District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM-87505 Love din 1

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.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Type of action: Existing BGT Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,
below-grade tank, or 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.
1. Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility ör well name: Valencia Canyon Unit #27
API Number: <u>30-039-21595</u> OCD Permit Number:
U/L or Qtr/Qtr M Section 22 Township 28N Range 04W County: Rio Arriba
Center of Proposed Design: Latitude 36.641840 Longitude 107.244180 NAD: □1927 ☑ 1983
Surface Owner: X Federal X State 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 mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Volume: bbl Dimensions: L x W x D
3. Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other
☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams: Welded Factory Other
4.
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 120
Liner type: Thickness mil HDPE PVC Other

Alternative Method:

Liner type: Thickness

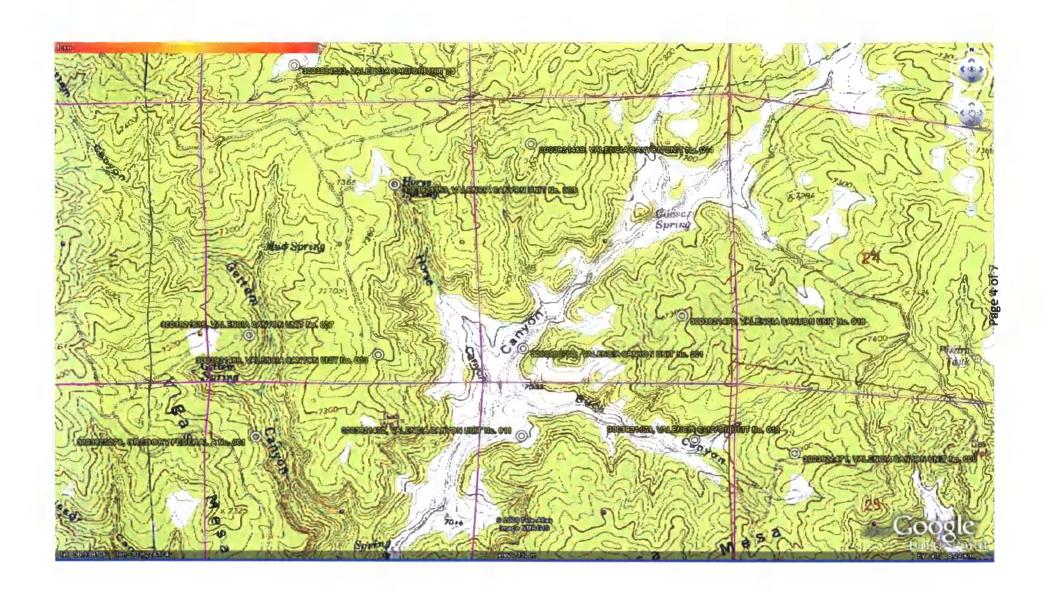
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.



Pit Permit

Client:	XTO Energy
Project:	tank permitting
Revised:	23-Nov-08
Prepared by:	Trevor Ycas

PO Box 4465, Duran	m. CD 81302	Siting Criteria	Revised:	23-Nov-08
V		Information Sheet	Prepared by:	Trevor Ycas
API#:		30-039-21595	USPLSS:	28N 04W 22 M
Name:	VALENCIA	CANYON UNIT No. 027	Lat/Long:	36.641840°, -107.244180°
Depth to groundwater:		depth < 50'	Geologic formation:	San Jose Formation (Tsj), alluvium
Distance to closest continuously flowing watercourse:		s NW to 'San Juan River' Navajo Reservoir	Site Elevation: 2217m/7274	groundwater depth estimation is based primarily on elevation of nearby springs
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	4624' SE	to Valencia Canyon'		
	· . · · ·		Soil Type:	Rockland/ Aridisols
Permanent residence, school, hospital, institution or church within 300'		NO		
00 pt			Annual Precipitation:	Navajo Dam: 12.95", Governador: 11.98", Capulin Rgr Stn.: 14.98", Otis: 10.41"
Domestic fresh water well or spring within 500'		NO	Precipitation Notes:	Historical daily max. precip.: 4.19" (Bloomfield)
Any other fresh water well or spring within 1000'	NO; ~11	00' SW to 'Gettem Spring (SP03619)		
Within incorporated municipal boundaries		NO	Attached Documents:	27N03W_iWaters.pdf, 27N04W_iWaters.pdf, 27N05W_iWaters.pdf, 28N03W_iWaters.pdf, 28N04W_iwaters.pdf, 28N05W_iwaters.pdf, 29N03W_iWaters.pdf, 29N04W_iWaters.pdf, 29N05W_iWaters.pdf
Within defined municipal fresh water well field		NO	FM350049IND0_30- 039-21595.jpg	30-039-21595_gEarth-PLS.jpg, 30-039-21595_topo- PLS.jpg, 30-039-21595_gEarth-iWaters.jpg
Wetland within 500'		NO	Mining Activity:	None Near
Within unstable area		NO		NM_NRD-MMD_MinesMillQuarries_30-039-21595.jpg
Within 100 year flood plain	u	nmapped area		
Additional Notes:				b
drains to 'Largo Canyon' via 'Valencia Canyon'	SP03620(ele- water; USGS	orings SP03811(elev: 2182m), v. 2211m) both süpply livestock :Horse Spring (elev.2234m) use 'Gettem Spring' (elev. 2196m)		located on 'Vigas Mesa', W of 'Gettem Canyon', & W of 'Valencia Canyon'





	1 02 Reports and 200 monds
	Township: 29N Range: 04W Sections:
	NAD27 X: Zone: Search Radius:
	County: Basin: Number: Suffix:
	Owner Name: (First) (Last) Non-Domestic Omestic All
	POD / Surface Data Report
	Clear Form iWATERS Menu Help
	WATER COLUMN REPORT 08/12/2008
	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water (in feet)
POD Number SJ 00037	Tws Rng Sec q q q Zone X Y Well Water Column 29N 04W 04 2 373

	TOD Reports and Downloads
	Township: 29N Range: 03W Sections:
	NAD27 X: Y: Zone: Search Radius:
	County: Basin: Number: Suffix:
	Owner Name: (First) (Last) Non-Domestic Omestic All
	POD / Surface Data Report
	Clear Form iWATERS Menu Help
	WATER COLUMN REPORT 08/12/2008 (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water (in feet)
POD Number	Tws Rng Sec q q Q Zone X Y Well Water Column

306

Record Count: 1

SJ 01575

03W 08 4 4 2

29N

		Township:	28N Range: 05W	Sections							
		NAD27 X:	Y:	Zone: S	earch Radius:						
		County:	Basin:	Number	Suffix:						
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		(* 1101)	(12001)			,					
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	POD / SURFACE D	DATA REPORT 10/11/2008									
	POD / SURFACE L	MIN REPORT 10/11/2008	(quarters are 1s	NW 2=NE 3=SW 4=SE)							
	(acre ft per annum)			ggest to smallest	X Y are in Feet	UTM are	in Meters)	Start	Finish	Depth
DB File Nbr	Use Diversion Owner	POD Number		s Rng Sec q q q	2one X Y			Northing	Date	Date	Well 1
SD .07850	PDL 3 ROSA B. MARTINEZ	SD 07850	28	N 05W 18 2 3 4		13	285663	4060122			
SD 07851	PDL 3 ROSA B. MARTINEZ	SD 07851	28	N 05W 18 1 2 1		13	285228	4060731			
SD 07852	PDL 3 ROSA B, MARTINEZ	SD 07852	28	N 05W 18 2 1 1		.13	265579	4060759			
8J 00036	IND 65 BURLINGTON RESOUR	RCES OIL 4 GAS SJ 00036	Shallow 28	N 05W 28 3		13	288156	4056298	06/27/1953	06/27/1953	303
8J 00047	NOT 0 MAMIE MANGUM	SJ 00047	Shallow 28	N 05W 28		13	288556	4056700	07/30/1953	08/04/1953	465
8J 01893	STK 3 ROSA B. OR JUAN I	L. MARTINEZ SJ 01893	Shallow 28	N 05W 18 4		13	285827	4059576	09/14/1984	10/12/1984	390
8J 03806	STK 3 ROSA B. MARTINEZ	8J 03806 POD	1 28	N 05W 07 4 4 2	130509 2065482	13	296111	4061033			

Township: 28N Range: 04W Sections:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) Non-Domestic © Domestic © All POD / Surface Data Report Avg Depth to Water Report Water Column Report
POD/Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form WATERS Menu Help
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Pod / SURFACE DATA REPORT 10/19/2008
Column C
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Care Frank Frank
DB File Nbr Use Divarsion Owner POD Number Source Tws Rng Sac q q Zone X Y UTM Zone Easting Northing Date Date Well 95 00045 IND 0 U.S. GOVERNMENT 95 00045 Shallow 28N 04W U7 IS 295235 4061453 09/04/1952 09/10/1952 09 95 03618 STK 1.38 UNITED STATES OF AMERICA 8F 03618 28N 04W 09 3 1 IS 13 297832 4061209
8J 00045 IND 0 U.S. GOVERNMENT 8J 00045 Shallow 28N 04W 07 13 295235 4061453 09/04/1952 09/10/1952 09 8J 02385 STK 3 CARSON NATIONAL FOREST 8J 02385 Shallow 28N 04W 26 1 1 13 309818 4057064 8P 03618 STK 1.88 UNITED STATES OF AMERICA 8P 03618 28N 04W 09 3 1 13 297832 4061209
8J 02385 STK 3 CARSON NATIONAL FOREST SJ 02385 Shallow 28N 04W 26 1 1 13 300B18 4057064 SP 03618 STK 1.88 UNITED STATES OF AMERICA SP 03618 28N 04W 09 3 1 13 297832 4061209
8P 03619 STK 0.36 UNITED STATES OF AMERICA 8P 03619 28N 04W 21 4 4 13 298924 4057416
SP 03620 STK 0.36 UNITED STATES OF AMERICA SP 03620 26N 04W 22 1 4 13 299736 4058240
SP 03621 STK 0.58 UNITED STATES OF AMERICA SP 03621 28N 04W 29 2 2 13 297324 4057019
8P 03622 STK 0.36 UNITED STATES OF AMERICA SP 03622 28N 04W 33 2 4 13 298821 4054927
SP 03808 STK 1.67 CARSON NATIONAL FOREST SP 03808 28N 04W 17 3 1 13 296199 4059551
SP 03809 STK 1.67 CARSON NATIONAL FOREST SP 03809 28N 04W 17 4 4 13 297378 4059116
SP 03811 STK 1.67 CARSON NATIONAL FOREST 5P 03811 28N 04W 14 1 1 13 300944 4060310
8P 03972 STK U CARSON NATIONAL FOREST 8P 03972 28N 04W 36 3 3 13 302344 4053996
BP 04028 STK 0.85 CARSON NATIONAL FOREST SP 04028 28N 04W 32 2 4 13 297271 4054953

			POD Reports a						
		Township: 28	BN Range: 03W Sect	ions:					
		NAD27 X:_	Y:	Zone: Search	Radius:				
		County:	Basin:	Number:	Suffix				
		Owner Name: (First)	(Last)	O Non-Do	omestic O Domestic	⊙ All			
		POD / Surfac	e Data Report Avg Depth	to Water Report Water	Column Report				
			Clear Form iWA1	ERS Menu Help					
	POD / SURFACE E	NATA REPORT 10/19/2008							
	(acre ft per annum)		(quarters are 1=NW 2 (quarters are bigge		are in Feet	UTM are in Meters)	Start	Finish	Depth
DB File Nbr	Use Diversion Owner	POD Number	Source Tws	ing Sec g g g Zone	X Y	UTM Zone Easting No	rthing Date	Date	Well

No Records found, try again

Record Count: 3

New Mexico Office of the State Engineer **POD Reports and Downloads** Township: 27N Range: 05W Sections: Y: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) O Non-Domestic O Domestic O All Clear Form iWATERS Menu Help POD / SURFACE DATA REPORT 09/16/2008 (quarters are 1=NW 2=NE 3=SW 4=SE) UTM are in Meters) (acre ft per annum) (quarters are biggest to smallest X Y are in Feet Start Finish Depth DB File Nbr Use Diversion Owner POD Number Source Tws Rng Sec q q 2 2one Shallow 27N 05W 27 4 4 3 UTM Zone Easting Northing Date Well 1 × Date RG 81026 3 BUREAU OF LAND MANAGEMENT RG 81026 09/12/2003 09/16/2003 STK 290530 404€294 460 SJ 00046 IND 16 BURLINGTON RESOURCES OIL & GAS SJ 00046 Shallow 27N 05W 04 4 4 13 289133 4052788 01/13/1954 01/13/1954 506 SJ 00199 4 BURLINGTON RESOURCES OIL & GAS 8J 00199 Artesian 27N 05W 03 2 1 .13 290409 4053971 05/02/1967

1 of 1

Record Count:

New Mexico Office of the State Engineer **POD Reports and Downloads** Township: 27N Range: 04W Sections: NAD27 X: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) O Non-Domestic O Domestic O All Clear Form iWATERS Menu Help POD / SURFACE DATA REPORT 09/16/2008 (quarters are 1=NW 2=NE 3=SW 4=SE) (acre ft per annum) (quarters are biggest to smallest X Y are in Feet UTM are in Meters) Finish Start Depth DB File Nbr Well 1 Use Diversion Owner POD Number Source Tws Rng Sec q q q х UTM Zone Easting Northing Date Date SJ 00048 48 BURLINGTON RESOURCES OIL & GAS 8J 00048 27N 04W 01 302928 4052997 07/31/1953 143 SJ 01049 IND 30.55 BURLINGTON RESOURCES OIL & GAS SJ 01049 27N 04W 18 4 2 2 295646 4049831 06/30/1967 15 8J 01205 OIL MERIDIAN OIL PRODUCTION, INC. 27N 04W 34 4 4 4 8J 01205 Artesian 13 300255 4044335 10/18/1980 10/25/1980 3054 SP 03616 SP 03617 STK 0.58 UNITED STATES OF AMERICA SP 03616 27N 04W 24 2 4 4048375 303452 13 27H 04W 25 4 4 STK 0.58 UNITED STATES OF AMERICA SP 03617 13 303396 4045974 PLS 1.24 CARSON NATIONAL FOREST 27N 04W 30 1 2 4047368 SP 03010 SP 03810 13 294693 27N 04W 12 2 3 SP 03971 STK 0 CARSON NATIONAL FOREST SP 03971 303116 4051580

1 of 1

No Records found, try again

	Township: 27N Range: 03W Sections:
	NAD27 X: Y: Zone: Search Radius:
	County: Basin: Number: Suffix:
	Owner Name: (First) (Last) Onn-Domestic Domestic All
	POD / Surface Data Report
	Clear Form WATERS Menu Help
	POD / SURFACE DATA REPORT 10/19/2008
B File Nor	(quarters are l=NW 2=NE 3=SW 4=SE) (acre ft per annum) (quarters are biggest to smallest X Y are in Feet UTM are in Meters) Start Finish Dep Use Diversion Owner POD Number Source Twe Rng Sec q q Q Zone X Y UTM Zone Easting Northing Date Date Wel

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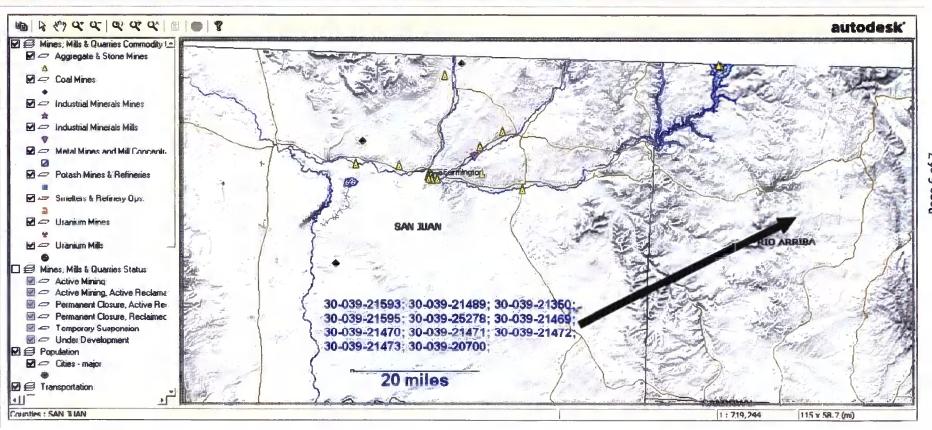
NAD27 X	Y:	Zone:	Search Radius:	
County:	Basin:	Number	r: Suffix:	
Owner Name: (First)	(Last	ON	on-Domestic Onestic	All
POD/S	urface Data Report Av	g Depth to Water Report	Water Column Report	

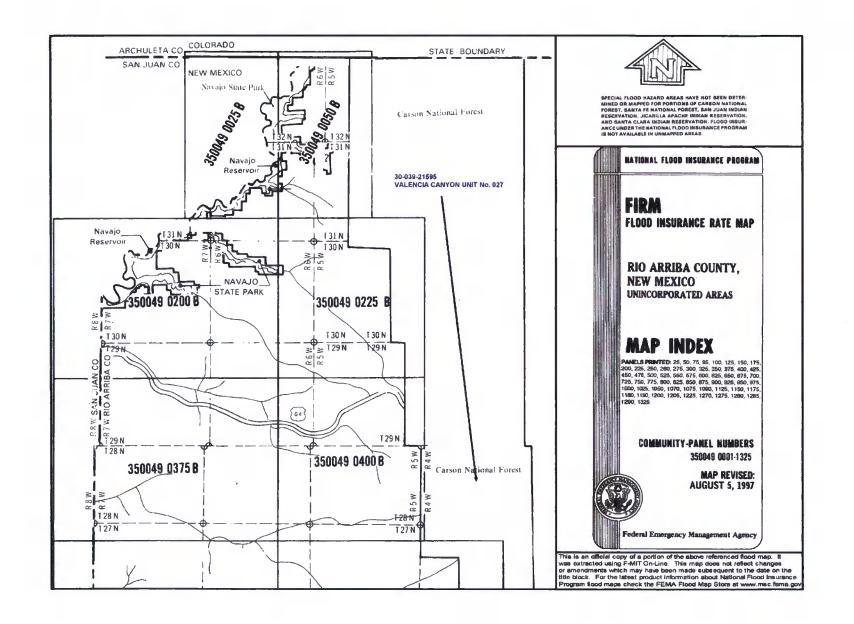
WATER COLUMN REPORT 08/12/2008

						B=SW 4=SE) smallest)			Depth	Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	q e	p p	Zone	X	Y	Well	Water	Column		
SJ 02339	29N	05W	29	3	3 3				350	108	242		
SJ 00422	29N	05W	31	2					239	135	104		
SJ 00056	29N	05W	31	2	3 1				142	50	92		
SJ 00057	29N	05W	31	2	3 1				158	57	101		
SJ 03208	29N	05W	31	3	3 3				220	160	60		
SJ 02383	29N	05W	32	1	1 1				300	100	200		



Mines, Milk and Quarries Web 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-grade tank which does not conform to this plan.

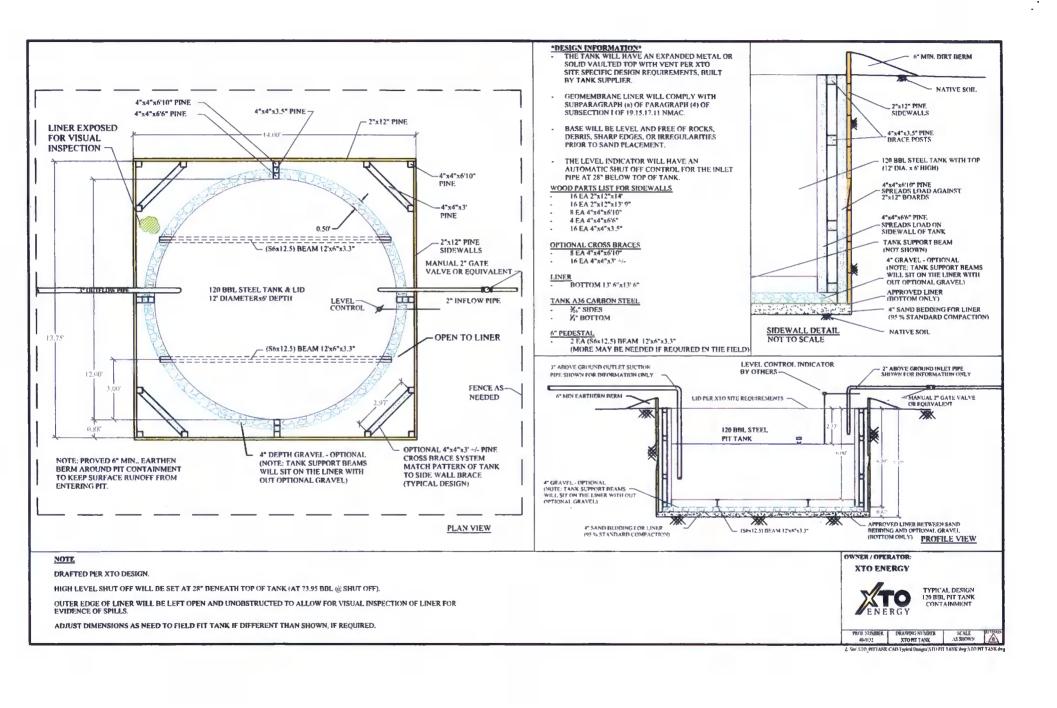
General Plan

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

- 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.
 - 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.
- 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.

		MONII	ALY BELO	W GRADE TANK	INSPECTIO	NFORM		
Well Nar	ne:				API No.:		···	
_egals	Sec:		Township:		Range:			
XTO Inspector's Name	Inspection Date	Inspection Time	Any visible liner tears (Y/N)	Any visible signs of tank overflows (Y/N)	Collection of surface run on (Y/N)	Visible layer of oil (Y/N)	Any visible signs of a tank leak (Y/N)	Freeboard Est. (ft)
					-			
Notes:	Provide De	tailed Descri	ption:					
						· · · · · · · · · · · · · · · · · · ·		
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

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

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

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

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

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

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

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

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