District I 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 Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. IV Santa Fe, NM 87505 DEC 8 PM	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, C	losed-Loop System, Below-Grade 7	Tank, or					
Proposed Alte	ernative Method Permit or Closure I	Plan Application					
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method 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 propo	sed alternative method						
Instructions: Please submit one application Please be advised that approval of this request does ne environment. Nor does approval relieve the operator	ution (Form C-144) per individual pit, closed-loop system ot relieve the operator of liability should operations result i of its responsibility to comply with any other applicable go	em, below-grade tank or alternative request in pollution of surface water, ground water or the overnmental authority's rules, regulations or ordinances.					
1. Operator: XTO Energy, Inc.	OGRID #:	5380					
Address: #382 County Road 3100, Aztec.	NM 87410						
Facility or well name: MARTINEZ G	AS COM F # 1F						
API Number: 30-045-33503	OCD Permit Number						
U/L or Otr/Otr N Section 24 T	ownship 29N Range 10W County	San Juan					
Center of Proposed Design: Latitude 36 7053	056 Longitude 107 8356011	NAD: 11927 X 1983					
Surface Owner: X Federal State Private	Tribal Trust or Indian Allotment						
Pit: Subsection F or G of 19.15.17.11 NM Temporary: Drilling Workover Permanent Emergency Cavitation Lined Unlined Liner type: Thickness String-Reinforced Liner Seams: Welded Factory Other	AC P&A mil [] LLDPE [] HDPE [] PVC [] Of Volume:bb	ther					
 3. Closed-loop System: Subsection H of 19.1 Type of Operation: P&A Drilling a new intent) Drying Pad Above Ground Steel Tanks Lined Unlined Liner type: Thickness_ Liner Seams: Welded Factory Other 	5.17.11 NMAC well Workover or Drilling (Applies to activities wh Haul-off Bins Other mil LLDPE HDPE PVC r	ich require prior approval of a permit or notice of					
Below-grade tank: Subsection I of 19.15.1 Volume: 120 bbl Type of Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls and liner Visible side Liner type: Thickness m	7.11 NMAC fluid: Produced Water Visible sidewalls, liner, 6-inch lift and automatic ov walls only OtherVisible sidewalls, vaulted, autor il HDPE PVC OtherUisible sidewalls, vaulted, autor	verflow shut-off natic high-level shut off, no liner					
5. Alternative Method: Submittal of an exception request is required. E	xceptions must be submitted to the Santa Fe Environme	ental 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

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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

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

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•	Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
	 Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
	 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
	Previously Approved Design (attach copy of design) API Number: or Permit Number:
	 12. <u>Closed-loop Systems Permit Application Attachment Checklist</u>: Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.</i> Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
	 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
	Previously Approved Design (attach copy of design) API Number:
	Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use)
	above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
	Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
	 Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment
	 Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
	Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
	 Quality Control/Quality Assurance Construction and instantion Fian Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
	 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan
	 Oil Field Waste Stream Characterization Monitoring and Inspection Plan
	 Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
[14. Proposed Closure: 10 15 17 13 NMAC
	Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
	Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System
	Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only)
	☐ In-place Burial ☐ On-site Trench Burial
	Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
	Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.
	 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 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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^{16.} Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19. Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attac	15.17.13.D NMAC) hment if more than two
facilities are required.	,
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 Yes (If yes, please provide the information below) No	future service and operations?
Required 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 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	.13 NMAC
^{17.} Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of accep provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approp considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of appro demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	table source material are oriate district office or may be val. Justifications and/or
 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 ☐ NA
 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 	□ Yes □ No □ NA
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	or playa 📋 Yes 🗌 No
Within 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	n. Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or swatering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial app - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	stock Ication.
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal order adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	inance 🗌 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 Geology Society; Topographic map 	gical 🗌 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 following items must be attached to the obstacle of the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC 	AC EAC Ents of 19.15.17.11 NMAC

Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 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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 <u>Operator Application Certification</u>: I hereby certify that the information submitted with this application is true 	, accurate and complete to the	he best of my knowledge and belief.
Name (Print): Kim Champlin	Title:	Environmental Representative
Signature: Kim Champlin	Date:	11.25.08
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
20.		
OCD Approval: Permit Application (including closure plan)	osure Plan (only) 🔲 OCD	Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Title: Bureen Chuf	OCD Permit Num	ber:
^{21.} Closure Report (required within 60 days of closure completion): Subs Instructions: Operators are required to obtain an approved closure plan The closure report is required to be submitted to the division within 60 da section of the form until an approved closure plan has been obtained and	ection K of 19.15.17.13 NM prior to implementing any tys of the completion of the the closure activities have	IAC closure activities and submitting the closure report. closure activities. Please do not complete this been completed. pletion Date:
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. <u>Closure Report Regarding Waste Removal Closure For Closed-loop Sy</u> <i>Instructions: Please indentify the facility or facilities for where the liquid</i> <i>two facilities were utilized.</i>	extems That Utilize Above State of the state	Ground Steel Tanks or Haul-off Bins Only: suttings were disposed. Use attachment if more than
Disposal Facility Name:	Disposal Facility P	ermit Number:
Disposal Facility Name:	Disposal Facility P	ermit Number:
Were the closed-loop system operations and associated activities performed Yes (If yes, please demonstrate compliance to the items below)	d on or in areas that will not No	be used for future service and operations?
Required for impacted areas which will not be used for future service and the service area and service area area and service area area area area area area area ar	operations:	
24. Closure Report Attachment Checklist: Instructions: Each of the follow 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-site closure) 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	wing items must be attached	to the closure report. Please indicate, by a check NAD: [1927] 1983
25. Operator Closure Certification:		
I hereby certify that the information and attachments submitted with this cl belief. I also certify that the closure complies with all applicable closure re	osure report is true, accurate equirements and conditions s	and complete to the best of my knowledge and specified in the approved closure plan.
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

DISTRICT I 1625 N. French Dr., Hobbe, N.M. 88240

*

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV 1220 South St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy, Minerale & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

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Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

'API	Number			² Pool Code			³ Pool Nam	•			
⁴ Property Co	de				*Property	Name			*1	Well Number	
					MARTINEZ G	AS COM F				1F	
7 OGRID No	•				*Operator Name *Elevatio XTO ENERGY INC. 5527						
					10 Surface						
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County CAN II IAN	
N	24	29-N	10-W		530	SOUTH	2734	WE	51	SAN JUAN	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	IT DIfferent Fro	Feet from the	East/Wee	it line	County	
26. 4		[0]	1.1.1		14.0	A- 1-	Martin M				
· Dedicated Acres			Joint or Infill		" Consolidation	Code	* Order No.				
NO ALLOW	ABLE W	OR A	ASSIGNED	TO THI	S COMPLET	ION UNTIL ALL BEEN APPROVE	INTERESTS H	AVE BE	EN CO	NSOLIDATED	
YTR. CORNER TD 3 1/4" BC 998 BLM				24 —			17 (I hareby carlify true and comp Signature Printed Nav Title Date	OPERAT y that the info lete to the be	OR CE	ERTIFICATIO ntolned herein is souledge and bellet	
2543.1' (M)	2734'		-	LAT: 3	36°42'19.1" 1	N. (NAD 27)	18 SL I hereby certi was plotted fr or under my correct to the JULY Date of the Signature of The Signature of	JRVEYOF by that the w am field note supervision, o best of my JAM	R CER I location of actual of actual had that the baller.	TIFICATION n shown on this pid is surveys mode by n te same is true and surveyor:	
TR. CORNER D 3 1/4" BC 999 BLM	2748.2	(C) N	89-59-49	LONG:	107*50'08.2	2" W. (NAD 27) I SEC. CO 3.2' (C) FD 3 1/4 1950	RNER * BC BLM	PROFES	BIONST.	1	

			Client:	XTO Energy
A Ladaetar Service	Inc	Pit Permit	Project:	Pit Permits
Louisatar Der Vice	C0 01202	Siting Criteria	Revised:	18-Nov-08
TV DOX 4400, Durango	,00 01302	Information Sheet	Prepared by:	Devin Hencmann
V		information oncer	Trepared by	
API#:		3004533503	USPLSS:	29N, 10W, 24N
Name:	MART	INEZ GAS COM F #1F	Lat/Long:	36.7053056/-107.835611
Depth to groundwater:		< 50'	Geologic formation:	Naciemento
Distance to closest continuously flowing watercourse:	334' N t	to the 'San Juan River'		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	3,030'	W to Munoz Canyon		
			Soil Type:	Entisols
Permanent residence,	1		-	
school, hospital,		No		
institution or church				
within 300'			Annual	
			Precipitation:	Bloomfield: 8.71" , Farmington: 8.21", Otis: 10.41"
Domestic fresh water well or spring within 500'		No	Precipitation Notes:	Historical daily max: Bloomfield (4.19")
Any other fresh water well or spring within 1000'		No		
Within incorporated municipal boundaries		No	Attached Documents:	i-Waters report pdf
Within defined municipal fresh water well field		No		Fopo map pdf, Aerial pdf, Mines and Quarries Map pdf,i-Waters Ground Water Data Map pdf, FEMA flood zone map pdf
Wetland within 500'		No	Mining Activity:	None
Within unstable area		No		
Within 100 year flood plain	Ye	s-FEMA Zone 'A'		
Additional Notes				
Additional Hotes,	2,418 i	' S to concrete lined rrigation canal		87' NW to small pond

MARTINEZ GAS COM F #1F Below Ground Tank Siting Criteria and Closure Plan

Well Site Location

Legals: T29N, R10W, Section 24N Latitude/Longitude: approximately 36.7053056, -107.835611 County: San Juan County, NM General Description: near the San Juan River

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 below ground tank location will be near Largo Canyon, southeast of Bloomfield and just south of the San Juan River. The Nacimiento Formation of Tertiary Age is exposed, along with Quaternary alluvial and aeoloian sands within dry washes and arroyos.

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 Nacimiento Formation lies at the surface. Thickness of the Nacimiento ranges from 418 to 2232 feet (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the nearby San Juan River and its tributaries.

The prominent soil type at the proposed site is entisols, which are defined as soils that do not show any profile development. Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the La Plata River (www.emnrd.state.nm.us). These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes soils that cover the area.

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

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

Site Specific Hydrogeology

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Depth to groundwater is estimated to be less than 50 feet. This estimation is based on data from Stone and others, 1983 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.

Local aquifers include sandstones within the Nacimiento Formation, which ranges from 0 to 1000 feet deep in this area, as well as shallow aquifers within Quaternary alluvial deposits (Stone et al., 1983). The 1000-foot depth range for Nacimiento aquifers covers an area over 20 miles wide, and depth decreases towards the margin of the San Juan Basin. The site in question is more centrally located, and depth to the aquifer is expected to be closer to 1000 feet. It is well known that groundwater close to the San Juan River can be shallow, as the Quaternary deposits near the river itself form shallow aquifers. The proposed site is situated 334 feet to the south of the San Juan River, and is approximately 3 feet higher in elevation (Google Earth).

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the location of wells in reference to the proposed pit location is also included. Pinpoints show locations of wells and the labels for each pinpoint indicate depth to groundwater in feet. Wells are clustered to the north of the proposed site along the San Juan River. Depth to groundwater within the nearby wells ranges from 6 feet to 186 feet below ground surface. The closest well to the proposed site is located approximately 3,688 feet to the southeast, and has a slightly higher topographic elevation than the proposed site (Google Earth). Depth to groundwater within the well is 12 feet below ground surface.

References





New Mexico Office of the State Engineer POD Reports and Downloads

WATER COLUMN REPORT 10/20/2008

	(quarter	s are 1=	NW 2=NB	3=SW 4=SE)					
	(quarter	are bi	iggest to	smallest)		Depth	Depth	Water	(in feet)
POD Number	Twa	Rng Sec	PPP	Zone	K Y	Well	Water	Column	
SJ 00867	29N	118 07	4			77	55	22	
SJ 01302	29N	11W 07	4 1			250	210	40	
SJ 01891	2 9 N	11W 07	413			157			
SJ 01851	29N	11W 10	4 4			125	48	77	
SJ 02466 S	29N	11W 11	4 3 3			65			
SJ 02466	29N	118 11	4 3 3			66			
SJ 02991	29N	11W 13	342			60			
SJ 03136	29N	11W 13	344			20			
SJ 00987	29N	11W 13	4			415	300	115	
SJ 01426	29N	11W 14	14			155	10	145	
SJ 00007	29N	111 14	223			752			
SJ 03550	29N	119 14	321			10			
SJ 01774	2 9 N	11W 14	342			82	6	76	
SJ 03360	2 9 N	111 14	342			40			
SJ 03175	2 9 N	11W 14	4 2 1			60	24	36	
SJ 03164	2 9 N	11W 14	4 2 1			75	56	19	
SJ 03733 POD1	29N	11W 15	4 2 1			64	20	44	
SJ 02378	29N	11W 15	4 3 2			75	12	63	
SJ 03579	2 9 N	11W 15	441			83	30	53	
SJ 02141	29N	11W 16	4 3 4			110	40	70	
SJ 02926	29N	11W 17	243			375	80	295	
SJ 03399	2 9 N	118 17	4 2			100			
SJ 00487	29N	118 17	4 4			60	6	54	
SJ 02868	29N	118 17	444			50			
SJ 01641	29N	11W 19	223			120	55	65	
SJ 02026	2 9 N	11W 19	31	44000	2077700	27	6	21	
SJ 02970	29N	11W 19	4 3 2			100	18	82	
SJ 01250	29N	11W 19	4 4			60	20	40	
SJ 02869	29N	11W 20	221			50			
SJ 00583	291	111 20	3 3 2			150	30	120	

SJ 01355	29N	11W	20	4	4	
SJ 00452	29N	11W	21			
SJ 01969	29N	111	21	2		
SJ 00701 CLW312190	29N	11W	21	2	2	
SJ 00701	29N	11W	21	2	2	1
SJ 03350	29N	11W	21	2	2	3
SJ 01090	29N	11W	21	2	4	
SJ 02863	2 9N	11W	21	2	4	1
SJ 03659	29N	11W	21	3	2	2
SJ 01888	29N	11W	21	4	2	2
SJ 02200	29N	11W	22			
SJ 01557	29N	11W	22	1	2	
SJ 00796	29N	11W	22	1	2	
SJ 00704	29N	11W	22	1	2	
SJ 01703	29N	111	22	1	2	
SJ 03747 POD1	29N	11W	22	1	2	3
SJ 02813	29N	11W	22	1	2	3
SJ 01214	29N	11W	22	1	3	
SJ 00484	29N	11W	22	1	3	1
SJ 00320	29N	11W	22	1	3	1
SJ 03532	29N	11W	22	1	3	3
SJ 00151	29N	11W	22	1	3	4
SJ 02721	29N	11W	22	1	4	
SJ 03503	29N	11W	22	2	3	3
SJ 02578	29N	11W	22	2	3	3
SJ 03093	29N	11W	22	2	3	4
SJ 03189	29N	11W	22	3	2	1
SJ 03188	29N	11W	22	3	2	2
SJ 02020	29N	11W	22	3	3	
SJ 02138	29N	11W	22	4	2	
SJ 02529	29N	11W	22	4	2	3
SJ 03479	29N	11W	22	4	2	3
SJ 03049	29N	11W	22	4	2	4
SJ 00696	29N	11W	22	4	3	
SJ 01974	29N	11W	22	4	3	3
SJ 03567	29N	11W	23	1	2	3
SJ 03557	29N	11W	23	1	3	1
SJ 03558	29N	11W	23	1	3	1
SJ 03559	29N	11W	23	1	3	4
SJ 00812	29N	11W	23	1	4	

36	3	33
42	10	32
65	55	10
70	14	56
73		
50		
31	12	19
52	20	32
45	10	35
47	8	39
60	22	38
70	11	59
50	8	42
55	20	35
68	3	65
47	27	20
59	16	43
49	12	37
37	10	27
38	10	28
49	14	35
45	18	27
	59	
72	18	54
58	24	34
42	22	20
45	20	25
45	11	34
27	6	21
40	7	33
30	9	21
43	4	39
33	10	23
34	12	22
47	11	36
50	22	28
50	15	35
50	15	35
45	15	30
44		

SJ 03546	29N	11W	23	1	4	2			50	15	35	
SJ 03591	29N	11W	23	1	4	4			55	20	35	
SJ 01870	29N	11W	23	2					SB	30	28	
SJ 03130	29N	11W	23	2	1	3			50	30	20	
SJ 03201	29N	11W	23	2	1	3			60	30	30	
SJ 03353	29N	11W	23	2	1	3			45	25	20	
SJ 01610	29N	11W	23	2	2				52	25	27	
SJ 01573	29N	11W	23	2	3				41	21	20	
SJ 03073	29N	11W	23	2	3	1			30			
SJ 03286	29N	11W	23	3	3	1			38	28	10	
SJ 02799	29N	11W	23	4	1	1			56	15	41	
SJ 03548	29N	111	23	4	1	1			50	15	35	
SJ 01962	2 9 N	11W	24	1	2	2			45	12	33	
SJ 03343	29N	11W	24	1	4	1			35	18	17	
SJ 00804	29N	11W	25	1	4				37	25	12	
SJ 01808 0-5	2 9N	11W	26	3	1	1			52	43	9	
SJ 02121	29N	11W	27	1	1				30	6	24	
SJ 02210	29N	11W	27	1	1				32	8	24	
SJ 03588	29N	11W	27	1	1	2						
SJ 02227	29N	11W	27	1	1	4			27	6	21	
SJ 00700	29N	11W	27	1	3	3			20	7	13	
SJ 01808 0-4	29N	11W	27	2	3	3			32	25	7	
SJ 01808 0-1	29N	11W	27	2	4	2			25	17	8	
SJ 01808 0-2	29N	11W	27	2	4	3			27	19	8	
SJ 01808 0-3	29N	11W	27	2	4	4			39	34	5	
SJ 02664	29N	111	27	3	2				40	26	14	
SJ 02664 S	29N	11W	27	3	2				38	23	15	
SJ 02664 S-2	29N	11W	27	3	2				34	19	15	
SJ 02664 S-3	29N	11W	27	3	2				41	30	11	
SJ 02664 S-9	29N	11W	27	3	2				33	19	14	
SJ 02664 S-4	2 9N	11W	27	3	2				42	30	12	
SJ 02664 S-10	29N	11W	27	3	2				33	19	14	
SJ 02664 S-5	29N	11W	27	3	2				41	30	11	
SJ 02664 S-6	29N	11W	27	3	2				40	28	12	
SJ 02664 S-7	2 9 N	11W	27	3	2				37	23	14	
SJ 02664 S-8	2 9 N	11W	27	3	2				35	25	10	
SJ 02148	2 9N	11W	27	4	2				305	186	119	
SJ 01808 0-6	29N	11W	27	4	2	1			50			
SJ 03762 POD1	29N	11W	28	1	1		267348	2075529	27	15	12	
SJ 03476	29N	11W	28	1	1	2			65			

SJ 03415	29N	11W 28	l	2	1			60	20	40
SJ 02559	29N	118 28	1	2	4			15	7	8
SJ 02330	29N	11W 28	2	1				128	115	13
SJ 03021	29N	11W 28	2	1	3			16	5	11
SJ 01606	29N	11W 28	2	2				35	8	27
SJ 03468	29N	11W 28	2	4		367704	2073506	50		
SJ 03469	29N	11W 28	2	4	3			50		
SJ 02713	29N	11W 28	3	1	1			26	12	14
SJ 02858	29N	11W 28	3	l	3			40		
SJ 02714	29N	11W 28	3	2				43	28	15
SJ 02708	29N	11W 28	3	2				26	12	14
SJ 03149	29N	11W 28	4	2	2			60	35	25
SJ 03475	291	11W 29	1	1	3			40	20	20
SJ 00292	29N	11W 29	2	1	4			24	9	15
SJ 01554	29N	11W 29	2	2				35	18	17
SJ 02038	29N	11W 29	4	1				14	4	10
SJ 03298	29N	11W 29	4	1	1			70	6	64
SJ 02023	29N	11W 29	4	2				24	7	17
SJ 02182	29N	11W 29	4	2				27	11	16
SJ 00822	29N	11W 29	4	3				34	15	19
SJ 03421	29N	11W 29	4	4	3			50	28	22
SJ 01391	29N	11W 30	2					40	25	15
SJ 03348	29N	11W 30	2	1	3			60		
SJ 01260	29N	11W 30	2	2				42	16	26
SJ 01264	29N	11W 30	2	2				27	12	15
SJ 01328	29N	11W 30	2	2				28	15	13
SJ 01821	29N	11W 30	2	4				70	6	64
SJ 00875	29N	11W 30	4	1				37	20	17
SJ 02922	29N	11W 31	3	2	2			75		
SJ 03795 POD1	29N	11W 31	3	2	4	266438	2067001	75	45	30
SJ 03541	29N	11W 31	3	4	1			80	40	40
SJ 00441	29N	11W 32	2	2						
SJ 00103	29N	11W 32	4	4	4			263		
SJ 00103 S	29N	11W 32	4	4	4			254		
SJ 03666	29N	11W 33	2	1	3			49	30	19







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.
- 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

> 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

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- 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

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.

MONTHLY BELOW GRADE TANK INSPECTION FORM								
Well Name:			API No.:					
Legals	Sec:		Township:		Range:			
XTO Inspector's	Inspection	Inspection	Any visible liner	Any visible signs of	Collection of surface	Visible layer	Any visible signs	Freeboard
Name	Date	Time	tears (Y/N)	tank overflows (Y/N)	run on (Y/N)	of oil (Y/N)	of a tank leak (Y/N)	Est. (ft)
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Notes:	Brovide De	tailed Descr	intion:					
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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

- 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

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.