this le	ocation pursu	the proposed be uant to a contrac terest, or a volun	et with an own	er of a wor					DILLON	
l S			etofore entered l			. a companion,			Į,	ALL MEXICO	ALS.
60> JIIIO	receivea	d the consent	ontal well, I furt of at least one l	essee or owne	r of a work	ing interest or				00700	
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	_	Debastia	n	Date			Signature and Seal of Pro	ofessional Surv			
	Terra Signatur	re									
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- NM (UUS Poker	Signatur Terro	a Sebast	ian				MARK DILLON HARP 237		f Curror-	10/28/2024	
.nergy — NM (UUS Poker Lake	Terro Printed	a Sebast Name		2 mms = 1 · 1			MARK DILLON HARP 237 Certificate Number		f Survey	10/28/2024	
Ellergy - Nim (000 Fokel	Terro Printed	a Sebast ^{Name} .b.sebasi	tian tian@exxo	onmobil.	com				f Survey	10/28/2024	
NM (UCS Foker	Terro Printed terra.	a Sebast ^{Name} .b.sebasi		onmobil.	com				f Survey	10/28/2024	3.09-68

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.

ations will be in reference to the New Mexico Principal Meridian. If the land in



	LINE TABLE								
LINE	AZIMUTH	LENGTH							
L1	226*33'09"	1,090.05							
L2	179*39'24"	13,081.37							

COORDINATE TABLE									
SHL/KOP (NAD 83 NME) SHL/KOP (NAD 27 NME)									
Y =	441,352.9	N	Y =	441,293.8	N				
X =	692,389.3	E	X =	651,205.5	Е				
LAT. =	32.212412		LAT. =						
	103.844924			103.844438					
	IAD 83 NME			NAD 27 NME					
Y =			Y=						
X =	691,597.9		X =	650,414.1					
LAT. =	32.210362		LAT. =	32.210238					
	103.847494		LONG -	103.847008					
	(NAD 83 NM			(NAD 27 NM					
			Y=						
Υ=	435,430.1			435,371.2					
X =	691,628.6		X =	650,444.7					
LAT. =	32.196141		LAT. =	32.196017					
	103.847470			103.846985					
	(NAD 83 NM			(NAD 27 NM					
Y =	430,149.6		Y =	,					
X =	691,660.0		X =	650,475.8					
LAT. =	32.181626	°N	LAT. =	32.181502	٩N				
LONG. =	103.847446	°W	LONG. =	103.846961	٥Ν				
LTP (IAD 83 NME)	LTP (I	NAD 27 NME)				
Y =	427,612.1		Y =	427,553.4					
X =	691,675.0		X =	650,490.8					
LAT. =	32.174650		LAT. =						
	103.847434			103.846950					
	NAD 83 NME			NAD 27 NME					
Y=			Y=						
X =			X =						
	691,676.3			650,492.1					
LAT. =	32.174403		LAT. =	32.174279					
	103.847431				°W				
	NER COOR				_				
A - Y =	440,695.8		A - X =	690,318.7					
B - Y =	438,055.8		B-X=	690,325.0					
C - Y =	435,421.3		C-X=	690,331.2					
D - Y =	432,784.0		D-X=	690,347.4					
E - Y =	430,145.2	Ν	E - X =	690,363.6	Е				
F-Y=	427,508.2	N	F-X=	690,393.8	Е				
G-Y=	440,703.6	N	G-X=	691,657.9	E				
H-Y=	438,063.2	N	H-X=	691,663.1	Е				
I-Y=	435,430.3	N	I-X=	691,666.7	Ε				
J - Y =	432,788.9		J - X =	691,684.1					
K-Y=	430,149.6		K-X=	691,701.7					
L-Y=	427,512.3		L-X=	691,727.9					
	NER COOR				_				
A - Y =	440,636.8		A - X =	649,135.0	F				
B-Y=	437,996.8		B-X=	649,141.1					
C-Y=	435,362.4		C-X=	649,147.3					
D-Y=	432,725.2		D-X=	649,163.4					
E-Y=	430,086.5		E-X=	649,179.4					
F-Y=	427,449.5		F-X=	649,209.6					
G-Y=	440,644.6		G-X=	650,474.1					
	438,004.2	N	H-X=	650,479.3					
H - Y =					_				
H - Y =	435,371.5		I-X=	650,482.8					
H - Y = I - Y = J - Y =	435,371.5 432,730.1	N	J - X =	650,500.1	Е				
H - Y =	435,371.5	N		,	Е				

618.013003.09-68

not	surveyed, contact the	est United States gove OCD Engineering Bu	rnment survey or or or coreau. Independent	lependent resurvey. Well subdivision surveys will
		SEC.	645' FS	SL
=	NMLC 0068905 NMNM 0030452	<u> </u>		G /
	NWINW 0030432		FTP - 100' FNL 1,399' FEL	
=		SEC. 23	B	
	!	I		
	NMNM 002862	 		PPP #1 0' FSL 1,374' FEL
542H\DWG\542H C-102.dwg		 	 	
23 DTD -		SEC. 26 T-24-S R-30-E	 D	- J +
- s/-68 - PLU		! ! !	 	
EDDY\Well		 	1	K
PLU 23 DTD -	NMLC 0061705B		 	PPP #2 0' FSL 1,380' FEL
- Unit\.09 -	12/24/2024	 	 	LTP 2,537' FNL 1,386' FEL
Laķ		SEC. 35	↓ ∏F	
NM\003 Poker		 	;;; 	BHL 2,627' FNL 1,385' FEL
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122				

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: ⊠ Orig	ginal □ Amendment due to □ 19.15	.27.9.D(6)(a) NM	AC □ 19.15.27.9.I	(6)(b) NMAC □ Other.	
If Other, please de	escribe:				

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	Anticipat ed Oil BBL/D	3 yr Anticipat ed Decline oil BBL/D	Anticipat ed 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	Completion	Initial Flow	First Production
			Date	Commencement Date	Back Date	Date
Poker Lake Unit 23 DTD 104H	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
Poker Lake Unit 23 DTD 193H	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
Poker Lake Unit 23 DTD 441H	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
Poker Lake Unit 23 DTD 442H	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
Poker Lake Unit 23 DTD 443H	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>

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

 $[\]textbf{VI. Separation Equipment:} \ \boxtimes \ A ttach \ 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:

for which confidentiality is asserted and the basis for such assertion.

We	ell	API	Anticipated Average Natural Gas Rate MCF/I	Anticipated Volume of Natural Gas for the First Year MCF
K. Natural Gas Gat	hering System (NC	GGS):		
Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in
production operation	s to the existing or j	planned interconnect of t		nticipated pipeline route(s) connecting them(s), and the maximum daily capacity onected.
		thering system 🗵 will [or the date of first production]		gather 100% of the anticipated natural g
				ted to the same segment, or portion, of to the pressure caused by the new well(s
☐ Attach Operator's	s plan to manage pro	oduction in response to the	he 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

Section 3 - Certifications Effective May 25, 2021

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

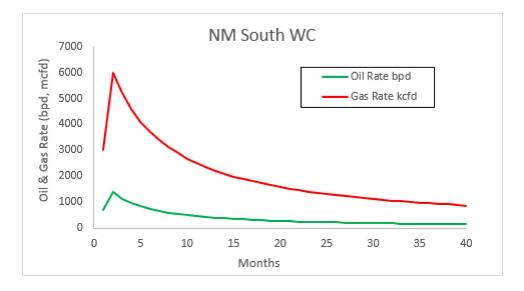
XTO Permian Operating LLC will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

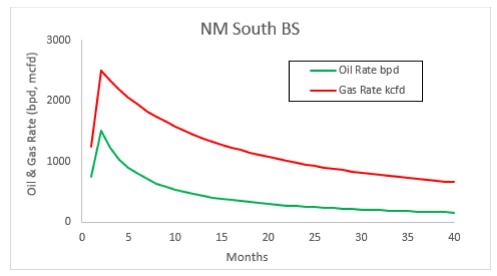
- During drilling operations, XTO will utilize flares to capture and control natural gas, where technically feasible. If flaring is deemed technically in-feasible, XTO will employ best management practices to minimize or reduce venting to the extent possible.
- During completions operations, XTO will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically infeasible, 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.







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

Drilling Plan Data Report 11/26/2024

APD ID: 10400098058

Submission Date: 04/16/2024

Highlighted data reflects the most recent changes

Operator Name: XTO PERMIAN OPERATING LLC

Well Number: 542H

Well Name: POKER LAKE UNIT 23 DTD

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
14549548	QUATERNARY	3443	0	0	ALLUVIUM	USEABLE WATER	N
14549549	RUSTLER	2090	1353	1353	ANHYDRITE	USEABLE WATER	N
14549550	SALADO	1687	1756	1756	POTASH, SALT	POTASH	N
14549551	BASE OF SALT	-506	3949	3949	ANHYDRITE, DOLOMITE, POTASH	POTASH	N
14549552	DELAWARE	-700	4143	4143	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549553	BRUSHY CANYON	-3206	6649	6649	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549554	BONE SPRING	-4495	7938	7938	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549555	BONE SPRING 1ST	-5266	8709	8709	SANDSTONE, SHALE, SILTSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549556	BONE SPRING 2ND	-5868	9311	9311	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549557	BONE SPRING 3RD	-6635	10078	10078	LIMESTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	N
14549558	WOLFCAMP	-7969	11412	11412	SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M Rating Depth: 11532

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 request a break test 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

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

Choke Diagram Attachment:

PLU_23_DTD_5MCM_20240410151726.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		12 . 2 5	9.625	NEW	API	N	0	4049	0	4049	3446	-606	4049	J-55	40	BUTT	2.81	1.57	DRY	3.89	DRY	3.89
3	INTERMED IATE	8.75	7.625	NEW	API	Υ	0	10616	0	10450	3446	-7007	10616	L-80	29.7	FJ	3.21	1.58	DRY	2.11	DRY	2.11
4	PRODUCTI ON	6.75	5.5	NEW	NON API	Υ	0	24472	0	11532	3446	-8089	24472	P- 110		OTHER - Freedom HTQ/Talon HTQ	1.61	1.05	DRY	5.41	DRY	5.41

Casing Attachments

Casing ID: 1 String SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_542H_Csg_20241011135237.pdf

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

Casing Attachments

Casing ID: 2

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_542H_Csg_20241011135157.pdf

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

PLU_23_DTD_542H_Csg_20241011135225.pdf

Casing Design Assumptions and Worksheet(s):

PLU 23 DTD 542H Csg 20241011135230.pdf

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Freedom_semi_premium_5.5_production_casing_20240928081239.pdf
Talon___semiflush_5.5_production_casing_20240928081250.pdf

Tapered String Spec:

PLU_23_DTD_542H_Csg_20241011135204.pdf

Casing Design Assumptions and Worksheet(s):

PLU_23_DTD_542H_Csg_20241011135209.pdf

Section 4 - Cement

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

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	420	1.27	14.8	533.4	100	Class C	NA
INTERMEDIATE	Tail		6649	1061 6	130	2.77	14.8	360.1	100	Class C	NA
PRODUCTION	Lead		1031 6	1098 2	20	2.69	11.5	53.8	30	NeoCem	NA
PRODUCTION	Tail		1098 2	2447 2	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

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	РН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1061 6	2447 2	OIL-BASED MUD	11.5	12							
4049	1061 6	OTHER : BDE/OBM	8.8	9.3						9	
0	1731	WATER-BASED MUD	8.4	8.9					1		
1731	4049	SALT SATURATED	10.5	11				A			

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: 7196 Anticipated Surface Pressure: 4658

Anticipated Bottom Hole Temperature(F): 195

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

XTO_Energy_H2S_Plan_Updated_20240928080959.pdf

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

PLU 23 DTD 542H DD 20240413172245.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

PLU_23_DTD_542H_Cmt_20240414123620.pdf
13.375_9.625_7.625_5.5_4_String_Slimhole_SDT_3301_1_20240928081731.pdf
PLU_23_DTD_H2S_DiaA_20241011135325.pdf
PLU_23_DTD_H2S_DiaC_20241011135325.pdf
PLU_23_DTD_H2S_DiaD_20241011135325.pdf
PLU_23_DTD_GCP_20241021093934.pdf

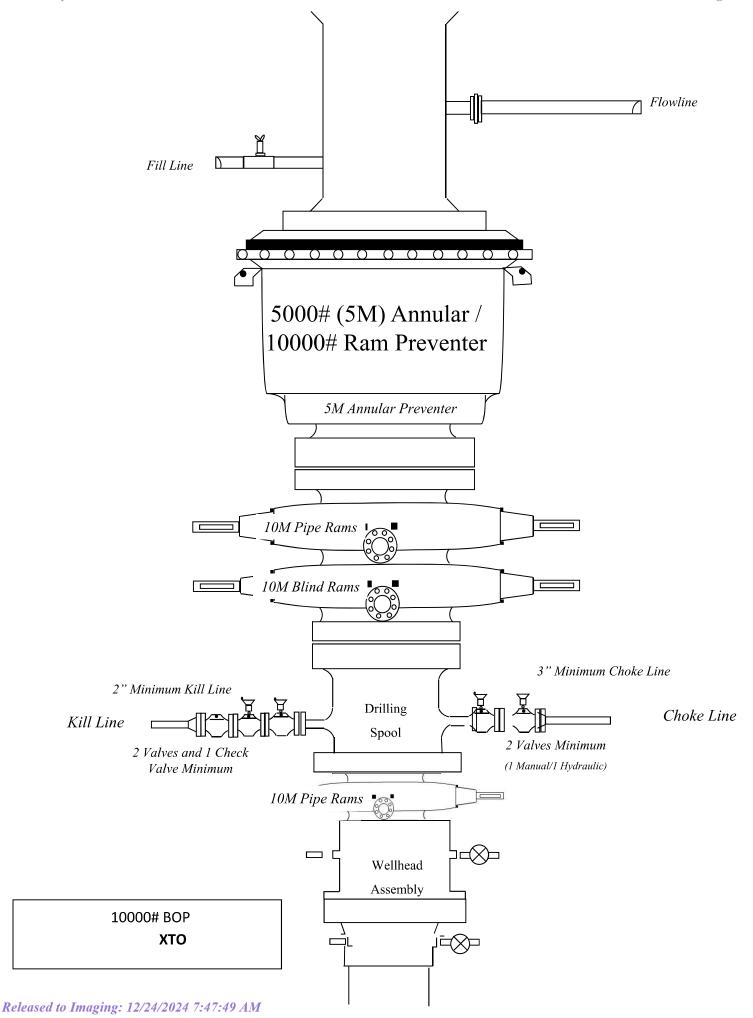
Other Variance attachment:

PLU_23_DTD_BOP_BTV_20240410160813.pdf
Updated_Flex_Hose_20240928081800.pdf
Spudder_Rig_Request_20240928081808.pdf
Offline_Cement_Variance_Surf___Interm_Csg_20240928081817.pdf

Е

В

 B



SF Tension

9.64

3.89

1.95

5.41

2.11

1.77

Casing Assumptions

	e e	£.			- 13	41	î
	SF Collapse	1.49	2.81	2.82	3.21	1.77	1.61
	SF Burst	2.85	1.57	2.17	1.58	1.05	1.05
	New/Used	New	New	New	New	New	New
	Collar	BTC	BTC	Flush Joint	Flush Joint	Freedom HTQ	Talon HTQ
	Grade	J-55	J-55	RY P-110	HC L-80	RY P-110	RY P-110
	Weight	54.5	40	29.7	29.7	20	20
	OD Csg	13.375	9.625	7.625	7.625	5.5	5.5
	Depth	0' – 1731'	0' – 4049'	0' – 4149'	4149' – 10616'	0' – 10516'	10516' - 24472'
esign	Hole Size	17.5	12.25	8.75	8.75	6.75	6.75

Cement Variance Request

Intermediate Casing:

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6649') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to 3749'.

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

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

Production Casing:

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

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

Description of Operations:

- 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.

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

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

Background

Onshore Oil and Gas Order CFR Title 43 Part 3170, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. CFR Title 43 Part 3170 states, "Some situation may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance...". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, XTO Energy submits this request for the variance.

Supporting Documentation

CFR Title 43 Part 3170 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since CFR Title 43 Part 3170 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.



Figure 1: Winch System attached to BOP Stack



Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. CFR Title 43 Part 3170recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

Tal	ole C.4—Initial Pressure Te	esting, Surface BOP Stacks			
Component to be Pressure Tested	Pressure Test—Low Pressure ^{ac} psig (MPa)	Pressure Test— Change Out of Component, Elastomer, or Ring Gasket	-High Pressure ^{ac} No Change Out of Component, Elastomer, or Ring Gasket		
Annular preventer ^b	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.		
Fixed pipe, variable bore, blind, and BSR preventers ^{bd}					
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP		
Choke manifold—upstream of chokese	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ІТР		
Choke manifold—downstream of chokese	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or Newhichever is lower	MASP for the well program,		
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program			
Annular(s) and VBR(s) shall be pre For pad drilling operations, moving pressure-controlling connections For surface offshore operations, the	during the evaluation period. The j sssure tested on the largest and sm from one wellhead to another with when the integrity of a pressure se er am BOPs shall be pressure tes land operations, the ram BOPs sh	oressure shall not decrease below the allest OD drill pipe to be used in well n the 21 days, pressure testing is red	program. puired for pressure-containing an the closing and locking pressur		

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

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

XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 Oand often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after

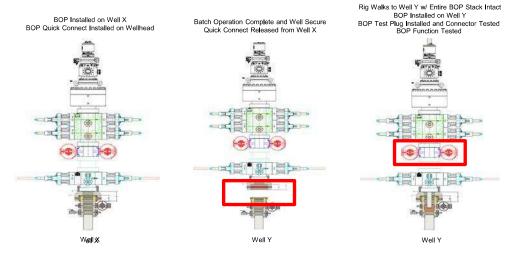
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

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

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

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



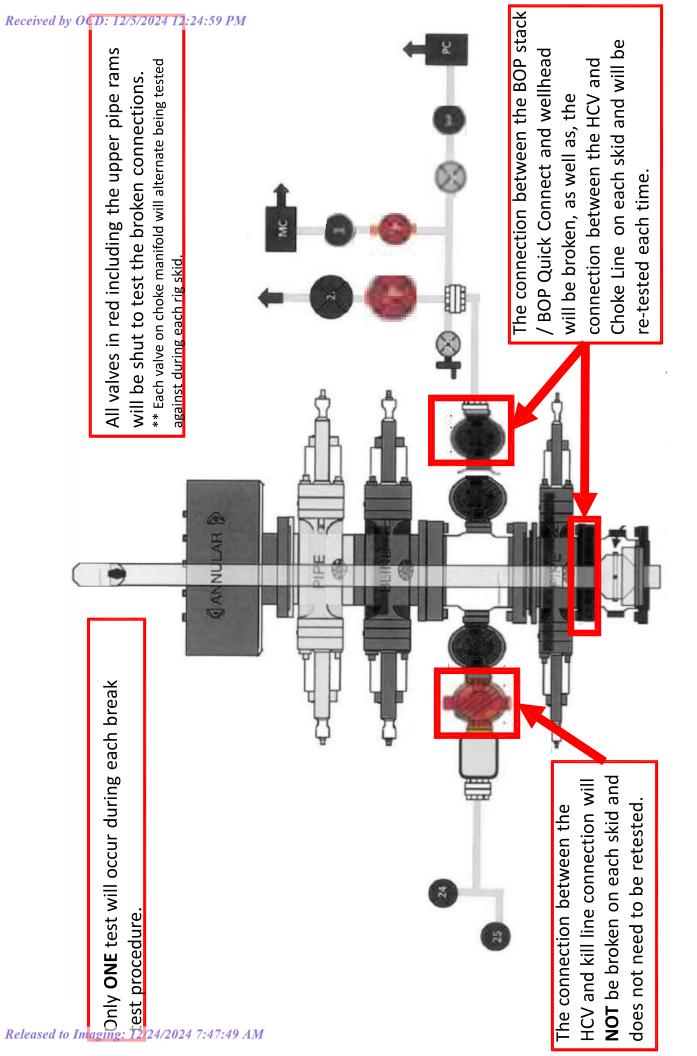
Summary

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

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

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

- 1. After a full BOP test is conducted on the first well on the pad.
- 2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
- 3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
- 4. Full BOP test will be required prior to drilling the production hole.



XTO Permian Operating, LLC Offline Cementing Variance Request

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

1. Cement Program

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

2. Offline Cementing Procedure

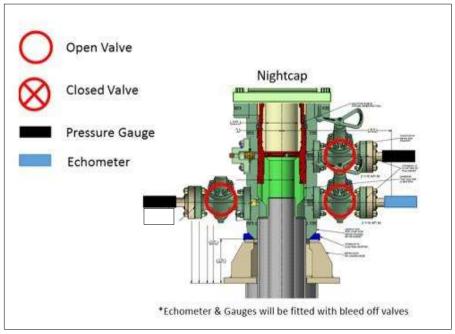
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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



Annular packoff with both external and internal seals

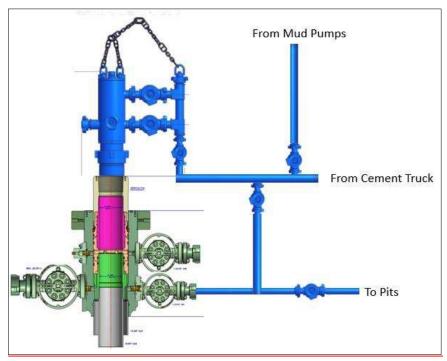
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

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

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

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

H3-15/16



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TEST REPORT

CUSTOMER

Company:

Nabors Industries Inc.

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Production description:

529480

74621/66-1531

Description:

74621/66-1531

Sales order #: Customer reference: FG1213

Hose ID:

3" 16C CK

Part number:

TEST INFORMATION

Test procedure:

GTS-04-053

psi

Fitting 1:

3.0 x 4-1/16 10K

Test pressure: Test pressure hold: 15000.00 3600.00

sec

Part number: Description:

Work pressure:

10000.00

psi

Fitting 2:

Work pressure hold:

900.00

sec %

Part number: Description:

3.0 x 4-1/16 10K

45

Length difference: Length difference: 0.00 0.00

inch

Length:

feet

Visual check:

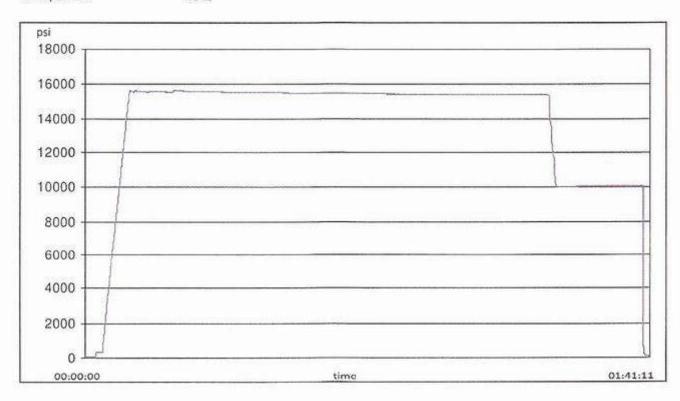
Pressure test result:

PASS

Length measurement result:

Test operator:

Travis





H3-15/16

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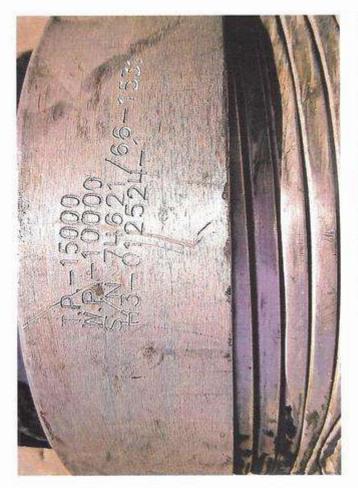
TEST REPORT

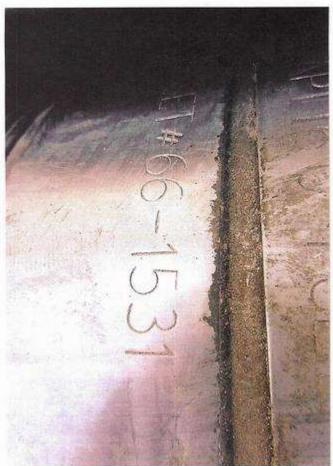
GAUGE TRACEABILITY

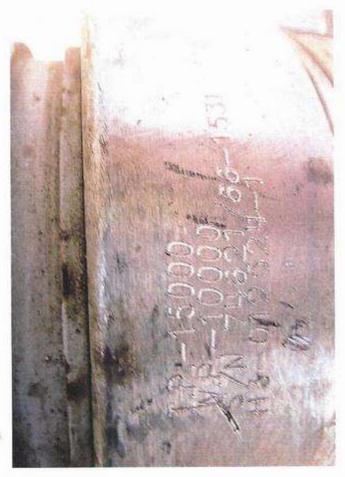
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16
Comment			



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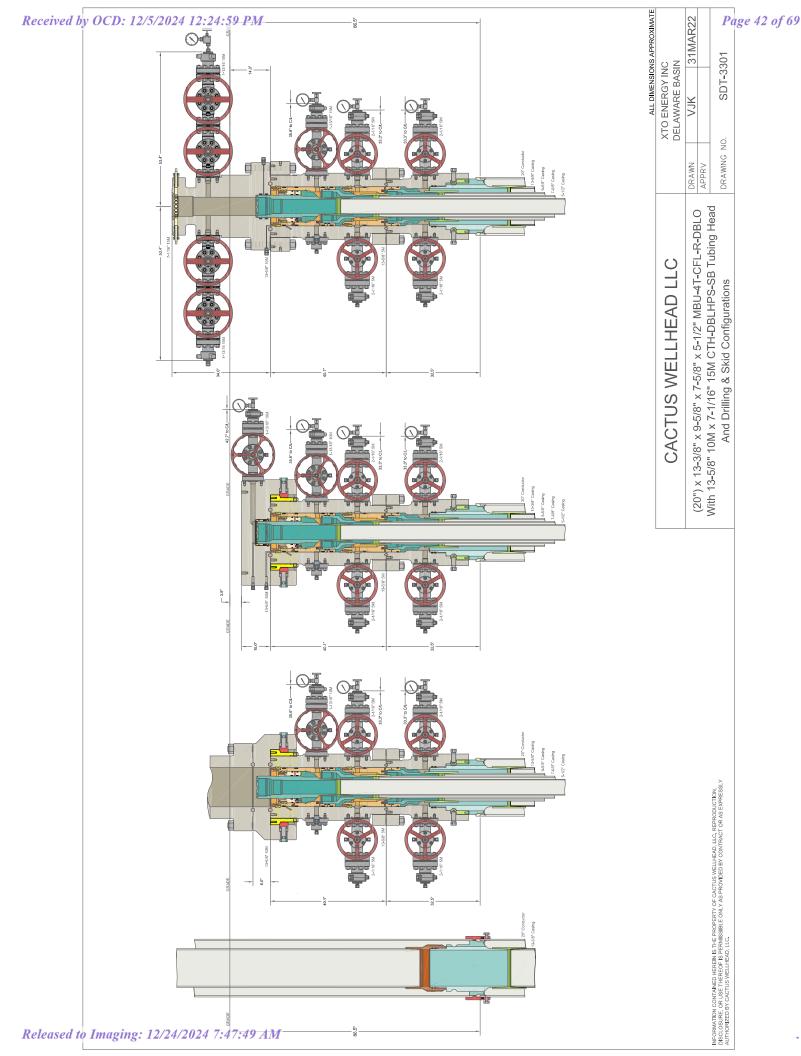








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BHL 19 LTP 19

Well Plan Report - Poker Lake Unit 23 DTD South 542H

ţ	5			Cartographic Reference System:					Reference:	Convergence Angle:
ò	.									.: •
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Well Plan Report										

Plan Sections	Po	Poker Lake Unit 23 DTD South 542H	DTD South 542H					
Measured			ΔΛΙ			Build	Turn	Dogleg
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(ft)	(Deg)	(Deg)	(#)	(#)	(#)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)
00.00	00.00	00.00	00.00	00.00	00.00	00.00	00:00	0.00
4000.00	00.00	00.00	4000.00	00.00	00.00	00.00	00.00	00.00
4787.31	18.78	226.55	4773.29	-87.94	-92.85	2.39	00.00	2.39
7378.70	18.78	226.55	7226.71	-661.66	-698.55	00.00	0.00	0.00
8166.02	00.00	00.00	8000.00	-749.60	-791.40	-2.39	00.00	2.39
10981.82	00.00	00.00	10815.80	-749.60	-791.40	00.00	00.00	00.00
12106.82	00.06	179.66	11532.00	-1465.78	-787.18	8.00	00.00	8.00
24381.61	00.06	179.66	11532.00	-13740.37	-714.76	00.00	00.00	00.00
24471.60	00.06	179.66	11532.00	-13830.36	-714.23	00.00	0.00	0.00

Target

	Semi- Semi- Tool minor minor	Error Error Azimuth Used
	Semi- minor	Error
	Semi- major	Error
	Magnitude	of Bias
		Bias
	Vertical	Error
-		Bias
23 DTD South 542H	Lateral	Error
S OTO S		Bias
Poker Lake Unit 23	TVD Highside	Error
PokerL	TVD	RKB
Position Uncertainty	Measured	Depth Inclination Azimuth

		+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23	+MS+GS_XTO_PLUDTD_23
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	(£	0.000	0.179	0.538	0.896	1.255	1.613	1.972	2.330	2.689	3.047	3.405	3.764	4.122	4.481	4.839	5.198	5.556	5.915	6.273	6.632	066.9	7.349	7.707	8.066	8.424	8.783	9.141	9.499	9.858	10.216	10.575	10.933	11.292	11.650
ť	(£	0.000	0.358	0.717	1.075	1.434	1.792	2.151	2.509	2.868	3.226	3.585	3.943	4.302	4.660	5.019	5 377	5.736	6.094	6.452	6.811	7.169	7.528	7.886	8.245	8.603	8.962	9.320	9.679	10.037	10.396	10.754	11.113	11.471	11.830
Well Plan Report	(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	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	0.000	0.000	0.000	0.000	0.000	0.000
Well	(ft) (ft)	0.000 0.000	2.300 0.000	2.310 0.000	2.326 0.000	2.347 0.000	2.375 0.000	2.407 0.000	2.445 0.000	2.487 0.000	2.533 0.000	2.583 0.000	2.636 0.000	2.693 0.000	2.753 0.000	2.816 0.000	2.881 0.000	2.949 0.000	3.018 0.000	3.090 0.000	3.164 0.000	3.239 0.000	3.317 0.000	3.395 0.000	3.476 0.000	3.557 0.000	3.640 0.000	3.725 0.000	3.811 0.000	3.898 0.000	3.986 0.000	4.076 0.000	4.167 0.000	4.259 0.000	4.352 0.000
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	(#)	0.000	0.179	0.538	0.896	1.255	1.613	1.972	2.330	2.689	3.047	3.405	3.764	4.122	4.481	4 839	5.198	5.556	5.915	6.273	6.632	066'9	7.349	7 707	8.066	8.424	8.783	9.141	9.499	9.858	10.216	10 575	10.933	11.292	11.650
	(£	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	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	0.000	0.000	0.000	0.000	0.000	0.000
	(#)	0.000	0.358	0.717	1.075	1 434	1 792	2.151	2.509	2.868	3.226	3.585	3.943	4.302	4.660	5.019	5.377	5.736	6.094	6.452	6.811	7.169	7.528	7.886	8.245	8.603	8 962	9.320	9.679	10.037	10.396	10.754	11.113	11.471	11.830
	(#t)	0.000	100,000	200,000	300,000	400.000	500.000	000'009	700.000	800.000	900'006	1000.000	1100.000	1200.000	1300.000	1400.000	1500.000	1600.000	1700.000	1800.000	1900.000	2000.000	2100.000	2200.000	2300.000	2400.000	2500,000	2600.000	2700.000	2800.000	2900.000	3000,000	3100,000	3200.000	3300.000
	()	0.000	0.000	0000	0.000	0.000	0.000	0000	0.000	0.000	0000	0.000	0000	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	0000	0.000	0.000	0.000	0.000	0000	0000	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3/14/24, 6:16 AM	(ft)	0.000	100.000	200,000	300.000	400.000	200.000	000'009	700.000	800.000	000'006	1000.000	1100.000	1200.000	1300.000	1400.000	1500.000	1600.000	1700.000	1800.000	1900.000	2000.000	2100.000	2200.000	2300.000	2400.000	2500.000	2600.000	2700.000	2800.000	2900.000	3000,000	3100.000	3200.000	3300.000
	leas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	17:4	9 A.	M																							

	90.000 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	89.980 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	89.939 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	89.736 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	89.258 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	88.405 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	87.099 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	85.289 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	83.332 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	83.175 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	80.280 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	77.586 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	75.102 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	72.829 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	70.759 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	68.881 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	67.178 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	65.637 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	64.240 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	62.972 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	61.820 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	60.770 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	59.812 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	58.935 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	58.130 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	57.389 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	56.707 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	56.075 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	55.490 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23						
	12.188 12.009	12.547 12.367	12.905 12.726	13.263 13.084	13.622 13.443	13.980 13.801	14.339 14.160	14.682 14.502	15.012 14.829	15.343 15.155	15.674 15.480	16.006 15.804	16.337 16.125	16.667 16.444	16.956 16.719	16.998 16.760	17.329 17.072	17.664 17.386	18.003 17.702	18.345 18.019	18.691 18.337	19.040 18.656	19.392 18.977	19.747 19.299	20.105 19.621	20.465 19.945	20.828 20.270	21.193 20.595	21.560 20.922	21.929 21.249	22.300 21.577	22.674 21.906	23.048 22.236	23.425 22.567	23.803 22.898
Well Plan Report	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0000
Well	4.447 0.000	4.543 0.000	4.641 0.000	4.740 0.000	4.840 0.000	4.941 0.000	5.045 0.000	5.149 0.000	5.253 0.000	5.357 0.000	5.461 0.000	5.565 0.000	5.670 0.000	5.776 0.000	5.870 0.000	5.880 0.000	6.002 0.000	6.127 0.000	6.256 0.000	6.387 0.000	6.522 0.000	6.661 0.000	6.802 0.000	6.946 0.000	7.093 0.000	7.243 0.000	7.396 0.000	7.551 0.000	7.710 0.000	7.871 0.000	8.034 0.000	8.200 0.000	8.369 0.000	8.541 0.000	8.714 0.000
	12.009 0.000	12.367 0.000	12.726 0.000	13.084 0.000	13.443 0.000	13.801 0.000	14.160 0.000	14.597 0.000	14.926 0.000	15.255 0.000	15.585 0.000	15.916 0.000	16.248 0.000	16.580 0.000	16.871 0.000	16.914 0.000	17.250 0.000	17.591 0.000	17.935 0.000	18.282 0.000	18.632 0.000	18.985 0.000	19.341 0.000	19.700 0.000	20.061 0.000	20.424 0.000	20 790 0 000	21.157 0.000	21.527 0.000	21 898 0 000	22.272 0.000	22.647 0.000	23.024 0.000	23.402 0.000	23.781 0.000
	0.000 12	0.000 12	0.000 12	0.000 13	0.000 13	0.000 13	0.000 14	-0.000 14	-0.000 14	-0.000 15	-0.000 15	-0.000 15	-0.000 16	-0.000 16	-0.000 16	-0.000 16	-0.000 17	-0.000 17	-0.000 17	-0.000 18	-0.000 18	-0.000 18	-0.000 19	-0.000 19	-0.000 20	-0.000 20	-0.000 20	-0.000 21	-0.000 21	-0.000 21	-0.000 22	-0.000 22	-0.000 23	-0.000 23	-0.000 23
	12.188 (12.547 (12.905	13.263 (13.622	13.980 (14 339 (14.576 -(14.870	15.142 -(15.389 -(15.612 -(15.810 -(15.982	16.111 -(16.151 -(16 475 -(16.800	17.127 (17.456 -(17 786 (18.118 -(18.452 -(18 787	19.124 -(19.461	19.800	20.140	20.482	20.824	21 167 (21.511 -(21.856 -(22.202 -(22.549 -(
	3400.000	3500.000	3600.000	3700,000	3800.000	3900.000	4000.000	4099.971	4199.769	4299.221	4398.154	4496.397	4593.779	4690.133	4773.291	4785.302	4879.977	4974.653	5069.329	5164.005	5258.681	5353.357	5448.032	5542.708	5637.384	5732.060	5826.736	5921.411	6016.087	6110.763	6205.439	6300,115	6394 791	6489.466	6584.142
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226.554	226,554	226.554	226.554	226.554
	0.000	0.000	0.000	000'0	0.000	0.000	0.000	2.385	4.771	7.156	9.542	11.927	14.312	16.698	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.781
3/14/24, 6:16 AM	3400.000	3500.000	3600,000	3700,000	3800,000	3900,000	4000.000	4100.000	4200.000	4300.000	4400.000	4500.000	4600.000	4700.000	4787.314	4800.000	4900.000	2000.000	5100.000	5200.000	5300,000	5400.000	5500,000	2600.000	5700.000	5800,000	2900,000	000'0009	6100.000	6200.000	0300.000	6400,000	6500,000	000'0099	6700.000
	eleas	ed t	o In	nagi	ing:	12/	24/2	2024	<i>17:</i> 4	17:4	9 A	M																							

	54.947 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.441 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.969 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.528 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.115 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.727 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.439 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.364 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.045 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.779 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.558 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.373 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.217 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.085 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	50.972 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	50.992 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.049 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.214 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.377 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.538 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.698 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.855 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.011 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.164 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.316 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.466 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.614 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.761 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.906 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.049 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.190 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.330 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.468 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.604 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.739 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
+	24.182 23.230	24.563 23.563	24.946 23.897	25.330 24.231	25.714 24.566	26.101 24.901	26.405 25.166	26.487 25.237	26.872 25.576	27.251 25.919	27.624 26.265	27.991 26.613	28.352 26.962	28.705 27.311	29.052 27.658	29.276 27.886	29.391 28.003	29.727 28.347	30.064 28.692	30.402 29.038	30.740 29.383	31.079 29.729	31.418 30.075	31.757 30.421	32.097 30.768	32.438 31.115	32.778 31.462	33.119 31.809	33.461 32.157	33.803 32.505	34.145 32.853	34,488 33,201	34.831 33.549	35.174 33.898	35.517 34.246
Well Plan Report	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	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	0.000	0.000	0.000	0.000	0.000	0.000	0000
Well	8.891 0.000	9.070 0.000	9.251 0.000	9.435 0.000	9.621 0.000	9.810 0.000	0000 0966	10.001 0.000	10.196 0.000	10.392 0.000	10.585 0.000	10.776 0.000	10.964 0.000	11.150 0.000	11.332 0.000	11.452 0.000	11.513 0.000	11.695 0.000	11.879 0.000	12.067 0.000	12.258 0.000	12.452 0.000	12.649 0.000	12.849 0.000	13.052 0.000	13.258 0.000	13.467 0.000	13.679 0.000	13.895 0.000	14.113 0.000	14.335 0.000	14.560 0.000	14.788 0.000	15.019 0.000	15.253 0.000
	3 0.000	00000	00000	00000 t	0.000	0.000	0.000	00000	0.000	0.000	0000'0 t	0.000	3 0.000	0.000	00000 t	0000 9	00000	0.000	00000	3 0.000	0.000	0.000	0.000	0.000	0.000	0.000	00000 t	00000	00000	00000	0.000	00000	000'0 6	2 0.000	0.000
	24.163	24.545	24 929	25.314	25.700	26.087	26.392	26.475	26.860	27.240	27.614	27 982	28 343	28 697	29.044	28 445	28.559	28.897	29.235	29.573	29 912	30.251	30.591	30.931	31.271	31.612	31 954	32.295	32 637	32 980	33.322	33.665	34.009	34.352	34.696
	97 -0.000	45 -0.000	94 -0.000	44 -0.000	94 -0.000	45 -0.000	22 -0.000	34 -0.000	40 -0.000	000.0- 60	39 -0.000	28 -0.000	76 -0.000	82 -0.000	45 -0.000	34 0.000	50 0.000	94 0.000	37 0.000	82 0.000	26 0.000	71 0.000	16 0.000	61 0.000	000.0 20	53 0.000	000.0 66	46 0.000	93 0.000	40 0.000	87 0.000	34 0.000	82 0.000	30 0.000	78 0.000
	22.897	23.245	23.594	23.944	24.294	24.645	24.922	25.034	25.540	26.009	26.439	26.828	27 176	27.482	27.745	28.734	28.850	29.194	29.537	29.882	30.226	30.571	30.916	31.261	31.607	31.953	32.299	32.646	32.993	33.340	33.687	34.034	34.382	34.730	35.078
	6678.818	6773.494	6868.170	6962,845	7057,521	7152.197	7226.709	7246.903	7342.486	7439.208	7536.902	7635.399	7734.527	7834.116	7933.992	8000.000	8033.984	8133.984	8233.984	8333.984	8433.984	8533.984	8633.984	8733.984	8833.984	8933.984	9033.984	9133.984	9233.984	9333.984	9433.984	9533,984	9633.984	9733.984	9833.984
	226.554	226.554	226 554	226.554	226.554	226.554	226.554	226.554	226.554	226 554	226.554	226.554	226 554	226 554	226 554	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	0.000	0.000	0.000	0.000	0.000	0000
	18.781	18.781	18.781	18.781	18.781	18.781	18.781	18.273	15.887	13.502	11.116	8.731	6.346	3.960	1.575	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	0.000	0.000	0.000	0.000	0.000	0.000
3/14/24, 6:16 AM	000.0089	000.0069	7000.000	7100.000	7200.000	7300.000	7378.702	7400.000	7500.000	7600.000	7700.000	7800.000	7900.0007	8000.000	8100.000	8166.016	8200.000	8300.000	8400.000	8500.000	8600.000	8700.000	8800.000	8900.000	9000.0006	9100.000	9200.000	9300.000	9400.000	9500,000	9600.000	9700.000	9800.000	000'0066	10000.000
	leas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	17:4	9 A.	M																							

	53.872 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.004 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.134 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.263 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.390 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.516 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.640 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.763 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.885 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.983 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.983 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.808 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	54.481 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	53.830 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	52.725 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	51.075 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	48.866 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	46.184 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	43.229 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	40.289 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	37.659 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	35.448 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	33.860 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	32.206 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	30.631 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	29.139 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	27.733 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	26.410 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	25.170 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	24.010 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	22.925 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	21.911 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	20.964 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	20.080 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	19.254 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
.	35.861 34.595	36.205 34.945	36.550 35.294	36.895 35.643	37.240 35.993	37.585 36.343	37.930 36.693	38.276 37.043	38.622 37.393	38.906 37.680	38.967 37.742	39.300 38.080	39.632 38.414	39.954 38.737	40.258 39.040	40.539 39.316	40.795 39.558	41.025 39.761	41.232 39.920	41.418 40.034	41.583 40.106	41.737 40.145	41.864 40.164	42.010 40.184	42.167 40.206	42.334 40.229	42.512 40.252	42.701 40.276	42.901 40.301	43.111 40.325	43.331 40.350	43.561 40.376	43.802 40.402	44.053 40.428	44.313 40.454
Well Plan Report	0.000	0.000	0.000	0000	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000
Well	15.491 0.000	15.731 0.000	15.975 0.000	16.222 0.000	16.472 0.000	16.725 0.000	16.981 0.000	17.241 0.000	17.504 0.000	17.721 0.000	17.769 0.000	18.039 0.000	18.308 0.000	18.568 0.000	18.815 0.000	19.044 0.000	19.253 0.000	19.439 0.000	19.603 0.000	19.745 0.000	19.865 0.000	19.973 0.000	20.063 0.000	20.168 0.000	20.284 0.000	20.408 0.000	20.543 0.000	20.686 0.000	20.838 0.000	20.999 0.000	21.168 0.000	21.346 0.000	21.532 0.000	21.726 0.000	21.927 0.000
	35.041 0.000	35.385 0.000	35.730 0.000	36.075 0.000	36.420 0.000	36.766 0.000	37.112 0.000	37.458 0.000	37.804 0.000	38.088 0.000	38.143 -0.000	38.483 -0.000	38.823 -0.000	39.158 -0.000	39.484 -0.000	39.796 -0.000	40.091 -0.000	40.365 -0.000	40.614 -0.000	40.837 -0.000	41.030 -0.000	41.199 -0.000	41.334 -0.000	41.490 -0.000	41.656 -0.000	41.834 -0.000	42.022 -0.000	42.221 -0.000	42.430 -0.000	42.650 -0.000	42.880 -0.000	43.119 -0.000	43.369 -0.000	43.628 -0.000	43.896 -0.000
	35.426 0.000	35.775 0.000	36.124 0.000	36.473 0.000	36.822 0.000	37.171 0.000	37.521 0.000	37.870 0.000	38.220 0.000	38.506 0.000	38.612 0.000	38.795 0.000	38.384 0.000	37.394 0.000	35.862 0.000	33.849 0.000	31,445 0.000	28.776 0.000	26.018 0.000	23.416 0.000	21.292 0.000	19.973 0.000	20.063 0.000	20.168 0.000	20.284 0.000	20.408 0.000	20.543 0.000	20.686 0.000	20.838 0.000	20.999 0.000	21.168 0.000	21.346 0.000	21.532 0.000	21.726 0.000	21.927 0.000
	00 9933.984	00 10033.984	00 10133.984	00 10233.984	00 10333.984	00 10433.984	00 10533.984	00 10633.984	00 10733.984	00 10815.800	52 10833.982	52 10933,448	32 11030.625	32 11123.620	32 11210.624	52 11289.943	32 11360.033	32 11419.530	32 11467.277	32 11502.343	32 11524.047	32 11531.997	32 11531.997	32 11531.997	32 11531.997	32 11531.997	32 11531.997	52 11531.997	52 11531.997	32 11531.997	32 11531.997	32 11531,997	32 11531.997	52 11531.997	52 11531,997
	000.0 00	000.000	000'0 0	000'0 00	000'0 0	000.0	000'0 0	000'0 0	000.0	000.00	5 179,662	5 179.662	5 179 662	5 179.662	5 179.662	5 179.662	5 179.662	5 179.662	5 179.662	5 179.662	5 179.662	00 179.662	00 179.662	0 179.662	0 179.662	0 179.662	0 179.662	0 179.662	0 179.662	0 179.662	00 179.662	0 179.662	0 179.662	00 179.662	0 179.662
V	0.000	0.000	0.000	000'0	000'0	00000	0.000	000'0	0.000	0.000	1.455	9.455	17 455	25 455	33.455	41.455	49.455	57.455	65.455	73.455	81.455	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
3/14/24, 6:16 AM	10100.000	10200.000	10300.000	10400.000	10500.000	10600.000	10700.000	10800.000	10900.000	10981.816	11000.000	11100.000	11200.000	11300.000	11400.000	11500.000	11600.000	11700.000	11800.000	11900.000	12000.000	12106.816	12200.000	12300.000	12400.000	12500.000	12600.000	12700.000	12800.000	12900.000	13000.000	13100.000	13200.000	13300.000	13400.000
	eleas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	17:4	9 A.	M																							

	18.482 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	17.760 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	17.084 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	16.451 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	15.856 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	15.298 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	14.773 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	14.279 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	13.814 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	13.375 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	12.960 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	12.568 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	12.196 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	11.844 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	11.510 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	11.193 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	10.892 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	10.605 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	10.331 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	10.070 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	9.822 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	9.584 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	9.356 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	9.139 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.930 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.731 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.539 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.355 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.178 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	8.008 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	7.845 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	7.687 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	7.536 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	7.390 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	7.249 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
t	44.583 40.481	44.862 40.508	45.151 40.536	45,448 40,564	45.754 40.592	46.069 40.621	46.393 40.651	46.724 40.680	47.064 40.710	47.412 40.741	47.767 40.772	48.130 40.804	48.500 40.836	48.877 40.869	49.262 40.902	49.653 40.935	50.051 40.970	50.455 41.004	50.866 41.040	51.283 41.075	51.705 41.112	52.134 41.149	52.569 41.186	53.009 41.224	53.454 41.263	53.905 41.302	54.361 41.342	54.822 41.382	55.288 41.423	55.759 41.464	56.235 41.506	56.714 41.549	57 199 41 592	57.688 41.635	58.181 41.680
Well Plan Report	0.000	0.000	0000	0000	0.000	0.000	0000	0000	0.000	0.000	0000	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	0000	0.000	0.000	0.000	0.000	0000	0.000	0000	0000	0.000
Wel	22.136 0.000	22.352 0.000	22.576 0.000	22.806 0.000	23.043 0.000	23.286 0.000	23.536 0.000	23.791 0.000	24.053 0.000	24.320 0.000	24.593 0.000	24.871 0.000	25.154 0.000	25.442 0.000	25.735 0.000	26.032 0.000	26.334 0.000	26.641 0.000	26.951 0.000	27.266 0.000	27.584 0.000	27.906 0.000	28.232 0.000	28.562 0.000	28.894 0.000	29.231 0.000	29.570 0.000	29.912 0.000	30.257 0.000	30.605 0.000	30.956 0.000	31.310 0.000	31.666 0.000	32.024 0.000	32.385 0.000
	44.174 -0.000	44.461 -0.000	44.756 -0.000	45.061 -0.000	45.374 -0.000	45.695 -0.000	46.025 -0.000	46.363 -0.000	46.709 -0.000	47.062 -0.000	47.423 -0.000	47.791 -0.000	48.166 -0.000	48.549 -0.000	48.938 -0.000	49.334 -0.000	49.736 -0.000	50.145 -0.000	20.560 -0.000	50.982 -0.000	51.409 -0.000	51.842 -0.000	52.280 -0.000	52.724 -0.000	53.173 -0.000	53.628 -0.000	54.088 -0.000	54.552 -0.000	55.022 -0.000	55,496 -0.000	55.975 -0.000	56,458 -0.000	56.945 -0.000	57.437 -0.000	57.933 -0.000
	22.136 0.000	22.352 0.000	22.576 0.000	22.806 0.000	23.043 0.000	23.286 0.000	23.536 0.000	23.791 0.000	24.053 0.000	24.320 0.000	24.593 0.000	24.871 0.000	25.154 0.000	25.442 0.000	25.735 0.000	26.032 0.000	26.334 0.000	26.641 0.000	26.951 0.000	27.266 0.000	27.584 0.000	27.906 0.000	28.232 0.000	28.562 0.000	28.894 0.000	29.231 0.000	29.570 0.000	29.912 0.000	30.257 0.000	30.605 0.000	30.956 0.000	31.310 0.000	31.666 0.000	32.024 0.000	32.385 0.000
	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997
	. 000.06	. 000.06	. 000'06	. 000'06	000'06	. 000'06	. 000'06	. 000'06	. 000'06	. 000.06	. 000'06	. 000.06	000.06	000'06	. 000.06	. 000.06	. 000'06	. 000.06	000'06	. 000.06	. 000'06	. 000'06	000.06	. 000'06	. 000.06	000'06	000'06	000.06	000'06	. 000'06	. 000'06	000'06	000'06	000'06	. 000'06
3/14/24, 6:16 AM	13500.000	13600.000	13700.000	13800.000	13900.000	14000.000	14100.000	14200.000	14300.000	14400.000	14500.000	14600.000	14700.000	14800.000	14900.000	15000.000	15100.000	15200.000	15300.000	15400.000	15500.000	15600.000	15700.000	15800.000	15900.000	16000.000	16100.000	16200.000	16300.000	16400.000	16500.000	16600.000	16700.000	16800.000	16900.000
	eleas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	<i>47:4</i>	9 A.	M																							

	7.113 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.981 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.854 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.732 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.613 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.498 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.387 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.279 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.175 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	6.074 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.976 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.881 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.788 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.698 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.611 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.526 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.444 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.364 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.286 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.210 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.136 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	5.064 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.994 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.925 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.858 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.793 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.730 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.668 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.608 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.549 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.491 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.435 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.380 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.326 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.273 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
oort	0 58.678 41.725	0 59.179 41.770	0 59.684 41.816	0 60.192 41.863	0 60.705 41.910	0 61.221 41.957	0 61.740 42.006	0 62.263 42.055	0 62.789 42.104	0 63.319 42.154	0 63.852 42.205	0 64.387 42.256	0 64.926 42.308	0 65.468 42.360	0 66.013 42.413	0 66.560 42.466	0 67.110 42.520	0 67.663 42.575	0 68.218 42.630	0 68.776 42.685	0 69.337 42.742	0 69.899 42.798	0 70.465 42.856	0 71.032 42.914	0 71.602 42.972	0 72.174 43.031	0 72.748 43.090	0 73.324 43.150	0 73.902 43.211	0 74.482 43.272	0 75.064 43.334	0 75.648 43.396	0 76.234 43.459	0 76.821 43.522	0 77.411 43.586
Well Plan Report	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	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	0.000	0.000	0.000	0.000	000'0	0.000	0.000
8	32.748 0.000	33.114 0.000	33.482 0.000	33.852 0.000	34.223 0.000	34.597 0.000	34 973 0 000	35.351 0.000	35.730 0.000	36.111 0.000	36.494 0.000	36.878 0.000	37.264 0.000	37.652 0.000	38.041 0.000	38.431 0.000	38.823 0.000	39.216 0.000	39.611 0.000	40.006 0.000	40.403 0.000	40.801 0.000	41.201 0.000	41.601 0.000	42.003 0.000	42.406 0.000	42.809 0.000	43.214 0.000	43.620 0.000	44.026 0.000	44.434 0.000	44.842 0.000	45.251 0.000	45.662 0.000	46.073 0.000
	58.433 -0.000	58.937 -0.000	59,445 -0.000	29.956 -0.000	60,472 -0.000	000.0- 066.09	61.512 -0.000	62.038 -0.000	62.567 -0.000	63.099 -0.000	63.634 -0.000	64.172 -0.000	64.713 -0.000	65.257 -0.000	65.804 -0.000	66.354 -0.000	000.0- 906.99	67.461 -0.000	68.018 -0.000	68.578 -0.000	69.141 -0.000	69.706 -0.000	70.273 -0.000	70.842 -0.000	71.414 -0.000	71.987 -0.000	72.563 -0.000	73.141 -0.000	73.721 -0.000	74.303 -0.000	74.887 -0.000	75.472 -0.000	76.060 -0.000	76.649 -0.000	77.240 -0.000
	3 0.000	0.000	0.000	0.000	3 0.000	0.000	3 0.000	0.000	00000	0.000	0.000	3 0.000	0.000	0.000	0.000	0.000	3 0.000	00000 9	0.000	00000	3 0.000	0.000	0.000	0.000	3 0.000	00000	00000 6	0.000	00000	00000	0.000	0.000	0.000	0.000	3 0.000
	32.748	33.114	33 482	33.852	34 223	34.597	34.973	35.351	35.730	36.111	36 494	36.878	37.264	37 652	38.041	38 431	38.823	39.216	39.611	40.006	40.403	40.801	41.201	41.601	42.003	42.406	42.809	43.214	43.620	44 026	44 434	44 842	45.251	45.662	46.073
	11531.997	11531.997	11531.997	11531.997	11531.997	11531 997	11531 997	11531 997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531 997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531.997	11531 997	11531.997	11531.997	11531.997	11531.997	11531 997	11531.997	11531.997	11531.997
	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179 662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179 662	179.662	179.662	179.662	179.662	179.662	179.662	179.662	179.662
	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	000 06	90.000	90.000	90.000	90.000	90.000	90.000	000 06	90.000	90.000	90.000	90.000	000 06	90.000	90.000	000'06
3/14/24, 6:16 AM	17000.000	17100.000	17200.000	17300.000	17400.000	17500.000	17600.000	17700.000	17800.000	17900.000	18000.000	18100.000	18200.000	18300.000	18400.000	18500.000	18600.000	18700.000	18800.000	18900.000	19000.000	19100.000	19200.000	19300.000	19400.000	19500.000	19600.000	19700.000	19800.000	19900.000	20000.000	20100.000	20200.000	20300.000	20400.000
	eleas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	17:4	9 A.	M																							

	4.222 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.171 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.122 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.074 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	4.027 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.981 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.936 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.891 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.848 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.805 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.764 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.723 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.683 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.644 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.605 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.567 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.530 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.494 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.458 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.423 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.389 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.355 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.322 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.289 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.257 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.226 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.195 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.165 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.135 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.105 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.076 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.048 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	3.020 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	2.993 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23	2.966 MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
Ę	78.002 43.650	78.595 43.715	79.189 43.781	79.785 43.847	80.383 43.913	80.982 43.980	81.583 44.047	82.185 44.115	82.789 44.184	83.394 44.253	84 000 44 323	84.608 44.393	85.217 44.463	85.827 44.534	86.439 44.606	87.052 44.678	87.666 44.750	88.281 44.823	88.898 44.897	89.515 44.971	90.134 45.045	90.754 45.120	91.375 45.196	91.997 45.272	92.620 45.348	93.243 45.425	93.868 45.502	94,494 45,580	95.121 45.658	95.749 45.737	96.378 45.816	97.007 45.896	97.638 45.976	98.269 46.057	98.901 46.138
Well Plan Report	0.000	0.000	0.000	0000	0.000	0.000	0.000	0000	0.000	0.000	0000	0.000	0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	000'0	000'0	0.000	0000
Well	46.484 0.000	46.897 0.000	47.310 0.000	47.725 0.000	48.139 0.000	48.555 0.000	48.971 0.000	49.388 0.000	49.806 0.000	50.224 0.000	50.643 0.000	51.062 0.000	51.482 0.000	51.903 0.000	52.324 0.000	52.746 0.000	53.168 0.000	53.591 0.000	54.014 0.000	54.438 0.000	54.862 0.000	55.287 0.000	55.712 0.000	56.138 0.000	56.564 0.000	56.991 0.000	57.418 0.000	57.845 0.000	58.273 0.000	58.701 0.000	59.130 0.000	29.559 0.000	59.988 0.000	60.418 0.000	60.848 0.000
	77.832 -0.000	78.427 -0.000	79.023 -0.000	79.620 -0.000	80.219 -0.000	80.820 -0.000	81.422 -0.000	82.026 -0.000	82.631 -0.000	83.237 -0.000	83.845 -0.000	84.454 -0.000	85.064 -0.000	85.676 -0.000	86.289 -0.000	86.903 -0.000	87.518 -0.000	88.135 -0.000	88.752 -0.000	89.371 -0.000	89.991 -0.000	90.612 -0.000	91.234 -0.000	91.857 -0.000	92.481 -0.000	93.106 -0.000	93.732 -0.000	94.359 -0.000	94.987 -0.000	95.616 -0.000	96.245 -0.000	96.876 -0.000	97.507 -0.000	98.140 -0.000	98.773 -0.000
	46.484 0.000	46.897 0.000	47.310 0.000	47.725 0.000	48.139 0.000	48.555 0.000	48.971 0.000	49.388 0.000	49.806 0.000	50.224 0.000	50.643 0.000	51.062 0.000	51.482 0.000	51.903 0.000	52.324 0.000	52.746 0.000	53.168 0.000	53.591 0.000	54.014 0.000	54.438 0.000	54.862 0.000	55.287 0.000	55.712 0.000	56.138 0.000	56.564 0.000	56.991 0.000	57.418 0.000	57.845 0.000	58.273 0.000	58.701 0.000	59.130 0.000	29,559 0,000	988 0.000	60.418 0.000	60.848 0.000
	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997	179.662 11531.997
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3/14/24, 6:16 AM	20500.000	20600.000	20700.000	20800,000	20900.000	21000.000	21100.000	21200.000	21300.000	21400.000	21500.000	21600.000	21700.000	21800.000	21900.000	22000.000	22100.000	22200.000	22300.000	22400.000	22500.000	22600.000	22700.000	22800.000	22900.000	23000.000	23100.000	23200.000	23300.000	23400.000	23500.000	23600,000	23700.000	23800.000	23900.000
	eleas	ed t	o In	nagi	ing:	12/	24/2	2024	1 7:4	<i>47:4</i>	9 A	M																							

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO

LEASE NO.: NMNM030452

LOCATION: Sec. 14, T. 24S, R 30 E

COUNTY: Eddy County, New Mexico ▼

WELL NAME & NO.: Poker Lake Unit 23 DTD 542H

SURFACE HOLE FOOTAGE: 645'/S & 607'/E

BOTTOM HOLE FOOTAGE: 2627'/N & 1385'/E

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

- 1. The 13-3/8 inch surface casing shall be set at approximately 780 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping

- cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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'.
 - **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement should tie-back **500 feet** into the previous casing. Operator shall provide method of verification. If cement does not reach desired depth, the appropriate BLM office shall be notified. **Excess calculates to -7%. Additional cement maybe required.**

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 Production casing to tieback requirements listed above after the second stage BH to verify TOC. Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

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

- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back 100 feet into the previous casing. Operator shall provide method of verification. Excess calculates to 15%. Additional cement maybe required.

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
- 2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 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
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; **BLM NM CFO DrillingNotifications@BLM.GOV**; (575) 361-2822

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

A. CASING

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

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

B. PRESSURE CONTROL

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

- requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP
 - 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 11/18/2024 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 H₂S, 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 H₂S 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
 - o Detection of H₂S, and
 - o Measures for protection against the gas,
 - o 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 (SO₂). 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 H₂S and SO₂

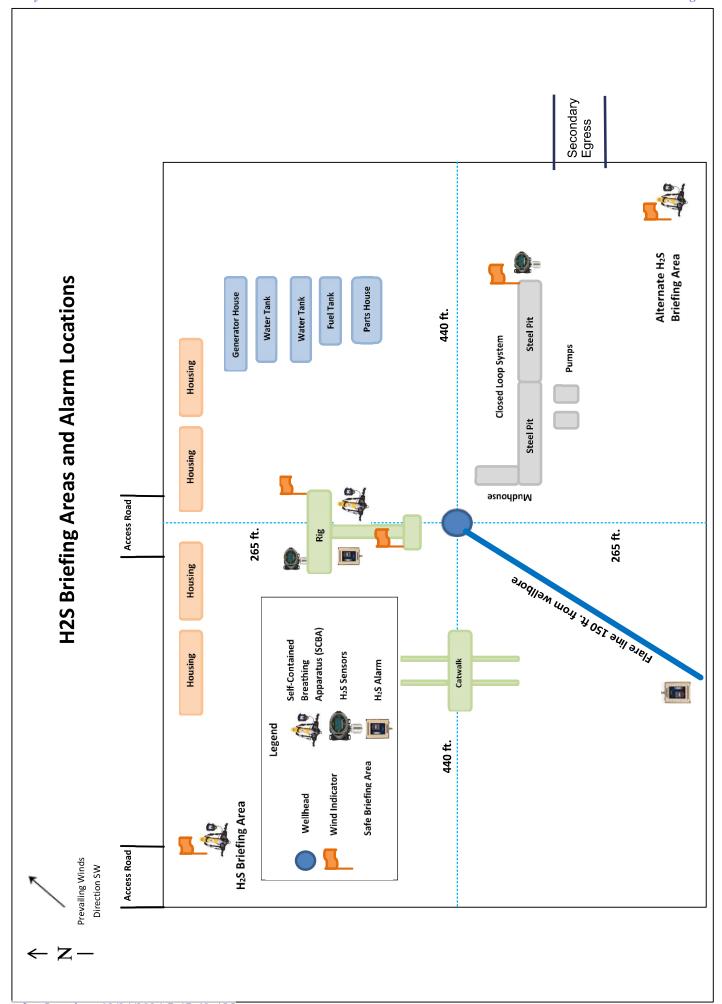
Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H ₂ S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21 Air = I	2 ppm	N/A	1000 ppm

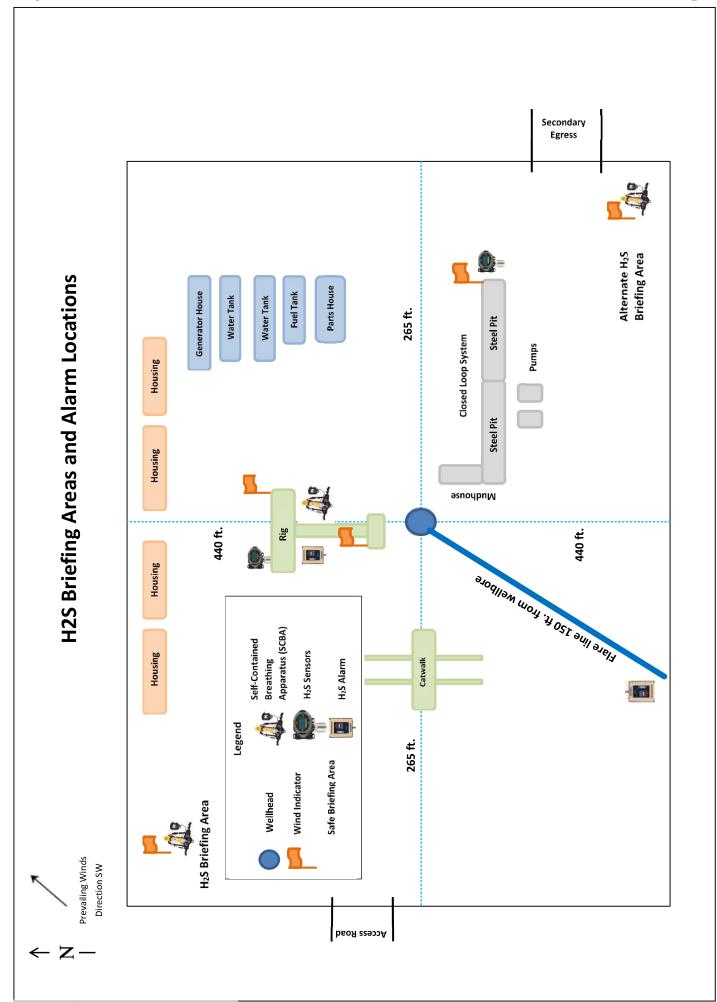
Contacting Authorities

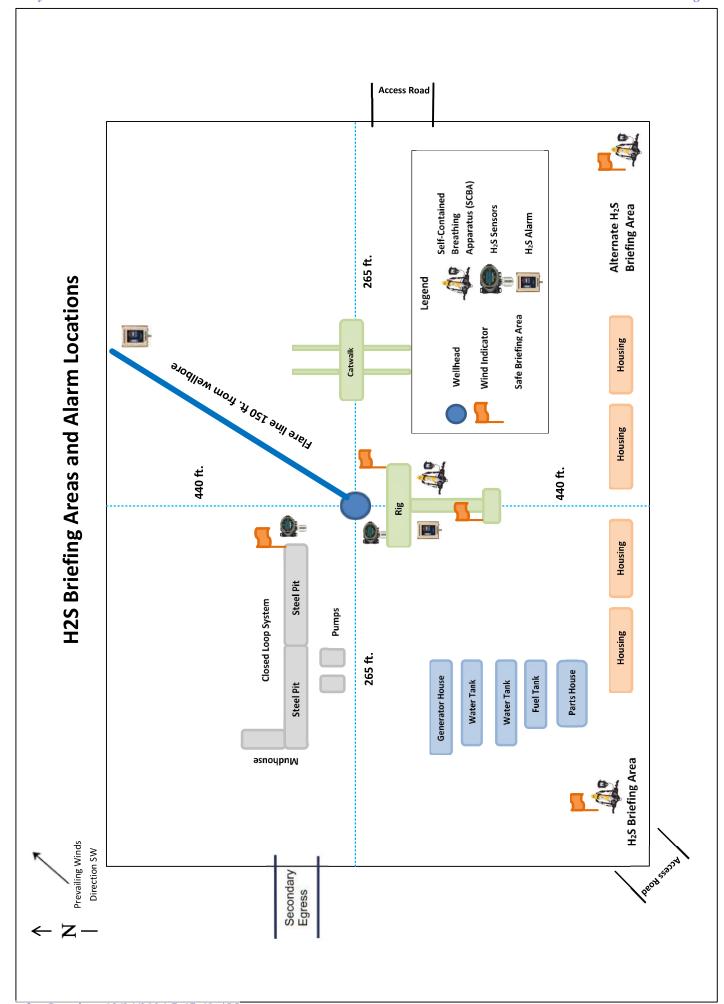
All XTO location personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, 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

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 575-394-2111 Hobbs 575-396-2359 HOSPITALS: 911 Carlsbad Medical Emergency 575-396-2359 HOSPITALS: 911 Carlsbad Medical Emergency 575-394-2112 Hobbs Medical Emergency 575-395-2221 Lovington 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 Me	3104 E. Greene St., Carlsbad, NM 88220 Carlsbad, NM	575-887-7329
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 575-397-9308 Jal Medical Emergency 575-395-2221 Lovington Medical Emergency 575-395-2221 Lovington Medical Emergency 575-393-2359 AGENT NOTIFICATIONS: 575-393-3612 For Lea County: 575-393-3612 New Mexico Oil Conservation Division – Hobbs 575-393-3616 For Eddy County: Bureau of Land Management - Carlsbad 575-234-5972	Will Dacus, Drilling Manager Brian Dunn, Drilling Supervisor Robert Bartels, Construction Execution Planner Andy Owens, EH & S Manager	832-653-0490 406-478-3617 903-245-2602
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 575-395-2221 Lovington Medical Emergency 575-393-259 AGENT NOTIFICATIONS: 575-393-3612 For Lea County: 575-393-3612 New Mexico Oil Conservation Division – Hobbs 575-393-3616 For Eddy County: Bureau of Land Management - Carlsbad 575-234-5972	SHERIFF DEPARTMENTS:	
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 575-397-9308 Jal Medical Emergency 575-395-2221 Lovington Medical Emergency 575-396-2359 AGENT NOTIFICATIONS: For Lea County: Secondary 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		
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 575-394-2112 Hobbs Medical Emergency 575-397-9308 Jal Medical Emergency 575-395-2221 Lovington Medical Emergency 575-396-2359 AGENT NOTIFICATIONS: For Lea County: 575-393-3612 New Mexico Oil Conservation Division – Hobbs 575-393-6161 For Eddy County: Bureau of Land Management - Carlsbad 575-234-5972	Lea County	575-396-3611
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Bureau of Land Management - Carlsbad 575-234-5972	For Lea County: Bureau of Land Management – Hobbs	
Bureau of Land Management - Carlsbad 575-234-5972	For Eddy County:	
	Rureau of Land Management - Carlshad	575-234-5972







Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 23 DTD Well Number: 542H

Safe containment attachment:

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

FACILITY

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: 542H

Section 9 - Well Site

Well Site Layout Diagram:

PLU 23 DTD 542H Well 20240413170353.pdf PLU 23 DTD 542H RL 20241011135436.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.

Road interim reclamation (acres): 0

Other interim reclamation (acres): 0

Well pad proposed disturbance

(acres):

Road proposed disturbance (acres):

Powerline proposed disturbance (acres):

Pipeline proposed disturbance

(acres):

Other proposed disturbance (acres):

Total proposed disturbance: 0

Well pad interim reclamation (acres): 0 Well pad long term disturbance

(acres): 0

Road long term disturbance (acres): 0

Powerline interim reclamation (acres): Powerline long term disturbance

(acres): 0

Pipeline interim reclamation (acres): 0 Pipeline long term disturbance

(acres): 0

Other long term disturbance (acres): 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: 542H

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:

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

Action 409044

CONDITIONS

| Operator: | OGRID: |
|----------------------------|---|
| XTO PERMIAN OPERATING LLC. | 373075 |
| 6401 HOLIDAY HILL ROAD | Action Number: |
| MIDLAND, TX 79707 | 409044 |
| | Action Type: |
| | [C-101] BLM - Federal/Indian Land Lease (Form 3160-3) |

CONDITIONS

| Created By | Condition | Condition Date |
|-------------|---|----------------|
| tsebastian | Cement is required to circulate on both surface and intermediate1 strings of casing. | 12/5/2024 |
| tsebastian | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing. | 12/5/2024 |
| ward.rikala | Notify the OCD 24 hours prior to casing & cement. | 12/24/2024 |
| ward.rikala | File As Drilled C-102 and a directional Survey with C-104 completion packet. | 12/24/2024 |
| ward.rikala | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. | 12/24/2024 |
| ward.rikala | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system. | 12/24/2024 |