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

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.

2009 JAN 20 PM 1 46

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

Existing BGT Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method	
BGT1 Modification to an existing permit	
Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop symbols tank, or proposed alternative method	stem,
ns: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative re	equest

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

Operator: XTO Energy, Inc.	OGRID #:	5380
	, NM 87410	
	H Gas Com #1	
API Number: 30-045-11670	OCD Permit Number:	
U/L or Qtr/Qtr K Section 01	Township 31N Range 14W Cou	nty: San Juan
	630 Longitude 108.263060	
Surface Owner:  Federal State Private		
2.  Pit: Subsection F or G of 19.15.17.11 NN	AAC	
Temporary: Drilling Workover	TAC	
Permanent Emergency Cavitation	7 0 6. 4	
	mil LLDPE HDPE PVC Oth	er
String-Reinforced		
Liner Seams:    Welded    Factory    Othe	volume:bbl	Dimensions: Lx Wx D
3.	15 17 11 NNAC	
Closed-loop System: Subsection H of 19.		
intent)	well Workover or Drilling (Applies to activities which	th require prior approval of a permit or notice of
☐ Drying Pad ☐ Above Ground Steel Tanks	s Haul-off Bins Other	
	mil LLDPE HDPE PVC	Other
Liner Seams: Welded Factory Otho		
4.		
Below-grade tank: Subsection I of 19.15.	17.11 NMAC	
	f fluid: Produced Water	
Volume: 120 bbl Type o	f fluid: Produced Water	MIT 49
Volume: 120 bbl Type of Tank Construction material: Steel		
Volume: 120 bbl Type of Tank Construction material: Steel  ☐ Secondary containment with leak detection	☐ Visible sidewalls, liner, 6-inch lift and automatic ove	erflow shut-off
Volume: 120 bbl Type of Tank Construction material: Steel  Secondary containment with leak detection  Visible sidewalls and liner Visible side	☐ Visible sidewalls, liner, 6-inch lift and automatic ove	rflow shut-off
Volume: 120 bbl Type of Tank Construction material: Steel  ☐ Secondary containment with leak detection ☐ Visible sidewalls and liner ☐ Visible side	☐ Visible sidewalls, liner, 6-inch lift and automatic ove	erflow shut-off atic high-level shut off, no liner
Volume: 120 bbl Type of Tank Construction material: Steel  Secondary containment with leak detection  Visible sidewalls and liner Visible side Liner type: Thickness	☐ Visible sidewalls, liner, 6-inch lift and automatic ove	erflow shut-off atic high-level shut off, no liner
Volume: 120 bbl Type of Tank Construction material: Steel  Secondary containment with leak detection Visible sidewalls and liner Visible side Liner type: Thickness	☐ Visible sidewalls, liner, 6-inch lift and automatic overwalls only ☑ Other <u>Visible sidewalls, vaulted, automanil</u> HDPE ☐ PVC ☐ Other	erflow shut-off atic high-level shut off, no liner
Volume: 120bbl Type of Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls and liner Visible side needs.  Liner type: Thickness needs.  Alternative Method:	☐ Visible sidewalls, liner, 6-inch lift and automatic ove	erflow shut-off atic high-level shut off, no liner
Volume: 120bbl Type of Tank Construction material:steel Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls are Visible sidewalls and liner Visible sidewalls are	☐ Visible sidewalls, liner, 6-inch lift and automatic overwalls only ☐ Other Other Other Other Other Exceptions must be submitted to the Santa Fe Environment.	arflow shut-off  atic high-level shut off, no liner  tal Bureau office for consideration of approval.
Volume: 120 bbl Type of Tank Construction material: Steel  Secondary containment with leak detection Visible sidewalls and liner Visible side Liner type: Thickness	☐ Visible sidewalls, liner, 6-inch lift and automatic overwalls only ☑ Other <u>Visible sidewalls, vaulted, automanil</u> HDPE ☐ PVC ☐ Other	erflow shut-off atic high-level shut off, no liner

11. Temporary Pits, Emerge			
			klist: Subsection B of 19.15.17.9 NMAC n check mark in the box, that the documents are
<ul><li></li></ul>	(Temporary and Emergency Pits	pon the appropriate requirements of 19.15.	ph (2) of Subsection B of 19.15.17.9 NMAC
Operating and Main	tenance Plan - based upon the ap	propriate requirements of 19.15.17.12 NMA	AC requirements of Subsection C of 19.15.17.9 NMAC
☐ Previously Approved	Design (attach copy of design)	API Number:	or Permit Number:
12. Closed-loop Systems Per	mit Application Attachment C	hecklist: Subsection B of 19.15.17.9 NMA	AC.
			check mark in the box, that the documents are
Geologic and Hydre Siting Criteria Com Design Plan - based Operating and Mair	ipliance Demonstrations (only for d upon the appropriate requirementenance Plan - based upon the ap	on-site closure) - based upon the appropria this of 19.15.17.11 NMAC propriate requirements of 19.15.17.12 NM.	
☐ Previously Approved	Design (attach copy of design)	API Number:	no-degreem
			(Applies only to closed-loop system that use
above ground steel tanks of	or haul-off bins and propose to in	plement waste removal for closure)	
	Application Checklist: Subsective following items must be attached		check mark in the box, that the documents are
Climatological Fact Certified Engineerin Dike Protection and	tors Assessment ng Design Plans - based upon the I Structural Integrity Design - bas	appropriate requirements of 19.15.  appropriate requirements of 19.15.17.11 Noted upon the appropriate requirements of 19.	IMAC
Liner Specifications Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respon Oil Field Waste Str	s and Compatibility Assessment - ality Assurance Construction and atenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H <sub>2</sub> S, Preve- se Plan eam Characterization pection Plan	propriate requirements of 19.15.17.12 NM. upon the appropriate requirements of 19.15	of 19.15.17.11 NMAC AC 5.17.11 NMAC
Liner Specifications Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respon Oil Field Waste Stre Monitoring and Ins Erosion Control Pla Closure Plan - bases	s and Compatibility Assessment - ality Assurance Construction and atenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H <sub>2</sub> S, Preve- se Plan eam Characterization pection Plan an d upon the appropriate requireme	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 ntion Plan and the appropriate requirements of 19.15 ntion Plan are soft Subsection C of 19.15.17.9 NMAC and the subsection C of 19.15.17.	of 19.15.17.11 NMAC AC 5.17.11 NMAC and 19.15.17.13 NMAC
Liner Specifications Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respons Oil Field Waste Stro Monitoring and Insp Erosion Control Pla Closure Plan - based	s and Compatibility Assessment - ality Assurance Construction and attenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H <sub>2</sub> S, Prevention se Plan eam Characterization spection Plan and upon the appropriate requirement 5.17.13 NMAC splete the applicable boxes, Boxe	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 ntion Plan and the subsection C of 19.15.17.9 NMAC and the	of 19.15.17.11 NMAC  AC 5.17.11 NMAC  and 19.15.17.13 NMAC  d closure plan.
Liner Specifications Quality Control/Qu Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respons Oil Field Waste Stre Monitoring and Insp Erosion Control Pla Closure Plan - based  I4. Proposed Closure: 19,15 Instructions: Please control Alternative	s and Compatibility Assessment - ality Assurance Construction and attenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H2S, Prevent se Plan eam Characterization pection Plan and upon the appropriate requireme  5.17.13 NMAC plete the applicable boxes, Boxe orkover  Emergency  Cavit Waste Excavation and Rem Waste Removal (Closed-lo	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 ntion Plan are requirements of 19.15 ntion Plan	and 19.15.17.13 NMAC  d closure plan.  clow-grade Tank  Closed-loop System
Liner Specifications Quality Control/Qu Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respons Oil Field Waste Stre Monitoring and Insp Erosion Control Pla Closure Plan - based  I4. Proposed Closure: 19,15 Instructions: Please control Alternative	s and Compatibility Assessment - ality Assurance Construction and attenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H2S, Prevent se Plan eam Characterization pection Plan and upon the appropriate requireme  5.17.13 NMAC plete the applicable boxes, Boxes orkover  Emergency  Cavit Waste Excavation and Rem Waste Removal (Closed-Id On-site Closure Method (Closed-Id In-place Burial	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 ntion Plan  Interest of Subsection C of 19.15.17.9 NMAC and the subsection Plan Permanent Pit Beloval proposed action P&A Permanent Pit Beloval proposed	and 19.15.17.13 NMAC  d closure plan.  clow-grade Tank  Closed-loop System
Liner Specifications Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respon Oil Field Waste Strum Monitoring and Insy Erosion Control Pla Closure Plan - based  It.  Proposed Closure: 19.15  Instructions: Please comp Alternative Proposed Closure Method  Alternative Proposed Closure Method  Type: Drilling We Alternative Proposed Closure Method  Protocols and Proce Confirmation Samp Disposal Facility Na Soil Backfill and Co Re-vegetation Plan	s and Compatibility Assessment - ality Assurance Construction and attenance Plan - based upon the ap rtopping Prevention Plan - based lous Odors, including H2S, Prevention Plan eam Characterization pection Plan and upon the appropriate requirement and upon the appropriate requirement bill 13 NMAC plete the applicable boxes, Boxe prkover	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 ntion Plan  Ints of Subsection C of 19.15.17.9 NMAC and the subsection of 19.15 ntion Plan  Ints of Subsection C of 19.15.17.9 NMAC and the subsection P&A Permanent Pit Bellowal pop systems only) only for temporary pits and closed-loop systems of Don-site Trench Burial defeace to the San appropriate requirements of 19.15.17.19 NMAC and the subsection of 19.15.17.19 NMAC and	and 19.15.17.13 NMAC  d closure plan.  clow-grade Tank  Closed-loop System  tems)
Liner Specifications Quality Control/Qu Operating and Mair Freeboard and Over Nuisance or Hazard Emergency Respon Oil Field Waste Strum Monitoring and Insy Erosion Control Play Closure Plan - based  14.  Proposed Closure: 19.15 Instructions: Please comp Alternative Proposed Closure Method  Type: Drilling Web Alternative Proposed Closure Method  15.  Waste Excavation and R closure plan. Please indicates Protocols and Proces Confirmation Samp Disposal Facility Name Soil Backfill and Complex Re-vegetation Plan	s and Compatibility Assessment - ality Assurance Construction and attenance Plan - based upon the appropring Prevention Plan - based lous Odors, including H <sub>2</sub> S, Prevense Plan earn Characterization pection Plan and upon the appropriate requirement of the applicable boxes, Boxes or which was a proper considered the applicable boxes, Boxes or which appropriate Removal (Closed-Removal Closed-Removal Closure Method (Closed-Removal Closure Plan Checklist cate, by a check mark in the box edures - based upon the appropriate requirement of the appropriate requ	based upon the appropriate requirements of Installation Plan appropriate requirements of 19.15.17.12 NM, upon the appropriate requirements of 19.15 antion Plan  ants of Subsection C of 19.15.17.9 NMAC and the proposed station P&A Permanent Pit Bellowal pop systems only) and only for temporary pits and closed-loop systems only only for temporary pits and closed-loop systems only only for temporary pits and closed-loop systems of 19.15.17.13 NMAC and the documents are attached.  The requirements of 19.15.17.13 NMAC apon the appropriate requirements of Subsection I of 19.15.17.13 NI NI appropriate requirements of Subsection I of 19.15.17.13 NI statements of Subsection I of 19.15.17.13 NI st	and 19.15.17.13 NMAC  d closure plan.  clow-grade Tank Closed-loop System  tems)  that Fe Environmental Bureau for consideration)  the of the following items must be attached to the consideration H of 19.15.17.13 NMAC  psection H of 19.15.17.13 NMAC  MAC

Instructions: Please indentify the facility or facilities for the disposal of liquids, dril acilities are required.	ling fluids and drill cuttings. Use attachment if	more than two
·	sposal Facility Permit Number:	
	sposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur  Yes (If yes, please provide the information below)  No		
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 1 or Site Reclamation Plan - based upon the appropriate requirements of Subsection	f 19.15.17.13 NMAC	С
t.  Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC instructions: Each siting criteria requires a demonstration of compliance in the closurovided below. Requests regarding changes to certain siting criteria may require a considered an exception which must be submitted to the Santa Fe Environmental Bullemonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	dministrative approval from the appropriate dist ureau office for consideration of approval. Just	rict office or ma
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 of	otained from nearby wells	☐ Yes ☐ N
Fround 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 of	otained from nearby wells	Yes N
Fround water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data of	otained from nearby wells	☐ Yes ☐ N
Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other signifiake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	cant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ N
Vithin 300 feet from a permanent residence, school, hospital, institution, or church in  Visual inspection (certification) of the proposed site; Aerial photo; Satellite im		☐ Yes ☐ N
Vithin 500 horizontal feet of a private, domestic fresh water well or spring that less the vatering purposes, or within 1000 horizontal feet of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database; Visual inspection (cer	ng, in existence at the time of initial application.	☐ Yes ☐ N
Vithin incorporated municipal boundaries or within a defined municipal fresh water water water dopted pursuant to NMSA 1978, Section 3-27-3, as amended.  Written confirmation or verification from the municipality; Written approval or section of the municipality.	·	Yes N
Vithin 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual in	spection (certification) of the proposed site	☐ Yes ☐ N
Vithin the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining an	d Mineral Division	☐ Yes ☐ N
<ul> <li>Vithin an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Society; Topographic map</li> </ul>	Mineral Resources; USGS; NM Geological	Yes N
Vithin a 100-year floodplain FEMA map		☐ Yes ☐ N
n. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the fo	llowing items must be attached to the closure pl	an. Please indi
y a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Su Proof of Surface Owner Notice - based upon the appropriate requirements of Su Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) Protocols and Procedures - based upon the appropriate requirements of 19.15.17 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sul Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill Soil Cover Design - based upon the appropriate requirements of Subsection H o Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection	bsection F of 19.15.17.13 NMAC priate requirements of 19.15.17.11 NMAC - based upon the appropriate requirements of 19. 13 NMAC ments of Subsection F of 19.15.17.13 NMAC bsection F of 19.15.17.13 NMAC cuttings or in case on-site closure standards cann f 19.15.17.13 NMAC F 19.15.17.13 NMAC	
Form C-144 Oil Conservation Div	ision Page 4 o	f 5

lame (Print): Kim Champlin	Title: Env	ironmental_Representative
ignature: Kim Champein		
		2009
-mail address: kim_champlin@xtoenergy.com	Telephone:(50	5) 333-3100
DCD Approval: X Permit Application (including closur	re plan)	tions (see attachment)
OCD Representative Signature: Jaclyn Burdi		
Ittle: Environmental Specialist-A	OCD Permit Number: B	GT1
Closure Report (required within 60 days of closure com- instructions: Operators are required to obtain an approve the closure report is required to be submitted to the divisi ection of the form until an approved closure plan has bee	ed closure plan prior to implementing any closure ion within 60 days of the completion of the closure	e activities. Please do not complete this ompleted.
losure Method:  Waste Excavation and Removal On-Site Closure  If different from approved plan, please explain.	Method	/aste Removal (Closed-loop systems only
Ilosure Report Regarding Waste Removal Closure For instructions: Please indentify the facility or facilities for two facilities were utilized.	where the liquids, drilling fluids and drill cuttings	were disposed. Use attachment if more
Disposal Facility Name:		umber:
/ere the closed-loop system operations and associated acti	vities performed on or in areas that will not be used	
Yes (If yes, please demonstrate compliance to the ite		
equired for impacted areas which will not be used for futu    Site Reclamation (Photo Documentation)   Soil Backfilling and Cover Installation   Re-vegetation Application Rates and Seeding Technic		
Iosure Report Attachment Checklist: Instructions: Earl 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 application Waste Material Sampling Analytical Results (required Disposal Facility Name and Permit Number   Soil Backfilling and Cover Installation   Re-vegetation Application Rates and Seeding Technical Site Reclamation (Photo Documentation)	able) ed for on-site closure)	closure report. Please indicate, by a che
On-site Closure Location: Latitude	Longitude	NAD: □1927 □ 1983
perator Closure Certification: hereby certify that the information and attachments submichef. I also certify that the closure complies with all appli	cable closure requirements and conditions specifie	d in the approved closure plan.
	Title:	
ame (Print):	D-1-2	
ame (Print):ignature:	Date:	
ame (Print):	Telephone:	

## NEW REACO OIL CONSERVATION COMMISSION VEHILL EXCLATION AND ACREAGE DEDICATION PLAT

Porm C-100 Supersedes G-128 Effective 1-1-55

Released to Imaging: 8/12/

DIST. 3

WELL LUCATION AND ACREAGE DEDICATION PLAT Effective 1-1-35 All distances must be from the outer boundaries of the Section. Weil No. Operator Ute Mountain Tribal "H" Pan American Petroleum Corporation Ren;20 Unit Lutter Section Township L. West San Juan 31 North Actual Footoge Location of Wells 1650 South feet from the line feet from the line and 2170 Dedicated Assesses Ground Lyvel Elev: Producing Fermation 697 Ute Dome Paradox Report later Paradox 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes;" type of consolidation Communitization being prepared X Yes 100% Pan American owned If answer is "no," list the owners and treat descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION 302 I hereby certify that the information con-Pan American tained herein is true and complete to the best of milliowladge and ballal. Ute Mountain Tribe None I-22-IND-52 Eaton. Position Area Engineer PAN AMERICAN PETROLEUM CORP August 20, 1965 MED LAND SUMMER LAND S Samply Cortily that nion this plat wes platty \$2 Pan American mestal acideRauNGs mon Com a or my superfiction and river in raise Ute Mountain Tribe tine that correct to the being of my N ECHUM 20 604 14 18:21 August 2170 Date Surveyed Registered Prol and/or Land Surveyor AUG 2 4 1965 -9602ON. Certificate

Scale, 1" = 1000\*

Received by OCD: 5/20/2022 9:44:29 AM

A		Pit Permit	Client:	
Lodestar Service			Project:	9
PO Bez 4465, Durang		Siting Criteria	Revised:	
V		Information	Prepared by:	Trevor Ycas
API#:	30	0-045-11670	USPLSS:	31N 14W 1 K
Name:	UTE MOUNTAIN	I TRIBAL H GAS COM No. 001	Lat/Long:	36.928630°, -108.263060°
Depth to groundwater:	C	depth >100"	Geologic formation:	Cliff House Conditions (Vals)
Distance to closest continuously flowing watercourse:	4.1 miles	E to 'La Plata River'	site elevation: 1840m/6034	
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:		SW to 'Craig Arroyo' mittent stream)		
	221		Soil Type:	Entisol / Rockland/ alluvial valley fill
Permanent residence, school, hospital, institution or church within 300'		NO		
			Annual Precipitation:	Sinprock. 0.50 , Frantiana. 7.56 , Fairinington
Domestic fresh water well or spring within 500'		NO	Precipitation Notes:	Historical daily max. precip.: 2.9"
Any other fresh water well or spring within 1000'		NO		
			Attached	31N13W_IWaters.pdf, 31N14W_IWaters.pdf,
Within incorporated municipal boundaries		NO	Documents:	31N15W_Waters.pdf, 31N14W_Waters.pdf, 31N15W_IWaters.pdf, 32N13W_IWaters.pdf, 32N14W_iwaters.pdf, 32N15W_iwaters.pdf, 33N13W_IWaters.pdf, 33N14W_iWaters.pdf, 33N15W_IWaters.pdf
Within defined municipal fresh water well field		NO		30-045-11670_gEarth-iWaters.jpg, 30-045-11670_gEart PLS.jpg ,30-045-11670_topo-PLS.jpg
Wetland within 500'		NO	Mining Activity:	None Near
Within unstable area		NO	1314	NM_NRD-MMD_MinesMillQuarries_30-045-11670.jpg NM_NRD-MMD_UTE_COALBNDS_prox.jpg
Within 100 year flood plain	unmapped a	area: see note below	1,247,8	
Additional Notes:				
rains to 'La Plata River'				to the second case of foodbank
ains to La Flata niver				in 'Craig Arroyo', SW of 'Coalbank

Received by OCD: 5/20/2022 9:44:29 AM

## Ute Mountain Tribal H GC #1 Below Grade Tank Siting Criteria and Closure Plan

## 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 located in the northwest corner of the San Juan Basin, where the Hogback monocline ends. Thicker sequences common throughout the central basin begin to pinch out and older units of Cretaceous Age are exposed, specifically the Menefee Formation and Cliff House Sandstone (Brister and Hoffman, 2002). The resistant Cliff House sandstones form prominent cliff bands, while shales and smaller sandstones of the Menefee Formation are exposed at lower elevations. The stratigraphic section reflects deposition in a coastal plain environment and consists of gray, brownish and tank sandstone interbedded with dark, carbonaceous shales and coal beds. Also, deposits of Quaternary alluvial and aeolian sands occur prominently near the surface, 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). Within the Cliff House Sandstone, sandstone beds range in thickness from 20 to 245 feet near the edge of the San Juan Basin. In general, the water from Cretaceous aquifers is minimal (less than 5 gpm), and transmissivity values for the unit average about 2 ft²/d (Stone et al., 1983). Aquifer depths range from very shallow depths to over 150 feet below ground surface. Groundwater within these aquifers flows toward the nearby La Plata River, which is a tributary of the San Juan River.

The prominent soil type at the proposed site is rockland, which are basically little to no soils that do not show any profile development. Soils that are present are 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 the soils that cover the area and prohibits effective recharge to the underlying aquifers.

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

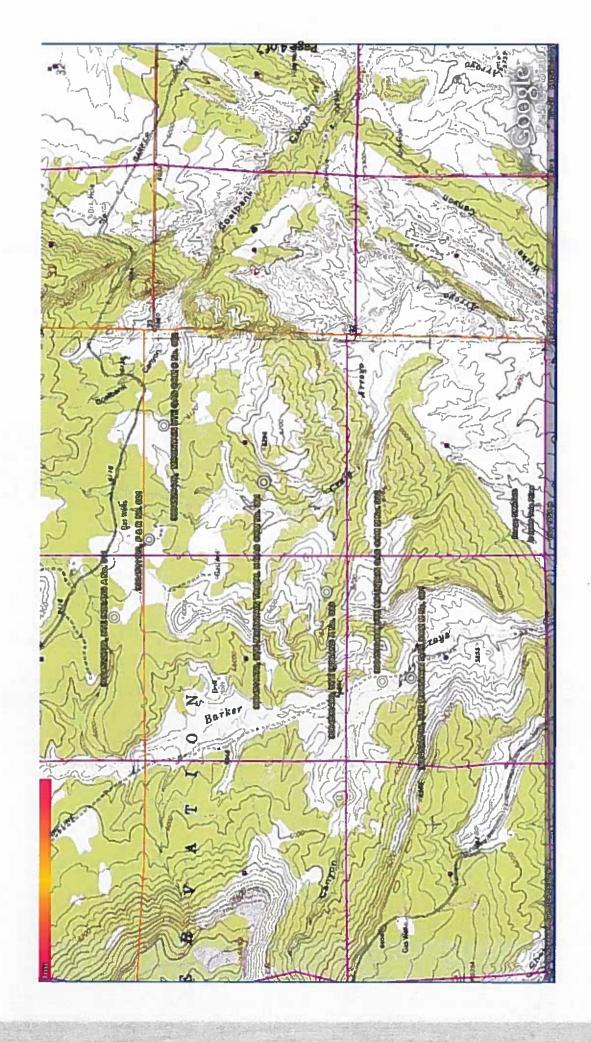
The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

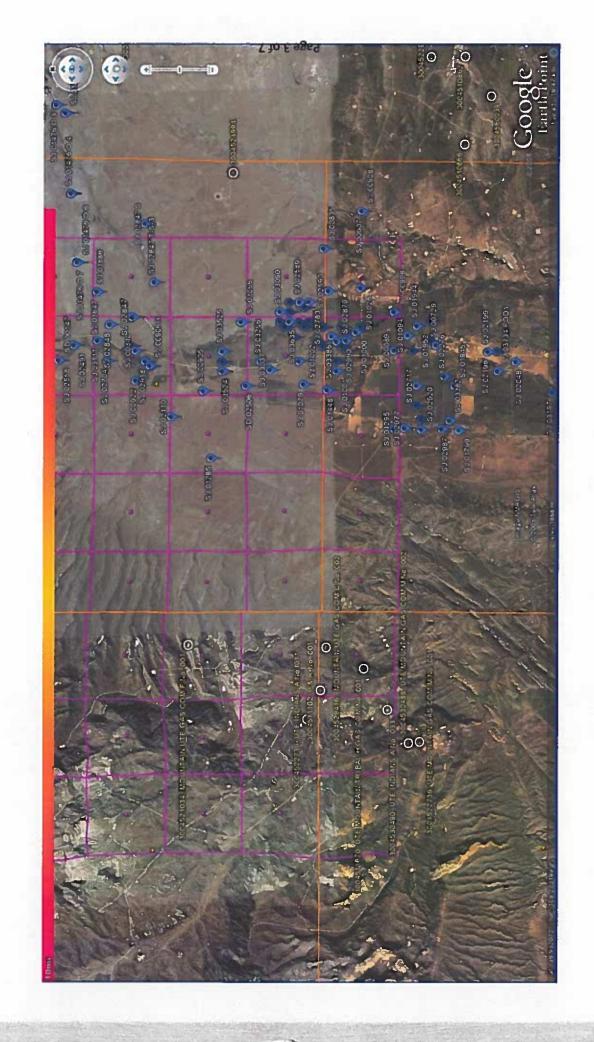
## Site Specific Hydrogeology

Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others, 1983 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 exist within the Cliff House Sandstone, which range from shallow depths to over 150 feet deep in this area (Stone et al., 1983). The site in question is located on a thin band of outcrop dissected by shallow arroyos and canyons. The outcrop is 250 feet high and the proposed site sites near the top surface. Nearby canyons include Barker Arroyo to the west. The floor of Barker Arroyo, where groundwater may be shallow, is almost 200 feet below the proposed site.

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 attached. Pinpoints show locations of wells and the labels for each pinpoint indicate depth to groundwater in feet. Wells are clustered near populated areas along the La Plata River east of the proposed site. These sites contain shallow groundwater, but topographic and hydrographic conditions are not representative of the site in question. Many data points exist east of the site and indicate groundwater at 10-180 feet in depth. These groundwater wells are located approximately 500 feet lower in elevation than the proposed site, suggesting groundwater is greater than 100 feet deep at the proposed location.





Township: 32N         Range: 14W         Sections: ]         Search Radius: ]           D27         X:
Township  NAD27 X:  County:  Owner Name: (First)  POD/Su

## WATER COLUMN REPORT 08/11/2008

(quarters are l=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number Tws Rng Sec q q q Zone X Y Well Water

Depth Depth Water (in feet) Well Water Column

No Records found, try again

			c ©All		
	dius:	Suffix:	ONon-Domestic ODomestic   OAll	umn Report	
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## WATER COLUMN REPORT 08/11/2008

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<b>7b</b> )	arters	are	big	ges	it t	0	(quarters are biggest to smallest)	Depth	Depth	Water (in feet)	(in	feet)	
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SJ 01187 CLW226675	32N	13W	10	3.4	4			24	0	15			
57 01187	32N	13W	10	3 4	4			24	6	15			
8J 01353	32N	13W	10	<b>A</b> .					38				
8J 01439	32N	13W	10	<b>₽</b>				45	25	20			
8.7 02068	32N	13W	15	2				45	16	29			
SJ 01549	32N	13W	15	2 1				47	28	19			
8J 02985		13W	15	2 1	2			47	25	22			
8J 02350		13W	15	2 3	7			26					
8.7 02865	32N	13W	15	2 3	7			44	29	15			
8.7 02558	32N	13W	15	3 2	4			41	23	18			
SJ 02934		13W	15	4 1	٦			34	18	16			
SJ 02890		13W	15	4 1	7			55	30	25			
8J 02705	32N	13W	22	7	2			25	12	13			
8J 02704		13W	22	7	7			25	12	13			
8.7 03111		13W	22	2 1	4			19	9	13			
SJ 02848		13W	22	2 4	m			809	50	558			
SJ 00922		13W	22	3 1	4			27	12	15			
SJ 00906 X		13W	22	3 4				98	26	09			
8.7 02918	32N	13W	22	3.4	7			51	30	21			
SJ 00736	32N	13W	22	4 1				40	15	25			
87 00339	32N	13W	22	4 1	П.			20	12	38			

8J 00340	32N	13W	22	4	$\vdash$	en en	50
8.5 02847	32N	13W	22	4	4		1255
8J 03123	32N	13W	27	מיז	4	e	30
SJ 03524	32N	13W	27	m	4	1	33
SJ 03525	32N	13W	27	7	m	1	71
SJ 01285	32N	13₩	28	ന	-	7	27
8J 03256	32N	13W	34	П	4	2	21
SJ 03037	32N	13%	34	-	4	3	100
SJ 03066	32N	13W	34	2	N	2	41
SJ 01079	32N	138	34	m	m		100
SJ 01943	32N	13W	34	4			00
SJ 02901	32N	13W	34	4	7	2	50
87 03635	32N	13W	34	マ	0	4	44
SJ 02577	32N	13W	34	Ą	4		30
SJ 03090	32N	13W	35	ന	$\vdash$	ref	59
8J 02589	32N	13W	35	ന	m	2	09
SJ 02783	32N	13W	35	m	۳	4	62

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## WATER COLUMN REPORT 08/11/2008

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

POD Number Tws Rng Sec q q q Zone X Y Well

Water (in feet) Column

Depth Water

No Records found, try again

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NAD27 X:	County: Basin:	Owner Name: (First) (Last)	POD / Surface Data Report Avg D

## WATER COLUMN REPORT 08/11/2008

	(quarter	s are	1 1=NW 2=NE	3=SW	1=SE)						
	(quarter	B are	quarters are biggest to smallest)	Smal	lest)		Depth	Depth	Water	in	feet)
POD Number	Tws	Rng	Sec q q q	Zone	×	×	Well	Water	Column		
RG 37716	31N	14W	05	C	727700	2164700	47				
RG 37737	31N	14W	35	D	736990	2151000	54	27	27		

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## WATER COLUMN REPORT 08/11/2008

	(quarters	S are				LENK ZENE BESW 4-SE)						
	(quarters		bio	3996	are biggest to	smallest)			Depth	Depth	Water	(in feet)
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37 02590	31N	13W	02	1 2					114	7.0	44	
3J 00835	31N	13W	02	2	- 1				34	19	15	
3J 03386	31N	13W	03	7					80	11	69	
3J 02879	31N	13W	03	2	2				30			
3J 03137	31N	13W	03	0	67				20			
8J 02990	31N	13W	03	2	4				100	22	78	
3J 01295	31N	13W	60	2	-				230	180	50	
JJ 02977	31N	13W	60	2	3				325	124	201	
3J 02920	31N	13W	60	2	2				85			
JJ 02755	31N	13W	60	2	7				9	40	20	
3.7 02987	31N	13%	60	4	m				250	87	163	
3.7 03382	31N	13W	60	44	2				20			
3J 02717	31N	13W	10	1					42	22	20	
3J 01094	31N	13W	10	2					130	09	7.0	
3J 00798	31N	13W	10	2					125	65	09	
3J 00089	31N	13W	10	2	1				80	18	62	
3J 01952	31N	13W	10	2					16	9	10	
37 01944	31N	13W	10	2					20	4	16	
37 02276	31N	13W	10	(L)					24	19	S	
17 01945	31N	13W	10	(C)	_				31	16	15	
SJ 00729	31N	13W	10	4					43	10	33	

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01950	02637	03734 PC	02048	86500	00965	03197	01820	02737	02836	03797 PC	03611	02729	02753	332	03191	03351	02761	02294	02724	03730 PC	02811	02766	03284	02072	01591	02618	03083	374
SJ 01	SJ 02			SJ 00:	SJ 00	SJ 03:	83 01	SJ 02	SJ 02	SJ 03	SJ 03		SJ 02.	8J 021	8J 03:	8.7 03:	8J 02	8J 02	SJ 02	SJ 03	SJ 026			8J 02(		83 02(	8.7 03(	8J 023

Record Count: 50

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## WATER COLUMN REPORT 08/12/2008

nb)	arters	are	1	3	2=N	E B	-SW 4-SE)								
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SJ 00815 EXPLOR-2	30N	15W	22	ന	3.4					240					
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SJ 00815 EXPLORE-1	30N	15W	27	4	3 1					234					
0	30N	15W	27	4	3		30N 15W 27 4 3 3			231					
8J 03798 POD1	30N	15W	59	4	2 2		2547	38	2105417	35	12	23			
SJ 00971 EXPLORE-2	30N	15W	36	-	4 3	<del>ڪ</del> ٽ	W 342253	53	2100399	524	131	393			
8J 00971 EXPLORE-1	30N	15W	36	$\dashv$	4 3		W 3422	53	2100399	532	102	430			

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## WATER COLUMN REPORT 08/12/2008

33	quarters	are	N.	3	NA T	ä	are 1=NW 2=NE 3=SW 4=SE)						•	
	ingreeze are probler to emerces		570		נ	0	CASSTTERS!			Depty	Deptu	MACOL	F	TOOL)
POD Number	Tws	Rng Sec q q q	200	0,	5	N	Zone	×	×	Well	Water	Column		
SJ 00944	30N	14W (	03	7						19	2	99		

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## WATER COLUMN REPORT 08/11/2008

	(quarters		I	泽	Z	M M	are 1=NW 2=NE 3=SW 4=SE)						
	(quarters		are biggest to	396	at T		smallest)			Depth	Depth	Water	(in feet)
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RG 22431	30N	13W	30	'0						100	45	55	
SJ 01344	30N	13W	01	4	1 2					42	27	15	
J 03283	30N	13W	0.5	7	1 2					20	00	12	
J 00132	30N	13W	0.5	E	D.					100	46	54	
BJ 01101	30N	13W	80	П						41	26	15	
SJ 03326	30N	13W	80	П	m					55	30	25	
J 00328	30N	13%	80	2						33	21	12	
J 02268	30N	13W	80	N						30	21	60	
8J 01463	30N	13W	08	7						52	30	22	
J 00877	30N	13W	90	7						9	30	30	
SJ 00293	30N	13W	08	2						50	30	20	
J 00855	30N	13W	90	2	_					20	25	25	
8J 01068	30N	13W	90	2	_					53	28	25	
J 02326	30N	13W	90	N	3					42	35	7	
SJ 02735	30N	13W	90	2	3.4					43	23	20	
8J 00587	30N	13W	90	m	1 2					72	48	24	
J 03195	30N	13W	90	4						09	35	25	
SJ 03328	30N	13W	08	4	1 1					9			
sJ 03196	30N	13W	08	4	1 2					41	20	21	
8J 03160	30N	13W	80	작	7					09	80	52	
87 00374	30N	13W	90	₹'	01						56		

95 98 10 18

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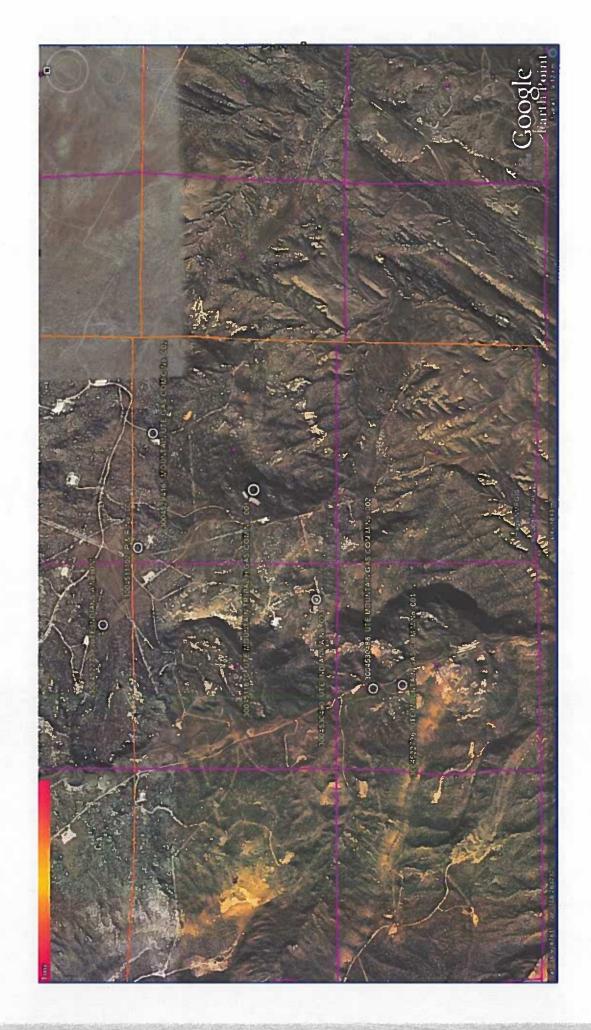
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8J 00467 8J 01150 8J 00156 8J 01359 8J 02391	30N 30N 30N 30N	13W 13W 13W 13W	322 32	4 H W W W H		

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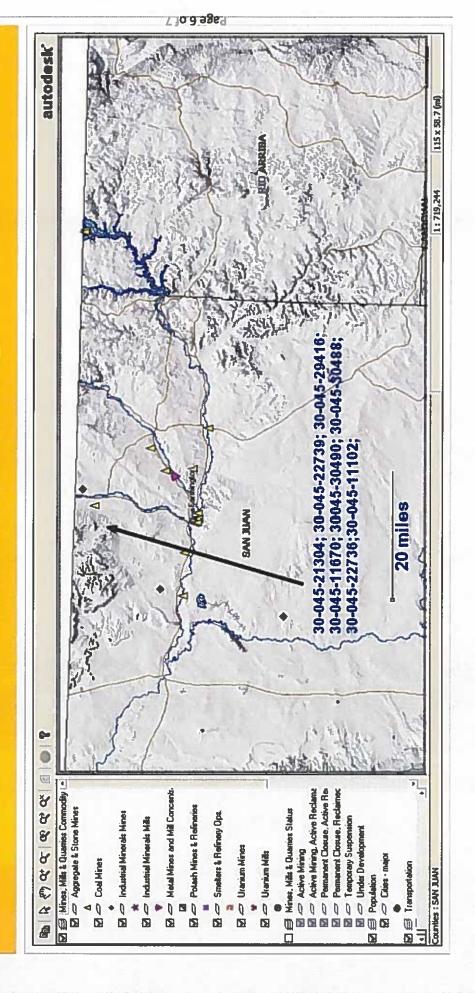
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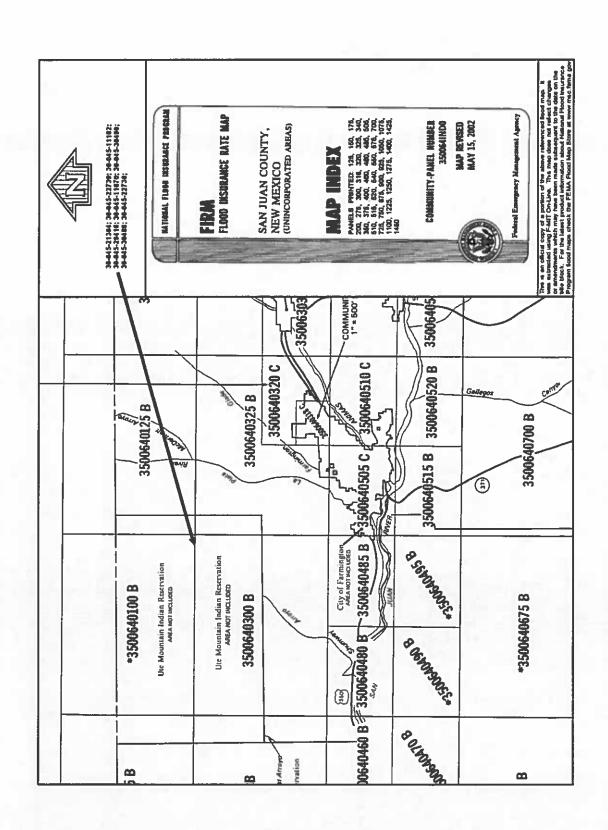




# Mines, Mills and Quarries Web Map



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

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

## General Plan

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

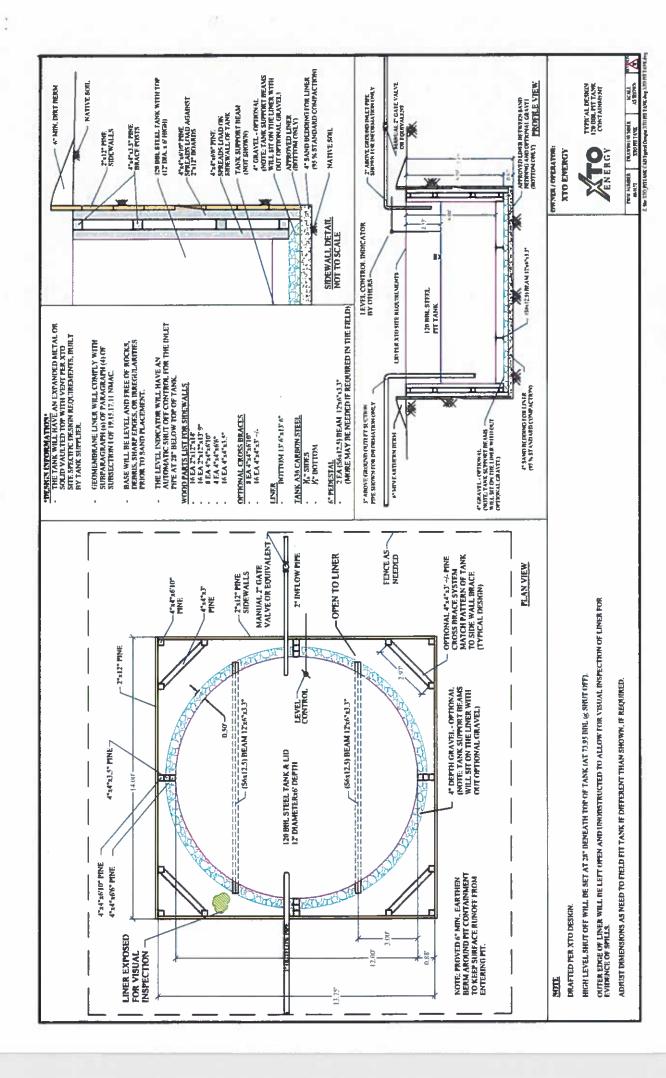
XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks Page 2

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

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

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



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

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

### General Plan

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

Well Name
API #
Sec., Twn., Rng.
XTO Inspector's name
Inspection date and time
Visible tears in liner
Visible signs of tank overflow
Collection of surface run on
Visible layer of oil
Visible signs of tank leak
Estimated freeboard

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

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

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

.

		MONT	ILY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	INSPECTIO	N FORM		
Well Name:					API No.:	1		
Legals	Sec		Township:		Range:			
XTO Inspector's Name	Inspection	Inspection	Any visible liner	Any visible signs of tank overflows (Y/N)	Collection of surface	Visible layer	Any visible signs	Freeboard
								(1)
							=	
				1				
Notes:	Provide De	Provide Detailed Description:	otion:					
Misc:								

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

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

## General Plan

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

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

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XTO Energy Inc.
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General Closure Plan
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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.

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

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

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viii. Photo documentation of the site reclamation.

District I
1625 N. French Dr., Hobbs, NM 88240
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District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

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

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

QUESTIONS

Action 109004

### **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	109004
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### QUESTIONS

cility and Ground Water		
entify the appropriate associations in the system.		
Ute Mountain Tribal H Gas Com 1		
Not answered.		
Below Grade Tank - (BGT)		
Ute Mountain Tribal H Gas Com 1		
30-045-11670		
Not answered.		

Below-Grade Tank	
Subsection I of 19.15.17.11 NMAC	
Volume / Capacity (bbls)	120
Type of Fluid	Produced Water
Pit / Tank Construction Material	Steel
Secondary containment with leak detection	Not answered.
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.
Visible sidewalls and liner	Not answered.
Visible sidewalls only	True
Tank installed prior to June 18. 2008	True
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	no liner

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

QUESTIONS, Page 2

Action 109004

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

Not answered.

Requests must be submitted to the Santa Fe Environmental Bureau office for

Exception(s):

consideration of approval

District I

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

QUESTIONS, Page 3

Action 109004

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Oil Conservation Division		

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 **QUESTIONS** (continued) Operator OGRID: HILCORP ENERGY COMPANY 372171 1111 Travis Street Action Number: Houston, TX 77002 109004 Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB) QUESTIONS Siting Criteria (regarding permitting) 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks. Siting Criteria, General Siting Ground water is less than 25 feet below the bottom of a low chloride temporary pit No NM Office of the State Engineer - iWATERS database search True USGS Not answered. Data obtained from nearby wells Not answered. Siting Criteria, Below Grade Tanks Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water No Within 200 horizontal feet of a spring or a fresh water well used for public or No livestock consumption **Proposed Closure Method** Below-grade Tank Below Grade Tank - (BGT) Waste Excavation and Removal Alternate Closure Method. Please specify (Variance Required) Not answered. Operator Application Certification

01/05/2009

Registered / Signature Date

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

ACKNOWLEDGMENTS

Action 109004

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	109004
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### **ACKNOWLEDGMENTS**

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

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

CONDITIONS

Action 109004

### **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	109004
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### CONDITIONS

Created By		Condition Date
jburdine	None	8/12/2022