State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr.

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

2000 IDN 20 PM 1 5

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Santa Fe, NM 87505

Proposed	Alternative Metho	od Permit o	r Closure F	<u> Ilan Applica</u>	tion	
Existing BGT Legacy BGT1	Permit of a pit, closed-loc Closure of a pit, closed-lo Modification to an existir Closure plan only submit proposed alternative meth	oop system, belong permit ted for an existing	w-grade tank,	or proposed alter	native method	
Instructions: Please submit one	application (Form C-144) p	er individual pit,	closed-loop syste	em, below-grade ta	nk or alternative request	
Please be advised that approval of this request environment. Nor does approval relieve the op-						ance
Operator: XTO Energy, Inc.	3.72		OGRID #:	5380		0.0
Address: #382 County Road 3100, A	Aztec, NM 87410					_
Facility or well name: Schwerdtfeger A	. #5E					_
API Number: 30-045-24790		OCD Permit N	lumber:			
U/L or Qtr/Qtr A Section	06 Township 27	N Range	08W Cor	unty: San J	uan	
Center of Proposed Design: Latitude 36	i.608820	Longitude _	107.715840		NAD: 🔲 1927 🛛 19	83
Surface Owner: ☑ Federal ☐ State ☐ Pr	rivate Tribal Trust or Ind	ian Allotment				
☐ Pit: Subsection F or G of 19.15.17.1 Temporary: ☐ Drilling ☐ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ Lined ☐ Unlined Liner type: Thick ☐ String-Reinforced Liner Seams: ☐ Welded ☐ Factory ☐	on 🔲 P&A knessmil 🔲 Ll				x W x D	
3.						
☐ Closed-loop System: Subsection H of Type of Operation: ☐ P&A ☐ Drilling sintent) ☐ Drying Pad ☐ Above Ground Steel ☐ Lined ☐ Unlined Liner type: Thickn Liner Seams: ☐ Welded ☐ Factory ☐	a new well Workover or Tanks Haul-off Bins essmil	OtherHD				of
4.						_
☑ Below-grade tank: Subsection I of I Volume: 120 bbl Ty Tank Construction material: Stee ☐ Secondary containment with leak determined	ype of fluid: Produce	_	and automatic ov	erflow shut-off		23 AM
☐ Visible sidewalls and liner ☐ Visibl					it off, no liner	11:00:23
Liner type: Thickness		_		•		11:
5.						022
Alternative Method:						70/2
Submittal of an exception request is require	ed. Exceptions must be sub	mitted to the Sant	a Fe Environme	ntal Bureau office (for consideration of approva	I. ≈ ĭ.
Form C-144	Oil C	onservation Divis	ion		Page 1 of 5	to Imaging
.0.						id to

6.	
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing	ol, hospital,
7.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Expanded metal or solid vaulted top Monthly inspections (If netting or screening is not physically feasible)	
s. Signs: Subsection C of 19.15.17.11 NMAC □ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.3.103 NMAC	
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Burea consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	u office for
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accommaterial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the application of accommandations. Requests regarding changes to certain siting criteria may require administrative approval from the application of the santa for a considered an exception which must be submitted to the Santa for Environmental Bureau office for consideration of Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to disabove-grade tanks associated with a closed-loop system.	ropriate district
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ⊠ N
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ N
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ N ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ N
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ⊠ N
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ N
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ⊠ N
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☑ 1
Within a 100-year floodplain FEMA map	☐ Yes ⊠
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map Within a 100-year floodplain. - FEMA map Form C-144 Oil Conservation Division Page 2 of	Yes 🗆 Yes 🗆 1700 Yes
	Rologood

PR P P P P P P P P P P P P P P P P P P		iks Permit Application Attachment Ched to the application. Please indicate, by	ecklist: Subsection B of 19.15.17.9 NMAC y a check mark in the box, that the documents are
 ☒ Hydrogeologic Report (Bel ☐ Hydrogeologic Data (Temp ☒ Siting Criteria Compliance ☒ Design Plan - based upon the 	porary and Emergency Pit Demonstrations - based un the appropriate requirement	pon the appropriate requirements of 19.1 ats of 19.15.17.11 NMAC	graph (2) of Subsection B of 19.15.17.9 NMAC 5.17.10 NMAC
		propriate requirements of 19.15.17.12 NI if applicable) - based upon the appropria	MAC trequirements of Subsection C of 19.15,17.9 NM/
☐ Previously Approved Design	(attach copy of design)	API Number:	or Permit Number:
12. Closed-Joon Systems Parmit An	unlication Attachment C	hecklist: Subsection B of 19.15.17.9 N	MAC
			y a check mark in the box, that the documents are
Geologic and Hydrogeolog Siting Criteria Compliance Design Plan - based upon t Operating and Maintenanc	Demonstrations (only for the appropriate requirement the Plan - based upon the ap	r on-site closure) - based upon the appropriate of 19.15.17.11 NMAC oppropriate requirements of 19.15.17.12 N	F Paragraph (3) of Subsection B of 19.15.17.9 priate requirements of 19.15.17.10 NMAC MAC ate requirements of Subsection C of 19.15.17.9 NM
Previously Approved Design	(attach copy of design)	API Number:	
Previously Approved Operati	ing and Maintenance Plan	API Number:	(Applies only to closed-loop system that use
above ground steel tanks or haul-	-off bins and propose to in	nplement waste removal for closure)	
13. Permanent Pits Permit Applica Instructions: Each of the follow attached.			y a check mark in the box, that the documents are
Siting Criteria Compliance Climatological Factors Ass Certified Engineering Desi Dike Protection and Struct	Demonstrations - based of sessment ign Plans - based upon the ural Integrity Design - bas	s of Paragraph (1) of Subsection B of 19. upon the appropriate requirements of 19.1 appropriate requirements of 19.15.17.11 sed upon the appropriate requirements of	I5.17.10 NMAC NMAC
☐ Liner Specifications and C ☐ Quality Control/Quality As ☐ Operating and Maintenance	ompatibility Assessment - ssurance Construction and e Plan - based upon the ap	requirements of 19.15.17.11 NMAC based upon the appropriate requirements Installation Plan propriate requirements of 19.15.17.12 N upon the appropriate requirements of 19.	MAC
Nuisance or Hazardous Od Emergency Response Plan Oil Field Waste Stream Ch Monitoring and Inspection	lors, including H ₂ S, Preve naracterization		
☐ Erosion Control Plan		nts of Subsection C of 19.15.17.9 NMA	C and 19.15.17.13 NMAC
14. Proposed Closure: 19.15.17.13	NMAC		
Instructions: Planca complate the		s 14 through 18, in regards to the propo	sed closure plan.
-	Calif		
Type: Drilling Workover	□ Emergency □ Cavi	tation 🗌 P&A 📗 Permanent Pit 🔯 E	Below-grade Tank 🔲 Closed-loop System
Type: Drilling Workover Alternative Proposed Closure Method: W	Vaste Excavation and Ren Vaste Removal (Closed-lon-site Closure Method (Constitution of Constitution of Cons	noval pop systems only) Only for temporary pits and closed-loop s	
Type: Drilling Workover Alternative Proposed Closure Method: W	Vaste Excavation and Ren Vaste Removal (Closed-lon-site Closure Method (C	noval pop systems only) only for temporary pits and closed-loop sy On-site Trench Burial	
Type: Drilling Workover Alternative Proposed Closure Method: W C A IS. Waste Excavation and Removal Closure plan. Please indicate, by	Vaste Excavation and Ren Vaste Removal (Closed-le On-site Closure Method (C In-place Burial Alternative Closure Metho I Closure Plan Checklist of a check mark in the box	noval boop systems only) only for temporary pits and closed-loop sy On-site Trench Burial d (Exceptions must be submitted to the S : (19.15.17.13 NMAC) Instructions: Ea that the documents are attached.	ystems)
Type: Drilling Workover Alternative Proposed Closure Method: W A S. Waste Excavation and Removal Closure plan. Please indicate, by Protocols and Procedures - Confirmation Sampling Pla Disposal Facility Name and Soil Backfill and Cover De Re-vegetation Plan - based	Vaste Excavation and Ren Vaste Removal (Closed-le On-site Closure Method (C In-place Burial Alternative Closure Metho I Closure Plan Checklist To a check mark in the box To based upon the appropria an (if applicable) - based to I deprinit Number (for liquesign Specifications - base To upon the appropriate requirements	noval bop systems only) only for temporary pits and closed-loop sy On-site Trench Burial d (Exceptions must be submitted to the S : (19.15.17.13 NMAC) Instructions: Ed	ystems) Santa Fe Environmental Bureau for consideration) Such of the following items must be attached to the section F of 19.15.17.13 NMAC Subsection H of 19.15.17.13 NMAC NMAC
Type: Drilling Workover Alternative Proposed Closure Method: W Comparison A 15. Waste Excavation and Removal Closure plan. Please indicate, by Protocols and Procedures - Confirmation Sampling Pla Disposal Facility Name and Soil Backfill and Cover De Re-vegetation Plan - based	Vaste Excavation and Ren Vaste Removal (Closed-le On-site Closure Method (C In-place Burial Alternative Closure Metho I Closure Plan Checklist To a check mark in the box To based upon the appropria an (if applicable) - based to I depend to based to I closure Plan Checklist To a check mark in the box To based upon the appropria an (if applicable) - based to I closure Plan Checklist To checklis	noval pop systems only) Only for temporary pits and closed-loop sy On-site Trench Burial d (Exceptions must be submitted to the S : (19.15.17.13 NMAC) Instructions: Ed., that the documents are attached. te requirements of 19.15.17.13 NMAC upon the appropriate requirements of Subids, drilling fluids and drill cuttings) d upon the appropriate requirements of Subricements of Subsection I of 19.15.17.13	ystems) Santa Fe Environmental Bureau for consideration) Such of the following items must be attached to the section F of 19.15.17.13 NMAC Subsection H of 19.15.17.13 NMAC NMAC
Type: Drilling Workover Alternative Proposed Closure Method: Workover Volume Alternative Proposed Closure Method: Workover Volume Alternative Alternat	Vaste Excavation and Ren Vaste Removal (Closed-le On-site Closure Method (C In-place Burial Alternative Closure Metho I Closure Plan Checklist To a check mark in the box To based upon the appropria an (if applicable) - based to I depend to based to I closure Plan Checklist To a check mark in the box To based upon the appropria an (if applicable) - based to I closure Plan Checklist To checklis	pop systems only) Only for temporary pits and closed-loop symples of temporary pits and closed-loop symples of the control of	ystems) Santa Fe Environmental Bureau for consideration) Sach of the following items must be attached to the section F of 19.15.17.13 NMAC Subsection H of 19.15.17.13 NMAC NMAC 7.13 NMAC

Disposal Facility Name:	Disposal Facility Permit !	Number:				
Disposal Facility Name:						
	tions and associated activities occur on or in areas that will	tivities occur on or in areas that will not be used for future service and operate				
Re-vegetation Plan - based upon the appropr Site Reclamation Plan - based upon the appr	I for future service and operations: as based upon the appropriate requirements of Subsection terror for the service of Subsection 1 of 19.15.17.13 NMAC operate requirements of Subsection G of 19.15.17.13 NMA		С			
rovided below. Requests regarding changes to co	nstration of compliance in the closure plan. Recommen ertain siting criteria may require administrative approval to the Santa Fe Environmental Bureau office for consid	from the appropriate dist	rict office or m			
round water is less than 50 feet below the bottom NM Office of the State Engineer - iWATE	of the buried waste. RS database search; USGS; Data obtained from nearby we	lis	Yes 1			
round water is between 50 and 100 feet below the - NM Office of the State Engineer - iWATE	bottom of the buried waste RS database search; USGS; Data obtained from nearby we	lls	☐ Yes ☐ 1			
round water is more than 100 feet below the botto - NM Office of the State Engineer - iWATE	om of the buried waste. RS database search; USGS; Data obtained from nearby we	lls	Yes 1			
/ithin 300 feet of a continuously flowing watercouke (measured from the ordinary high-water mark) - Topographic map; Visual inspection (certif		ebed, sinkhole, or playa	☐ Yes ☐			
/ithin 300 feet from a permanent residence, school- Visual inspection (certification) of the prop	I, hospital, institution, or church in existence at the time of osed site; Aerial photo; Satellite image	initial application.	☐ Yes ☐			
atering purposes, or within 1000 horizontal feet o	esh water well or spring that less than five households use f any other fresh water well or spring, in existence at the ti RS database; Visual inspection (certification) of the propos	me of initial application.	☐ Yes ☐			
dopted pursuant to NMSA 1978, Section 3-27-3, a	n a defined municipal fresh water well field covered under is amended. the municipality; Written approval obtained from the municipality.	•	☐ Yes ☐			
/ithin 500 feet of a wetland US Fish and Wildlife Wetland Identification	n map; Topographic map; Visual inspection (certification)	of the proposed site	☐ Yes ☐			
/ithin the area overlying a subsurface mine Written confirmation or verification or map	from the NM EMNRD-Mining and Mineral Division		☐ Yes ☐			
/ithin an unstable area. - Engineering measures incorporated into the Society; Topographic map	design; NM Bureau of Geology & Mineral Resources; US	SGS; NM Geological	☐ Yes ☐			
/ithin a 100-year floodplain FEMA map			☐ Yes ☐			
a check mark in the box, that the documents are Siting Criteria Compliance Demonstrations - Proof of Surface Owner Notice - based upon Construction/Design Plan of Burial Trench (Construction/Design Plan of Temporary Pit (Protocols and Procedures - based upon the appropriate of Confirmation Sampling Plan (if applicable) - Waste Material Sampling Plan - based upon Disposal Facility Name and Permit Number of Soil Cover Design - based upon the appropriate Re-vegetation Plan - based upon the appropriate of Cover Design - based upon the appropriate of Cover D	AAC) Instructions: Each of the following items must be a attached. based upon the appropriate requirements of 19.15.17.10 N the appropriate requirements of Subsection F of 19.15.17. if applicable) based upon the appropriate requirements of for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC based upon the appropriate requirements of Subsection F the appropriate requirements of Subsection F of 19.15.17.13 NMAC for liquids, drilling fluids and drill cuttings or in case on-sate requirements of Subsection I of 19.15.17.13 NMAC atterequirements of Subsection I of 19.15.17.13 NMAC appriate requirements of Subsection G of 19.15.17.13 NMAC	NMAC 13 NMAC 19.15.17.11 NMAC priate requirements of 19. of 19.15.17.13 NMAC 13 NMAC tite closure standards cann	15.17.11 NMA			
Form C-144	Oil Conservation Division	Page 4 o	f 5			

Name (Print): Kim Champlin	Title: Environmental Representative
Signature: Kim Champles	Date:01/02/2009
e-mail address: kim_champlin@xtoenergy.com	
0.	closure plan)
OCD Representative Signature: Shelly We	Approval Date: 08/10/2022
Fitle: Environmental Specialist-A	OCD Permit Number: Legacy BGT1
Instructions: Operators are required to obtain an ap The closure report is required to be submitted to the	e completion): Subsection K of 19.15.17.13 NMAC oproved closure plan prior to implementing any closure activities and submitting the closure repodivision within 60 days of the completion of the closure activities. Please do not complete this as been obtained and the closure activities have been completed. Closure Completion Date:
2.	
If different from approved plan, please explain.	osure Method Alternative Closure Method Waste Removal (Closed-loop systems only
Instructions: Please indentify the facility or facilitie wo facilities were utilized.	e For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: is for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more
	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associate Yes (If yes, please demonstrate compliance to the compliance to th	d activities performed on or in areas that <i>will not</i> be used for future service and operations? the items below) \(\subseteq\) No
Required for impacted areas which will not be used for Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding 1	
mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and div Proof of Deed Notice (required for on-site closures) Plot Plan (for on-site closures and temporary pi Confirmation Sampling Analytical Results (if a waste Material Sampling Analytical Results (if a Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding 1	ure) (ts) (pplicable) equired for on-site closure)
Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	Longitude NAD:
s. Description: Description: Description: Description and attachments solvelief. I also certify that the closure complies with all Name (Print):	submitted with this closure report is true, accurate and complete to the best of my knowledge and applicable closure requirements and conditions specified in the approved closure plan. Title:
Signature:	Date:
-mail address:	

PO Bax 1980, Hobbs, NM 88241-1980

811 S. 1st Street, Artesia, NM 88210-2834

1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District II

District III

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 199 Instructions on bac Submit to Appropriate District O State Lease - 4 Copie Fee Lease - 3 Copie

☐ AMENDED REPORT

OIL CONSERVATION DIVISION

WELL LOCATION AND ACREAGE DEDICATION PLAT

1	API Numb	er	Pool Code 3 Pool No						3 Pool Name		
3	0-045-24	790	96925 WILDLAT 17N Sweet and G							<u>s) </u>	
4 Propert	y Code		5 Property Name						6 W	/ell Number	
			Schwerdtfeger A							#SE	
7 OGRII	O No.				8 Operator N	ame			9	Elevation	
1670	067			Cross 1	Timbers Oper	ating Company			(6,456	
			_	10							
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/We	st line	County	
Α	6	27N	OBW	**	850	North	1,060	East	:	San Juan	
			11 Bo	ttom Hole	Location If 1	Different From	Surface				
UL or lot no.	Section	Township	wrship Range Lot. Idn Feet from the North/South Line Feet from the East/West line County						County		
	12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.										
NO ALLO	OWABLE					TION UNTIL A BEEN APPROV				EN CONSOL	
					*	850'				ICATION contained herein is owledge and belief.	

			850'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
			1,060'	
TON.	NEA		1,020	Mattern
JUN 1	4.5	-	/,	Signature Jeffery W. Patton
୍ରମୁଣ୍ଟ ଓଡ଼ି ଜୀବ	N. DIJ.			Printed Name (Production Engineer Title
19,10	SEG.	6		06/09/99 Date
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat
		_	_	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
				Aug. 7, 1980
	ii ii			Date of Survey Signature and Seal of Professional Surveyer:
				ORIGIPAL SIGNED BY
]		FRED B. KERR
		_		3950
				Certificate Number

Received by OCD: 4/13/2022 5:32:51 AM

A * 1 . 0 .		Pit Permit		Client	XTO Energy
Lodestar Servic	es, Inc.			Project	tank permitting
PO Box 4465, Duran	go, CO 81302	Siting Criteria		Revised	29-Nov-08
V		Information		Prepared by:	Trevor Ycas
API#:	3	0-045-24790		USPLSS:	27N 08W 6 A
Name:	SCHWERD	TFEGER A No. 005E		Lat/Long:	36.608820°, -107.715840°
Depth to groundwater:		depth > 100'		Geologic formation:	Ear loce Engage (Tail
Distance to closest continuously flowing watercourse:	9.6 miles	N to 'San Juan River'		site elevation: 1968m/6457'	
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	2.1 miles E to 'Largo Canyon'				
				Soil Type:	Rockland
Permanent residence, school, hospital, institution or church within 300'		NO			
				Annual Precipitation:	Navajo Dain. 12.93 , Governauor: 11.98 ,
Domestic fresh water well or spring within 500'		NO		Precipitation Notes:	Historical daily max. precip.: 4.19" (Bloomfield)
Any other fresh water well or spring within 1000'		NO			
Within incorporated municipal boundaries	,	NO		Attached Documents:	26N7W_iWaters.pdf, 26N08W_iWaters.pdf, 26N09W_iWaters.pdf, 27N07W_iWaters.pdf, 27N08W_iwaters.pdf, 27N09W_iwaters.pdf, 28N07W_iWaters.pdf, 28N08W_iWaters.pdf, 28N09W_iWaters.pdf
Within defined municipal fresh water well field		NO		FM3S006407508_30- 045-24790.jpg	30-045-24790_gEarth-lWaters.jpg, 30-045-24790_gEarth- PLS.jpg ,30-045-24790_topo-PLS.jpg
Wetland within 500'		NO		Mining Activity:	None Near
				i	NM_NRD-MMD_MinesMillQuarries_30-045-24790.jpg
Within unstable area		NO			
Within 100 year flood plain	NO -	FEMA Zone 'X'			
Additional Notes:	-		1		
drains to 'Largo Canyon' via 'Fresno Canyon'	conf	fined drainage			upper reaches of Fresno Canyon, NW of Hollis Pass

Received by OCD: 4/13/2022 5:32:51 AM

Schwerdtfeger A #5E Below Grade Tank Hydrogeologic Report for Siting Criteria

General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the central Largo Canyon region of the San Juan Basin north of Hollis pass below Blanco Mesa. This site overlooks Fresno Canyon. The predominant geologic formation is the San Jose Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits serve as the primary aquifers in the San Juan basin (Stone et al., 1983). In most of the proposed area, the San Jose Formation lies at the surface and overlies the Nacimiento Formation. Thickness of the San Jose ranges from 200 to 2700 feet, thickening from west to east (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the San Jose Formation are between 0 and 2700' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the San Juan River. Little specific Hydrogeologic data is available for the San Jose Formation system, but "numerous well and springs used for stock and domestic supplies" draw their water from the San Jose Formation (Stone et al., 1983).

The prominent soil type at the proposed site are entisols and aridisols, which are defined as soils that exhibit little to no any profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the San Juan River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area and prohibits effective recharge to the underlying aquifers.

Dry and arid weather further prohibit active recharge. The climate of the region is arid, averaging just over 8 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu).

The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

Site Specific Hydrogeology

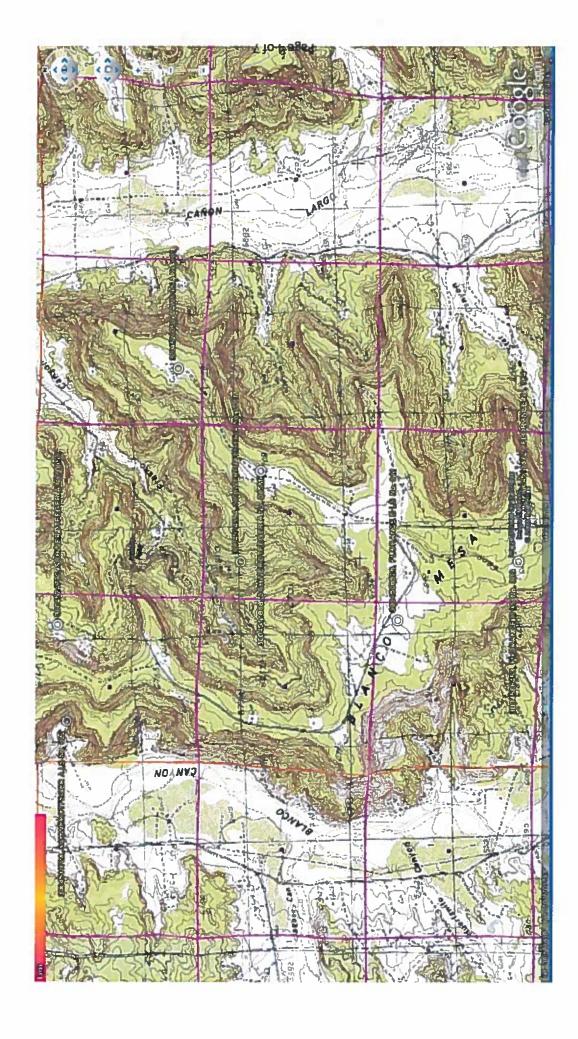
Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone, shale. "Extensive intertonguing" of different members of this formation is reported (Stone et al, 1983). Porous sandstones form the principal aquifers, while relatively impermeable shales and mudstones form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the San Jose Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to several hundred feet (USGS, Groundwater Atlas of the US) (Stone et al, 1983).

The site in question is located on a relatively flat canyon shelf, on the east side of Blanco Mesa, at an elevation of approximately 6460 feet and approximately 4800 feet west of Largo Canyon. This region is deeply incised by canyons, washes, gullies and arroyos, with large, flat-topped mesas the other dominant topographic feature. The mesas are composed of cliff-forming sandstone, and systems of dry washes and their tributaries are evident on the attached aerial image. Groundwater is expected to be shallow within Largo Canyon and within major tributary systems. However, an elevation difference between the site and the base of Largo Canyon of over 600 feet suggests groundwater is considerably deeper at the proposed site.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. Groundwater data is extremely limited in this region; the nearest iWaters data point lies 2.4 miles north in the mouth of Blanco Canyon (SJ02800). Other 'nearby' iWaters wells are located 5.3 miles northeast (SJ02283), 7.2 miles east-south-east (SJ02314), and 3.4 miles northeast (SJ00163S).

Wells located at similar elevations along Largo Canyon contain groundwater primarily at depths greater than 18 feet, occasionally in excess of 500 feet. A map showing the location of wells in reference to the proposed pit location is attached. An elevation difference of over 600 feet between the site and the nearest major stream channel suggests groundwater is likely deeper than 100 feet.





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WATER COLUMN REPORT 08/04/2008

	Water (in feet) Column
	Water (
	Depth Water
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WATER COLUMN REPORT 08/04/2008

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	27N	07W	35	4	<u>س</u>				560	465	95		
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SJ 03274	27N	07W	35	60	4				450				
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\$7 66062	HOO		0 EL PASO NATURAL GAS COMPANY	8.7 00062	Shallow	27H 0	EN 32 3 3 3				13	276278	4044923	11/08/1956		
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53 02291			BIM 1	£J 02291		2711 0	EN 23 4 3 1				13	281993	4048335			
8.7 02403	DOM	61	JOE OR WILHA KAIHE	8J 02403	27H 06W 30 3 1 3	27H 0	6W 30 3 1 3				13 274714	274714	4047115		12/31/1946	
8.7 03001		3	CHARLES E. BRADLEY	8.7 03001	Shallow	27B 0	EN 07 2 2 1				13	276165	1052831	06/28/2000		
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WATER COLUMN REPORT 08/08/2008

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SJ 02962	26N	M60	01	5	m				1500				
SJ 01756		M60	11	2 2	m				75	40	35		
SJ 03811 POD1			12	(L)	m				348	175	173		
SJ 00412			91	7					202	65	137		
SJ 00214			26	2	2				946	230	716		
SJ 00064			56	2	-				490	215	275		
SJ 00063		. We 0	92	4	m				479	234	245		

Record Count:

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WATER COLUMN REPORT 08/07/2008

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	(quarters	are	big	jes	t t	smalle	st)		Depth	Depth		(in feet	t)
POD Number	Tws	Rng S	0	ה ה	ט	Zone	×	×	Well	Water	Column		
SJ 02405	26N	D WBC	<u>-</u>	2	'n				180	100	80		
SJ 02411	26N 08W 01 4 4 1	0 M80	_	7	-				0009				
SJ 02407	26N	08W	_ 	4	_				2200				
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WATER COLUMN REPORT 08/06/2008

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SJ 00071	26N	7.W	15 4 1 2	4	1 2	٥.				365	26	339		
	26N	7.6	15	4	2	~				335	22	313		
SJ 02406	26N	7.	30	ന	2 1	_				280	180	100		

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WATER COLUMN REPORT 08/12/2008

Depth Water Depth Well Þ (quarters are biggest to smallest) (quarters are 1=NW 2=NE 3=SW 4=SE) Zone Tws Rng Sec q q q POD Number

Water (in feet)

Column

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			• All		
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		County:	Owner N		

WATER COLUMN REPORT 08/06/2008

	(quarters are 1=NW 2=NE 3=SW 4=SE)	are	1=1	3	ZI.	E E	3W 4=SE)							
	(quarters	are	biq	ğ	빞	to si	mallest)				Depth	Water	(in	feet)
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SJ 00018	28N	M60	20	m	4						71	64		
SJ 02800	28N	M60	24	P	m									

Record Count: 3

			● All		
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WATER COLUMN REPORT 08/04/2008

	ter (in feet)	Column	09			15	650
		Water Col					800
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=SW 4=SE)	smallest)	Zone X					
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(quarters ar	(quarters ar	Tws Rng	28N 08W	28N 08W	DED-8 28N 08W	28N 08W	28N 08W
		POD Number	SJ 02283	SJ 00209	SJ 00209 -AMENDE	SJ 00209 S	SJ 00163 S

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		x:	Domestic	r.	
	Search Radius:	Number: Suffix:	ONon-Domestic ODomestic OAll	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Нер
Sections:	Zone:	Nun		Depth to Water Report	WATERS Menu Help
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Township: 28	NAD27 X:		ame: (First)	POD / Surface	
		County:	Owner Name:		

WATER COLUMN REPORT 08/11/2008

<u> </u>	quarter	s are	1=1	1	2=1	员3	=SW 4=SE)							
-	quarter	s are	bid 1	95	t a	to	quarters are biggest to smallest)			Depth	Depth	Water	(in	feet)
POD Number	TWB	Rng	Se C	ש	0	-	Zone	×	×	Well	Water	Column		
	28N	M/0	14	П						375				
SJ 03116	28N	ML0	21	ന	(L)	~				86	20	78		
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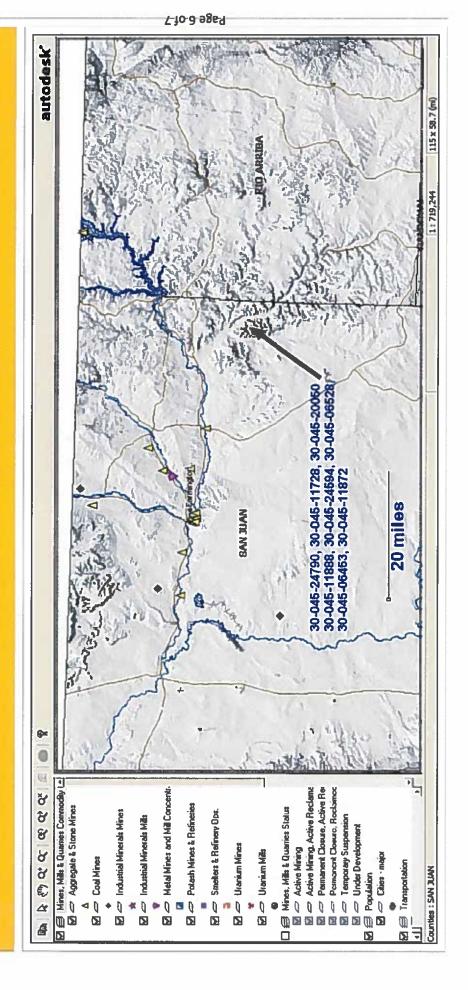
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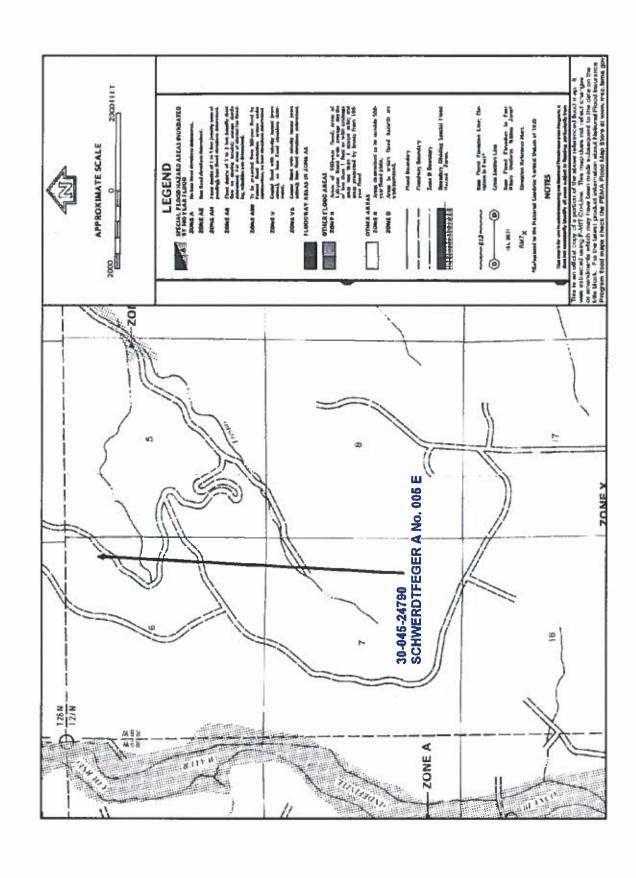
			POD / SURFACE DATA REPORT 10/11/2001	/11/2008													
					(quarters are 1=3W 2=MZ 3=SW 4=8Z)	1 1=MW	2=NZ 3=	SM 4=8E.	_								
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63 00200	H. 0	20	BURLINGTON RESOURCES OIL & GAS	8J 00200	Artesian	288	DEW 23	E E				13	281564	4057870		05/23/1967	1551
EJ 03005	STK	3	DON SCHREIBER	£J 03005	Shallow	268	06W 21	4 2 2				13	279663	4058421	09/06/2000	08/10/2000	245
8.7 03043	STK	•	JAME SCHREIBER	8J 03043	Shallow	2811	06W 21	4 2 2				13	279663	4058421	09/01/2000	09/05/2000	290
£3 03091	STK	9	JANE SCHRETBER	63 03091	Shallow	2811	0£W 29	2 2 3				13	277834	4057457	05/11/2001	05/18/2001	150
6.7 03443	STK	0	TON SCHREIBER	6.7 03443		28N	DEW 22	0.00				13	279854	4057809			300
8.7 03675	MO DO	3	ARTURO R, SANCHEZ	8J 03675	Shallow	2611	06W 14	+ 11	u	153167 2	2059732	13	282528	4059346	11/08/2005	11/10/2005	\$20
£3 03700	STK	3	JANE SCHREIBER	8J 03700 POD1	Shallow	261	06W 12								02/20/2006	02/25/2006	150

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Mines, Mills and Quarries Web Map





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XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks

In accordance with Rule 19.15.17.11 NMAC the following information describes the design and construction of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

- 1. XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the existing well site operated by XTO where the existing below-grade tank is located. The sign will list the Operator on record as the operator, the location of the well site by unit letter, section, township, range, and emergency telephone numbers.
- 3. XTO is requesting approval of an alternative fencing to be used on below-grade tank locations. Below-grade tank locations will be fenced utilizing 48" steel mesh field-fence (hogwire) with pipe railing along the top. A 6' chain link fence will be utilized around the well pad if the well site is within a city limits or ½ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000' of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 4. XTO shall construct below-grade tanks with an expanded metal covering or solid vaulted top on the top of the below-grade tank.
- 5. XTO will ensure that below-grade tanks are constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight. Tanks will be constructed of A36 carbon steel with 3/16" sides and ¼" bottom. (See attached drawing).
- 6. The below-grade tank system will have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom. Sand bedding (4") will be placed on top of a level foundation to ensure prevention of punctures, cracks or indentations of the liner or tank bottom.
- 7. XTO will construct a berm and/or diversion ditch in a manner that prevents the collection of surface water run-on. Below-grade tanks will be equipped with automatic high level shut-off devices as well as manually operated shut-off valves. (See attached drawing).
- 8. XTO will construct and use below-grade tanks that do not have double walls. The below-grade tank sidewalls will be open for visual inspection for leaks. The sidewalls of the cellar will be constructed with 2" X 12" pine sidewalls and 4" X 4" pine brace posts. The below-grade tank

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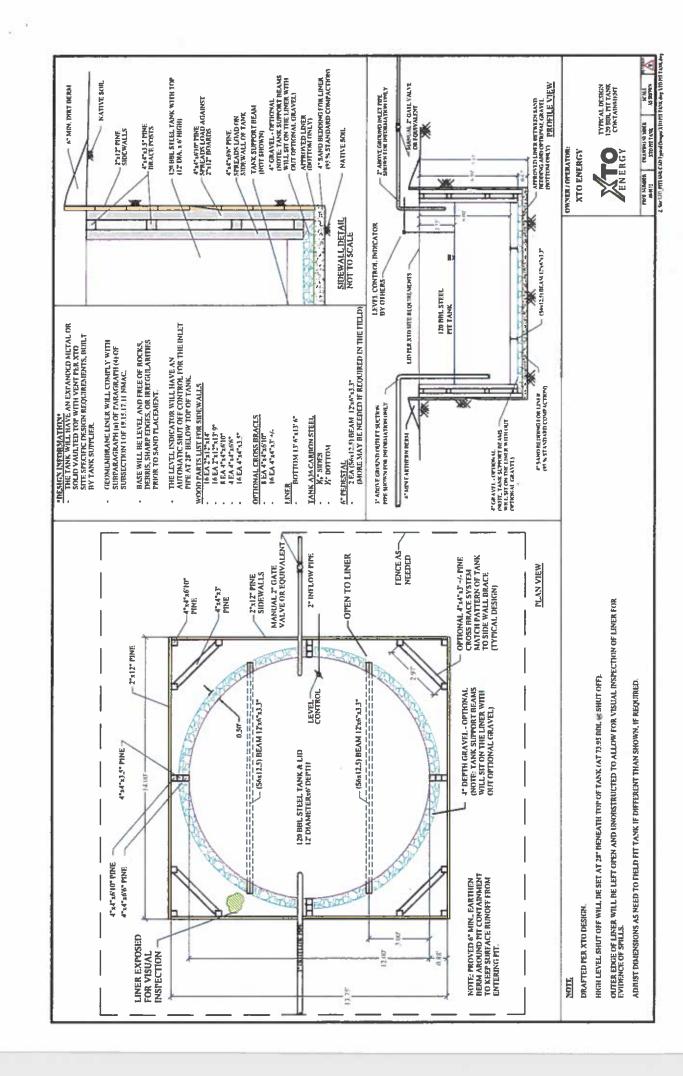
XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks Page 2

> bottom will be elevated a minimum of 6" above the underlying ground surface and the belowgrade tank will be underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected. (See attached drawing).

- XTO will equip below-grade tanks designed in this manner with a properly functioning automatic 9. high-level shut-off control device and manual controls to prevent overflows. (See attached
- XTO will demonstrate to the OCD that the geomembrane liner complies with the specifications of 10. Subparagraph (a) of Paragraph (4) of Subsection I of 19.15.17.11 NMAC and obtain approval from OCD prior to the installation of the design. The geomembrane liner shall have a hydraulic conductivity no greater than 1 x 10-9 cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidics and alkaline solutions. The liner material shall be resistant to ultraviolet light. Liner compatibility shall comply with EPA SW-846 method 9090A. (See attached drawing).

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The general specifications for design and construction are attached. 11.



XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks

In accordance with Rule 19.15.17.12 NMAC the following information describes the operation and maintenance of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

- 1. XTO will operate and maintain below-grade tanks to contain liquids and solids, maintain the integrity of the liner and secondary containment system, prevent contamination of fresh water and protect public health and the environment. Fluid levels will be monitored weekly and high levels will be removed as necessary. Monthly inspections will be conducted to monitor integrity of below-grade tank systems and below-grade tanks will be equipped with automatic high-level shut-off devices.
- 2. XTO will not allow below-grade tanks to overflow and will use berms and/or diversion ditch to prevent surface run on to enter the below-grade tank. Below-grade tanks will be equipped with automatic high-level shut-off control devices as well as manually operated shut-off valves. See attached drawing for vault design and placement of diversion berms and shut-off devices.
- 3. XTO will continuously remove any visible or measurable layer of oil from the fluid surface of below-grade tanks in order to prevent significant accumulation of oil.
 - 4. XTO will inspect the below-grade tank monthly and maintain written records for five years. Monthly inspections will consist of documenting the following: (see attached template),

Well Name

API#

Sec., Twn., Rng.

XTO Inspector's name

Inspection date and time

Visible tears in liner

Visible signs of tank overflow

Collection of surface run on

Visible layer of oil

Visible signs of tank leak

Estimated freeboard

- 5. XTO will maintain adequate freeboard to prevent over topping of the below-grade tank. High level shut-off devices control the freeboard at an average of 28" beneath the top of the tank.
- 6. XTO will not discharge into or store any hazardous waste in any below-grade tank.
- If a below-grade tank develops a leak, or if any penetration of a below-grade tank occurs below the liquids surface, XTO will remove all liquids above the damage or leak line within 48 hours,

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XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks Page 2

notify the appropriate division district office within 48 hours of the discovery and repair the damage or replace the below-grade tank. If an existing below-grade tank does not meet current requirements of Paragraphs 1-4 of Subsection I of 19.15.17.11 NMAC the tank will be modified or retrofitted to comply. If compliance can not be achieved XTO will implement the approved closure plan.

		MONTH	ILY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	NSPECTIO	N FORM		
Well Name:					API No.:			
								* -
Legals	Sec:		Township:		Range:			.=
XTO	Inspection	Inspection	Any visible liner	Any visible signs of	Collection of surface	Visible layer	Any visible signs	Freeboard
Name	Date	Time	tears (Y/N)	tank overflows (Y/N)	run on (Y/N)	of oil (Y/N)	of a tank leak (Y/N)	Est. (ft)
Notes:	Provide De	Provide Detailed Description:	otion:					
					;			
Misc:								
						:		

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

- XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
- 2. XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
- 4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B

Soil contaminated by exempt petroleum hydrocarbons

Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005 Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- 6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
- 7. XTO will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be

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XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks Page 2

> analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

- 8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
- If the sampling program demonstrates that a release has not occurred or that any release does not 9. exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
 - i. Operator's name
 - Well Name and API Number ii.
 - Location by Unit Letter, Section, Township, and Range iii.

The surface owner shall also be notified prior to the implementation of any closure operations of below-grade tanks as per the approved closure plan using certified mail, return receipt requested.

- 11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable 12. material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. Soil cover will be constructed to the site's existing grade and ponding of water and erosion of the cover material will be prevented with drainage control, natural drainages and silt traps where needed.
- 13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other divisionapproved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

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XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks Page 3

- All closure activities will include proper documentation and be available for review upon request 14. and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
 - Proof of closure notice to division and surface owner; i.
 - Details on capping and covering, where applicable; ii.
 - Inspection reports; iii.
 - Confirmation sampling analytical results; iv.
 - Disposal facility name(s) and permit number(s); v.
 - Soil backfilling and cover installation; vi.
 - Re-vegetation application rates and seeding techniques, (or approved alternative vii. to re-vegetation requirements if applicable);

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viii. Photo documentation of the site reclamation.

District I
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811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 98046

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	98046
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

QUESTIONS

Facility and Ground Water	
Please answer as many of these questions as possible in this group. More information will help us id	lentify the appropriate associations in the system.
Facility or Site Name	SCHWERDTFEGER A 5E
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	SCHWERDTFEGER A 5E
Well API, if associated with a well	30-045-24790
Pit / Tank Type	Not answered.
Pit / Tank Name or Identifier	Not answered.
Pit / Tank Opened Date, if known	Not answered.
Pit / Tank Dimensions, Length (ft)	Not answered.
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.
Pit / Tank Dimensions, Depth (ft)	Not answered.
Ground Water Depth (ft)	Not answered.
Ground Water Impact	Not answered.
Ground Water Quality (TDS)	Not answered.

Below-Grade Tank	
Subsection I of 19.15.17.11 NMAC	
Volume / Capacity (bbls)	120
Type of Fluid	Produced Water
Pit / Tank Construction Material	Steel
Secondary containment with leak detection	Not answered.
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.
Visible sidewalls and liner	Not answered.
Visible sidewalls only	Not answered.
Tank installed prior to June 18. 2008	True
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	Not answered.

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QUESTIONS (continued)

QUESTIONS, Page 2

Action 98046

Operator: HILCORP ENERGY COMPANY	OGRID: 372171
1111 Travis Street	Action Number:
Houston, TX 77002	98046
	Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)
QUESTIONS	•
Fencing	
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank	s)
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)	Not answered.
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.
Alternate, Fencing. Please specify (Variance Required)	4' steel mesh
N. W.	
Netting	
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	Not answered.
Netting	Not answered.
Other, Netting. Please specify (Variance May Be Needed)	expanded metal or solid vaulted top
Signs Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have	e their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.
Signed in compliance with 19.15.16.8 NMAC	True
Variances and Exceptions	
Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for Please check a box if one or more of the following is requested, if not leave blank:	guidance.
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	Not answered.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.

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District III
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**

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

QUESTIONS, Page 3

Action	98046

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	re, NIVI 8/5	U5
QUESTI	ONS (continued)	
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002		GRID: 372171 ction Number: 98046 ction Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)
QUESTIONS		[
Siting Criteria (regarding permitting) 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below. Siting criteria does not apply to drying pads or above-grade tanks.	below in the application	on. Recommendations of acceptable source material are provided
Siting Criteria, General Siting		
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	No	
NM Office of the State Engineer - iWATERS database search	True	
USGS	Not answered.	
Data obtained from nearby wells	Not answered.	
Siting Criteria, Below Grade Tanks		
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	No	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No	
Proposed Closure Method		
Below-grade Tank	Below Grade Tank - ((RGT)
Waste Excavation and Removal	Not answered.	
Alternate Closure Method. Please specify (Variance Required)	Not answered.	

01/02/2009

Operator Application Certification Registered / Signature Date

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

ACKNOWLEDGMENTS

Action 98046

ACKNOWLEDGMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	98046
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

ACKNOWLEDGMENTS

V	I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.
V	I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.

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CONDITIONS

Action 98046

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	98046
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

CONDITIONS

Created By		Condition Date
swells	None	8/10/2022