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 Qil 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.

2008 DEC 12 PM 4 02

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
Legacy BGT1 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 or well name:JICARILLA APACHE # 10
API Number: OCD Permit Number:
U/L or Qtr/Qtr B Section 27 Township 26N Range 05W County: Rio Arriba
Center of Proposed Design: Latitude36.46208
Surface Owner: Federal 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 Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D 3.
Drying Pad Above Ground Steel Tanks Haul-off Bins Other
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
Liner Seams: Welded Factory Other
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Chain link, six feet in height, two strands of bainstitution or church)		
	rbed wire at top (Required if located within 1000 feet of a permanent residence, school	l, hospital,
Four foot height, four strands of barbed wire ev		
	rel mesh field fence (hogwire) with pipe top railing	
Netting: Subsection E of 19.15.17.11 NMAC (Ap)	oplies to permanent pits and permanent open top tanks)	
Screen Netting Other Expanded meta	al or solid vaulted top	
Monthly inspections (If netting or screening is	not physically feasible)	
igns: Subsection C of 19.15.17.11 NMAC		
12"x 24", 2" lettering, providing Operator's nar	me, site location, and emergency telephone numbers	
Signed in compliance with 19.15.3.103 NMAC	,	
Please check a box if one or more of the following Administrative approval(s): Requests must onsideration of approval.	y are required. Please refer to 19.15.17 NMAC for guidance. g is requested, if not leave blank: t be submitted to the appropriate division district or the Santa Fe Environmental Bureau to the Santa Fe Environmental Bureau office for consideration of approval.	u office for
naterial are provided below. Requests regarding ffice or may be considered an exception which n	empliance for each siting criteria below in the application. Recommendations of acc to changes to certain siting criteria may require administrative approval from the appi must be submitted to the Santa Fe Environmental Bureau office for consideration of Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dr	ropriate district approval.
	n of the temporary pit, permanent pit, or below-grade tank. ERS database search; USGS; Data obtained from nearby wells	⊠ Yes □ No
Vithin 300 feet of a continuously flowing waterco- ake (measured from the ordinary high-water mark - Topographic map; Visual inspection (certi-		☐ Yes ⊠ No
Vithin 300 feet from a permanent residence, school Applies to temporary, emergency, or cavitation pi Visual inspection (certification) of the prop		☐ Yes ☒ No
Vithin 1000 feet from a permanent residence, scho Applies to permanent pits) - Visual inspection (certification) of the projection	posed site: Aerial photo: Satellite image	☐ Yes ☐ No
Vithin 500 horizontal feet of a private, domestic fr	resh water well or spring that less than five households use for domestic or stock of any other fresh water well or spring, in existence at the time of initial application. ERS database search; Visual inspection (certification) of the proposed site	⊠ Yes □ No
	is a defined municipal frech water well field covered under a municipal ordinance	☐ Yes ⊠ No
 NM Office of the State Engineer - iWATE Vithin incorporated municipal boundaries or within dopted pursuant to NMSA 1978, Section 3-27-3, 		
 NM Office of the State Engineer - iWATE Vithin incorporated municipal boundaries or within dopted pursuant to NMSA 1978, Section 3-27-3, written confirmation or verification from the Within 500 feet of a wetland. 	as amended.	☐ Yes ⊠ No
 NM Office of the State Engineer - iWATE Vithin incorporated municipal boundaries or within dopted pursuant to NMSA 1978, Section 3-27-3, and written confirmation or verification from the Vithin 500 feet of a wetland. US Fish and Wildlife Wetland Identification of the united section of the united section. 	as amended. the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
NM Office of the State Engineer - iWATE Vithin incorporated municipal boundaries or within dopted pursuant to NMSA 1978, Section 3-27-3, and written confirmation or verification from the Vithin 500 feet of a wetland. US Fish and Wildlife Wetland Identification within the area overlying a subsurface mine. Written confirmation or verification or majorithm an unstable area.	as amended. the municipality; Written approval obtained from the municipality on map; Topographic map; Visual inspection (certification) of the proposed site	
NM Office of the State Engineer - iWATE Vithin incorporated municipal boundaries or within dopted pursuant to NMSA 1978, Section 3-27-3, and written confirmation or verification from the Vithin 500 feet of a wetland. US Fish and Wildlife Wetland Identification Vithin the area overlying a subsurface mine. Written confirmation or verification or major Within an unstable area. Engineering measures incorporated into the	as amended. the municipality; Written approval obtained from the municipality on map; Topographic map; Visual inspection (certification) of the proposed site up from the NM EMNRD-Mining and Mineral Division	☐ Yes 🖾 N

2			
In. Temporary Pits, Emergency Pits, and Below-g Instructions: Each of the following items must attached. Hydrogeologic Report (Below-grade Tanks) Hydrogeologic Data (Temporary and Emerging Siting Criteria Compliance Demonstrations) Design Plan - based upon the appropriate re Operating and Maintenance Plan - based up Closure Plan (Please complete Boxes 14 thr and 19.15.17.13 NMAC	be attached to the application - based upon the requirement gency Pits) - based upon the - based upon the appropriate quirements of 19.15.17.11 Non the appropriate requirement rough 18, if applicable) - base	en. Please indicate, by a check rents of Paragraph (4) of Subsection requirements of Paragraph (2) of the requirements of 19.15.17.10 NI IMAC ents of 19.15.17.12 NMAC ents of 19.15.17.12 nmac ed upon the appropriate requirements.	on B of 19.15.17.9 NMAC f Subsection B of 19.15.17.9 NMAC MAC ments of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (attach copy of	design) API Number:	or Per	rmit Number:
12. Closed-loop Systems Permit Application Attact Instructions: Each of the following items must be attached. Geologic and Hydrogeologic Data (only for Siting Criteria Compliance Demonstrations Design Plan - based upon the appropriate reaction of Closure Plan (Please complete Boxes 14 th and 19.15.17.13 NMAC Previously Approved Design (attach copy of the complete Boxes 14 th and 19.15.17.13 NMAC	to attached to the application on-site closure) - based upon the control of control of the control of the control of the appropriate requirements of 19.15.17.11 is control of the appropriate requirements of 18, if applicable) - based on the appropriate requirements of 18, if applicable of the control of t	on. Please indicate, by a check of the requirements of Paragraph based upon the appropriate requinities of 19.15.17.12 NMAC ents of 19.15.17.12 NMAC sed upon the appropriate requires	n (3) of Subsection B of 19.15.17.9 rements of 19.15.17.10 NMAC
Previously Approved Operating and Maintena			pues only to closed-loop system that use
above ground steel tanks or haul-off bins and pro	pose to implement waste ren	ioval for closure)	
Permanent Pits Permit Application Checklist: Instructions: Each of the following items must be attached. Hydrogeologic Report - based upon the requirement of Siting Criteria Compliance Demonstrations Climatological Factors Assessment Certified Engineering Design Plans - based Dike Protection and Structural Integrity De Leak Detection Design - based upon the ap Liner Specifications and Compatibility Ass Quality Control/Quality Assurance Constrution Operating and Maintenance Plan - based upon Treeboard and Overtopping Prevention Plan Nuisance or Hazardous Odors, including Hemergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate response Plan	uirements of Paragraph (1) of a based upon the appropriate requiresign - based upon the appropriate requiresign - based upon the appropriate requirements of 19 essment - based upon the appropriate requirements of 19 essment - based upon the appropriate requirements on the appropriate requirements of 19 essment - based upon the appropriate requirements - based upon the appropriate	of Subsection B of 19.15.17.9 Note requirements of 19.15.17.10 Notements of 19.15.17.11 NMAC prize requirements of 19.15.17.1 NMAC propriate requirements of 19.15.17.11 nmac propriate propriate requirements of 19.15.17.11 nmac propriate pr	MAC MAC I NMAC I7.11 NMAC NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable box	ses, Boxes 14 through 18, in	regards to the proposed closur	e plan.
Type: Drilling Workover Emergency Alternative Proposed Closure Method: Waste Excavation Waste Removal (On-site Closure M	Cavitation P&A and Removal Closed-loop systems only) fethod (Only for temporary ce Burial On-site Treno	Permanent Pit Below-grad	de Tank Closed-loop System
Waste Excavation and Removal Closure Plan Closure plan. Please indicate, by a check mark is ☐ Protocols and Procedures - based upon the ☐ Confirmation Sampling Plan (if applicable) ☐ Disposal Facility Name and Permit Number ☐ Soil Backfill and Cover Design Specification ☐ Re-vegetation Plan - based upon the approp	a the box, that the document appropriate requirements of based upon the appropriate (for liquids, drilling fluids of the based upon the appropriate requirements of Subsect	ts are attached. 19.15.17.13 NMAC requirements of Subsection Found drill cuttings) interrequirements of Subsection into I of 19.15.17.13 NMAC	of 19.15.17.13 NMAC H of 19.15.17.13 NMAC
Form C-144	Oil Conserva	tion Division	Page 3 of 5

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if macilities are required. Disposal Facility Name: Disposal Facility Permit Number: Disposal Facility Permit Number: Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service. In Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC. Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC. Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC.	ice and operations?			
Disposal Facility Name: Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service. 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 H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	ce material are			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service. 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 H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	ce material are			
☐ 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 H of 19.15.17.13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	ce material are ict office or may be			
☐ 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 17.	ce material are ict office or may be			
	ict office or may be			
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source plan. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source plan. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions of acceptable source provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate districtions are considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justification of approval from the acceptable plantage and acceptable plantage acceptable plantage and acceptable plantage acceptable p				
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA			
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA			
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No			
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. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 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 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection I 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

Operator Application Certification:	M
I hereby certify that the information submitted with this application is true, acc	curate and complete to the best of my knowledge and belief.
Name (Print): Kim Champlin	Title: Environmental Representative
Signature: Kim Champlin	Deta: 11 2 5-09
e-mail address: kim_champlin@xtoenergy.com	Date: 11-25-08
e-mail address. Kill champhing/xtoenergy.com	Telephone: (505) 333-3100
OCD Approval: Permit Application (including closure plan) Closure	Plan (only) OCD Conditions (see attachment)
- / /	Approval Date: <u>08/08/2022</u>
Title: Environmental Specialist-A	OCD Permit Number: Legacy BGT1
21. <u>Closure Report (required within 60 days of closure completion)</u> : Subsections: Operators are required to obtain an approved closure plan prior The closure report is required to be submitted to the division within 60 days a section of the form until an approved closure plan has been obtained and the	or to implementing any closure activities and submitting the closure report. of the completion of the closure activities. Please do not complete this closure activities have been completed.
	Closure Completion Date:
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alte If different from approved plan, please explain.	rnative Closure Method Waste Removal (Closed-loop systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loop Syste Instructions: Please indentify the facility or facilities for where the liquids, a two facilities were utilized.	frilling fluids and drill cuttings were disposed. Use attachment if more than
Disposal Facility Name:	
Disposal Facility Name:	
Were the closed-loop system operations and associated activities performed on Yes (If yes, please demonstrate compliance to the items below) No	
Required for impacted areas which will not be used for future service and oper Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ations:
24. Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	
25. Operator Closure Certification:	-
hereby certify that the information and attachments submitted with this closure belief. I also certify that the closure complies with all applicable closure requirements. Name (Print):	rements and conditions specified in the approved closure plan.
Signature:	Date:
e-mail address:	
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å	

Form C-144

MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

MARATHON OIL C		Lea	ISE		Well No.
THAIR HIGH VIL V	OMPANY	l l	<u>Icarilla</u> Apad	the	10
Unit Letter Sect	ion Township		Range	County	10
B. 🦸	27 i 26 No	<u>r</u> th	5 West	* Rio Arriba	
Actual Footage Location	of Well:				
1100	of from the North	line and [5	50 fee	t from the East	line
Ground Level Elev.	Producing Formation	Pool	Maria de la companya		Dedicated Avereage:
G525	Dakota	1	Basin-Da	kota	320 Acres
i. Outline the acer	age dedicated to the sub	piect well by colore	d pencil or hoch	re marks on the plat by	Nou.
2. If more than on interest and royalty	ne lease is dedicated to),	the well, outline	each and identif	y the ownership there	of (both as to working
3. If more than on by communitization () Yes (X) N	, unitization, force-poo	nership is dedicate ling. etc? 'yes," type of cons			owners been consolidated
If answer is "no," li necessary.)Ma	st the owners and tract	t descriptions which	h have actually	consolidated. (Use rev	erse side of this form if
No allowable will be pooling, or otherwise	assigned to the well une) or until a non standa	til all interests hav rd unit, eliminatini	ve been consolide g such interest	de thy communitization by	tion, unitization, forced- the Commission.
* & *			OCT		TIFICATION fy that the information contain nd complete to the best of s
		1100	OIL	DIST. Anowinds and be	nd complete to the best of i
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3 9	+	+	i -	Company	011 Company 24, 1966
3 2			1		
5 % 7 %	Sec. 27		1	October 2 Date I hereby certification	y that the well location shows
	Sec. 27		N	October 2 Date I hereby certif this plat was play surveys made by	y that the well location shows of the from field notes of acts me or under my supervision, a true and correct to the best of s
	Sec. 27		+ N	October 2 Date I hereby certif this plot was ple surveys made by that the same is knowledge and be	y that the well location shown of the from field notes of actume or under my supervision, as true and correct to the best of melief.
	Sec. 27		+ N	October Source Date I hereby certifithis plot was plus surveys made by that the same is a knowledge and be	y that the well location shows of octume or under my supervision, as true and correct to the best of melief.

Received by OCD: 4/12/2022 9:19:25 AM

Lodestar Services P0 Box 4465, Durange	•	Pit Permit Siting Criteria Information She		Cilent: Project: Revised: Prepared by:	Pit Permits 10/15/2008
APi#:	3003908120			USPLSS:	T26N,R5W,27B
Name:	JICARILLA APACHE #10			Lat/Long:	36.46208 / -107.34201
Depth to groundwater:	<50'			Geologic formation:	l 6 1 E # #
Distance to ciosest continuously flowing watercourse:	32.2 mile	es north west to the San Juan River			
Distance to ciosest significant watercourse, lakebed, playa lake, or sinkhole:		orth of Tapicito Creek			
				Soii Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'		No			
				Annuar Precipitation:	10.88" Lybrook, NM
Domestic fresh water well or spring within 500'		No	A VIII	Precipitation Notes:	7.19" largest daily rainfall on record
Any other fresh water weii or spring within 1000'		orth of Tapicito Creek			
Within incorporated				Attached	
municipal boundaries		No		Documents:	
Within defined municipal fresh water well field		No			Topo map, ground water data map, ariel photo, mines and quarries map,
Wetiand within 500'		No		Mining Activity:	No
Within unstable area		No			
Within 100 year flood plain	No, F	EMA data available			
Additional Notes:					

Jicarilla Apachie #10 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 San Juan Basin on the Jicarilla Apachie Indian Reservation near Tapicito Creek. 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 well 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 rock lands and aridisols. which are defined as soils that exhibit little to no any profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arrovos. 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.

Dry and arid weather further prohibit active recharge. The climate of the region 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).

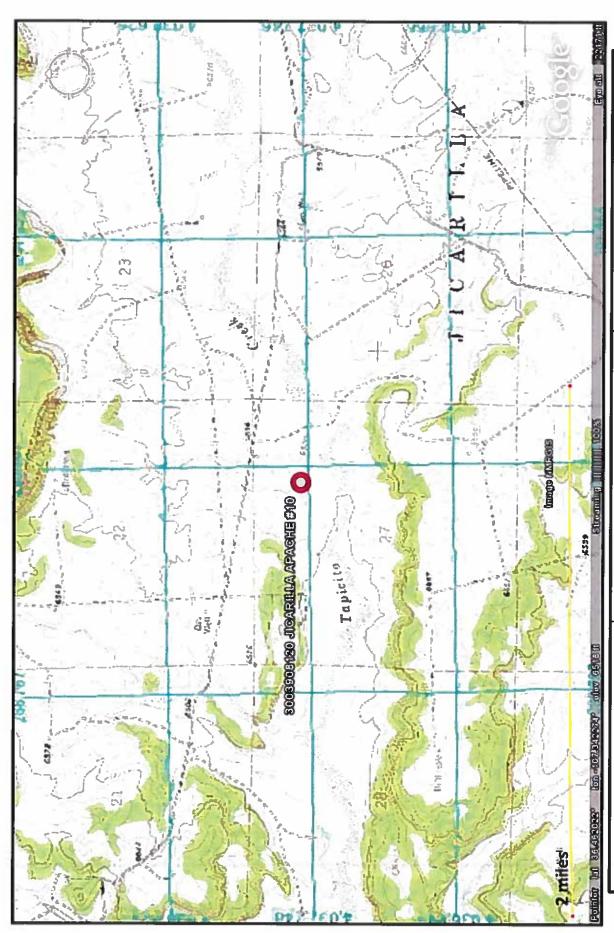
Released to Imaging: 8/8/2022 2:01:30 PM

Site Specific Hydrogeology

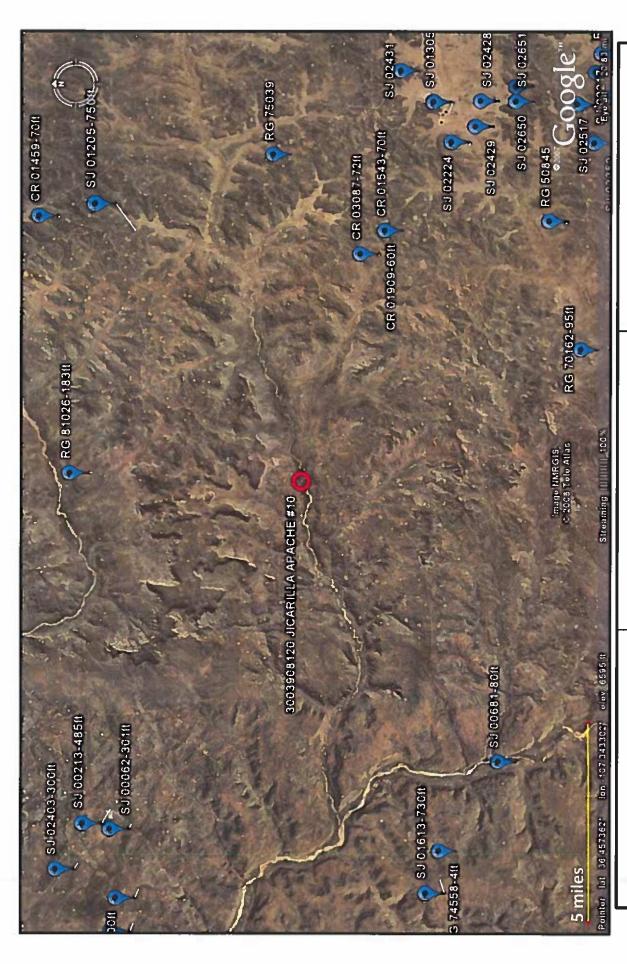
Depth to groundwater is estimated to be less than 50 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone, and 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 within a slightly vegetative bank of Tapicito Creek at an elevation of approximately 6500 feet. This region is deeply incised by canyons, washes, gullies and arroyos, with Tacipito Creek being 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 Tapicito Creek and within the surrounding tributary systems. An elevation difference between the site and the base of Tapicito Creek of barley ten feet suggests groundwater at the proposed site is not considerably deep.

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. Water drops show locations of wells and the labels for each water drop indicate depth to groundwater in feet. The nearest water well is approximately six miles to the north and sits approximately at the same elevation, but does not accurately represent this site. Therefore, the proximity to Tapicito Creek is used to estimate groundwater to be less than 50 feet deep at the proposed location.



TOPOGRAPHIC MAP JICARILLA APACHE #10 RIO ARRIBA, NM T26N,R5W,27B Lodestar Services, Inc Durango, CO 81302 PO Box 4465



Мар JICARILLA APACHE #10 RIO ARRIBA, NM T26N,R5W,27B Lodestar Services, Inc Durango, CO 81302 PO Box 4465

i-Waters Ground Water Data

	Feet)	Avg	
	Water in	Min Max	135
8((Depth	Min	135
10/01/200		Wells	FI
EPORT		¥	
WATER		×	
2 DEPTH OF WATER B		Zone	
GE		Sec	26
AVERAGE		Rng Sec	04W
		Tws	25N
		Bsn	RG

Feet)	Avg	200	80
ter in	Max	500	80
(Depth	Min	500	80
	Wells	r-f	Н
	Ħ		
	×		
	Zone		
	Sec	03	21
	Rng	OEW	0.6W
	Tws	25N	25N
	Bsn	a ال	ю Гэ

	Water in	Max	750
6	(Depth Water	Min	750
0/04/200		Wells	1
OF WATER REPORT 10/04/2008		X	
WATER		×	
AVERAGE DEPTH OF		Zone	
9		Sec	34
AVERA		Rng	27N 04W 34
		Bsn	33

Avg 750

Feet)

/2008
04
10/
REPORT
WATER
OF
DEPTH
AVERAGE

reet)	Avg	186	260
Water in	Max	186	260 260
(nebtr	Min	186	260
	Wells	1	1
	Ħ		
	×		
	Zone		
	Sec	1 27	04
	Rng	05%	0574
	TWB	27N	27N
	Bsn	RG	30

Record Count: 2

	Feet)	Avg	41	300	362
	Water in	Max	41	300	485
8	(Depth	Min	41	300	301
09/30/2000		Wells	Н	H	ന
REPORT		×			
WATER		×			
DEPTH OF		Zone			
		Sec	07	30	(1) (2)
AVERAGE		Rng	0 6W	0.6W	0.6W
		Tws	27N	27N	27N
		Bsn	ಚಿರ	B U	зд

New Mexico Office of the State Engineer POD Reports and Downloads

Feet)	Avg	125	165	18	245	265	225	56	850	75	127	110	650	100	110	30	73
Water in	Max	125	165	18	245	265	225	56	850	75	160	110	650	100	110	30	75
(Depth	Min	125	165	18	245	265	225	56	850	75	96	110	650	100	110	30	7.0
	Wells	H	 1	런	еl	 (⊣	ᆔ	¢1	러	ന	ᆔ	61	¢1	ਜ਼	۲H	c ₁
	Y																
	×																
	Zone																
	Sec	24	33	36	0.1	08	13	18	22	23	25	26	27	დ დ	33	35	36
	Rng	0.3W	0.3W	0.3W	03W	03W	03W	0314	Ū3W	03W	03W	03W	03W	031	0314	03W	0374
	Tws	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N	25N
	Bsn	RG	RG	RG	9	g L	ته درا	מ	g G	B D	аq	3.J	8 D	ജപ	മപ	ھ ر	ه در

2008
10/01
REPORT
WATER
OF
DEPTH
AVERAGE

(Depth Water in Feet) Rng Sec Zone X Y Wells Min Max Avg 04W 26 135 135			
Rng Sec Zone X Y Wells Min May 04W 26 135 135		Avg	135
Rng Sec Zone X Y Wells Min 04W 26 1 135	Water in	Max	135
Rng Sec Zone X Y Y 04W 26	(Depth	Min	135
Rng Sec		Wells	H
Rng Sec		¥	
Rng Sec		×	
Rng 04W		Zone	
		Sec	26
		Rng	04W
Tws 25N		Tws	25N

Bsn RG

	Feet)	Avg	200	80
	Water in	Max	500	80
80	(Depth	Min	200	80
09/30/2008		Wells	1	П
WATER REPORT		¥		
WATER		×		
DEPTH OF		Zone		
		Sec	03	21
AVERAGE		Rng	06W	0 6W
		Tws	25N	25N
		Bsn	8 D	s D

	Feet)	Avg	730
	(Depth Water in	Max	730
80	(Depth	Min	730
09/30/5008		Wells	П
I OF WATER REPORT (Ħ	
WATER		×	
DEPTH OF		Zone	
/GE		Sea	정
AVERAGE		Rng	
		Tws	25N
		Bsn	s D

		AVER	AGE I	WERAGE DEPTH OF	WATER	WATER REPORT (09/30/2008	90		
								(Depth	Water in	reet)
Bsn	Tws	Rng	Sea	Zone	×	Ħ	Wells	Min		Avg
9 D	26N	MLO					Н	400	400	400
а С	26N	0.70	0.5				1	18	18	18
B G	26N	07W					61	C1 C1	26	C1 4.
i D	26N	0.710					Н	180	180	180

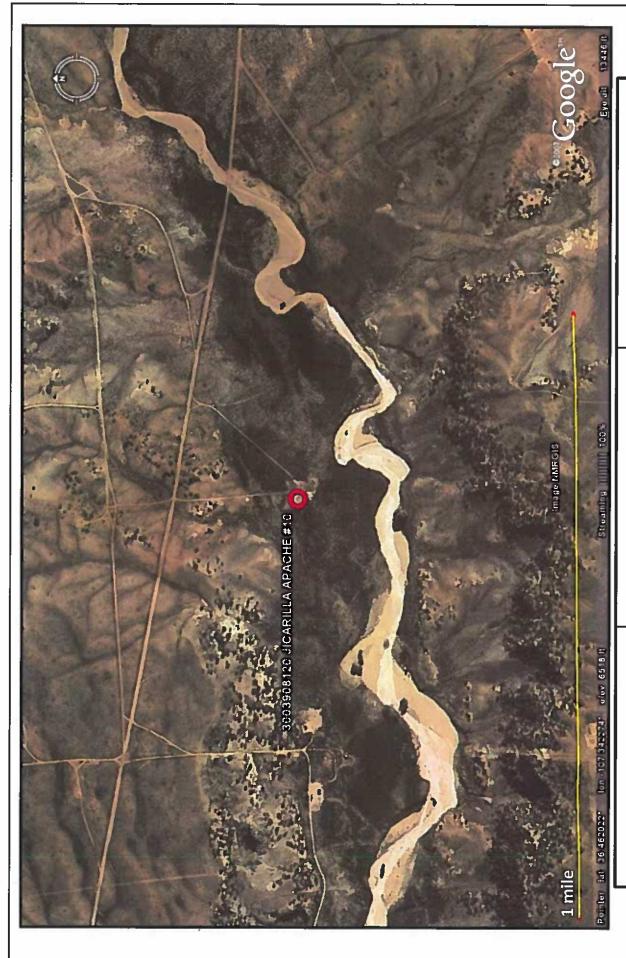
Peet)	Avg	750
- 4	Max	
(Depth	Min	750
	r Wells	-
	×	
	Zone	
	Sec	34
	Rng	04W
	Tws	27N
	Bsn	3,7

There	Day.	200	20mg	*	>	מונשא	Min	Max	AVG
27N	05W	27		4	4	1	186	186	186
NL:	05%	04				1	260	260	260

Record Count: 2

	Feet)	Avg	41	300	362
	Water in	Max		300	
80	(Depth	Min	41	300	301
09/30/2008		Wells	н	Н	ო
REPORT		¥			
WATER		×			
DEPTH OF		Zone			
		Sec	07	30	32
AVERAGE			OEW	0 6W	0614
		TWB	27N	27N	27N
		Bsn	ته را	B D	B G

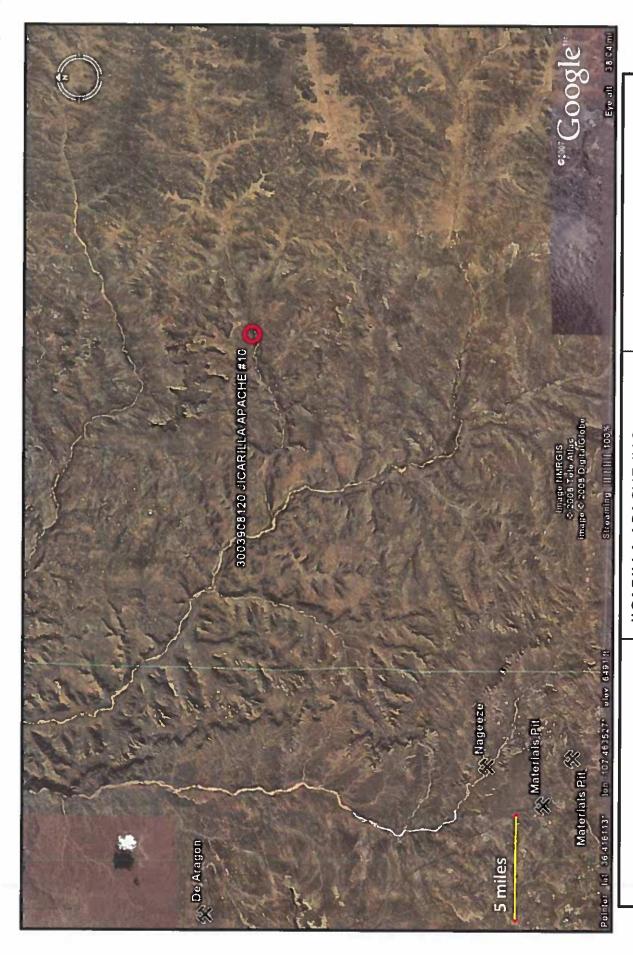
	Feet)	Avg	465	200	320	300	250
	Water in	Max	465	200	320	300	250
8	(Depth	Min	465	200	320	300	250
9/30/200		Wells	러	러	러	гH	el
T O		×					
REPOR							
WATER		×					
VERAGE DEPTH OF WATER REPORT 09/30/2008		Zone					
GE		Sea	35	15	17	21	35
AVERA		Rng	07W	0.7W		07W	
		TWS	27N	27N	27N	27N	27M
		Bsn	RG	s D	8.J	9.	ھ را



AERIAL PHOTOGRAPH

Lodestar Services, Inc PO Box 4465 Durango, CO 81302

JICARILLA APACHE #10 T26N,R5W,27B RIO ARRIBA, NM



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Mines and Quarries Map

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

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

General Plan

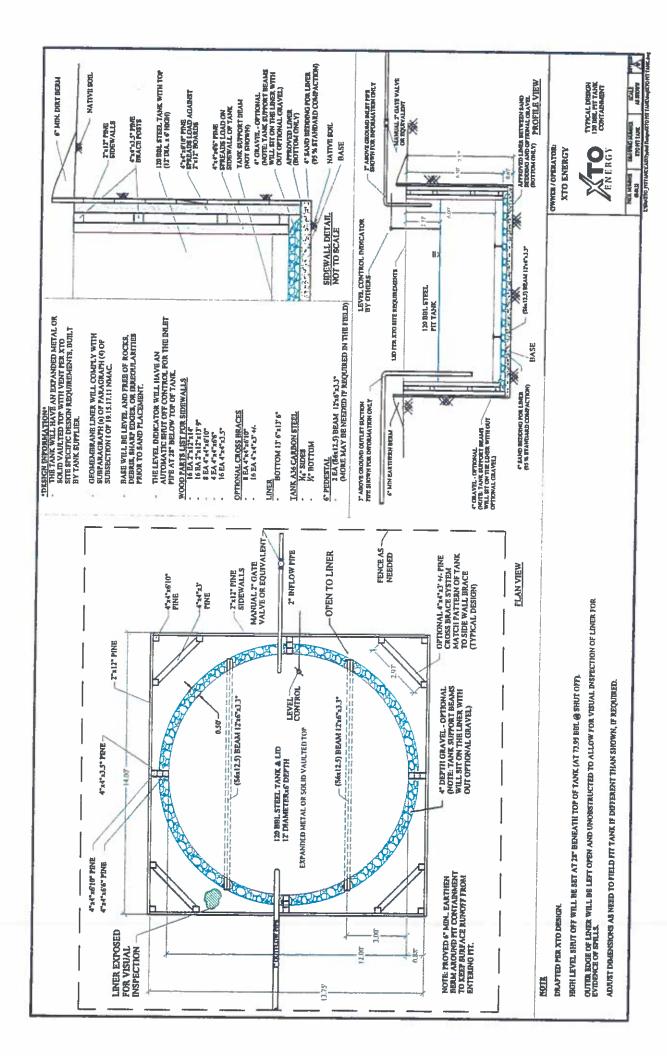
- XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the existing well site operated by XTO where the existing below-grade 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 ½ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000" of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 4. XTO shall construct below-grade tanks with an expanded metal covering or solid vaulted top on the top of the below-grade tank.
- 5. XTO will ensure that below-grade tanks are constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight. Tanks will be constructed of A36 carbon steel with 3/16" sides and 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).

- 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.

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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.
 - 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,

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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.

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Legals XTO Inspector's Name Notes:		THLY BELO Township: Any visible liner tears (Y/N) ription:	MONTHLY BELOW GRADE TANK INSPECTION FORM API No.: Township: Range: Surface Visible fayer	Range: 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)

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.
- 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.
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.

- 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, earther material; construct a division prescribed soil cover; recontour and re-vegetate the site.
- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
 - i. Operator's name
 - ii. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, and Range

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

- 11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area.

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

XTO Energy Inc.
San Juan Basin (Northwest New Mexico)
General Closure 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:
 - 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.
 - Disposal facility name(s) and permit number(s),
 - vi. Soil backfilling and cover installation.
 - 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 97720

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97720
	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	JICARILLA APACHE 10
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	JICARILLA APACHE 10
Well API, if associated with a well	30-039-08120
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	97720

Operator: HILCORP ENERGY COMPANY	OGRID:
1111 Travis Street	372171 Action Number:
Houston, TX 77002	97720
	Action 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	rs)
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 (Veriance Required)	All about an early
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 solid vaulted top
	Superior motal of conditional 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 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
·	<u> </u>
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	Not answered.
consideration of approval	

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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 3

Action 97720

QUESTIC	ONS (continued)
Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston TX 77002	07720

Houston, TX 77002 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 Not answered. NM Office of the State Engineer - iWATERS database search Not answered. 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	Not answered.
Alternate Closure Method. Please specify (Variance Required)	Not answered.

Operator Application Certification	
Registered / Signature Date	11/25/2008

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ACKNOWLEDGMENTS

Action 97720

ACKNOWLEDGMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97720
	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.

District I
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**

CONDITIONS

Action 97720

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Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
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Houston, TX 77002	97720
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	[C-144] Legacy Below Grade Tank Plan (C-144LB)

CONDITIONS

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