District I 625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources Department

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent fits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office. 1 25

### Pit Closed-Loon System Relow-Grade Tank

<u>1 11, C105</u>	ed-Loop System, Delow-Grade Tank	., 01
Proposed Alterna	tive Method Permit or Closure Plan	<u>Application</u>
Existing BGT Closure of Modificati	a pit, closed-loop system, below-grade tank, or prop a pit, closed-loop system, below-grade tank, or pro on to an existing permit an only submitted for an existing permitted or non- ulternative method	posed alternative method
	(Form C-144) per individual pit, closed-loop system, bet	low-grade tank or alternative request
	ieve the operator of liability should operations result in pollu responsibility to comply with any other applicable governm	
Operator: XTO Energy, Inc.	OGRID #:	5380
l .	37410	
API Number: <u>30-045-06416</u>	OCD Permit Number:	
	ownship <u>27N</u> Range <u>08W</u> County:	
I .	Longitude107.718570	NAD: □1927 ⊠ 1983
Surface Owner:  Federal  State  Private Tr	ibal Trust or Indian Allotment	
☐ String-Reinforced	Maria   LLDPE   HDPE   PVC   Other    Volume:bbl Dim	
intent)  Drying Pad Above Ground Steel Tanks	□ Workover or Drilling (Applies to activities which req     Haul-off Bins □ Other □ HDPE □ PVC □ Other     □ Driver □ HDPE □ PVC □ Other	
4.   ✓ Below-grade tank: Subsection I of 19.15.17.11  Volume: 120 bbl Type of fluid:	NMAC : Produced Water	
Fank Construction material: Steel	,	
<u> </u>	/isible sidewalls, liner, 6-inch lift and automatic overflow	v shut-off igh-level shut off, no liner
Visible sidewalls and liner  Visible sidewalls	only 🛛 Other _Visible_sidewalls, vaulted, automatic h	igh-level shut off, no liner
iner type: Thicknessmil _	HDPE PVC Other	022 1
300		
Alternative Method:		: 7/1
submittal of an exception request is required. Except	ions must be submitted to the Santa Fe Environmental Bu	ureau office for consideration of approval.
700 Form C-144	Oil Conservation Division	Page 1 of 5

30				•
) of	6.  Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)			
Dago	Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school,	hospi	ital,	
	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			
i	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			
- 1 - 1	9,			_
	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 Bureau consideration of approval.	office	for	
	Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.			
1	10. Siting Criteria (regarding permitting): 19.15.17.10 NMAC			
3	Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accep	otable	source	
	material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro- office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a	priate pprov	e districi al	t
4	Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry	ing p	ads or	
	above-grade tanks associated with a closed-loop system.  Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.		Yes 🛛	No
	- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells			
	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).		Yes 🛚	No
	- Topographic map; Visual inspection (certification) of the proposed site			
	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.		Yes 🛛	No
	(Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		NA	
	Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.		Yes 🔲	No
	<ul> <li>(Applies to permanent pits)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>		NA	
	Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock		Yes 🔯	No
	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			
	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance		Yes 🖂	No
	adopted pursuant to NMSA 1978, Section 3-27-3, as amended.		162 🖾	NO
	- Written confirmation or verification from the municipality; Written approval obtained from the municipality			
	Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site		Yes 🛚	No
	Within the area overlying a subsurface mine.		Yes 🛛	M
7	- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division		103 🔼	34 1
1.4	Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological		Yes 🗵	180
10.0	Society; Topographic map			2 10
000	Within a 100-year floodplain.		Yes 🗵	77/2022 10:165:34
21/2	Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division  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 5			
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	Form C-144 Oil Conservation Division Page 2 of 5			mag
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Instructions: Each of the	ncy Pits, and Below-grade Ta following items must be attack	nks Permit Application Att. ted to the application. Pleas	achment Checklist: e indicate, by a chec	Subsection B of 19.15.17.9 NMAC k mark in the box, that the documents are
☐ Hydrogeologic Data ☐ Siting Criteria Comp ☐ Design Plan - based ☐ Operating and Maint ☐ Closure Plan (Please	liance Demonstrations - based upon the appropriate requireme enance Plan - based upon the appropriate requirement of the second	ts) - based upon the requirem upon the appropriate requirer nts of 19.15.17.11 NMAC ppropriate requirements of 19	ents of Paragraph (2) nents of 19.15.17.10 0.15.17.12 NMAC	of Subsection B of 19,15,17,9 NMAC
and 19.15.17.13 NMAC	lesian (attach conv of design)	API Number	or 1	Permit Number:
12.	besign (attach copy of design)	Ar i Number.	01	- Citat Number.
Closed-loop Systems Perri Instructions: Each of the attached.  Geologic and Hydro	geologic Data (only for on-site	ed to the application. Please closure) - based upon the req	e indicate, by a checa	k mark in the box, that the documents are aph (3) of Subsection B of 19.15.17.9
☐ Design Plan - based☐ Operating and Main	upon the appropriate requireme tenance Plan - based upon the a	ents of 19.15.17.11 NMAC ppropriate requirements of 1	9.15.17.12 NMAC	quirements of 19.15.17.10 NMAC rements of Subsection C of 19.15.17.9 NMAC
Previously Approved I	Design (attach copy of design)	API Number:		
☐ Previously Approved (	perating and Maintenance Plan	API Number:	(	Applies only to closed-loop system that use
above ground steel tanks of	r haul-off bins and propose to i	mplement waste removal for	closure)	
Instructions: Each of the attached.  Hydrogeologic Report Siting Criteria Composition Certified Engineerin Dike Protection and Leak Detection Desirum Liner Specifications Quality Control/Quation Operating and Mainton Freeboard and Overt Nuisance or Hazardo Emergency Respons Oil Field Waste Stremonic Monitoring and Inspecification Control Plar Closure Plan - based  14.  Proposed Closure: 19.15.  Instructions: Please composition Method:  Alternative Proposed Closure Method:	int - based upon the requirement bliance Demonstrations - based ars Assessment go Design Plans - based upon the Structural Integrity Design - based upon the appropriate and Compatibility Assessment lity Assurance Construction and enance Plan - based upon the apping Prevention Plan - based upon the appropriate requirement upon the appropriate requirement upon the applicable boxes, Boxed waste Excavation and Rei Waste Excavation and Rei Waste Removal (Closed-In-place Buria	ts of Paragraph (1) of Subsection the appropriate requirements of sed upon the appropriate requirements of sed upon the appropriate requirements of 19.15.17.11 - based upon the appropriate d Installation Plan ppropriate requirements of 19 upon the appropriate requirement of 19 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of Subsection C of 19.1 upon the appropriate requirements of 19 upon the appropriate req	tion B of 19.15.17.9 ments of 19.15.17.10 f 19.15.17.11 NMAC uirements of 19.15.17 NMAC requirements of 19.1 g.15.17.12 NMAC ments of 19.15.17.13 f.17.19 NMAC and 19 fto the proposed close ent Pit Below-g. losed-loop systems)	NMAC 7.11 NMAC 5.17.11 NMAC 1 NMAC 9.15.17.13 NMAC  ure plan. rade Tank  Closed-loop System  Environmental Bureau for consideration)
Closure plan. Please indicated in Protocols and Proceed   ☐ Confirmation Sample ☐ Disposal Facility Nation   ☐ Soil Backfill and Cot ☐ Re-vegetation Plan -	moval Closure Plan Checklist ate, by a check mark in the box lures - based upon the appropri- ing Plan (if applicable) - based me and Permit Number (for liquer Design Specifications - based based upon the appropriate req in - based upon the appropriate	c, that the documents are atta ate requirements of 19.15.17. upon the appropriate requirer uids, drilling fluids and drill of ed upon the appropriate requi uirements of Subsection I of	nched.  13 NMAC ments of Subsection I cuttings) rements of Subsection 19.15.17.13 NMAC	on H of 19.15.17.13 NMAC
Form C-	144	Oil Conservation Divi	sion	Page 3 of 5
Y Comments				Rele

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🛂 Inst	ste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13 ructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if lities are required.	D NMAC) more than two
1.4	sposal Facility Name: Disposal Facility Permit Number:	
D	sposal Facility Name: Disposal Facility Permit Number:	
Wil	any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future se Yes (If yes, please provide the information below) \(\sum \) No	
Req	uired for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMA  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	AC
Inst pro- con	ng Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC ructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sou ided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate dis idered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just onstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	trict office or may b
Gro	and water is less than 50 feet below the bottom of the buried waste.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Gro	and water is between 50 and 100 feet below the bottom of the buried waste  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Gro	and water is more than 100 feet below the bottom of the buried waste.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Witt	tin 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa (measured from the ordinary high-water mark).  Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Witt	in 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Witi wate	tin 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock ring 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; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
With adop	tin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance ted pursuant to NMSA 1978, Section 3-27-3, as amended.  Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
With	in 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
-	in the area overlying a subsurface mine.  Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Witl	in an unstable area.  Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
With	in a 100-year floodplain. FEMA map	☐ Yes ☐ No
Received by OCD: 3/34/2022 10:01:45 AM	Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.	15.17.11 NMAC
1 by OCD: 3/5	Form C-144 Oil Conservation Division Page 4 o	of 5
Receivea		Pologo

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Operator Application Certification: I hereby certify that the information submitted with this application is	true, accurate and complete to	the best of my knowledge and belief.
Name (Print): Kim Champlin	Title:	Environmental Representative
Signature: Kini Champlin	Date:	11/17/08
e-mail address: kim_champlin@xtoenergy.com		(505) 333-3100
20.		
OCD Approval:   Permit Application (including closure plan)    □  □		* * * * * * * * * * * * * * * * * * * *
OCD Representative Signature: <u>Victoria Venegas</u>		Approval Date:
Title: Environmental Specialist	OCD Permit Nu	mber: BGT1
21. Closure Report (required within 60 days of closure completion): Instructions: Operators are required to obtain an approved closure of the closure report is required to be submitted to the division within a section of the form until an approved closure plan has been obtained.	plan prior to implementing an 60 days of the completion of th I and the closure activities hav	y closure activities and submitting the closure repo te closure activities. Please do not complete this
22.		mpietion Date:
Closure Method:  ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ If different from approved plan, please explain.	☐ Alternative Closure Metho	d  Waste Removal (Closed-loop systems only)
23. <u>Closure Report Regarding Waste Removal Closure For Closed-loc</u> Instructions: Please indentify the facility or facilities for where the l  two facilities were utilized.	op Systems That Utilize Abov liquids, drilling fluids and dril	e Ground Steel Tanks or Haul-off Bins Only: I cuttings were disposed. Use attachment if more th
Disposal Facility Name:	Disposal Facility	Permit Number:
	7.5	Permit Number:
Were the closed-loop system operations and associated activities perform Yes (If yes, please demonstrate compliance to the items below)	rmed on or in areas that will no No	ot be used for future service and operations?
Required for impacted areas which will not be used for future service of Site Reclamation (Photo Documentation)  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique	and operations:	
24.  Closure Report Attachment Checklist: Instructions: Each of the f mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-sit  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)  On-site Closure Location: Latitude		ed to the closure report. Please indicate, by a check
25.	Longitude	NAD:1927 1983
Operator Closure Certification:  I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure.	nis closure report is true, accura are requirements and conditions	
Name (Print):	Title:	s specified in the approved closure plan.
Signature:	Date:	
e-mail address:	Telephone: _	
Form C-144 Oil C	onservation Division	
Form C-144 Oil C		Page 5 of 5

Section A.

MARCH 5, 1958 Laure

EL PASO NATURAL GAS COMPANY

And No. 12-D (PM) that Letter B Section 790 From NORTH 6094 SAN JUAN

**FLORANCE** 

NM 03380

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El Pase Natural Gue Company

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Farmington, New Mexico

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Lodestar Servi	oo Ino	Pit Permit		Clie	
		Siting Criteri		Proje	
PO Box 4465, Duras	ngo, CO 81302			Revise	d: 27-Sep-08
V		Information Sh	iee'	t Prepared b	y: Trevor Ycas
API#:		30-045-06416		USPLS	S: 27N 08W 19 B
Name:	FLORANCE	D LS No. 012		1 . 4	
	· LOTATIVE	. D L3 NO. 012		Lat/Lon	g: 36.565140°, -107.718570°
Depth to groundwater:		50-100'		Geolog formation	
Distance to closest continuously flowing watercourse:		NW to 'San Juan Rive	r'	Site Elevation 1857m/6093	·-
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	3075' W to	o 'Blanco Canyon' mair channel	า		
				Soil Type	Postdon d / A - J P - A
Permanent residence, school, hospital, institution or church within 300'		NO		3011 1446	Rockland/ Aridisols
				Annua	Navajo Dam: 12.95", Governador: 11.98",
Domestic fresh water				Precipitation	Capulin Rgr Stn.: 14.98", Otis: 10.41"
				Precipitation	
well or spring within		NO		Notes	max precip: 4:13
500' Any other fresh water			1	Motes	(Bloomfield)
well or spring within					
1000'		NO			
1000	Či-				
Within incorporated municipal boundaries Within defined		NO		Attached Documents:	27N06W_IWaters.pdf, 27N07W_IWaters.pdf, 27N08W_IWaters.pdf, 28N07W_IWaters.pdf, 28N08W_Iwaters.pdf, 28N09W_Iwaters.pdf, 29N07W_IWaters.pdf, 29N08W_IWaters.pdf, 29N09W_IWaters.pdf
municipal fresh water well field		NO	Æ	FM3500640750B-30- 045-06416.jpg	30-045-06416_gEarth-PLS.jpg, 30-045-06416_topo PLS.jpg, 30-045-06416_gEarth-lWaters.jpg
	44			المثامات	
Wetland within 500'		NO		Mining Activity:	None Near
Within unstable area		NO		_	NM_NRD-MMD_MinesMillQuarries_30-045-06416.jpg
		N V N W			
Within 100 year flood plain	NO - F	EMA Zone 'X'			
Additional Notes:					
drains to Blanco Canyon					below Blanco Mesa, in 'Blanco Canyon'

### Florance D #12 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 Blanco Canyon region of the San Juan Basin immediately west of Blanco Mesa, and east of Huerfanito 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. 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).

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

### Site Specific Hydrogeology

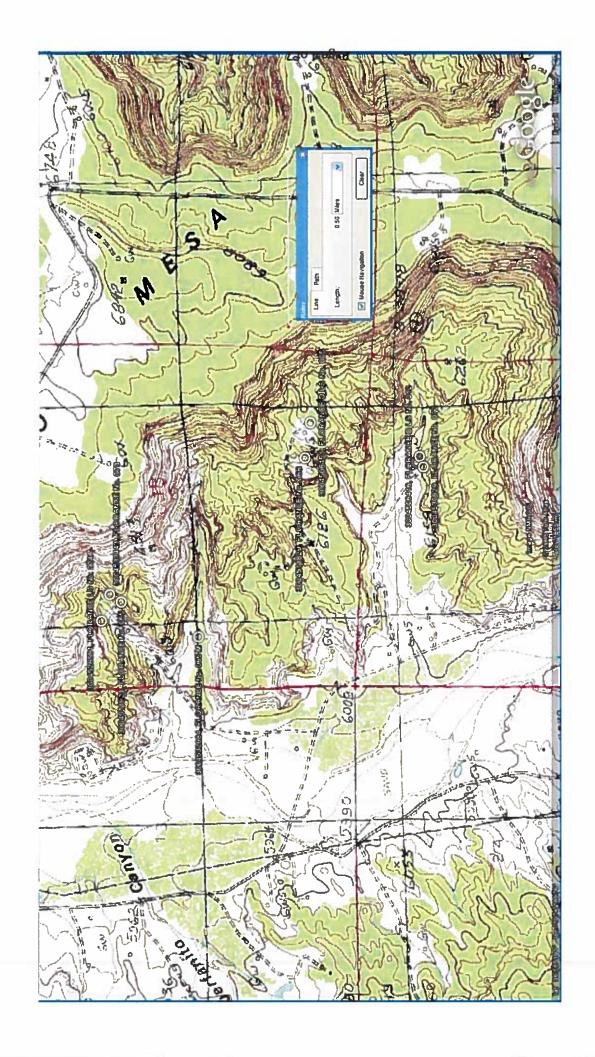
Depth to groundwater is estimated to be between 50 & 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity 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).

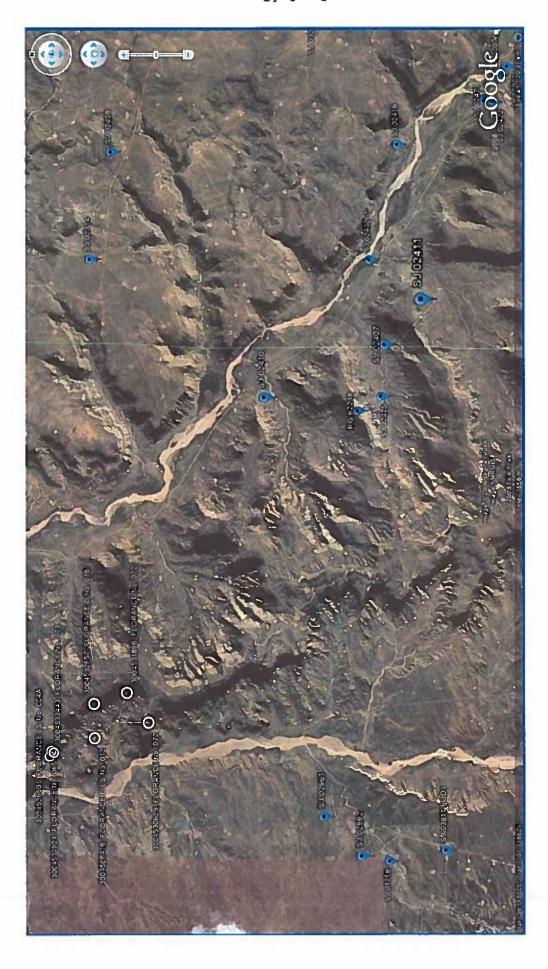
The site in question is located at the head of small Blanco Canyon tributary at an elevation of approximately 6100 feet and approximately 3100 feet southeast of Blanco Canyon. The site is located in gully or small canyon, and is probably directly underlain by alluvial sands. This region is deeply incised 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 almost 100 feet suggests groundwater is 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 3.3 miles south in Blanco Canyon (SJ02961). Other 'nearby' iWaters wells are located 5.6 miles north-northwest (SJ02800) and 5 miles south-east (SJ02410). Wells located at similar elevations along Largo Canyon contain groundwater at depths primarily greater than 100 feet, occasionally in excess of 500 feet. A map showing the location of wells in reference to the proposed pit location is attached.

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08W Sections:	Zone: Search Radius:	Number: Suffix:	(Last) ONon-Domestic ODomestic (A)	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Clear Form   iWATERS Menu   Help
Township: 27N Range: 08W	NAD27 X: Y:	County: Basin:	Owner Name: (First)	POD / Surface Data Report	Clear

## WATER COLUMN REPORT 08/04/2008

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Tws Rng Sec q q q Zone X Y Y	(quarters are 1 (quarters are b OD Number Tws Rng Se 3J 02410 27N 08W 36
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Township: 28N Range: 07W Sections:	NAD27 X:   Y:   Zone:   Search Radius:	Basin: Number: Suffix:	ne: (First)	POD / Surface Data Report Avg Depth to Water Report	Clear Form   iWATERS Menu   Help
Townshi	NAD27 X	County:	Owner Name: (First)	POD/S	

## WATER COLUMN REPORT 08/11/2008

		(q. POD Number SJ 00002 SJ 03116	uarters uarters Tws I 28N (	are are Zng S	1=N big 3ec	× 10 12 ~	T T T T T T T T T T T T T T T T T T T	uarters are 1=NW 2=NE 3=SW 4=SE)  uarters are biggest to smallest)  Tws Rng Sec q q q Zone  28N 07W 14 1  28N 07W 21 3 3 3	×	₩	Depth Well 375	Depth Water 20	Water Column	(in feet)	Œ.
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ניאכב נואנד בייבו	Township; Z7N Range; psw Sections;	NAD27 X: Y: Zone: Search Radius:	County: Basin: Suffix:	Owner Name: (First) (Last) Owner Domestic ODomestic • All	POD / Surface Data Report Any Depth, to Water Report Water Column Repart	Clear Form WATERS Monu Help		(quarters are leve feet asswer east) (quarters are biggest to smallest X are in Feet Source Tws Rng Sec q q q Zons X	
: arintim)	Towr	NAD27	County:	Owner Name: (Firs	2		POD / SURFACE DATA REPORT 08/12/2008		No Macounds found. new acasin

Township: 27N Range: 08W Sections:	NAD27 X: Zone: Zone: Search Radius:	County:   Basin:   Number:   Suffix:	Owner Name: (First)	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Clear Form   WATERS Menu   Help
		County:	Owner Na		

## WATER COLUMN REPORT 08/04/2008

	Depth Depth Water (in feet)	Y Well Water Column	2200
(quarters are $1=NW$ $2=NE$ $3=SW$ $4=SE$ )	(quarters are biggest to smallest)	Tws Rng Sec q q q Zone X	27N 08W 36 1 3 2
		POD Number	SJ 02410

NAD27 X: Zone: Zone: Search Radius:	County:   Basin:   Suffix:	Owner Name: (First) (Last) (Domestic Obomestic Obomestic Obomestic Obomestic Obomestic	POD / Surface Data Report	Clear Form   WATERS Menu   Help
	D27 X:   Y:   Zone:	NAD27 X: Search Radius  Basin: Number:	D27 X:	D27 X:

## WATER COLUMN REPORT 08/04/2008

	(quarters	are	1=1	1 2=k	E E	=SW 4=SE)						
	(quarters	are	bigg	lest	ţ	o smallest)				Depth	Water	(in feet)
POD Number	Tws	Rng	Sec o	<u>ب</u>		euo2	×	Ħ		Water	Column	
	27N	07W	35 4	ري ص	~					465	95	
	27N 07W 15 2	07W	15 2						1633	200	1133	
	27N	0.7W	17 3	ന						320	35	
	27N	0.7W	21 2	1 3	~~					300	100	
	27N	0.7W	35 3	4	_							
SJ 02404	27N	07W	35 4	m	~~					250	300	

			All		
	Search Radius	Number: Suffix:	O Non-Domestic O Domestic	er Report Water Column Report	Aeru Help
Township; 27N Range: 06W Sections:	Y: Zone	Basin:	(Last)	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Clear Form MATERS Menu
Township:	NAD27 X:	County:	Owner Name: (First)	POD/ Surf	

09/16/2008
REPORT
DATA
SURFACE
200

POD / SURFACE DATA REPORT 09/16/2008	(quarters are 1=kM 2=k2 2=k2)	(quarters are biggest to smallest X % are in Feet UTM are in Maters) Start	POD Number Source Tws Rng Sec q q q Zone X Y UTM Zone Easting	8J 00061 Shallow 27H 06H 32 3 3 3 11/01/1956	53 00062 Shallow 27H 06H 32 3 3 3 11/08/1956	8J 00213 Shallow 27N 06H 32 1 4 4 13 276897 4045750	5J 02291 13 281593 4048335	27N 06N 30 3 1 3	13 276165 4052831 06/28/2000
POD / SURFACE D		acre ft per annum)	Use Diversion Owner	0	0	17	E	2	3 CHARLES E
		_	DB File Nbr Use	8J 00061 DO			SJ 02291 ST		83 03001 DO

Depth Well 1 445 452 1308

505

	Search Radius:	Number: Suffix:	ONon-Domestic ODomestic OAll	POD / Surface Data Report Avg Depth to Water Report Water Column Report	nu Help
Sections:	Zone:		(t)	vg Depth to Water	WATERS Menu
26N Range: 09W	K:	Basin:	(Last)	ace Data Report	Clear Form
Township: 26N	NAD27 X: [	County:	Owner Name: (First)	POD / Sur	

## WATER COLUMN REPORT 08/08/2008

	(quarter	s are	9 1=1	<u>F</u>	2=NE	3=SW	4=SE)						
	(quarter	s are	P bic	390	st t	co sma	llest)		Depth	Depth	Water	: (in feat)	
POD Number	TWS	Rng	Sec	ט	ם ה	Zon	×	×	Well	Water	Column		
SJ 02961	26N	M60	01	7	2				1500				
SJ 02962	26N	M60	01	ന	2 3				1500				
SJ 01756	26N	M60	Ţ	2	2 3				75	40	35		
POD1	26N 09W 12 3 3 3	M60	12	m	m m				348	175	173		
	26N	M60	16	7	2				202	65	137		
SJ 00214	26N	M60	26	2	4 2				946	230	716		
SJ 00064	26N	M60	56	4	2 1				490	215	275		
SJ 00063	26N	M60	56	4	2				479	234	245		

## WATER COLUMN REPORT 08/07/2008

	(quarters	are	1 = 1	.¥	ENE	3=SW 4=SE)								
	(quarters	are	big	ges	t t	quarters are biggest to smallest)				Depth	Water	(in	feat)	
POD Number	Tws	Rng 6	300	ਰਾ	ט	Zone	×	≽ı	Well	Water	Column			
SJ 02405	26N	08W (	11	3.4	ᡢ					100	80			
SJ 02411	26N	08W (	)1	4 4	Ţ				0009					
SJ 02407	26N	08W (	11	다 다	٦				2200					

Township: 26N Range: 07W Sections:	NAD27 X:   Y:   Zone:   Search Radius:	Basin: Number: Suffix:	ame: (First) ONon-Domestic ODomestic OAII	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Clear Form   iWATERS Menu   Help
Tov	NAD27	County:	Owner Name: (F	8	

## WATER COLUMN REPORT 08/06/2008

	Depth Depth	X Y Well Water Column	400	36 18 18	26	22	180
(quarters are 1=NW 2=NE 3=SW 4=SE)	(quarters are biggest to smallest)	Tws Rng Sec q q q Zone	26N 07W 01 1 2 2	26N 07W 05 3 3 2	26N 07W 15 4 1 2	26N 07W 15 4 2 3	26N 07W 30 3 2 1
		POD Number	SJ 02409	SJ 02402	SJ 00071	SJ 00070	SJ 02406

NAD27 X: Zone: Zone: Search Radius:	Sounty: Suffix: Suffix:	Owner Name: (First) (Last) (Domestic Domestic Onestic All	POD / Surface Data Report   Avg Depth to Water Report   Water Column Report	Clear Form   iWATERS Menu   Help
	Y: Zone:	NAD27 X:   Y:   Zone:   Search Radius   Basin:   Number:	D27 X:	D27 X:         Y:         Zone:           Basin:         Nu           (First)         (Last)           POD / Surface Data Report         Avg Depth to Water Report

## WATER COLUMN REPORT 08/12/2008

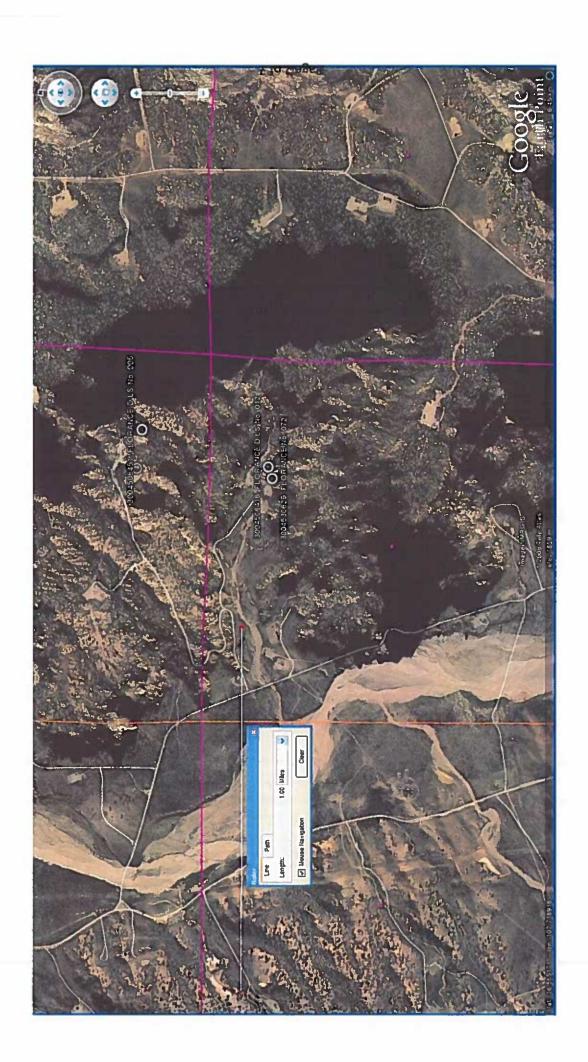
Water (in feet) Column Depth Water Depth Well × × (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Tws Rng Sec q q q Zone Tws Rng Sec q q q POD Number

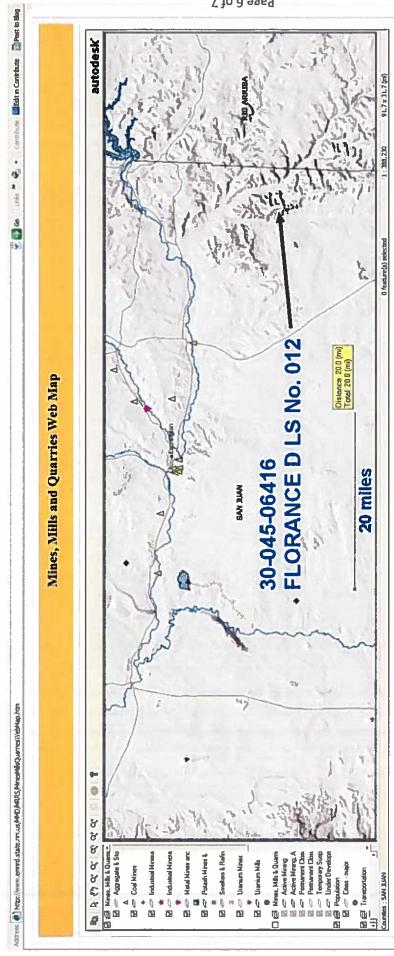
No Records found, try again

Township: 28N Range: 09W Sections:	NAD27 X:   Y:   Zone:   Search Radius:	Basin: Number: Suffix:	lame: (First) Clast (Last) Onestic One	POD / Surface Data Report Avg Depth to Water Report Water Column Report	Clear Form   iWATERS Menu   Hetp
TC	NAD	County:	Owner Name: (	-	

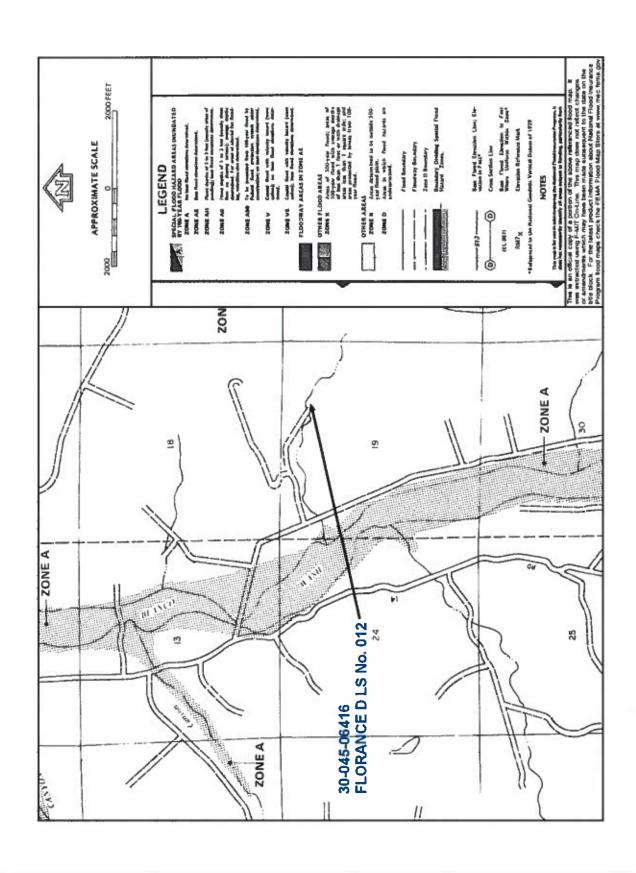
## WATER COLUMN REPORT 08/06/2008

	(quarter	s are	I = N	ĭZ.	HAE	3=SW 4=SE)						
	(quarter	s are	bid	ges	t	o smallest)		Depth	Depth	Water	(in feet)	
POD Number	Tws	Rng	Sec	ה ה	ט	Zone	×	Well	Water	Column		
SJ 03746 POD1	28N	M60	20	1 2	m	28N 09W 20 1 2 3		190	40	150		
SJ 00018	28N	M60	20	3 1	4			135	71	64		
SJ 02800	28N	M60	24	4 2	3			200				





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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.

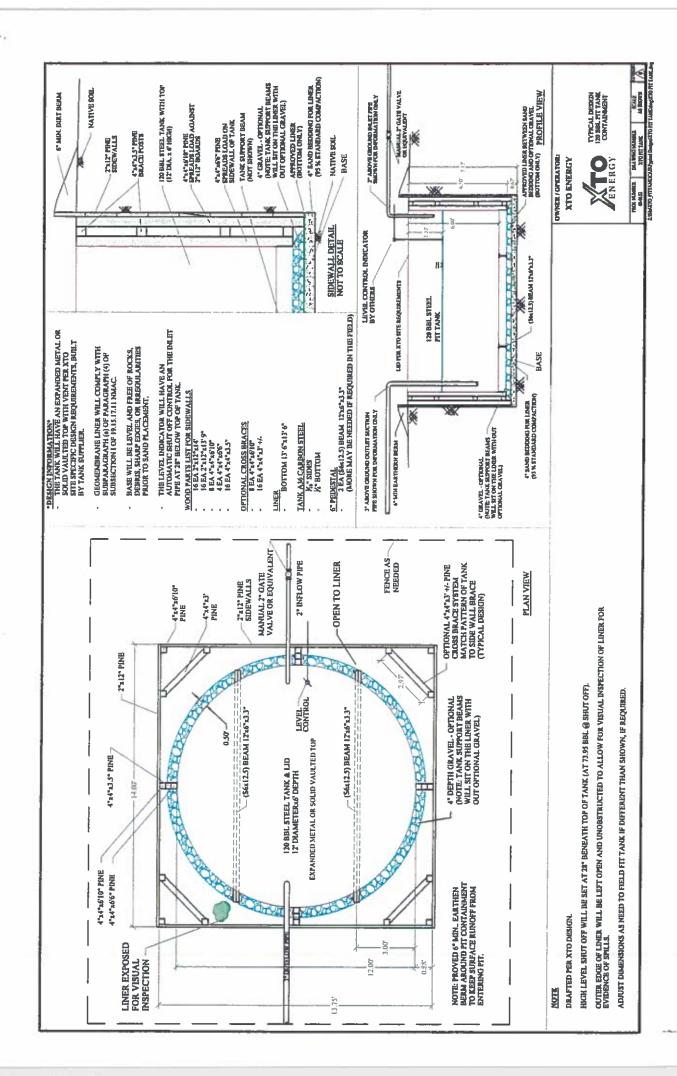
### General Plan

- 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 ¼ 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 \( \frac{1}{2} \)" 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 wails. 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

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 high-level shut-off control device and manual controls to prevent overflows. (See attached drawing).
- 10. XTO will demonstrate to the OCD that the geomembrane liner complies with the specifications of 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).
- 11. The general specifications for design and construction are attached.



### 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.
- 7. 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,

Received by OCD: 3/31/2022 10:01:45 AM

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.:			51
								·
Legals	Sec:		Township:		Range:			
XTO	Inspection	Inspection	Any visible liner	Any visible signs of	Collection of surface	Visible laver	Anv visible sions	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)
						5.7		
								:
Notes:	Provide Det	Provide Detailed Description:	rtion:		;			
	•							
Misc:	•							
	•							
(20)	•					:		
	-							

### 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.
- 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

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.
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not 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
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, and Range

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.
- 12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable 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 division-approved 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.

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

- 14. All closure activities will include proper documentation and be available for review upon request 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:
  - i. Proof of closure notice to division and surface owner;
  - ii. Details on capping and covering, where applicable;
  - iii. Inspection reports;
  - iv. Confirmation sampling analytical results;
  - v. Disposal facility name(s) and permit number(s);
  - vi. Soil backfilling and cover installation;
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable);
  - viii. Photo documentation of the site reclamation.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 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 94731

### **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	94731
	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	FLORANCE D LS 12
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	FLORANCE D LS 12
Well API, if associated with a well	30-045-06416
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	No
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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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, Page 2

Action 94731

QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 94731 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
Fig	
Netting	
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	T
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 g 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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1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Ea NIM 97505

QUESTIONS, Page 3

Action 94731

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	r Fe, NM 87505
QUESTI	IONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 94731 Action 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. Recommendations of acceptable source material are provided
Siting Criteria, General Siting	<del>-</del>
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 - (BGT)
Waste Excavation and Removal	Not answered.
Alternate Closure Method. Please specify (Variance Required)	Not answered.

11/17/2008

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 94731

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	94731
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### **ACKNOWLEDGMENTS**

~	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.
$\overline{v}$	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 94731

### **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	94731
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	7/7/2022