District I

1625 N. French Dr., Hobbs, NM 88240
District II

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

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
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

Existing BGT	Permit of a pit, closed-loop Closure of a pit, closed-loo				
	Modification to an existing		namittad as nan	permitted pit, closed-loop system,	
~ ·	r proposed alternative metho		, permitted or non-	permitted pit, closed-loop system,	
Instructions: Please submit on	e application (Form C-144) per	individual pit, cl	osed-loop system, bo	low-grade tank or alternative request	
Please be advised that approval of this reque environment. Nor does approval relieve the					
I.			OCRID#.	5200	
Operator: XTO Energy, Inc.  Address: #382 County Road 3100					_
Facility or well name:RUBEN CANY					
API Number:30-039-27678					
U/L or Qtr/Qtr P Section 03					
Center of Proposed Design: Latitude		_	107.230000	NAD: [_1927 [A] 1983	
Surface Owner:  Federal  State	Private Tribal Trust or India	n Allotment			
Pite Subscript For C of 10 15 17	II NMAC				
Pit: Subsection F or G of 19.15.17	.II NWAC				
Temporary: Drilling Workover					
Permanent Emergency Cavita		🗖 1			
Lined Unlined Liner type: Th	cknessmil LL	DPE ☐ HDPE [	_ PVC   Other _		
String-Reinforced					
Liner Seams: Welded Factory	Other	Volume:	bbl Dir	nensions: L x W x D	
3.					
Closed-loop System: Subsection I					
Type of Operation: P&A Drillin	g a new well 🔲 Workover or I	Orilling (Applies to	o activities which re	quire prior approval of a permit or notic	a of
intent)					C 01
	Tanke   Haul-off Rine	Other			C 01
	l Tanks Haul-off Bins			ar.	.C 01
Lined Unlined Liner type: Thic	knessmil	LLDPE   HDP		er	.01
☐ Lined ☐ Unlined Liner type: Thick Liner Seams: ☐ Welded ☐ Factory	knessmil	LLDPE   HDP		er	
Lined Unlined Liner type: Thick Liner Seams: Welded Factory	knessmil	LLDPE   HDP		er	
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of	March   Marc	LLDPE   HDP		PF	
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl	tnessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced	LLDPE   HDP		er	AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced eel	LLDPE   HDP	E PVC Oth		AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced eel	LLDPE   HDP	E PVC Oth		AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced  eel  tection Visible sidewalls, 1	d Water	E PVC Othe	w shut-off	AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced  eel  tection Visible sidewalls, 1  ble sidewalls only \( \times \) Other	d Water  liner, 6-inch lift an	E PVC Othe	w shut-off	AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de  Visible sidewalls and liner Visi	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced  eel  tection Visible sidewalls, 1  ble sidewalls only \( \times \) Other	d Water  liner, 6-inch lift an	E PVC Othe	w shut-off	
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de  Visible sidewalls and liner Visi	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced  eel  tection Visible sidewalls, 1  ble sidewalls only \( \times \) Other	d Water  liner, 6-inch lift an	E PVC Othe	w shut-off	AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection 1 of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de  Visible sidewalls and liner Visible type: Thickness	knessmil  Other  f 19.15.17.11 NMAC  Type of fluid:Produced  eel  tection Visible sidewalls, letestidewalls only Other mil HDPE PVC	d Water  liner, 6-inch lift an Visible sidewalls,	d automatic overflo	w shut-off nigh-level shut off, no liner	1g: 8/8/2022 10:43:45 AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de  Visible sidewalls and liner Visible sidewalls and liner Visible sidewalls and liner St  Alternative Method: Submittal of an exception request is requ	knessmil  Other	d Water  liner, 6-inch lift an Visible sidewalls,  C Other	d automatic overflo	w shut-off nigh-level shut off, no liner  Bureau office for consideration of approx	val   Imaging: 8/8/2022 10:43:45 AM
Lined Unlined Liner type: Thick Liner Seams: Welded Factory  4.  Below-grade tank: Subsection I of Volume: 120 bbl  Tank Construction material: St  Secondary containment with leak de  Visible sidewalls and liner Visible time type: Thickness  Alternative Method:	knessmil  Other	d Water  liner, 6-inch lift an Visible sidewalls,	d automatic overflo	w shut-off nigh-level shut off, no liner	1g: 8/8/2022 10:43:45 AM

Ti.	
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school,	hospital,
institution or church)  [ Four foot height, four strands of barbed wire evenly spaced between one and four feet	
✓ Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing	
7.	<u> </u>
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)	
a. 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	
9.	
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.	office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC	
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept	ptable source
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice 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 dry above-grade tanks associated with a closed-loop system.	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	⊠ Yes □ No
- 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 significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	☐ Yes ☑ No
- Topographic map; Visual inspection (certification) of the proposed site	
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)	☐ Yes ☑ No☐ NA
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☐ No ☐ NA
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
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.	☐ Yes 🖾 No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☑ No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	
Within 500 feet of a wetland.	☐ Yes ☑ No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes 🛛 11%
Within an unstable area.	☐ Yes ☑ №
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	22
Within a 100-year floodplain.	☐ Yes ☑ 15%
- FEMA map	
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map  Within a 100-year floodplain FEMA map  Form C-144  Oil Conservation Division  Page 2 of 5	agin
Form C-144 Oil Conservation Division Page 2 of 5	· Im
Form C-144 Oil Conservation Division Page 2 of 5	ed to
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	rade Tanks Permit Application Attachment Checkline attached to the application. Please indicate, by a ch	
	) - based upon the requirements of Paragraph (4) of Subsency Pits) - based upon the requirements of Paragraph - based upon the appropriate requirements of 19.15.17.17 nuirements of 19.15.17.11 nmac on the appropriate requirements of 19.15.17.12 nmac ough 18, if applicable) - based upon the appropriate recommends of 19.15.17.12 nmac ough 18, if applicable) - based upon the appropriate recommends.	(2) of Subsection B of 19.15.17.9 NMAC 10 NMAC
☐ Previously Approved Design (attach copy of c	design) API Number: c	or Permit Number:
	hment Checklist: Subsection B of 19,15,17,9 NMAC be attached to the application. Please indicate, by a ch	
Geologic and Hydrogeologic Data (only for Siting Criteria Compliance Demonstrations Design Plan - based upon the appropriate re Operating and Maintenance Plan - based up	r on-site closure) - based upon the requirements of Para (only for on-site closure) - based upon the appropriate equirements of 19.15.17.11 NMAC oon the appropriate requirements of 19.15.17.12 NMAC rough 18, if applicable) - based upon the appropriate re	requirements of 19.15.17.10 NMAC
☐ Previously Approved Design (attach copy of d	design) API Number:	-
Previously Approved Operating and Maintena	nnce Plan API Number:	(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and prop	pose to implement waste removal for closure)	
attached.  Hydrogeologic Report - based upon the requisiting Criteria Compliance Demonstrations Climatological Factors Assessment Certified Engineering Design Plans - based Dike Protection and Structural Integrity Design - based upon the application of the protection Design - based upon the application of the protection Design - based upon the application of the protection Design - based upon the application of the protection Design - based upon the application of the protection Plan of the protectio	uirements of Paragraph (1) of Subsection B of 19.15.17 - based upon the appropriate requirements of 19.15.17.11 NM sign - based upon the appropriate requirements of 19.15.17.11 NM sign - based upon the appropriate requirements of 19.15 propriate requirements of 19.15.17.11 NMAC essment - based upon the appropriate requirements of 19. cition and Installation Plan con the appropriate requirements of 19.15.17.12 NMAC n - based upon the appropriate requirements of 19.15.17 2S, Prevention Plan requirements of Subsection C of 19.15.17.9 NMAC and	7.9 NMAC 1.10 NMAC AC 5.17.11 NMAC 19.15.17.11 NMAC C 7.11 NMAC
	ces, Boxes 14 through 18, in regards to the proposed of	-
Alternative	☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Belov	w-grade rank [ Closed-toop System
Proposed Closure Method: Waste Excavation Waste Removal (	and Removal (Closed-loop systems only)	
	Method (Only for temporary pits and closed-loop systen ace Burial   On-site Trench Burial	ns)
Alternative Closur	re Method (Exceptions must be submitted to the Santa	Fe Environmental Bureau for consideration)
Closure plan. Please indicate, by a check mark in  ☐ Protocols and Procedures - based upon the a ☐ Confirmation Sampling Plan (if applicable) ☐ Disposal Facility Name and Permit Number ☐ Soil Backfill and Cover Design Specification ☐ Re-vegetation Plan - based upon the approp	appropriate requirements of 19.15.17.13 NMAC - based upon the appropriate requirements of Subsecti	on F of 19.15.17.13 NMAC  ction H of 19.15.17.13 NMAC  AC
Form C-144	Oil Conservation Division	Page 3 of 5 Page 3 of 5
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6. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.E Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if n facilities are required.	
Disposal Facility Name: Disposal Facility Permit Number:	
Disposal Facility Name: Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future server Yes (If yes, please provide the information below) No	vice and operations
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	C
17. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtive and exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justif demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	rict office or may b
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
Ground water is between 50 and 100 feet below the bottom of the buried waste  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
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.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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; 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
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC	×
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC  Form C-144  Oil Conservation Division  Page 4 of	ot be achieved)
Form C-144 Oil Conservation Division Page 4 o	f5
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Operator Application Certification:		
I hereby certify that the information submitted with this app	•	- ·
Name (Print): Kim Champlin		Environmental Representative
Signature: him Champlin	Date:	11.24-08
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
20. OCD Approval: X Permit Application (including closure	plan)	Conditions (see attachment)
OCD Representative Signature: Shelly Wells		Approval Date: <u>08/08/2022</u>
Title: Environmental Specialist-A	OCD Permit Num	ber: Legacy BGT1
Closure Report (required within 60 days of closure comp Instructions: Operators are required to obtain an approved The closure report is required to be submitted to the division section of the form until an approved closure plan has been	i closure plan prior to implementing any on within 60 days of the completion of the	closure activities and submitting the closure report. closure activities. Please do not complete this been completed.
22.  Closure Method:  Waste Excavation and Removal □ On-Site Closure N  If different from approved plan, please explain.	Method	☐ Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Clastructions: Please indentify the facility or facilities for w two facilities were utilized.		
Disposal Facility Name:	Disposal Facility Pe	ermit Number:
Disposal Facility Name:	Disposal Facility Pe	ermit Number:
Were the closed-loop system operations and associated activ  Yes (If yes, please demonstrate compliance to the item		be used for future service and operations?
Required for impacted areas which will not be used for futur  Site Reclamation (Photo Documentation)  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Techniq	·	
24.  Closure Report Attachment Checklist: Instructions: Each 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 applical Waste Material Sampling Analytical Results (required Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Techniques Site Reclamation (Photo Documentation)  On-site Closure Location: Latitude	ch of the following items must be attached ble) I for on-site closure)	i to the closure report. Please indicate, by a check  NAD: [] 1927 [] 1983
25. Operator Closure Certification:		
I hereby certify that the information and attachments submitt belief. I also certify that the closure complies with all applic		
Name (Print):	Title:	
Signature:	Date:	
Signature:e-mail address:	Telephone:	820
Fecenced by OCD: 4774 Form C-144	Oil Conservation Division	Page 5 of 5
Receive		Release

DISTRICT | P.O. Box 1980, Hobbs, N.M. 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

DISTRICT II P.O. Drawer DD, Arlesia, N.M. 88211-0719

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

DISTRICT IV PO Box 2088, Sania Fe, NM 87504-2088 OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

		¥	ACTT T	UCATIO	IN AND AC	KEAGE DED	ICATION FL	.AT		
*APS	Number			<sup>3</sup> Paol Code			Peol Name	1		
*Property Co	de				*Property N	ome			1 We	Il Humber
					RUBEN CAL	NOV				1
7 DORID No.					*Operator t	lame	·			Elevation
					XTO ENERGY	r INC.				698O
	•				<sup>10</sup> Surface	Location				
UL or lot no.	Section	Tewnship	Range	Let Idn	Feet from the	Herih/South line	Feel from the	Cast/Wes		County
Р	3	29-N	4-W		830	SOUTH	1265	EA	ST	RIO ARRIBA
			11 Botto	m Hole	Location I	Different Fro	m Surface	·		
UL or sol no.	Section	qldenwoT	Range	Let Idn	Feet from the	Horth/South line	Feel from the	East/We:	it line	County
12 Dedicated Acres	!	11 )	oini or infil		<sup>18</sup> Consolidation Co	l da	**Order No.			
NO ALLOW	ABLE W		ASSIGNE NON-STA		IS COMPLETION OF THE PROPERTY	ON UNTIL ALL EN APPROVED	INTERESTS H		EN CO	NSOLIDATED
SEC. CORNER FD 3 1/4" BC BLM 1953				-16-01 56.09' (M		SEC. COF FD 3 1/4"	BC 1953 I hereby certify	that the info	rmation conta	RTIFICATION lined herein is realgo and belief

		MPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED HAS BEEN APPROVED BY THE DIVISION
SEC. CORNER FD 3 1/4" BC BLM 1953	N 89-16-01 W 5156 09' (M)	SEC. CORNER FD 3 1/4" BC BLM 1953 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
LOT 4	LOT 3 LOT 2	LOT 1
		Signature Printed Name
	3	THe SURVEYOR CERTIFICATION
	1 × ×	I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by mor under my supervision and that the same is true and correct to the left of my location.  Bate at Survey
	LAT: 36'44'56" N. (NAD LONG:107'14'12' W. (NAI	83) 1265 Signated and seq 4827 leadons correspons
CALC'D. CORNER	WEST 5276* (R)	CALC'D. CORNER Certificate Number

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			Client:	XTO Energy
Lodestar Servic	es. Inc.	Pit Permit	Project:	tank permitting
PO Bex 4465, Duran	•	Siting Criteria	Revised:	8-Nov-08
1000.4100,000	Information Sheet		t Prepared by:	Trevor Ycas
Y				
API#:		30-039-27678	USPLSS:	29N 04W 3 P
Name:	RUBEN CA	NYON No. 001	Lat/Long:	36.748880°, -107.236660°
Depth to groundwater:		depth < 50'	Geologic formation:	San Jose Formation (Tsj), alluvium
Distance to closest continuously flowing watercourse:		NW to 'San Juan River' ajo Reservoir'/'La Jara Canyon'	Site Elevation: 2128m/6982'	
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	2590' S	to 'Vaqueros Canyon';		
			Soil Type:	Rockland/ Aridisols
Permanent residence, school, hospital, institution or church within 300'		NO		
			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		
Within incorporated municipal boundaries		NO	Attached Documents:	28N03W_iWaters.pdf, 28N04W_iWaters.pdf, 28N05W_iWaters.pdf, 29N03W_iWaters.pdf, 29N04W_iwaters.pdf, 29N05W_iwaters.pdf, 30N03W_iWaters.pdf, 30N04W_iWaters.pdf, 30N05W_iWaters.pdf
Within defined municipal fresh water well field		NO	FM35004907508_30- 039-2XXXX.jpg	30-039-27678_gEarth-PLS.jpg, 30-039-27678_topo- PLS.jpg, 30-039-27678_topo-PLS.jpg, 30-039- 27678_gEarth-iWaters.jpg
		NO	Mining Activity:	None Near
Wetland within 500'				NM_NRD-MMD_MinesMillQuarries_30-039-27678.jpg
Within unstable area		NO		
Within 100 year flood plain	UNMA	PPED AREA: see note below		
Additional Notes:				
drains to 'Vaquero Canyon' via 'Ruben Canyon'	proximity t	' (100yr. Floodplain) likely due to o nearest stream channel and top quaternary alluviai/fluvial deposits		located in 'Ruben Canyon', north of 'Vaquero Canyon', E of 'Mestenas Mesa'

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## Ruben Canyon #1 Below Grade Tank Hydrogeologic Report for Siting Criteria

## General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the central La Jara Canyon region of the San Juan Basin partway up Ruben Canyon and east of Mestenas Mesa. The predominant geologic formation is the San Jose Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits serve as the primary aquifers in the San Juan basin (Stone et al., 1983). In most of the proposed area, the San Jose Formation lies at the surface and overlies the Nacimiento Formation. Thickness of the San Jose ranges from 200 to 2700 feet, thickening from west to east across the region of interest (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the San Jose Formation are between 0 and 2700' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows north, toward the San Juan River. Little specific hydrogeologic data is available for the San Jose Formation system, but "numerous wells and springs used for stock and domestic supplies" draw their water from the San Jose Formation (Stone et al, 1983).

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

Regional weather further prohibit active recharge. The climate is arid, averaging just over 12 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu).

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

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## Site Specific Hydrogeology

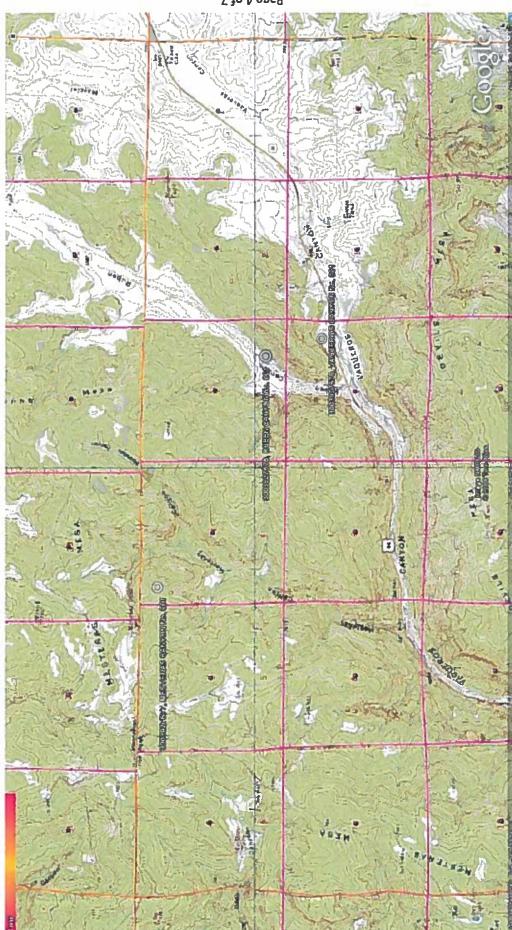
Depth to groundwater is estimated to be between less than 50°. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography, proximity to adjacent channels & spring features at similar elevations nearby are also taken into consideration.

Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone & shale. "Extensive intertonguing" of different members of this formation is reported. (Stone et al., 1983). Porous sandstones form the principal aquifers, while relatively impermeable shales and mudstones form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the San Jose Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to several hundred feet (USGS, Groundwater Atlas of the US) (Stone et al, 1983).

The site in question is located is on relatively flat ground in Ruben Canyon, east of Mestenas Mesa at an elevation of approximately 6980 feet and approximately 3000' north of the main Vaquero Canyon wash channel, the nearest significant watercourse. This site drains to Vaquero Canyon via Ruben Canyon. This region is deeply incised by canyons, washes, gullies and arroyos, with large, flat-topped mesas the predominant topographic feature. The mesas are composed of cliff-forming sandstone, and systems of dry washes and their tributaries composed of alluvium are evident on the attached aerial image. Groundwater is expected to be shallow within Cereza and La Jara Canyons and within major tributary systems. Additionally, the La Jara Canyon area has many surface springs at varying elevations, including at least 4 within 5 miles of this site.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. Groundwater data is extremely limited in this region; the nearest iWaters data point (an artesian well) lies 1.2 miles northwest (SJ 0037). Another artesian well containing water at a depth of less than 62'(& 50GPM historically) is located 3 miles northwest at a considerably higher elevation(SJ00042). Additionally, there is a spring located approx. 3.4 miles northwest (Corral Spring) (SP04168), 'Vaqueros Spring (SP04334) is located 3.2 miles southwest and "2 Trough Spring" is located 3 miles northwest of the site in question. Nearby springs are found at elevations above and below the site in question. Additionally, this area has not been mapped by the FEMA; no floodplain data is available for this region. Due to the elevation and proximity to nearest stream channels, this site is quite likely to be located in a 100-year floodplain.

Wells located at similar elevations nearby contain groundwater at depths of 50 feet and deeper, occasionally in excess of 300 feet. However, there exist numerous surface springs in the PLSS section 29N/30N, 04W/05W. The exact topography, underlying alluvium, multiple nearby springs, and elevation relative to nearby surface spring features are not enough to be certain that groundwater is deeper than 50 feet. A map showing the location of wells in reference to the proposed pit location is attached.





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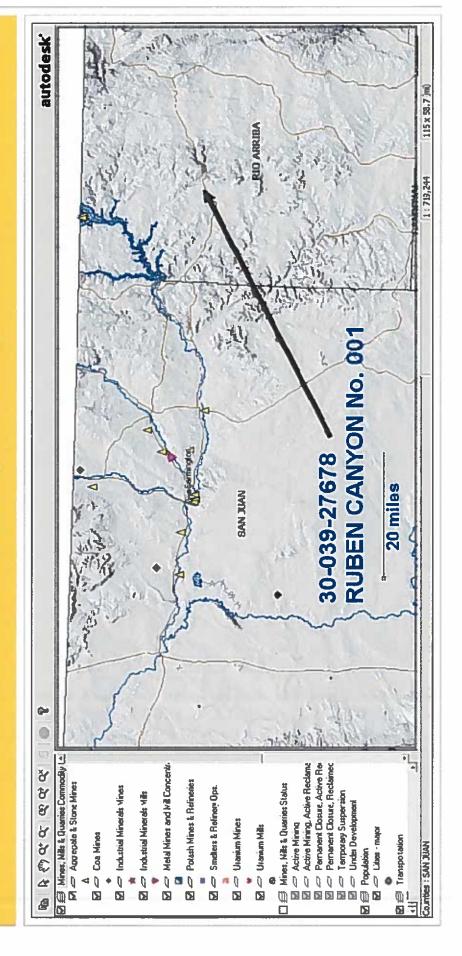
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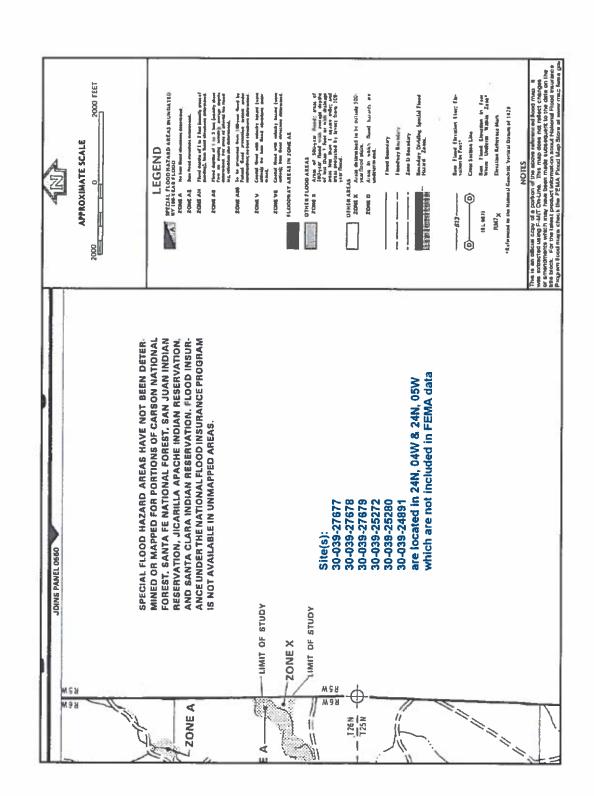
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# Mines, Mills and Quarries Web Map



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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.

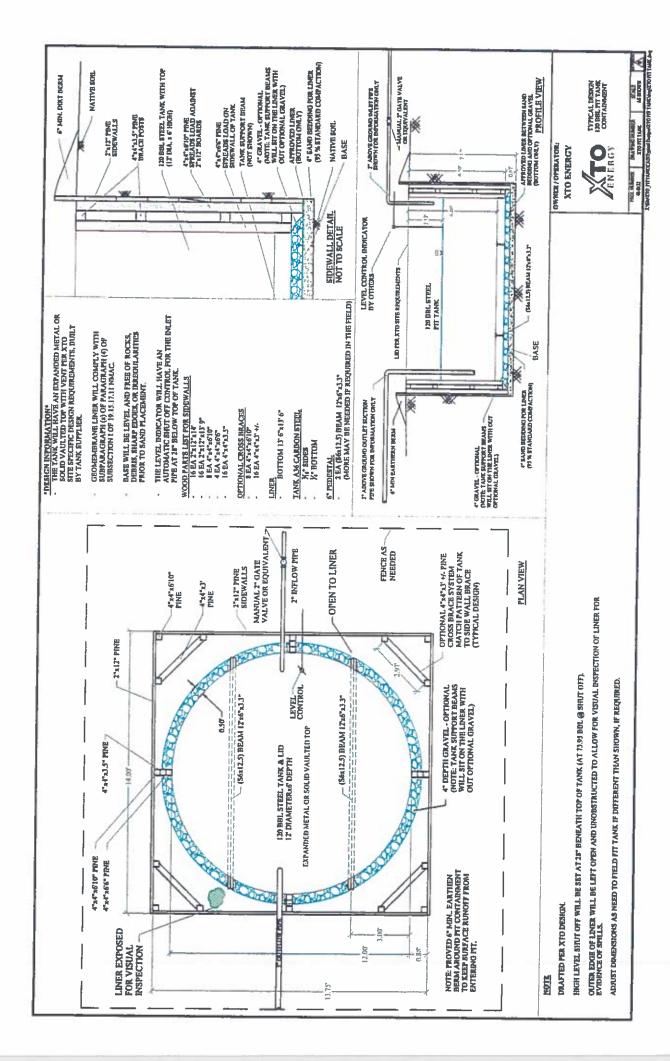
## General Plan

- 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 \( \frac{4}{3} \) 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).

- 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.
- 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.

		MONT	1LY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	INSPECTION	N FORM		
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Legals	Sec		Township:		Range:			
XTO Inspector's	Inspection	ے ا	Any visible liner	Any visible signs of	Collection of surface	Visible layer	Any visible signs	Freeboard
Name	Date	Time	tears (Y/N)	tank overflows (Y/N)	run on (Y/N)	of oil (Y/N)	of a tank leak (Y/N)	Est. (ft)
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## XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks

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

## General Plan

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- 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)
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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.

- 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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For Below-Grade Tanks
Page 3

- 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:
  - Proof of closure notice to division and surface owner;
  - it. 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.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 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 97220

## **QUESTIONS**

Operator:		OGRID:
HILCORP ENERG	Y COMPANY	372171
1111 Travis Street		Action Number:
Houston, TX 7700	2	97220
		Action Type:
		[C-144] Legacy Below Grade Tank Plan (C-144LB)

### QUESTIONS

Facility and Ground Water		
Please answer as many of these questions as possible in this group. More information will help us id	lentify the appropriate associations in the system.	
Facility or Site Name	RUBEN CANYON 1	
Facility ID (f#), if known	Not answered.	
Facility Type	Below Grade Tank - (BGT)	
Well Name, include well number	RUBEN CANYON 1	
Well API, if associated with a well	30-039-27678	
Pit / Tank Type	Not answered.	
Pit / Tank Name or Identifier	Not answered.	
Pit / Tank Opened Date, if known	Not answered.	
Pit / Tank Dimensions, Length (ft)	Not answered.	
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.	
Pit / Tank Dimensions, Depth (ft)	Not answered.	
Ground Water Depth (ft)	Not answered.	
Ground Water Impact	Not answered.	
Ground Water Quality (TDS)	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	Not answered.
Tank installed prior to June 18. 2008	Not answered.
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)	Not answered.

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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** (continued)

QUESTIONS, Page 2

Action 97220

Operator: HILCORP ENERGY COMPANY	OG	RID: 372171
1111 Travis Street	Act	ion Number:
Houston, TX 77002	7101	97220
115-5-10-1, 11-1-1-1	Act	ion Type:
		[C-144] Legacy Below Grade Tank Plan (C-144LB)
QUESTIONS		
Fencing		
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank	(S)	
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' steel mesh	
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 or so	lid vaulted top
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 compliand	e 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 of approval.	Not answered.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.	

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1220 S. St Francis Dr., Santa Fe, NM 8750 Phone: (505) 476-3470 Fax: (505) 476-346:

1111 Travis Street

Houston, TX 77002

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

QUESTIONS, Page 3

Action 97220

l5) 334-6178 Fax:(505) 334-6170 <u>V</u> t Francis Dr., Santa Fe, NM 87505 l5) 476-3470 Fax:(505) 476-3462	Santa Fe, NM 87505	
	QUESTIONS (continued)	
HILCORP ENERGY COMPANY	OGRID: 372171	

Action Number:

Action Type:

97220

[C-144] Legacy Below Grade Tank Plan (C-144LB)

## QUESTIONS

Operator:

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 or below-grade tank	Not answered.
NM Office of the State Engineer - iWATERS database search	Not answered.
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 mark)	No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No

Proposed Closure Method		
Below-grade Tank	Below Grade Tank - (BGT)	
Waste Excavation and Removal	Not answered.	
Alternate Closure Method. Please specify (Variance Required)	Not answered.	

Operator Application Certification	
Registered / Signature Date	11/24/2008

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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 97220

## **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97220
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### **ACKNOWLEDGMENTS**

$\overline{\checkmark}$	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.
$\overline{v}$	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 97220

## **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97220
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### CONDITIONS

Created By	Condition	Condition Date
swells	None	8/8/2022