District I 1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to

the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Proposed Alternative Method Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method 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 proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Pah #1
API Number: 30-045-20780 OCD Permit Number:
U/L or Qtr/Qtr L Section 03 Township 25N Range 11W County: San Juan
Center of Proposed Design: Latitude <u>36.42687</u> Longitude <u>107.99633</u> NAD: □1927 ☑ 1983
Surface Owner: X Federal X State T Private Tribal Trust or Indian Allotment
☐ Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: ☐ Drilling ☐ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Lined ☐ Unlined Liner type: Thickness
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 120 bbl Type of fluid: Produced Water Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only 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, 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	hospital,
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)	
8. 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 consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approaffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.
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

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
attached. ☐ 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. Closed-loop Systems 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 attached.
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)
above ground steel tanks of natively 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 Installation Plan 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 H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control 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
Proposed Closure: 19.15.17.13 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 Alternative
Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) 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. ☐ 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 ☐ 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 G of 19.15.17.13 NMAC

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.									
	Disposal Facility Permit Number:								
	Disposal Facility Permit Number:								
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not 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	requirements of Subsection H of 19.15.17.13 NMA(l of 19.15.17.13 NMAC	C							
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the comprovided 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	e 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 ☐ 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									
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 - 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 spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less water well o	oring, 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; Visua	1 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 Society; Topographic map	& Mineral Resources; USGS; NM Geological	☐ Yes ☐ No							
Within a 100-year floodplain FEMA map		☐ Yes ☐ No							
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 Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Protocols and Procedures - based upon the appropriate requirements of 19.15. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sisposal Facility Name and Permit Number (for liquids, drilling fluids and displant of Soil Cover Design - based upon the appropriate requirements of Subsection In Re-vegetation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamatio	direments of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC propriate requirements of 19.15.17.11 NMAC and) - based upon the appropriate requirements of 19. 17.13 NMAC direments of Subsection F of 19.15.17.13 NMAC Subsection F of 19.15.17.13 NMAC rill cuttings or in case on-site closure standards cann 1 of 19.15.17.13 NMAC 1 of 19.15.17.13 NMAC	15.17.11 NMAC							

19.							
Operator Application Certification:							
I hereby certify that the information submitted with this application is true, as	ccurate and complete to t	the best of my knowledge and belief.					
Name (Print): Kim Champlin	Title:	Environmental Representative					
Signature: Kim Champlin	D .	01/02/2000					
		01/02/2009					
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100					
20.							
OCD Approval: Permit Application (including closure plan) Closur	re Plan (only) OCD	Conditions (see attachment)					
OCD Representative Signature:		Approval Date:					
	0.00 0 1.11						
Title:	OCD Permit Num	ıber:					
Closure Report (required within 60 days of closure completion): Subsect Instructions: Operators are required to obtain an approved closure plan proud closure report is required to be submitted to the division within 60 days section of the form until an approved closure plan has been obtained and the	ior to implementing any of the completion of the	closure activities and submitting the closure report. closure activities. Please do not complete this					
section of the form and an approved closure plan has been bounded and in		pletion Date:					
22. Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alt ☐ If different from approved plan, please explain.	ernative Closure Method	H ☐ Waste Removal (Closed-loop systems only)					
23. Closure Report Regarding Waste Removal Closure For Closed-loop Syste Instructions: Please indentify the facility or facilities for where the liquids, two facilities were utilized.	ems That Utilize Above drilling fluids and drill	Ground Steel Tanks or Haul-off Bins Only: cuttings were disposed. Use attachment if more than					
Disposal Facility Name:	Disposal Facility F	Permit Number:					
Disposal Facility Name:	Disposal Facility F	Permit Number:					
Were the closed-loop system operations and associated activities performed o Yes (If yes, please demonstrate compliance to the items below)		t be used for future service and operations?					
Required for impacted areas which will not be used for future service and open	erations:						
☐ Site Reclamation (Photo Documentation) ☐ Soil Backfilling and Cover Installation							
Re-vegetation Application Rates and Seeding Technique							
24. Closure Report Attachment Checklist: Instructions: Each of the following 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		d to the closure report. Please indicate, by a check					
Re-vegetation Application Rates and Seeding Technique							
Site Reclamation (Photo Documentation)	naituda	NAD: 🔲 1927 🔲 1983					
	ngitude	NAD. [1727 [1703					
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.							
Name (Print):	Title:						
Signature:							
e-mail address:	Telephone:						

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

L 3 25 NORTH 11 WEST SAN JUAN Footigie Leadt on of Well: 1500 feet from the SOUTH SOUTH 990 teet from the Dedicated Average Pool Pool	TENNECO OIL CO	PANY		P	Н		Web No.	
Total search of Well 1507 feet from the SOUTH 1507 feet from the SOUTH 1507 feet from the SOUTH 1508 feet from the SOUTH 1508 feet from the South of Free Long Long feet feet feet feet feet feet feet fee	and the second second	Loweishin	י איסטייש	~		SAN JUAN	• • • •	
1500 is set from the SOUTH 15 to the Territorian Provided South Provided P	L 3	45) Nouth		JO1			
Associated by the complete state of the subject well by colored pencil or hachure marks on the plot below. It more than one lease is desiculted to the well, outline each and identity, the ownership thereof, thoth as to working rest and royally). If more than one lease of different ownership is desicated to the well, have the interests of all conners been consolidated communication, unstructure, force-cooling, etc? If aniwer is "not" list the owners and tract description, which have actually consolidated. (Use reverse side of this form essay), and the designed to the well until all interests have been consolidated. (By communication, unstruction, force-ling, or otherwise or until a non-standard unit, eliminating such interests, has been as proved by the Commission. CERTIFICATION I hereby certify that the information can have in true and complete to the life of the plant. ONLY 14-1911 Dist. 3 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the plant. ONLY 14-1911 I hereby certify that the well location shall be a possible of the	1500 feet from the				feet from th	E MEDI	A	
Duttine the acerage demander to the subject well by colored pencil or hackure marks on the plat below. If more than one lease is decirated to the well, outline each and identity the ownership thereof aboth as to working the than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidate or more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated. Yes in No. If answer is "yes" type of consolidation. If answer is "not" list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form assard). Clioweble will be assigned to the well until all interests have been consolidated. (by communitization, funditization, force) ling, or otherwise or until a non standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained in the plan. Consolidated of the plan. Consolidated of the view of the plan. I hereby certify that the veil location should be a plan. Consolidated of the plan. I hereby certify that the veil location should be a plan. Consolidated of the plan. Con		ng formitter	P	xei			Dedicated 7 to 7	Aur
If more than one lease is reacculed to the well, outline each and identity the ownership thereof (both as to working rest and royalty). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated communication, unitability forces origing etc? If yet I No If answer is "yes," type of consolidation. Diswer is "no," list the owners and tract descriptions which have actually nonsolidated. (Use reverse side of this form essary. Collowable will be assigned to the well until all interests have been consolidated. (By communitization, unitization, forces allowable will be assigned to the well until all interests have been consolidated. (By communitization, unitization, forces allowable will be assigned to the well until all interests have been approved by the Commission. CERTIFICATION I hereby certify that the information can herein is true and complete to the left of knowledge and belief. Name Contain I hereby certify that the information can herein is true and complete to the left of knowledge and belief. Name Contain I hereby certify that the well location should be survey; made by me or under my supervision that the same is true and correct to the best knowledge and ballef.	6321.0			rod pancil or	bachure mar	s on the nlot	heiow	
If more than are lease of different ownership is dedicated to the well, have the interests of all owners been consolidated communication, unitization force-poling, etc? I Yes I No. If answer is "yes," type of consolidation. Seesary, allowable will be assigned to the well until all interests have been consolidated. (Use reverse side of this form essary, allowable will be assigned to the well until all interests have been consolidated. (by communitization, unitization, forced ling, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information can herein is true and complete to the set a knowledge and belief. Name G. A. Beet Oil OIST. 3 I hereby certify that the vell location should determ a supervision that the same is true and complete to the set of knowledge and belief. Name Oil OIST. 3 I hereby certify that the vell location should determ a supervision that the same is true and correct to the best knowledge and belief. Position I hereby certify that the vell location should determ the same is true and correct to the best knowledge and belief.								
if yes a No. If answer is "yes," type of consolidation answer is "no." list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form essay). clioweble will be adsigned to the well until all interests have been consolidated (by communitization, unitization, force) thing, or otherwise or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information can here in its true and complete to the left of knowledge and belief. Name Position Sec. 3 I hereby certify that the well location this plat was plotted from field notes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief. Position Figurities forest only that the well location that he same is true and correct to the best knowledge and belief.	erest and royalty),							
If answer is "yes," type of consolidation answer is "no." list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form lessor). allowable will be assigned to the well until all interests have been consolidated. (By communitization, unitization, force) dring, or otherwise or until a non standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information can have in time and complete to the left of knowledge and belief. Name Position One Consultation I hereby certify that the well location she this plan was plotted from field actes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief.	If more than one lease communitization, unitizing	of different own	ership is dedica ling, etc?	ted to the w	ell, have the	interests of c	all owners been co	onsoliciated
answer is "no." list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form ressary. Indiovable will be assigned to the well until all interests have been consolidated. (by communitization, unifization, forced by the commission.) CERTIFICATION I hereby certify that the information can herein is true and complete to the left of knowledge and belief. Name Position Sec. 3 I hereby certify that the well focation she this plat was plotted from field actes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief.				esalidation .				
Sec. 3 Sec. 3 Name Position Position I hereby certify that the well location she this plat was platted from field antes of surveys made by me or until a new middle and series that the same is true and correct to the best knowledge and belief.								sia Farm
allowable will be assigned to the well until all interests have been consolidated. (by communitization, untitization, forced ling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information continues in true and complete to the best knowledge and belief. Name G. A. Reed Position I hereby certify that the well location she this plat was plotted from field antes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief. Position Sec. 3 I hereby certify that the well location she this plat was plotted from field antes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief.	answer 3" no." list the c	whers and tract	descriptions wi	nich have ac	tually consol:	dated 1056	reverse side of tr	115 101111
CERTIFICATION I hereby certify that the information conherein is true and complete to the left of knowledge and belief. Name G. A. Poed Position Sec. 3 I hereby certify that the information conherein is true and complete to the left of knowledge and belief. Name G. A. Poed Position Sec. 3 I hereby certify that the well location shothis plar was plotted from field notes of surveys mode by me or under my supervision that the same is true and correct to the best knowledge and belief. 22 1971 Sec. 3 Position Sec. 3 Position Sec. 3 I hereby certify that the well location shothis plar was plotted from field notes of surveys mode by me or under my supervision that the same is true and correct to the best knowledge and belief.	essary."							
Position Sec. 3 I hereby certify that the information conherein is true and complete to the best of knowledge and belief. Name G. A. Poed Position Sec. 3 I hereby certify that the well location shot this plot was plotted from field notes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief. 22 Sec. 3 Registrate Tolessand Eigeneer crystockaged surveys.	allowable will be assigned	ed to the well un	til all interests	have been c	onsolidated ()	by communit	ization, unitizatio	n, rorcei
I hereby certify that the information conherein is true and complete to the 1617 (knowledge and belief. Name G. A. Park Position Sec. 3 OIL DIST. 3 I hereby certify that the well location shithis plat was plotted from field notes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief. Position Sec. 3 I hereby certify that the well location shithis plat was plotted from field notes of surveys made by me or under my supervision that the same is true and correct to the best knowledge and belief.	lling, or otherwise) or un	itil a non standa	rd unit, elimina	ling such in	erestii, nas de	en al biosed	by the Commission	
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SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

1489. Certificate No

Client: **XTO Energy Pit Permit** Lodestar Services, Inc. Project: Pit Permits **Siting Criteria** Revised: 12/8/2008 Box 4465, Durango, CO 81302 Information Sheet Prepared by: **Daniel Newman** API#: 3004520780 **USPLSS:** T25N,R11W,03L Name: **PAH #1** Lat/Long: 36.42687 / -107.99633 Geologic >100' Depth to groundwater: formation: Nacimiento Formation Distance to closest 18.77 miles south of the San Juan continuously flowing River watercourse: Distance to closest significant watercourse, 4,794' south Gallegos Canyon lakebed, playa lake, or sinkhole: Soil Type: **Entisols & Aridisols** Permanent residence, school, hospital, No institution or church within 300' **Annual** 8.71 inches average Precipitation: **Domestic fresh water** Precipitation well or spring within No no significant precipatation events Notes: 500 Any other fresh water well or spring within No Within incorporated **Attached** No **Documents:** municipal boundaries Within defined Topo map, ground water data map, ariel municipal fresh water No photo, mines and quarries map, FEMA well field map **Mining Activity:** No No Wetland within 500' Within unstable area No

Zone X

Within 100 year flood

Additional Notes:

plain

PAH #1 Below Ground 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 northernmost Bisti region of the San Juan Basin within an area dominated by irrigated fields of the Navajo Indian Irrigation Project. The predominant geologic formation is the Nacimiento 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 Nacimiento Formation lies at the surface and grades into the Animas Formation to the west. 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 San Juan River.

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

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

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

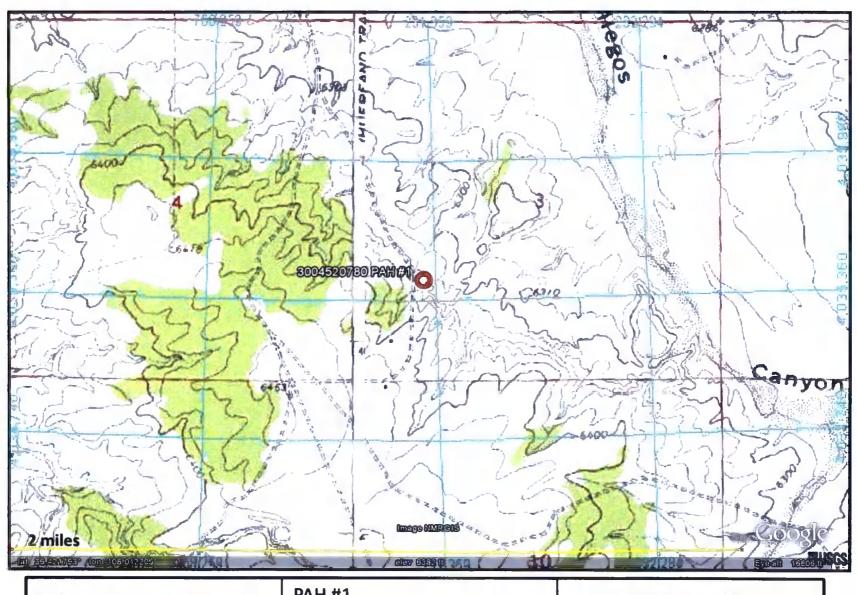
Site Specific Hydrogeology

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

Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depth s greater than 100 feet and thicknesses of the aquifer can be up to 3500 feet (USGS, Groundwater Atlas of the US).

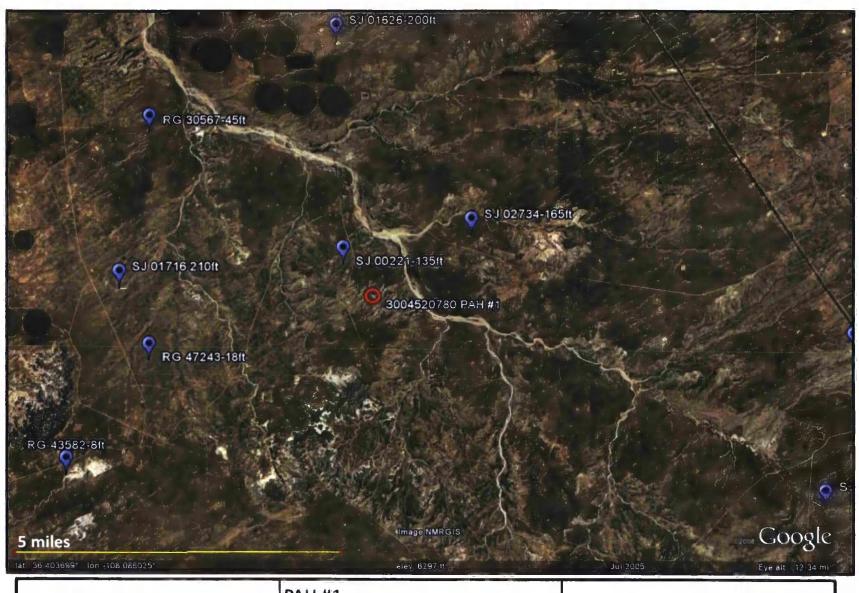
The site in question is located at an elevation of approximately 6,332 feet and approximately 4,794 feet south of Gallegos Canyon. Broad shalely hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident on the attached aerial image. Groundwater is expected to be shallow within Gallegos Canyon. The floor of the Gallegos Canyon is at an elevation of approximately 6,290 approximately 40 feet lower in elevation.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the locations of wells in reference to the proposed pit location is also attached. Water drops show locations of wells and the labels for each water drop indicate depth to groundwater in feet. The closest well to the site is an elevation of approximately of 6,317 feet and is located 955 feet to the north this well puts groundwater at 135 feet below the surface. The observations made within this report suggest that groundwater is greater than 100 feet at the proposed location.



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TOPOGRAPHIC MAP



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i-Waters Ground Water Data Map

AVERAGE DEPTH OF WATER REPORT 11/11/2008

								(Depth	Water in	Feet)
Bsn	Tws	Rng	Sec	Zone	x	Y	Wells	Min	Max	Avg
RG	25N	10W	11				1	€0	€0:	€0
SJ	25N	107	22				1	250	250	250

AVERAGE DEPTH OF WATER REPORT 11/11/2008

								(Depth	Water in	n Feet)
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
SJ	25N	117	04				1	135	135	135

AVERAGE DEPTH OF WATER REPORT 11/09/2008

								(Depth	Water in	Feet)
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
RG	25N	1297	11	C	684250	1972400	1	19	19	19
RG	25N	127	12				1	18	18	18
RG	25N	12W	22				1	8	8	8
RG	25N	1277	23				1	8	8	8
RG	25N	1297	27	C	678500	1958950	1	50	50	50
RG	25N	12W	31	C	689100	1949800	1	30	30	30
SJ	25N	12W	01				1	210	210	210

AVERAGE DEPTH OF WATER REPORT 11/10/2008

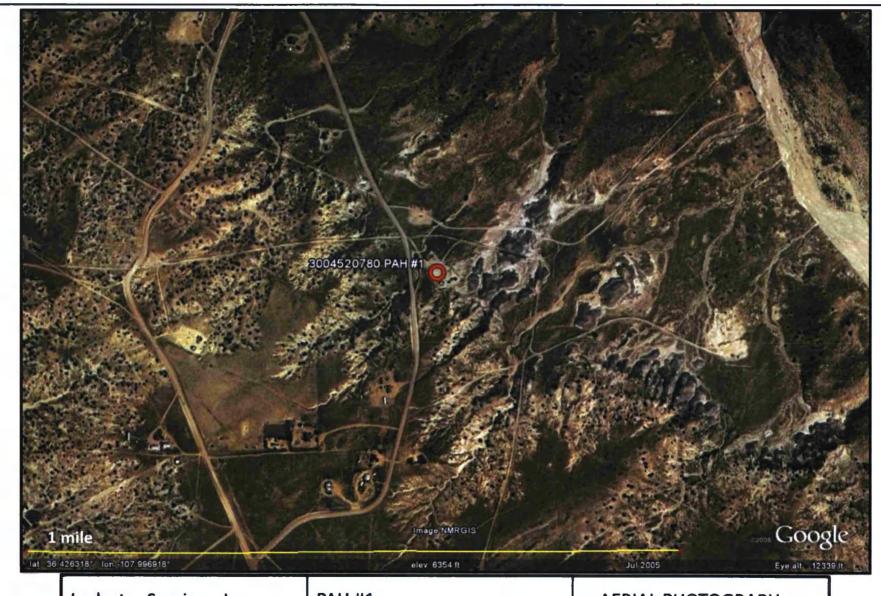
								(Depth	Water in	Feet)
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
SJ	26N	109	13				1	500	500	500
SJ	26N	10W	25				1	500	500	500

AVERAGE DEPTH OF WATER REPORT 11/04/2008

							(Depth	Water in	Feet)
Bsn	Tws	Rng Se	c Zone	X	Y	Wells	Min	Max	Avg
SJ	26N	11W 16	5			1	200	200	200
SJ	26N	1197 35	;			1	165	165	165

AVERAGE DEPTH OF WATER REPORT 11/04/2008

								(Depth	Water in	Feet)
Bsn	Tws	Rng	Sec	Zone	x	Y	Wells	Min	Max	Avg
RG	26N	12W	Ū.4				1	180	180	180
RG	26N	127	25				1	45	45	45
SJ	26N	12W	03				1	220	220	220

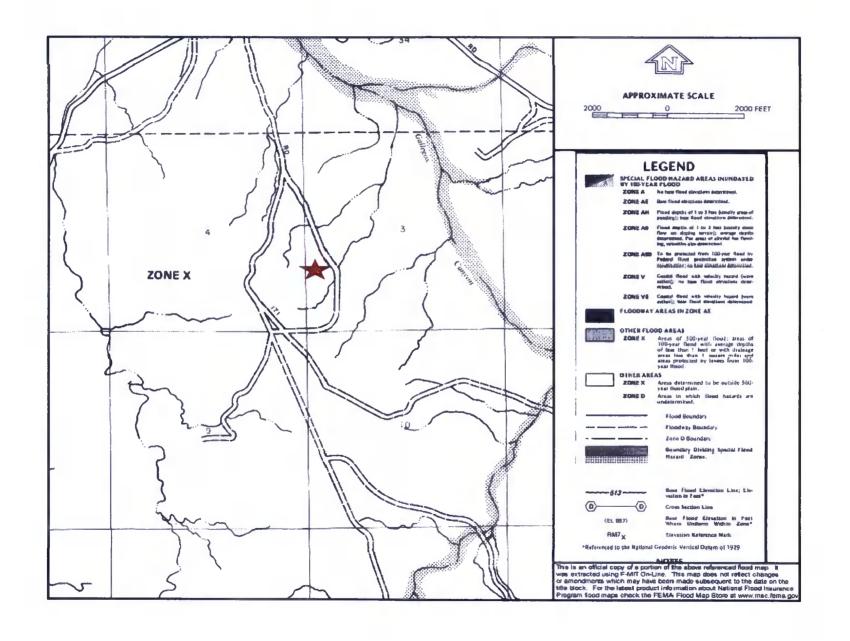


Lodestar Services, Inc PO Box 4465 Durango, CO 81302 PAH #1 T25N,R11W,O3L San Juan County , NM **AERIAL PHOTOGRAPH**



Lodestar Services, Inc PO Box 4465 Durango, CO 81302 PAH #1 T25N,R11W,03L San Juan County , NM

Mines and Quarries Map



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 $_{1}$ grade tank which does not conform to this plan.

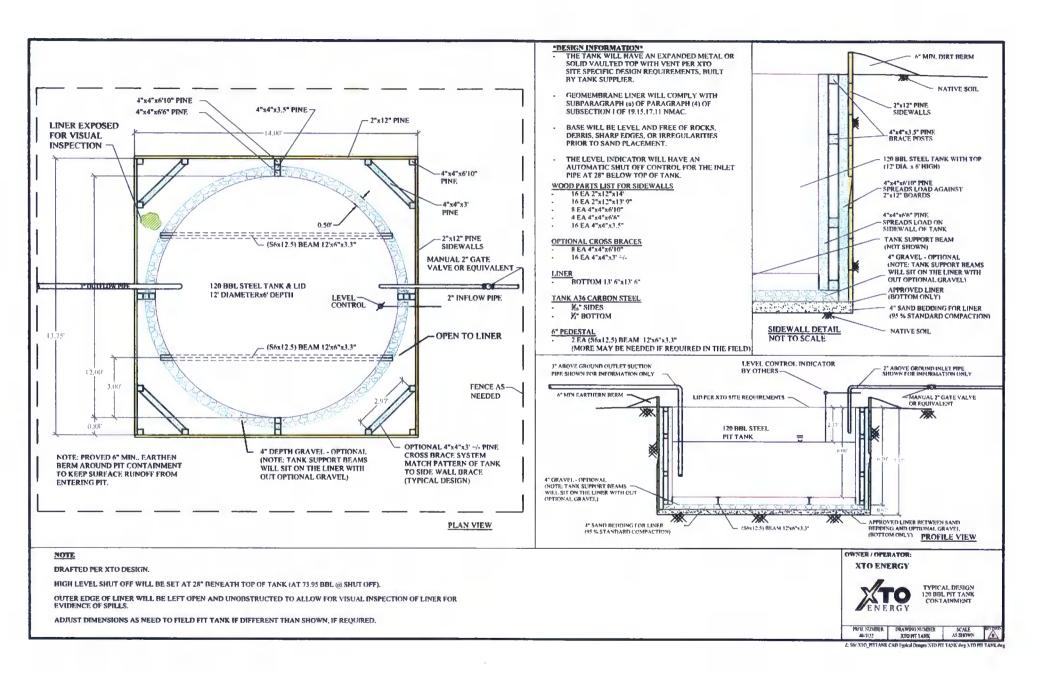
General Plan

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



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

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.:	-		
gals	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)
								-
-								
			-					
otes:	Provide De	etailed Descr	iption:					
sc:								

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

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

General Plan

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

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

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

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

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

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

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

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

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