Form C-144 July 21, 2008

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

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa De Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

	Pit, Closed-Loop System, Below-Grade Tank, or
	Proposed Alternative Method Permit or Closure Plan Application
	Type of action:  Existing BGT  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
	Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
P	lease 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 nvironment. 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
l	Address: #382 County Road 3100, Aztec, NM 87410
l	Facility or well name:MCPHEE GAS COM #1
	API Number: 30-045-29296 OCD Permit Number:
ĺ	U/L or Qtr/QtrF_ Section01Township30NRange12WCounty:San Juan
	Center of Proposed Design: Latitude 36.84378 Longitude 108.05277 NAD: ☐1927 ☐ 1983
l	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
	Closed-loop System: Subsection H of 19.15.17.11 NMAC   Type of Operation:
	4.
2 9:03:18 AM	✓ Below-grade tank:       Subsection I of 19.15.17.11 NMAC         Volume:       120       bbl Type of fluid:       Produced Water         Tank Construction material:       Steel         ☐ Secondary containment with leak detection       Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off         ☐ Visible sidewalls and liner       Visible sidewalls only       Other
	Liner type: Thicknessmil

Alternative Method:

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

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school institution or church)	l, hospital,
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.	W
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☒ Other Expanded metal or solid vaulted top	
Monthly inspections (If netting or screening is not physically feasible)	
8. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☑ Signed in compliance with 19.15.3.103 NMAC	
9.	· <del></del> ·
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 Burea	u office for
consideration of approval.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
10. 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 acc material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the app office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of	ropriate district approval.
Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drabove-grade tanks associated with a closed-loop system.	ying pads or
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☑ Ne
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes N
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 ⊠ N
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes 🏻 💆
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes 🛛
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division  Within an unstable area 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	Yes Yes Young of possele
Within a 100-year floodplain FEMA map	☐ Yes ☑ N
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	2
Form C-144 Oil Conservation Division Page 2 of	15
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is. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the				
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.10 NMAC   Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC   Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC   Design Plan	Temporary Pits, Emergency Pits, and Below-gras Instructions: Each of the following items must be attached.  ☐ Hydrogeologic Report (Below-grade Tanks) ☐ Hydrogeologic Data (Temporary and Emerge) ☐ Siting Criteria Compliance Demonstrations - ☐ Design Plan - based upon the appropriate req ☐ Operating and Maintenance Plan - based upon ☐ Closure Plan (Please complete Boxes 14 thro	- based upon the requirements of Paragency Pits) - based upon the requirement based upon the appropriate requirement uirements of 19.15.17.11 NMAC in the appropriate requirements of 19.15.	raph (4) of Subsection B of 19.15. s of Paragraph (2) of Subsection B ts of 19.15.17.10 NMAC	x, that the documents are 17.9 NMAC of 19.15.17.9 NMAC
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC   Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.19 NMAC   Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC   Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC   Departing and Maintenance Plan - based upon the appropriate requirements of 19.15.17.13 NMAC   Deviciously Approved Design (attach copy of design)   API Number:   (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)   Deviciously Approved Operating and Maintenance Plan   API Number:   (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)   Deviciously Approved Design (attach copy of design)   API Number:   (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)   Deviciously Approved Design of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC   Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Hydrogeologic Report - based upon the appropriate requirements of 19.15.17.10 NMAC   Instructions and proposed upon the appropriate requirements of 19.15.17.10 NMAC   Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Design - based upon the appropr	☐ Previously Approved Design (attach copy of de	esign) API Number:	or Permit Number:	
Ciosure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC   Previously Approved Design (attach copy of design)   API Number:	Closed-loop Systems Permit Application Attach: 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 recompliance Plan - based u	on-site closure) - based upon the required (only for on-site closure) - based upon the requirements of 19.15.17.11 NMAC on the appropriate requirements of 19.1.	ements of Paragraph (3) of Subsection appropriate requirements of 19.5.17.12 NMAC	tion B of 19.15.17.9 .15.17.10 NMAC
Previously Approved Operating and Maintenance Plan	Closure Plan (Please complete Boxes 14 thro	ough 18, if applicable) - based upon the	appropriate requirements of Subs	section C of 19.15.17.9 NMAC
13.   Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC   Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.   Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC   Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC   Climatological Factors Assessment   Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC   Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC   Quality Control/Quality Assurance Construction and Installation Plan   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC   Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan   Dil Field Waste Stream Characterization   Monitoring and Inspancetion Plan   Dil Field Waste Stream Characterization   Monitoring and Inspection Plan   Erosion Control Plan   Waste Excavation and Removal   Permanent Pit   Below-grade Tank   Closed-loop System   In-place Burial   On-site Trench Burial   On-site Plan Necklist: (19.15.17.13 NMAC)   NMAC   NMAC   Dura Plan Petase Indicate, by a check mark in the box, that the docum		<del>-</del>		
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please Indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.10 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Cilmatological Factors Assessment  Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Preeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan  Emergency Response Plan  Oil Field Waste Stream Characterization  Monitoring and Inspection Plan  Erosion Control Plan  Closure Plan - based upon the appropriate requirements of 19.15.17.19 NMAC and 19.15.17.13 NMAC   14.  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System  Alternative  Proposed Closure Method: Waste Excavation and Removal  Waste Excavation and Removal Closure Method (Only for temporary pits and closed-loop systems)  In-place Burial On-site Trench Burial  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)  18.  Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the Closure plan. Please Indicate, by a check mark in the box, that the documents are attached.				losed-loop system that use
Permanent Pits Permit Anplication Checklists: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please Indicate, by a check mark in the box, that the documents are attached.    Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC   Sting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC   Climatological Factors Assessment   Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC   Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC   Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC   Quality Control/Quality Assurance Construction and Installation Plan   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC   Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan   appropriate requirements of 19.15.17.11 NMAC   Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan   Emergency Response Plan   Brosion Control Plan     Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC    Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.     Type:   Drilling   Workover   Emergency   Cavitation   P&A   Permanent Pit   Below-grade Tank   Closed-loop System   In-place Burial   On-site Closure Method (Only for temporary pits and closed-loop systems)   In-place Burial   On-site Trench Bu	above ground steel tanks or haul-off bins and prop	ose to implement waste removal for clo	sure)	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative  Proposed Closure Method: Waste Excavation and Removal  Waste Removal (Closed-loop systems only)  On-site Closure Method (Only for temporary pits and closed-loop systems)  In-place Burial On-site Trench Burial  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)  Material Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)  St.  Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.	Hydrogeologic Report - based upon the requestions of Climatological Factors Assessment Certified Engineering Design Plans - based upon the app Dike Protection and Structural Integrity Design Leak Detection Design - based upon the app Liner Specifications and Compatibility Asse Quality Control/Quality Assurance Construction Operating and Maintenance Plan - based upon Freeboard and Overtopping Prevention Plan Nuisance or Hazardous Odors, including H2 Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate response Plan	airements of Paragraph (1) of Subsectio - based upon the appropriate requirements of 19 ign - based upon the appropriate requirements of 19.15.17.11 Nessment - based upon the appropriate rection and Installation Plan on the appropriate requirements of 19.15.17.11 Nessment - based upon the appropriate rection and Installation Plan on the appropriate requirements of 19.15.15.15.15.15.15.15.15.15.15.15.15.15.	n B of 19.15.17.9 NMAC nts of 19.15.17.10 NMAC 9.15.17.11 NMAC ements of 19.15.17.11 NMAC MAC quirements of 19.15.17.11 NMAC 5.17.12 NMAC ents of 19.15.17.11 NMAC	
Alternative  Proposed Closure Method: Waste Excavation and Removal  Waste Removal (Closed-loop systems only)  On-site Closure Method (Only for temporary pits and closed-loop systems)  In-place Burial On-site Trench Burial  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)  Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)  Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.	<u>Proposed Closure</u> : 19.15.17.13 NMAC  Instructions: Please complete the applicable box			Closed-loon System
15. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.	☐ Alternative Proposed Closure Method: ☐ Waste Excavation ☐ Waste Removal ( ☐ On-site Closure M ☐ In-plac ☐ Alternative Closur	and Removal Closed-loop systems only) lethod (Only for temporary pits and clo- ce Burial  On-site Trench Burial	sed-loop systems)	Bureau for consideration)
Form C-144 Oil Conservation Division Page 3 of 5	Waste Excavation and Removal Closure Plan C closure plan. Please indicate, by a check mark in	a the box, that the documents are attace appropriate requirements of 19.15.17.13 - based upon the appropriate requirement (for liquids, drilling fluids and drill curents of based upon the appropriate requirements of Subsection I of 19	hed. NMAC nts of Subsection F of 19.15.17.13 ttings) ments of Subsection H of 19.15.17.	ns must be attached to the S NMAC .13 NMAC
	Form C-144	Oil Conservation Division	on	Released to Land 10 Eagle 10 Land 10 L

16.		DARAGE.
Waste Removal Closure For Closed-loop Systems That Utilize Al Instructions: Please indentify the facility or facilities for the disposfacilities are required.	sal of liquids, drilling fluids and drill cuttings. Use attachment if	more than two
Disposal Facility Name:		<del></del> '
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associate  ☐ Yes (If yes, please provide the information below) ☐ No	ed activities occur on or in areas that will not be used for future ser	vice and operation
Required for impacted areas which will not be used for future service.  Soil Backfill and Cover Design Specifications based upon to Re-vegetation Plan - based upon the appropriate requirements.  Site Reclamation Plan - based upon the appropriate requirements.	the appropriate requirements of Subsection H of 19.15.17.13 NMA of Subsection I of 19.15.17.13 NMAC	С
17.  Siting Criteria (regarding on-site closure methods only): 19.15.1  Instructions: Each siting criteria requires a demonstration of comprovided below. Requests regarding changes to certain siting criter considered an exception which must be submitted to the Santa Fe I demonstrations of equivalency are required. Please refer to 19.15.	pliance in the closure plan. Recommendations of acceptable sou ria may require administrative approval from the appropriate dist Environmental Bureau office for consideration of approval. Just	trict office or may
Ground water is less than 50 feet below the bottom of the buried was - NM Office of the State Engineer - iWATERS database searce	ste. h; USGS; Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the bu - NM Office of the State Engineer - iWATERS database searce	aried waste h; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried v - NM Office of the State Engineer - iWATERS database search	waste. ch; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet o lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the pro-		Yes No
Within 300 feet from a permanent residence, school, hospital, institu - Visual inspection (certification) of the proposed site; Aerial	ntion, or church in existence at the time of initial application.  photo; Satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or watering purposes, or within 1000 horizontal feet of any other fresh - NM Office of the State Engineer - iWATERS database; Visu	water well or spring, in existence at the time of initial application.	Yes No
Within incorporated municipal boundaries or within a defined municadopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality;		Yes No
Within 500 feet of a wetland.	ohic 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 El	MNRD-Mining and Mineral Division	Yes No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bur Society; Topographic map</li> </ul>	reau of Geology & Mineral Resources; USGS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map		Yes No
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instruction	ns. Each of the following items must be attached to the closure o	lan. Please indic
by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the state of the s	appropriate requirements of 19.15.17.10 NMAC requirements of Subsection F of 19.15.17.13 NMAC	
☐ Protocols and Procedures - based upon the appropriate require ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate require ☐ Waste Material Sampling Plan - based upon the appropriate re	ements of 19.15.17.13 NMAC appropriate requirements of Subsection F of 19.15.17.13 NMAC equirements of Subsection F of 19.15.17.13 NMAC ing fluids and drill cuttings or in case on-site closure standards can of Subsection H of 19.15.17.13 NMAC s of Subsection I of 19.15.17.13 NMAC	
Form C-144 Oil	1 Conservation Division Page 4	of 5

Operator Application Certification:  I hereby certify that the information submitted with this application is true, accur  Name (Print):	Title:	Environmental Representative
Name (Print): Kim Champlin  Signature: kim Champlin@xtoenergy.com	Title:	Environmental Representative
Signature: Kim Wanglan e-mail address: kim champlin@xtoenergy.com	Date:	
e-mail address: kim_champlin@xtoenergy.com		
e-mail address: kim_champlin@xtoenergy.com	Telephone:	11/18/0g
OCD Approval: X Permit Application (including closure plan) Closure P		(505) 333-3100
_	lan (only) 🔲 OCD	Conditions (see attachment)
OCD Representative Signature: <u>Jaclyn Burdine</u>		Approval Date: 08/19/2022
Title: Environmental Specialist-A	OCD Permit Num	
21.  Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior the closure report is required to be submitted to the division within 60 days of the section of the form until an approved closure plan has been obtained and the cl	to implementing any the completion of the	closure activities and submitting the closure report closure activities. Please do not complete this
	☐ Closure Com	npletion Date:
Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternate If different from approved plan, please explain.	ative Closure Method	i  Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Systems Instructions: Please indentify the facility or facilities for where the liquids, drift two facilities were utilized.	lling fluids and drill	cuttings were disposed. Use attachment if more tha
Disposal Facility Name:	•	Permit Number:
Disposal Facility Name:	•	Permit Number:
Were the closed-loop system operations and associated activities performed on on Yes (If yes, please demonstrate compliance to the items below) No	r in areas that will not	to be used for future service and operations?
Required for impacted areas which will not be used for future service and operat  Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ions:	
Closure Report Attachment Checklist: Instructions: Each of the following in 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  Longi		ed to the closure report. Please indicate, by a check  NAD:   1927   1983
	iude	NAD. [1927   1963
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure belief. I also certify that the closure complies with all applicable closure requires	ments and conditions	te and complete to the best of my knowledge and specified in the approved closure plan.  Page 5 of 5
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	
Name (Print):  Signature:  e-mail address:  Form C-144  Oil Conservation	on Division	Page 5 of 5

District I PO Bez 1980, Habbs, NM 52241-1980 District II PO Drawer DD, Artesla, NM \$8211-8719 District III 1000 Rie Brazes Rd., Aziec, NM 87410 District IV PO Bez 2018, Santa Fc, NM 27504-2002

### State of New Mexico Energy, Minerals & Natural Remources Department

### OIL CONSERVATION DIVISION PO 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

<sup>3</sup> Pool Name

■ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 Paol Code

	IFI Numbe	ť		1 Paol Code	•			_	- Lant (48	шис		
50-0	145-14	7296	7.	2319			Blanco Mesa	verde	<u> </u>			Well Number
* Property (	Code		IEE GA	s com		operty ?	Name				·	# 1
'0GRID' 000778	No.	AMO	CO PR	ODUC	TION (	cretar i		•				Elevation 5825
		71110					Location					
	g	Township	Range	Lot Ida	Feet from		North/South line	Feet f	rum the	East/West L	ine	County
UL or lot no.	Section 1	30 N	12 W	Lax Ion	1690		NORTH	16	545	WES	T	SAN JUAN
				om Hol	e I ocati	on II	Different Fro	om Su	urface	1		
	1 - 1	- 11-		Lot Ida	Feet from		North/South line		rom the	East/West	ine	County
UL er lot no.	Section	Township	Range	For lon	Fitt Hom		1	}				
0000	1071	or Infili	Consolidatio	n Code III (	Order No.							
Dedicated Act		19										
W/319.20	114 P. F.	WIT I DE	ACCIGNE	D TO TH	IS COMP	LETIC	ON UNTIL ALL	INTE	RESTS H	AVE BEE	N CC	NSOLIDATED
NO ALLO	MARLE	OR A	NON-ST	ANDARD	UNIT H.	AS BI	EN APPROVED	, 101	TIL DIT	101011	-	
14 /323	43'	The state of the s	?3.63						OPE	RATOR		TIFICATION
16 /223.						- 1		1	hereby cert	ify that the byfo	rmatio	n contained herein is
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Lodestar Services, Inc. PO Box 4465, Durango, CO 81302

API#:	3004529296	USPLSS:	T30N,R12W,S01F
Name:	MCPHEE GAS COM #1	Lat/Long:	36.84378, -108.05277
Depth to groundwater:	> 100 '	Geologic formation:	Nacimiento Formation
Distance to closest continuously flowing watercourse:	2.38 miles NW of the Animas River		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	2785' W of Kochis Arroyo		
		Soil Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'	No		
		Annual Precipitation:	9.77 inches (Aztec)
Domestic fresh water well or spring within 500'	No	Precipitation Notes:	no significant precip events
Any other fresh water well or spring within 1000'	No		
Within incorporated	No	Attached	Country and Date (Control of the All Control of the
municipal boundaries Within defined	No	Documents:	Groundwater report and Data; FEMA Flood Zone Map
municipal fresh water well field	No		Aerial Photo, Topo Map, Mines Mills and Quarries Map
Wetland within 500'	No	Mining Activity:	
Within unstable area	No		4870' N of Materails Pit
Within 100 year flood plain	No - FEMA Flood Zone 'X'		
Additional Notes:			

Client:

**Project:** 

Revised:

Prepared by:

**Pit Permit** 

**Siting Criteria** 

**Information Sheet** 

XTO Energy

Pit Permits

1-Oct-08

Brooke Herb

# Received by OCD: 8/9/2022 9:03:18 AM

### MCPHEE GAS COM #1 Below Ground Tank Siting Criteria and Closure Plan

### **Well Site Location**

Legals: T30N, R12W, Section 01, Quarter Section F Latitude/Longitude: approximately 36.84378, -108.05277

County: San Juan County, NM General Description: near Glade Run

### General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits dominate surficial geology (Dane and Bachman, 1965). The proposed below ground tank location will be located on the flanks of the Farmington Glade between Aztec and La Plata, New Mexico. Within the Farmington Glade, the Tertiary Nacimiento Formation is exposed, along with Quaternary alluvial and aeoloian sands surrounding the center of the wash.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits serve as the primary aquifers in the San Juan basin (Stone et al., 1983). In most of the proposed area, the Nacimiento Formation lies at the surface. Thickness of the Nacimiento ranges from 418 to 2232 feet (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the nearby San Juan River and its tributaries.

The prominent soil type at the proposed site is entisols, which are defined as soils that do not show any profile development. Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the La Plata River (www.emnrd.state.nm.us). These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes soils that cover the area.

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

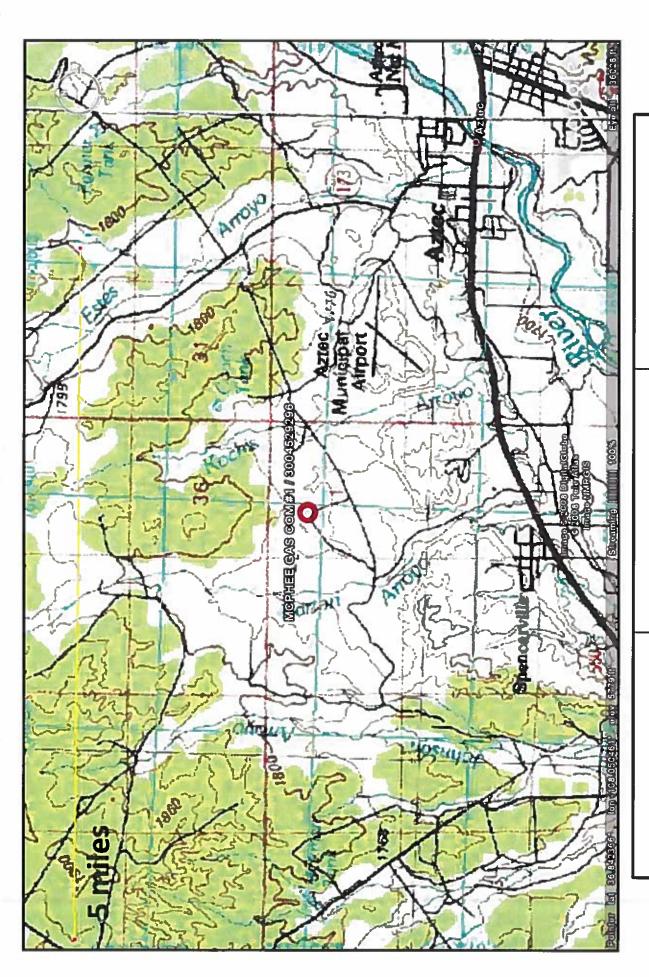
The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

### Site Specific Hydrogeology

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

Local aquifers include sandstones within the Nacimiento Formation, which ranges from 0 to 1000 feet deep in this area, as well as shallow aquifers within Quaternary alluvial deposits (Stone et al., 1983). The 1000-foot depth range for Nacimiento aquifers covers an area over 20 miles wide, and depth decreases towards the margin of the San Juan Basin. The site in question is more centrally located, and depth to the aquifer is expected to be closer to 1000 feet. It is well known that groundwater close to the Animas River can be shallow, as the Quaternary deposits near the river itself form shallow aquifers. However, the proposed site is situated over two miles to the northwest and is approximately 270 feet higher in elevation then the Animas River (Google Earth).

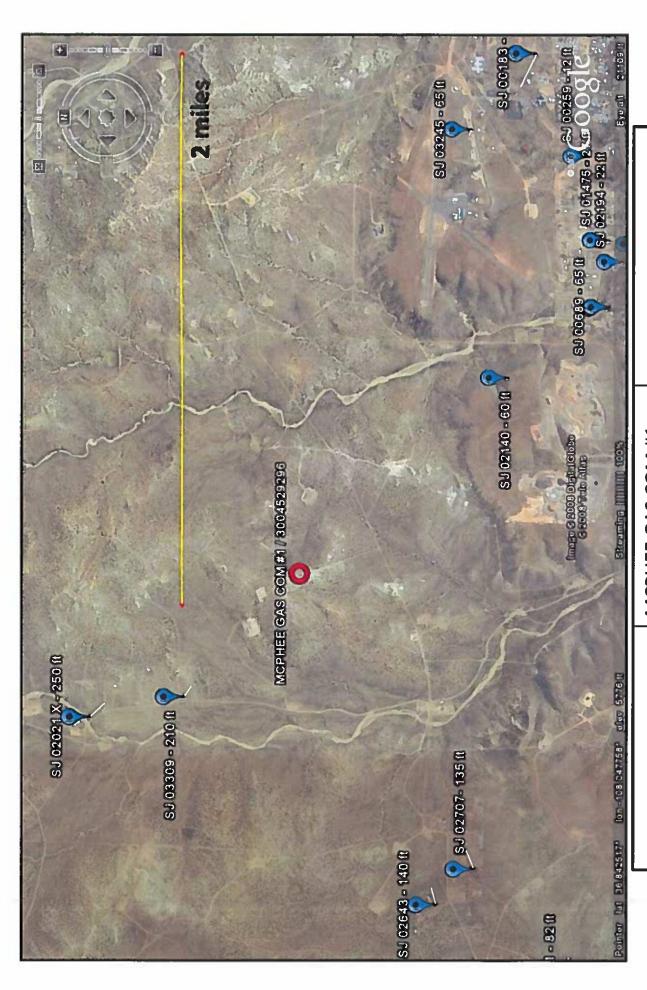
Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the location of wells in reference to the proposed pit location is also included. Pinpoints show locations of wells and the labels for each pinpoint indicate depth to groundwater in feet. The closest well is approximately 3000 feet to the northwest, and is 10 feet higher in elevation than the proposed site. Depth to groundwater within the well is 210 feet below ground surface. Further to the northwest a well that is about 30 feet higher in elevation from the proposed site has a depth to groundwater of 250 feet below ground surface. A well to the southeast is approximately 15 feet higher in elevation. Depth to groundwater within the well is 60 feet. A well to the southwest has a depth to groundwater of 135 feet below ground surface. This well is approximately 70 feet lower in elevation then the proposed site.



Lodestar Services, Inc MCPHEE
PO Box 4465
Durango, CO 81302 San Juan

MCPHEE GAS COM #1 T30N, R12W, S01F San Juan County, NM

Topographic Map



Lodestar Services, Inc PO Box 4465 Durango, CO 81302 San Juan County, NM

iWaters Groundwater Data Map

### New Mexico Office of the State Engineer POD Reports and Downloads

Township: 31h Range: 12V Sections: 35

POD / Surface Data ReportAvg Depth to Water Report Water Column Report

## WATER COLUMN REPORT 09/23/2008

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## New Mexico Office of the State Engineer POD Reports and Downloads

Township: 30N Range: 12M Sections: 2.6.7,10,11,12,13,14,15,18

POD / Surface Data Report Avg Depth to Water Report Water Column Report

## WATER COLUMN REPORT 09/18/2008

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# New Mexico Office of the State Engineer POD Reports and Downloads

Township: 30N Range: 11M Sections:

POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

# WATER COLUMN REPORT 09/29/2008

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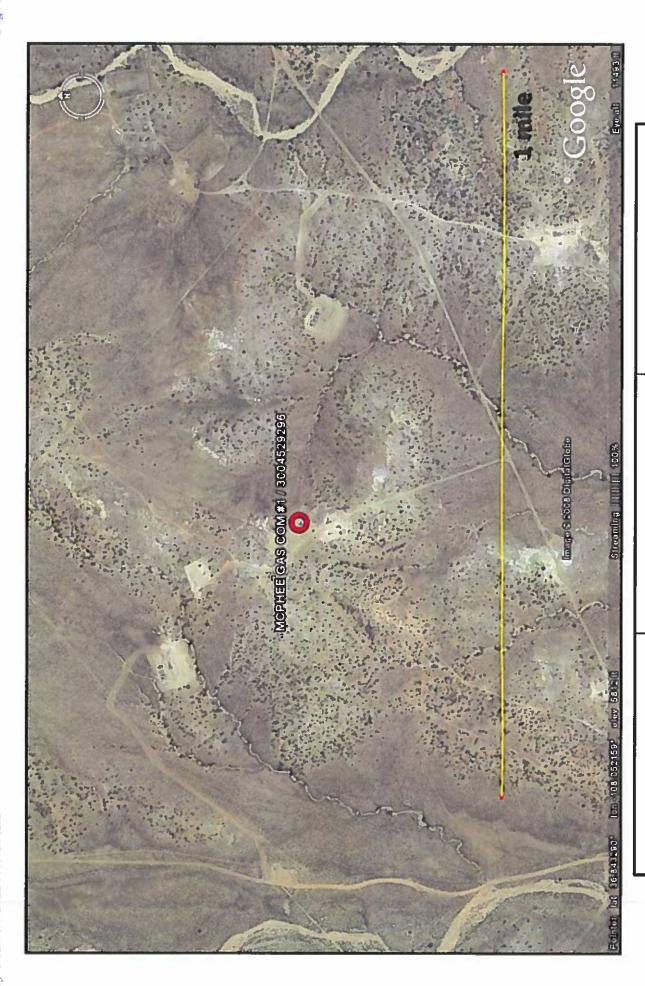
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Aerial Photograph

Lodestar Services, Inc PO Box 4465 Durango, CO 81302

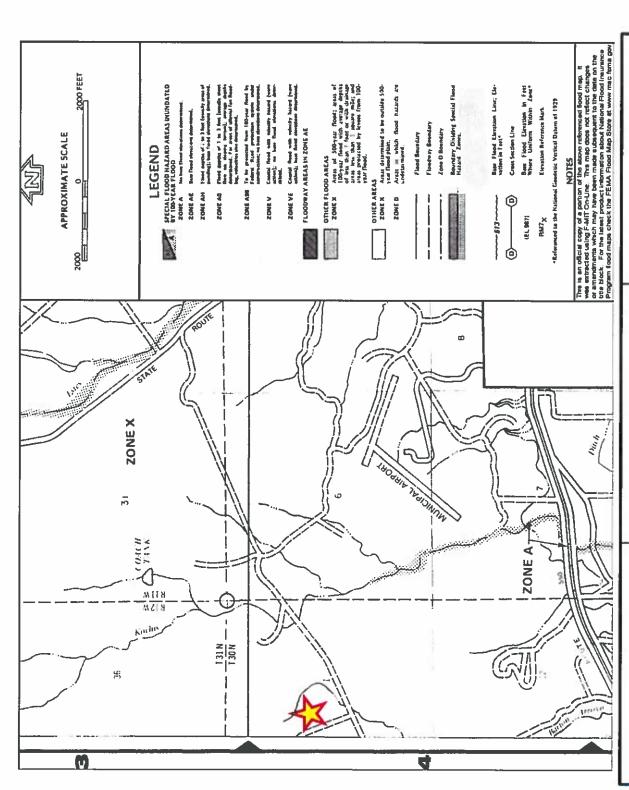
MCPHEE GAS COM #1 T30N, R12W, S01F San Juan County, NM



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Durango, CO 81302
San

MCPHEE GAS COM #1 T30N, R12W, S01F San Juan County, NM

Mines, Mills, and Quarries Map



FEMA Flood Zone Map

Lodestar Services, Inc PO Box 4465 Durango, CO 81302

MCPHEE GAS COM #1 T30N, R12W, S01F San Juan County, NM

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

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

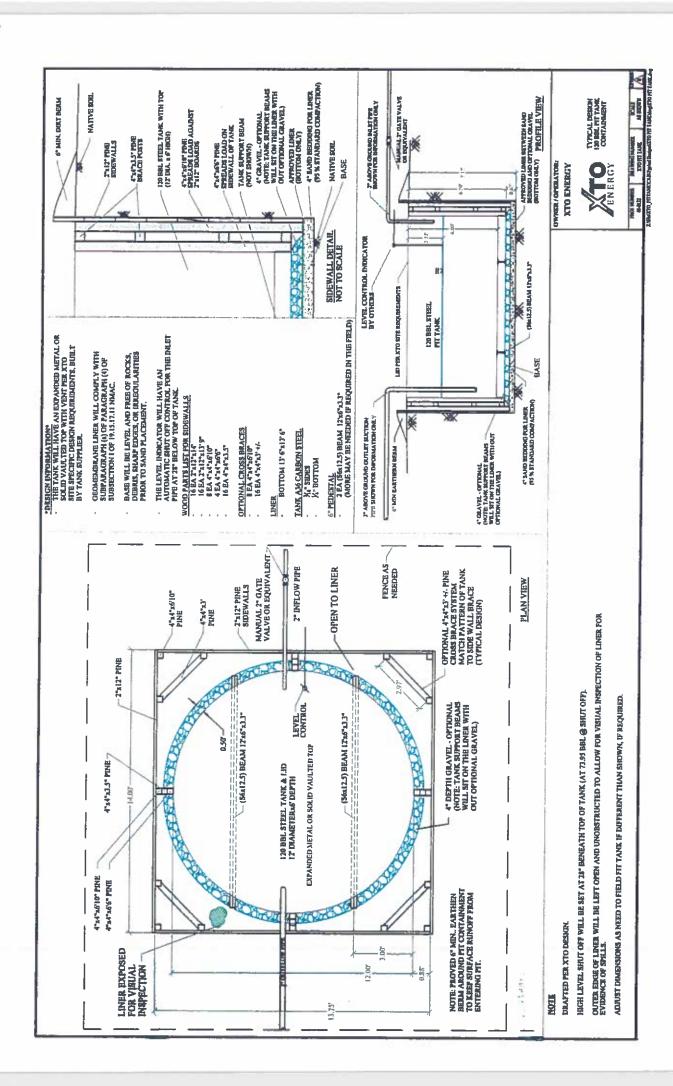
### General Plan

- 1. XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the existing well site operated by XTO where the existing below-grade tank is located. The sign will list the Operator on record as the operator, the location of the well site by unit letter, section, township, range, and emergency telephone numbers.
- 3. XTO is requesting approval of an alternative fencing to be used on below-grade tank locations. Below-grade tank locations will be fenced utilizing 48" steel mesh field-fence (hogwire) with pipe railing along the top. A 6' chain link fence will be utilized around the well pad if the well site is within a city limits or ¼ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000' of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 4. XTO shall construct below-grade tanks with an expanded metal covering or solid vaulted top on the top of the below-grade tank.
- 5. XTO will ensure that below-grade tanks are constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight. Tanks will be constructed of A36 carbon steel with 3/16" sides and ¼" bottom. (See attached drawing).
- 6. The below-grade tank system will have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom. Sand bedding (4") will be placed on top of a level foundation to ensure prevention of punctures, cracks or indentations of the liner or tank bottom.
- 7. XTO will construct a berm and/or diversion ditch in a manner that prevents the collection of surface water run-on. Below-grade tanks will be equipped with automatic high level shut-off devices as well as manually operated shut-off valves. (See attached drawing).
- 8. XTO will construct and use below-grade tanks that do not have double walls. The below-grade tank sidewalls will be open for visual inspection for leaks. The sidewalls of the cellar will be constructed with 2" X 12" pine sidewalls and 4" X 4" pine brace posts. The below-grade tank

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

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

- XTO will equip below-grade tanks designed in this manner with a properly functioning automatic 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.

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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.

		MONTH	ILY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	INSPECTION	N FORM		
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Legals	Sec:		Township:		Range:	4.53		
XTO	Inspection	Inspection	Any visible liner	Anv visible sions of	Collection of Surface	Visible laver	Anv visible signs	Freehoard
Name	Date	1	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

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

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

XTO Energy Inc.
San Juan Basin (Northwest New Mexico)
General Closure Plan
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Page 2

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

- 8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.

  The notification will include the following:
  - i. Operator's name
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, and Range

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

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

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

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XTO Energy Inc.
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For Below-Grade Tanks
Page 3

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

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**

QUESTIONS

Action 132326

### **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	132326
	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 identify the appropriate associations in the system.					
Facility or Site Name	MCPHEE GAS COM 1				
Facility ID (f#), if known	Not answered.				
Facility Type	Below Grade Tank - (BGT)				
Well Name, include well number	MCPHEE GAS COM 1				
Well API, if associated with a well	3004529296				
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	True
Tank installed prior to June 18. 2008	True
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	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, Page 2

Action 132326

QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 132326 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 (Variance Required)	4' hogwire
Netting	
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
Signs	
Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have	e their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.
Signed in compliance with 19.15.16.8 NMAC	True
Variances and Exceptions  Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for Please shock a box if one or more of the following is requested if not leave black:	guidance.
Please check a box if one or more of the following is requested, if not leave blank:  Variance(s):	

Not answered.

Not answered.

of approval. Exception(s):

consideration of approval

Requests must be submitted to the appropriate division district for consideration

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

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

### **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 132326

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 132326 Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)
QUESTIONS	[0, 12930) 2500 3.000 (0.000)
Siting Criteria (regarding permitting)	
19.15.17.10 NMAC	
Instructions: The applicant must demonstrate compliance for each siting criteria below. Siting criteria does not apply to drying pads or above-grade tanks.	below in the application. Recommendations of acceptable source material are provided
Siting Criteria, General Siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	No
NM Office of the State Engineer - iWATERS database search	True
USGS	Not answered.
Data obtained from nearby wells	Not answered.
Siting Criteria, Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water 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	True
Alternate Closure Method. Please specify (Variance Required)	Not answered.

11/18/2008

Operator Application Certification Registered / Signature Date

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

ACKNOWLEDGMENTS

Action 132326

### **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	132326
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### **ACKNOWLEDGMENTS**

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

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

CONDITIONS

Action 132326

### **CONDITIONS**

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

### CONDITIONS

Created By		Condition Date
jburdine	None	8/19/2022