District 1 1625 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 Period 87505 12 P	Department V - Oil Conservation Division 1220 South St. Francis Dr	Form C-144 July 21, 2008 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.								
Pit, Cl	osed-Loop System, Below-Grade	<u>Fank, or</u>								
Proposed Alter	native Method Permit or Closure I	Plan Application								
Type of action: Existing BGT Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,										
below-grade tank, or propose	d alternative method									
Instructions: Please submit one application	on (Form C-144) per individual pit, closed-loop syst	em, below-grade tank or alternative request								
	relieve the operator of liability should operations result is its responsibility to comply with any other applicable go									
I. Operator: XTO Energy, Inc.	OGRID #:	5380								
Address: #382 County Road 3100, Aztec, N	M_87410									
Facility or well name: <u>Valencia Canyon Unit #</u>	43									
API Number:	OCD Permit Number:									
U/L or Qtr/Qtr <u>M</u> Section <u>27</u>	Township Range Co	ounty: <u>Rio Arriba</u>								
Center of Proposed Design: Latitude36.626010	Longitude <u>107.243370</u>	NAD: 🔲 1927 🖾 1983								
Surface Owner: 🛛 Federal 🗋 State 🛄 Private 🗌	Tribal Trust or Indian Allotment									
2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		ther								
Liner Seams: Welded Factory Other	Volume:bb	1 Dimensions: Lx Wx D								
intent) Drying Pad Above Ground Steel Tanks	ell Workover or Drilling (Applies to activities wh Haul-off Bins Other									
4. M Relow grade tank: Subjection L of 10 15 17	11 NMAC									
Below-grade tank: Subsection I of 19.15.17.	uid: <u>Produced Water</u>									
Tank Construction material: <u>Steel</u>										
	Visible sidewalls, liner, 6-inch lift and automatic or	verflow shut-off								
	Ils only Other <u>Visible sidewalls, vaulted, autor</u>									
	HDPE PVC Other									
s. Alternative Method:										

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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, hospital, 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

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)

Signs: Subsection C of 19.15.17.11 NMAC

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10.

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 Bureau office for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads 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. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	🕅 Yes 🗌 No
 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 🛛 No
 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 ⊠ No ☐ 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 ⊠ NA
 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 🛛 No
 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 🛛 No
 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. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🛛 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗋 Yes 🛛 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🛛 No

· · · · · · · · · · · · · · · · · · ·		
		Attachment Checklist: Subsection B of 19.15.17.9 NMAC sase indicate, by a check mark in the box, that the documents are
 Hydrogeologic Report (Below-grade Tanks) - based Hydrogeologic Data (Temporary and Emergency Pi Siting Criteria Compliance Demonstrations - based Design Plan - based upon the appropriate requireme 	ts) - based upon the requir upon the appropriate requi	ements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC rements of 19.15.17.10 NMAC
Operating and Maintenance Plan - based upon the ap	ppropriate requirements of	
Previously Approved Design (attach copy of design)	API Number:	or Permit Number:
12.		
<u>Closed-loop Systems Permit Application Attachment C</u> Instructions: Each of the following items must be attach attached.		f 19.15.17.9 NMAC ase indicate, by a check mark in the box, that the documents are
Geologic and Hydrogeologic Data (only for on-site Siting Criteria Compliance Demonstrations (only for	or on-site closure) - based	requirements of Paragraph (3) of Subsection B of 19.15.17.9 pon the appropriate requirements of 19.15.17.10 NMAC
 Design Plan - based upon the appropriate requirement Operating and Maintenance Plan - based upon the a 		
		on the appropriate requirements of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (attach copy of design)		
_ , , , , ,		(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to i	mplement waste removal f	br closure)
attached.	ed to the application. Ple	ase indicate, by a check mark in the box, that the documents are
 Hydrogeologic Report - based upon the requiremen Siting Criteria Compliance Demonstrations - based Climatological Factors Assessment 	upon the appropriate requ	irements of 19.15.17.10 NMAC
 Certified Engineering Design Plans - based upon th Dike Protection and Structural Integrity Design - based upon the appropriate 	ised upon the appropriate i	equirements of 19.15,17.11 NMAC
Liner Specifications and Compatibility Assessment	- based upon the appropri	
Quality Control/Quality Assurance Construction an Operating and Maintenance Plan - based upon the a	ppropriate requirements o	
 Freeboard and Overtopping Prevention Plan - based Nuisance or Hazardous Odors, including H₂S, Prevention 		irements of 19.15.17.11 NMAC
Emergency Response Plan		
 Oil Field Waste Stream Characterization Monitoring and Inspection Plan 		
 Erosion Control Plan Closure Plan - based upon the appropriate requirem 	ents of Subsection C of P	9 15 17 9 NMAC and 19 15 17 13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Box	es 14 through 18, in rega	ds to the proposed closure plan.
	itation 🗌 P&A 🗌 Perm	nanent Pit 🛛 Below-grade Tank 🗌 Closed-loop System
Proposed Closure Method: Waste Excavation and Re		
Waste Removal (Closed- On-site Closure Method (d closed-loop systems)
🔲 In-place Buria	l 🔲 On-site Trench Bu	ial
	od (Exceptions must be su	bmitted to the Santa Fe Environmental Bureau for consideration)
closure plan. Please indicate, by a check mark in the bo.	x, that the documents are	
 Protocols and Procedures - based upon the appropri Confirmation Sampling Plan (if applicable) - based 		
Disposal Facility Name and Permit Number (for liq	uids, drilling fluids and dr	ill cuttings)
 Soil Backfill and Cover Design Specifications - bas Re-vegetation Plan - based upon the appropriate rec 	uirements of Subsection I	of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate	requirements of Subsection	n G of 19.15.17.13 NMAC

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^{16.} Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, d. facilities are required.	teel Tanks or Haul-off Bins Only: (19.15.17.13. Ling fluids and drill cuttings. Use attachment if r	D NMAC) nore than two						
Disposal Facility Name:	Disposal Facility Permit Number:							
Disposal Facility Name:	Disposal Facility Permit Number:							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future service and operations Yes (If yes, please provide the information below) No								
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection I Site Reclamation Plan - based upon the appropriate requirements of Subsection	equirements of Subsection H of 19.15.17.13 NMA of 19.15.17.13 NMAC	c						
^{17.} <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the c provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	administrative approval from the appropriate dist Bureau office for consideration of approval. Justi	rict office or may be						
Ground 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 ☐ NA						
Ground 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						
 Ground 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 								
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sign lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ificant watercourse or lakebed, sinkhole, or playa	🗌 Yes 🗌 No						
Within 300 feet from a permanent residence, school, hospital, institution, or church i - Visual inspection (certification) of the proposed site; Aerial photo; Satellite		Yes No						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or sp - NM Office of the State Engineer - iWATERS database; Visual inspection (c	ring, in existence at the time of initial application.	Yes No						
 Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approva 		🗌 Yes 🗌 No						
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. - Written confirmation or verification or map from the NM EMNRD-Mining a	and Mineral Division	Yes No						
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map 	& Mineral Resources; USGS; NM Geological	🗌 Yes 🗋 No						
Within a 100-year floodplain. - FEMA map		Yes No						
 18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Siting Criteria Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate construction/Design Plan of Temporary Pit (for in-place burial of a drying pa Protocols and Procedures - based upon the appropriate requirements of 19.15. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sibposal Facility Name and Permit Number (for liquids, drilling fluids and dr Soil Cover Design - based upon the appropriate requirements of Subsection H Revegetation Plan - based upon the appropriate requirements of Subsection I 	irements of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC propriate requirements of 19.15.17.11 NMAC d) - based upon the appropriate requirements of 19. 17.13 NMAC irements of Subsection F of 19.15.17.13 NMAC ubsection F of 19.15.17.13 NMAC ill cuttings or in case on-site closure standards cannot of 19.15.17.13 NMAC	15.17.11 NMAC						

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

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0). Operator Application Certification:	
I hereby certify that the information submitted with this application	n is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Kim Champlin	Title: Environmental Representative
Signature: Kim Champlin	Date: 01/02/2009
	Telephone: (505) 333-3100
10	
20. OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Approval Date:
Title:	OCD Permit Number:
	re plan prior to implementing any closure activities and submitting the closure report. in 60 days of the completion of the closure activities. Please do not complete this
22.	
Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain.	Alternative Closure Method Waste Removal (Closed-loop systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-	-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
	he liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than
two facilities were utilized. Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	
Were the closed-loop system operations and associated activities pe	erformed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliance to the items below	
Required for impacted areas which will not be used for future service Site Reclamation (Photo Documentation)	ce and operations:
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
	ne following items must be attached to the closure report. Please indicate, by a check
mark in the box, that the documents are attached.	
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: Disposal Facility Name and Permit Number 	-site closure)
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
Site Reclamation (Photo Documentation)	Longitude NAD: 1927 1983
25.	
Operator Closure Certification:	
	h this closure report is true, accurate and complete to the best of my knowledge and osure requirements and conditions specified in the approved closure plan.
Name (Print):	
Signature:	
e-mail address:	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2068

SANTA FE, NEW MEXICO 87501

		All distances must be f	rom the cuter	r liquidartes of t	he Section.		
perator			Lease				Weil No.
AMOCO PRODUCT	TION COMPANY		VALE	ING LA CANYO	N UNIT		43
		Township	Range	e .	County		
M	27	28N		W	Rio	Arriba	· · · · · · · · · · · · · · · · · · ·
Actual Footage Locat	ion of Well:						
1030	the second se	outh line and	the second secon) feet	from the		itze
Ground Level Elev.	Producing Forme		Pool				Dedicated Acreager
7247	Mesaverd		Blan	co Mesavero	le		320 Acres
	n one lease is d	ed to the subject v ledicated to the we					plat below. ereof (both as to working
dated by con If answer is this form if No allowable	mmunitization, un No If ans "no;" list the ou necessary.) e will be assigned	itization, force-poo wer is "yes," type wners and tract des	ling. etc? of consolid criptions v ll interests	dation Unit	tually be	en consolidat ted (by comm	all owners been consoli- ed. (Use reverse side of nunitization, unitization, approved by the Commis-
			1				CERTIFICATION
	1 1 1 1 1 1 1 1 1 1					toined here	rtify that the information com- in is true and complete to the knowledge and belief.
	- +	+				B.E. F	ACKRELL
	1	· ·		l		Position	
	1			F		DISTRU	CT FNGINEER
	1			l i		Company	
	i I					Date	PRODUCTION COMPANY
	I Se	c.				APRIL	29, 1980
		27	·			shown on t notes of a under my s	ertify that the well location his plat was plotted from field ctual serveys made by me or upervision, and that the same d carrect to the best of my and belief.
1000		NM-14921					
1050'	<u></u> ه			• . I		Date Surveye	d
10301				• { { {		April 2 Registered 9 and/or Land	
					5	Certificate N	ARTYCYT
					FEFE	//	Pr Anexil
0 330 560 9	0 1820 1650 1980	2310 2640 20	00 1500	1000 80	0 00	3950	8 2:02 IR.

A		Pit Permit	Client:	XTO Energy				
Lodestar Servic	es, Inc.		Project:	tank permitting				
PO Bes 4465. Duran		Siting Criteria	Revised:	25-Nov-08				
V		Information Sheet	Prepared by:	Trevor Ycas				
API#:	n, avi, n indenni S	0-039-22442	USPLSS:	28N 04W 27 M				
Name:	VALENCIA	CANYON UNIT No. 043	Lat/Long:	36.626010°, -107.243370°				
	and a second constant and the second second and the second	an a	the shirt is the second of					
Depth to groundwater:		depth < 50'	Geologic formation:	San Jose Formation (Tsj), alluvium				
Distance to closest			and a set the set of t					
continuously flowing watercourse:		NW to 'San Juan River' Iavajo Reservoir	Site Elevation: 2210m/7251	groundwater depth estimation is based primarily on elevation of nearby springs				
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	1885' E t	o 'Valencia Canyon'						
Silikitole.	নাল নাগজ		Soil Type:	Rockland/ Aridisols				
Permanent residence, school, hospital, institution or church within 300'		NO						
and the second se	e garde m ete		Annual	Navajo Dam: 12.95", Governador: 11.98",				
	Annand har in the		Precipitation:	Capulin Rgr Stn.: 14.98", Otis: 10.41"				
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:	27N03W_iWaters.pdf, 27N04W_iWaters.pdf, 27N05W_iWaters.pdf, 28N03W_iWaters.pdf, 28N04W_iwaters.pdf, 28N05W_iwaters.pdf, 29N03W_iWaters.pdf, 29N04W_iWaters.pdf, 29N05W_iWaters.pdf				
Within defined municipal fresh water well field		NO	FM350049IND0_30- 039-22442.jpg	30-039-22442_gEarth-PLS.jpg, 30-039-22442_topo- PLS.jpg, 30-039-22442_gEarth-iWaters.jpg				
	and the second							
Wetland within 500'		NO	Mining Activity:	None Near				
	- 3 - 4 d	n de la companya de En la companya de la c		NM_NRD-MMD_MinesMillQuarries_30-039-22442.jpg				
Within unstable area	an dadana (NO						
Within 100 year flood plain	ų.	nmapped area						
			and a second	the set of				
Additional Notes:								
rains to 'Cereza Canyon' via 'Valencia Canyon'	SP03620(elev	rings SP03811(elev: 2182m), 2211m): both supply livestock Spring(SP03622) (elev.2234m) use unknown		located on 'Vigas Mesa', & W of 'Valenci Canyon'				

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Valencia Canyon Unit #43 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 Cereza Canyon region of the San Juan Basin near the upper reaches of Valencia Canyon and near Vigas & Chosa Mesas. 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 across the region of interest (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 north, toward the San Juan River. Little specific hydrogeologic data is available for the San Jose Formation system, but "numerous wells 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 exhibiting little to no 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.

Regional weather further prohibit active recharge. The climate is arid, averaging just over 12 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

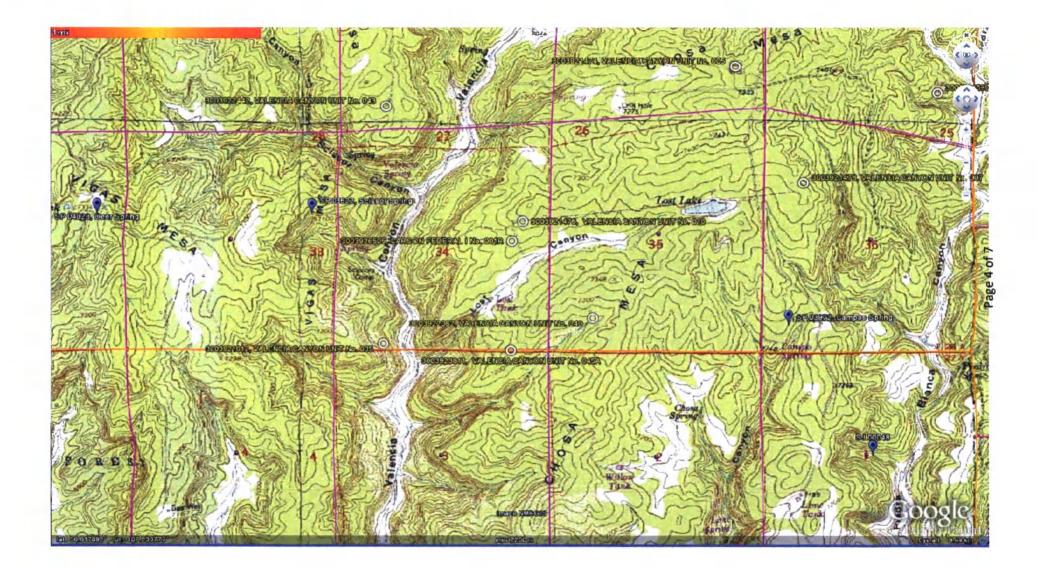
Depth to groundwater is estimated to be less than 50°. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography, proximity to adjacent channels & spring features at similar elevations nearby 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 relatively flat ground north of Lost Canyon and west of Lost Lake, above Valencia Canyon, on Chosa Mesa at an elevation of approximately 7320 feet and approximately 1.8 miles north of the main Cereza Canyon wash channel, the nearest significant watercourse. This site drains to Cereza Canyon via Valencia Canyon. This region is deeply incised by canyons, washes, gullies and arroyos, with large, flat-topped mesas the predominant topographic feature. The mesas are composed of cliff-forming sandstone, and systems of dry washes and their tributaries composed of alluvium are evident on the attached aerial image. Groundwater is expected to be shallow within Largo and Blanco Canyons and within major tributary systems. Additionally, the Valencia Canyon area has many surface springs at varying elevations, including at least 6 within 5 miles of this 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, Scissors Spring, lies ~5100' west (SP 03622); this spring is used for livestock watering, as are many others in the surrounding area. 'Deer Spring' is located ~1.9 miles NW of the site in question, at a higher elevation (SP 04028). Additionally, 'Chosa Spring' is located ~1.2 mi. SE of the site, on USGS topographic maps.

Wells located at similar elevations nearby contain groundwater at depths of 45 feet and deeper, occasionally in excess of 200 feet. However, there exist numerous surface springs in the PLSS section 28N, 04W. The exact topography(spring proximity, in a drainage), numerous springs, and elevation relative to nearby surface spring features (approx. 0'-50' higher) is not enough to be certain that groundwater is deeper than 50 feet. A map showing the location of wells in reference to the proposed pit location is attached.





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			Township: 28	IN Range: 05W	/ Se	ctions:									
			NAD27 X:	Y:		Zone: S	earch Radiu	15;							
			County:	Basin:		Number	:	Suffix:							
		Ow	mer Name: (First)	(Las	st)	0	Non-Domest	tic Oon	nestic	© All					
			POD / Surfac	e Data Report	Avg Dep	th to Water Report	Water Colu	mn Report						2	
				Clear Form	n iW/	ATERS Menu He	lp								
		POD / SURFACE DATA REPO	RT 10/11/2008												
						2=NE 3=SW 4=SE									
DB File Nbr	(acre ft per ann Use Diversion		POD Number			est to smallest		x in Feet	v		in Meters		Start	Finish	Depth
SD 07850	PDL 3	ROSA B. MARTINEZ	SD 07850	Source		Rng Sec q q q 05W 18 2 3 4	Zone	~		UTM_Zone 13	285663	4060122	Date	Date	Well 1
SD 07851	PDL 3	ROSA B. MARTINEZ	SD 07851		26N	05W 10 1 2 1				13	285228	4060731			
SD 07852	PDL 3	ROSA B. MARTINEZ	SD 07852		28N	05W 18 2 1 1				13	285579	4060759			
SJ 00036	IND 65	BURLINGTON RESOURCES OIL		Shallow		05W 28 3				13	288156	4056298	06/27/1953	06/27/1953	303
SJ 00047	NOT 0	MAMIE MANGUM	8J 00047	Shallow		05W 28				13	288558	4056700	07/30/1953	08/04/1953	465
SJ 01893	STK 3	ROSA B. OR JUAN L. MARTIN		Shallow	28N	05W 18 4				13	285827	4059576	09/14/1984		390

28N 05W 07 4 4 2

SJ 01893 SJ 03806 POD1

Record Count: 7

SJ 03806

STK

STK

3 ROSA B. MARTINEZ

10/11/2008 3:32 PM

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Township: 28N Range: 04W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Näme: (First) (Last) ONOn-Domestic ODomestic All
POD / Surface Data Report Avg Depth to Water Report Water Column Report

POD / SURFACE DATA REPORT 10/19/2008

(quarters are 1=NW 2=NE 3=SW 4=SE) (acre ft per annum) (quarters are biggest to smallest X Y are in Feet UTM are in Meters) Start Finish Depth DB File Mbr Use Diversion Owner POD Number Source Tws Rng Sec q q q Zone Well 1 X Y UTM Zone Easting Northing Date Date SJ 00045 SJ 02385 8J 00045 IND 0 U.S. GOVERNMENT 09/04/1952 09/10/1952 Shallow 28N 04W 07 295235 4061453 600 STK 3 CARSON NATIONAL FOREST SJ 02305 Shallow 28N 04W 26 1 1 1 13 300818 40570€4 160 SP 03618 STK 1.68 UNITED STATES OF AMERICA SP 03618 28N 04W 09 3 1 13 297832 4061209 SP 03619 STK 0.36 UNITED STATES OF AMERICA SP 03619 28N 04W 21 4 4 13 298924 4057416 SP 03620 STK 0.36 UNITED STATES OF AMERICA SP 03620 28N 04W 22 1 4 4058240 13 299736 SP 03621 SP 03622 STK 0.58 UNITED STATES OF AMERICA 28N 04W 29 2 2 BP 03621 13 297324 4057019 STK 0.36 UNITED STATES OF AMERICA SP 03622 28N 04W 33 2 4 13 298821 4054927 SP 03808 STK 1.67 CARSON NATIONAL FOREST SP 03808 20N 04W 17 3 1 13 296199 4059551 SP 03809 STK 1.67 CARSON NATIONAL FOREST SP 03809 20N 04W 17 4 4 13 297378 4059116 SP 03811 STK 1.67 CARSON NATIONAL FOREST SP 03811 28N 04W 14 1 1 13 300944 4060310 8P 03972 SP 03972 STK CARSON NATIONAL FOREST 28N 04W 36 3 3 0 13 302344 4053996 SP 04028 STK 0.85 CARSON NATIONAL FOREST BP 04028 28N 04W 32 2 4 13 297271 4054953

Record Count: 12

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Zone: Search Radius: Nümber: Suffix:
Nümber: Süffix:
○ Non-Domestic ○ Domestic ◎ All
rg Depth to Water Report Water Column Report
WATERS Menu Help

No Records found, try again

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Township: 27N Range: 05W Sections:
NAD27 X: Y: Zone: Search Radius:
County; Basin: Number: Suffix:
Owner Name: (First)
POD / Surface Data Report Avg Depth to Water Report Water Cotumn Report

POD / SURFACE DATA REPORT 09/16/2008

					(quarters are	1=NW	2=NE 3=SW 4=SE)									
		(acre	ft per ann	um)	(quarters are	bigg	est to smallest	X Y are	in Feet		UTM are	in Meters)	Start	Finish	Depth
DE	File Nbr	Use	Diversion	Owner POD Num	aber Source	Tws	Rng Sec q q q	Zone	x	Y	UTM Zone	Easting	Northing	Date	Date	Well 1
RG	81026	STK	3	BUREAU OF LAND MANAGEMENT RG 810	26 Shallow	27N	05W 27 4 4 3				13	290530	4046294	09/12/2003	09/16/2003	460
	00046	IND	16	BURLINGTON RESOURCES OIL & GAS SJ 000	046 Shallow	27N	05W.04 4 4				13	289133	4052788	01/13/1954	01/13/1954	506
SJ	00199	OFM	4	BURLINGTON RESOURCES OIL & GAS SJ 001	99 Artesian	27N	05W 03 2 1				13	290409	4053971		05/02/1967	1940

Record Count: 3

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Township: 27N Range: 04W Sections:	
NAD27 X: Y: Zone: Search Radius:	
County: Basin: Number: Suffix:	
Owner Name: (First)	
POD / Surface Data Report Avg Depth to Water Report Water Column Report	

POD / SURFACE DATA REPORT 09/16/2008

					(quarters ar	e 1=NW	2=NE 3=SW 4=SE)								
	(acre	o ft per ann	(mum)		(quarters ar	e bigg	est to smallest	X Y are in Feet		UTM are	in Meters)	Start	Finish	Depth
DB File Nbr	Use	Diversion	Owner	POD Number	Source	Twa	Rng Sec q q q	Zone X	Y	UTM Zone	Easting	Northing	Date	Date	Well 1
SJ 0004B	IND	4 8	BURLINGTON RESOURCES OIL & GAS	SJ 00048	Shallow	27N	04W 01			13	302928	4052997	07/28/1953	07/31/1953	143
SJ 01049	IND	30.55	BURLINGTON RESOURCES OIL & GAS	SJ 01049		.27N	04W 18 4 2 2			13	295646	4049831		06/30/1967	15
8J 01205	OIL	60	MERIDIAN OIL PRODUCTION, INC.	SJ 01205	Artesian	27N	04W 34 4 4 4			13	300255	4044335	10/18/1900	10/25/1980	3054
SP 03616	STK	0.58	UNITED STATES OF AMERICA	SP 03616		27N	04W 24 2 4			13	303452	4048375			
SP 03617	STK	0.50	UNITED STATES OF AMERICA	8P 03617		27N	04W 25 4 4			13	303396	4045974			
SP 03810	PLS	1.24	CARSON NATIONAL FOREST	SP 03810		27N	04W 30 1 2			13	294693	4047368			
8P 03971	STK	0	CARSON NATIONAL FOREST	SP 03971		27N	04W 12 2 3			13	303116	4051580			

Record Count: 7

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Township: 27N Range: 03W Sections:
NAD27 X: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) Own-Domestic Omestic All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form WATERS Menu Help

			iquarcers are	a Teum Teur Jeam dear)							
	(acre ft per annum)		(quarters are	biggest to smallest	X Y are	in Feet		UTM are in Meters)	Start	Finish	Depth
DB File Nbr U	Jse Diversion Owner	POD Number	Source	Tws Rng Sec q q q	Zone	x	Y	UTM_Zone Easting Northing	Date	Date	Wall 1

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No Records found, try again

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1	ownship: 29N	Range: 05W	Sections:		
NAI	027 X:	Y:	Zone:	Search	Radius:
County:	Ba	sin:		Number:	Suffix:
Owner Name:	(First)	(Last)	O Non-Do	omestic ODomestic OA
	POD / Surface D	ata Report Ave	g Depth to Water	Report Water	Column Report

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WATER COLUMN REPORT 08/12/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)

		(quarte	ars are	a bi	gg	est	to:	smallest)			Depth	Depth	Water	(in feet)
POD	Number	Twe	s Rng	Sec	q	P	q	Zone	х	Y	Well	Water	Column	
SJ (02339	291	V 05W	29	3	3	3				350	108	242	
SJ (00422	291	N 05W	31	2						239	135	104	
SJ (00056	291	V 05W	31	2	3	1				142	50	92	
SJ (00057	291	N 05W	31	2	3	1				158	57	101	
SJ (03208	291	V 05W	31	3	3	3				220	160	60	
SJ (02383	291	N 0.5W	32	1	1	1				300	100	200	

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Record Count: 6

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	POD Re	Office of the State Engineer ports and Downloads	
Townshi	p: 29N Range: 04W	Sections:	
NAD27 X	: Y:	Zone: Search Radius:	
County:	Basin:	Number: Suffix:	
Owner Name: (First)	(Last)	Non-Domestic ODomest	ic All
POD / S	surface Data Report Avg	Depth to Water Report Water Column Report	
	Clear Form	iWATERS Menu Help	

WATER COLUMN REPORT 08/12/2008

	 s are 1=NW 2=NE are biggest t				Depth	Depth	Water	(in feet)	
POD Number SJ 00037	Rng Sec q q q 04W 04 2	Zone	x	Y	Well 373	Water	Column		

Record Count: 1

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Township: 29	N Range: 03W	Sections:	
NAD27 X:	Y:	Zone:	Search Radius:
County:	Basin:		Number: Suffix:
Owner Name: (First)	(Last)		─ ○Non-Domestic ○Domestic ●All
POD / Surface	Data Report Avg De	epth to Water F	Report Water Column Report

WATER COLUMN REPORT 08/12/2008

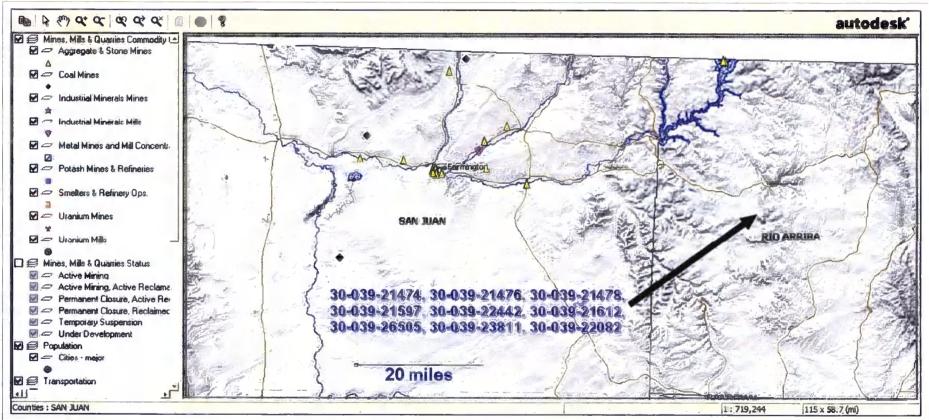
	(quarter (quarter							Depth	Depth	Water	(in feet)
POD Number SJ 01575		Rng 03W		 	Zone	x	Y	Well 306	Water	Column	
00 01373	2.211	0.54	00	 2				500			

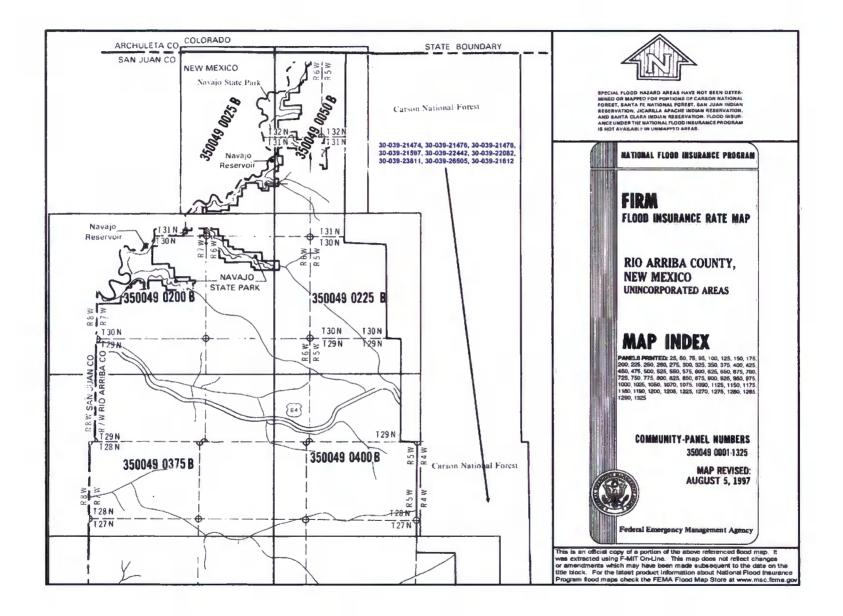
Record Count: 1

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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

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- 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 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 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.
- 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

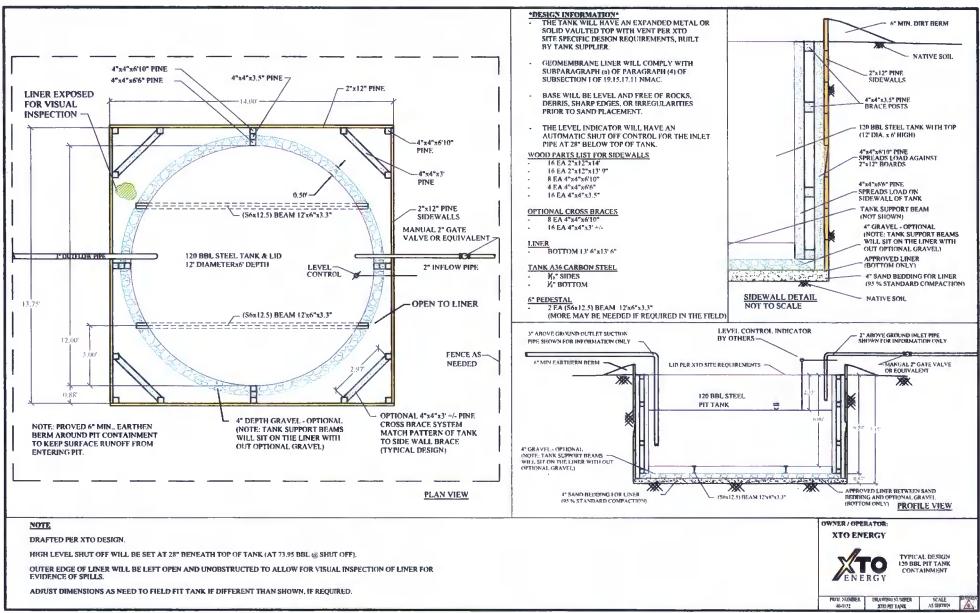
XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks Page 2

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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).

- 9. 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.



2: Sie XTO_PITTANK/CAD Typical Design: XTO PIT TANK dog XTO PIT TANK dog

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.
 - 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,

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

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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.

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Well Nan				API No.:				
Legals	Sec:		Township:		Range:			
XTO Inspector's	Inspection		Any visible liner	Any visible signs of	Collection of surface	Visible layer		Freeboa
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	l tailed Descri	ption:		·		I I	
Misc:								

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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

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- 1. 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.
- 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

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

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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.
- 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 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.

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

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- 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.