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

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD Office of 1 1 28

Pit Closed-Loop System, Below-Grade Tank, or

Proposed Alternative Method Permit	<u> </u>
Type of action: Existing BGT Closure of a pit, closed-loop system, be Modification to an existing permit	ow-grade tank, or proposed alternative method elow-grade tank, or proposed alternative method sting permitted or non-permitted pit, closed-loop system,
Instructions: Please submit one application (Form C-144) per individual pi	t, 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 nvironment. Nor does approval relieve the operator of its responsibility to comply with any	
t.	other applicable governmental authority's rules, regulations or ordinance
Operator: XTO Energy, Inc.	OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410	
Facility or well name: Apache Federal #13	
API Number: 30-039-05566 OCD Permit	Number:
U/L or Qtr/Qtr _ J Section _ 7 Township _ 24N Range _	05W County: Rio Arriba
Center of Proposed Design: Latitude 36.32447 Longitude	<u>107.39870</u> NAD: □1927 ⊠ 1983
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 □ HDF □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other Volume	PE PVC Other
3.	
Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Type of Operation: P&A Drilling a new well Workover or Drilling (Applintent)	ies to activities which require prior approval of a permit or notice of
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other	
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ I	IDPE PVC Other
Liner Seams:	
4. 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 li	ft and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other	alls, vaulted, automatic high-level shut off, no liner
Liner type: Thickness mil HDPE PVC Other	

Alternative Method:

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

Form C-144

Oil Conservation Division

Page 1 of 5

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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) 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	hospital,
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)	
is. 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	
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
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 accel material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	opriate district approval.
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 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 search; 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 ☑ 1
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ⊠ 1
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes 🖾 1
Within a 100-year floodplain. - FEMA map	☐ Yes 🛛 N
	of to Inc

u.			
Imporary Pits, Emergency Pits, and Below-gr: 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 requirements and Maintanana Plan - based upon	ency Pits) - based upon the requirement based upon the appropriate requirement puirements of 19.15.17.11 NMAC	is of Paragraph (2) of Subsectits of 19.15.17.10 NMAC	
			Subsection C of 19.15.17.9 NMAC
Previously Approved Design (attach copy of de	esign) API Number:	or Permit Nun	nber:
12. Closed-loop Systems Permit Application Attach Instructions: Each of the following items must be			the box, that the documents are
attached. ☐ Geologic and Hydrogeologic Data (only for ☐ Siting Criteria Compliance Demonstrations ☐ Design Plan - based upon the appropriate rec ☐ Operating and Maintenance Plan - based upon ☐ Closure Plan (Please complete Boxes 14 throand 19.15.17.13 NMAC	(only for on-site closure) - based upon quirements of 19.15.17.11 NMAC on the appropriate requirements of 19.1	the appropriate requirements 5.17.12 NMAC	of 19.15.17.10 NMAC
Previously Approved Design (attach copy of de			
Previously Approved Operating and Maintenan	11 DV 25 DO 12	5	ly to closed-loop system that use
above ground steel tanks or haul-off bins and prop	ose to implement waste removal for clo	sure)	
### 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 Plans - 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 responsed Closure: 19,15.17.13 NMAC	- based upon the appropriate requirements of 1 sign - based upon the appropriate requirements of 1 sign - 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 based upon the appropriate requirements of 19.15 based upon the appropriate requirements, Prevention Plan	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 Ni 5.17.12 NMAC ents of 19.15.17.11 NMAC	MAC
Instructions: Please complete the applicable box			_
☐ On-site Closure M ☐ In-plac		sed-loop systems)	_ ,,
S. Waste Excavation and Removal Closure Plan C closure plan. Please indicate, by a check mark in ☐ Protocols and Procedures - based upon the a ☐ Confirmation Sampling Plan (if applicable) ☐ Disposal Facility Name and Permit Number ☐ Soil Backfill and Cover Design Specification ☐ Re-vegetation Plan - based upon the appropr ☐ Site Reclamation Plan - based upon the appr	the box, that the documents are attack ppropriate requirements of 19.15.17.13 - based upon the appropriate requirement (for liquids, drilling fluids and drill curns - based upon the appropriate requirements of Subsection I of 19	hed. NMAC nts of Subsection F of 19.15. tings) ments of Subsection H of 19. 15.17.13 NMAC	17.13 NMAC
Site Reclamation Plan - based upon the appr	opriate requirements of Subsection G	1 19.13.17.13 NMAC	

6,		
Waste Removal Closure For Closed-loop Systems That Utiliz	te Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.) isposal of liquids, drilling fluids and drill cuttings. Use attachment if	
Disposal Facility Name:	Disposal Facility Permit Number:	
	Disposal Facility Permit Number:	
Yes (If yes, please provide the information below) No		vice and operations
Required for impacted areas which will not be used for future set. Soil Backfill and Cover Design Specifications based up Re-vegetation Plan - based upon the appropriate requirement. Site Reclamation Plan - based upon the appropriate requirement.	oon the appropriate requirements of Subsection H of 19.15.17.13 NMA ents of Subsection I of 19.15.17.13 NMAC	С
provided below. Requests regarding changes to certain siting c	compliance in the closure plan. Recommendations of acceptable sou criteria may require administrative approval from the appropriate dist: Fe Environmental Bureau office for consideration of approval. Just	rict office or may l
Ground water is less than 50 feet below the bottom of the buried - NM Office of the State Engineer - iWATERS database s		Yes No
Ground water is between 50 and 100 feet below the bottom of the NM Office of the State Engineer - iWATERS database s		Yes No
Ground water is more than 100 feet below the bottom of the buri NM Office of the State Engineer - iWATERS database s		Yes No
Within 300 feet of a continuously flowing watercourse, or 200 fe ake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the	eet of any other significant watercourse or lakebed, sinkhole, or playa e proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, ins - Visual inspection (certification) of the proposed site; Aer		☐ Yes ☐ No
	l or spring that less than five households use for domestic or stock esh water well or spring, in existence at the time of initial application. Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined muldopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality	unicipal fresh water well field covered under a municipal ordinance ty; Written approval obtained from the municipality	Yes No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topog	graphic 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	1 EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Vithin an unstable area. - Engineering measures incorporated into the design; NM Society; Topographic map	Bureau of Geology & Mineral Resources; USGS; NM Geological	☐ Yes ☐ No
Vithin a 100-year floodplain FEMA map		☐ Yes ☐ No
y a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the Proof of Surface Owner Notice - based upon the appropriation Construction/Design Plan of Burial Trench (if applicable) Construction/Design Plan of Temporary Pit (for in-place be Protocols and Procedures - based upon the appropriate requestration Confirmation Sampling Plan (if applicable) - based upon the appropriation Waste Material Sampling Plan - based upon the appropriation	the requirements of Subsection F of 19.15.17.13 NMAC based upon the appropriate requirements of 19.15.17.11 NMAC burial of a drying pad) - based upon the appropriate requirements of 19. duirements of 19.15.17.13 NMAC the appropriate requirements of Subsection F of 19.15.17.13 NMAC te requirements of Subsection F of 19.15.17.13 NMAC drilling fluids and drill cuttings or in case on-site closure standards cannuts of Subsection H of 19.15.17.13 NMAC ents of Subsection I of 19.15.17.13 NMAC	15.17.11 NMAC
Form C-144	Oil Conservation Division Page 4 o	f 5

19. Operator Application Certification:		
I hereby certify that the information submitted with	this application is true, accurate and complete to	the best of my knowledge and belief.
Name (Print): Kim Champlin	•	Environmental Representative
	•	
	······································	11/18/2008
-mail address: <u>kim_champlin@xtoenergy.com</u>	Telephone:	(505) 333-3100
o. OCD Approval: X Permit Application (including	g closure plan)	D Conditions (see attachment)
OCD Representative Signature: Jaclyn Be	urdine	Approval Date: 08/08/2022
Fitle: _ Environmental Specialist-A	OCD Permit Nur	mber: BGT1
1. Closure Report (required within 60 days of closur Instructions: Operators are required to obtain an o The closure report is required to be submitted to the section of the form until an approved closure plan	approved closure plan prior to implementing any te division within 60 days of the completion of th	y closure activities and submitting the closure rep e closure activities. Please do not complete this
	☐ Closure Cor	npletion Date:
2. Closure Method: Waste Excavation and Removal On-Site C If different from approved plan, please explain.	Closure Method	d Waste Removal (Closed-loop systems only
s. Closure Report Regarding Waste Removal Closu Instructions: Please indentify the facility or facilities wo facilities were utilized.	re For Closed-loop Systems That Utilize Above lies for where the liquids, drilling fluids and drill	e Ground Steel Tanks or Haul-off Bins Only: Cuttings were disposed. Use attachment if more
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:	Disposal Facility	Permit Number:
Vere the closed-loop system operations and associat Yes (If yes, please demonstrate compliance to	ted activities performed on or in areas that will not the items below) \(\simega\) No	ot be used for future service and operations?
Required for impacted areas which will not be used a Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding		
Closure Report Attachment Checklist: Instruction mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and diagrams) Proof of Deed Notice (required for on-site closures and temporary processes of Deed Notice (required for on-site closures and temporary processes of Deed Notice (required for on-site closures and temporary processes of Deed Notice (required for on-site closures and temporary processes of Deed Notice (required for on-site Closure Location Recklist) Proof Deed Notice (required for on-site Closure Location: Latitude	livision) osure) pits) Fapplicable) (required for on-site closure)	ed to the closure report. Please indicate, by a che NAD: 1927 1983
Operator Closure Certification: hereby certify that the information and attachments	s submitted with this closure report is true, accura all applicable closure requirements and conditions	te and complete to the best of my knowledge and specified in the approved closure plan.
Operator Closure Certification: hereby certify that the information and attachments elief. I also certify that the closure complies with a	all applicable closure requirements and conditions	te and complete to the best of my knowledge and specified in the approved closure plan.
Decrator Closure Certification: hereby certify that the information and attachments elief. I also certify that the closure complies with a lame (Print):	all applicable closure requirements and conditions Title:	specified in the approved closure plan.
Decrator Closure Certification: hereby certify that the information and attachments elief. I also certify that the closure complies with a lame (Print): ignature:	all applicable closure requirements and conditions Title: Date:	specified in the approved closure plan.
pelief. I also certify that the closure complies with a Name (Print):	all applicable closure requirements and conditions Title: Date:	specified in the approved closure plan.

SECTION A.

4-25-61

Date

NEW MEXICO OIL CONSERVATION COMMISSION Well Location and Acreage Dedication Plat

Well No 13 Unit Letter Section 7 Township 2t North Range 5 No. Located 1650 Feet From South 10e 1650 Feet From Bast Line County Rie South 10e 1650 Feet From Ba
County Rie Errice G. L. Elevation 6473 Dedicated Acreage 320 Acre Name of Producing Formation Dakota Pool Basin-Dakota 1 Is the Operator the only owner' in the dedicated acreage outlined on the plat below? Yes. X No 2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No. If answer is "Yes," Type of Consolidation 3 If the answer to question Two is "No," list all the owners and their respective interests below REP 1961 APR 27 1961 OI COM
Name of Producing Formation Dakota Pool Pasin-Dakota Is the Operator the only owner' in the dedicated acreage cutlined on the plat below? Yes. X No If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or atherwise? Yes. — No. ——. If answer is "Yes," Type of Consolidation If the answer to question Two is "No," list all the owners and their respective interests below the plant of the owners and their respective interests below the plant of the pla
Is the Operator the only owner' in the dedicated acreage outlined on the plat below? Yes. X No 2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes. No If answer is "Yes," Type of Consolidation. 3. If the answer to question Two is "No," list all the owners and their respective interests below LAND DESCRIPTION B. APR 27 1961 Q1
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes
agreement or otherwise? Yes No If answer is "Yes," Type of Consolidation 3. If the answer to question Two is "No," list all the owners and their respective interests below The Description B. APR 27 1961 QI
3. If the answer to question Two is "No," list all the owners and their respective interests below RECEIVED APR 27 1961 QI COM.
APR 27 1961 QI COM
APR 27 1961 QI COM
APR 27 1961 QI COM
APR 27 1961 QI N. COM
SECTION 8.
SECTION 8.
This is to contifu that the inform
This is to soutiful that the information
tion in Section A above is true at complete to the best of my know
edge and belief.
Gulf Oil Corporation
By: T. A. TRAY
Area Production-Manager
Production Department
Box 1346
Salt Lake City subtah
7
This is to correct the colling well located the showing the print of the colling to the colling to the colling to the colling the colling to
was plotted from field neres at a
tual survices made by me district
is true on a finite of the section o
my knowledge also believe
Date Surveyed . Mer. 15, 1961
Four States Engineering Co.
- To 1 To

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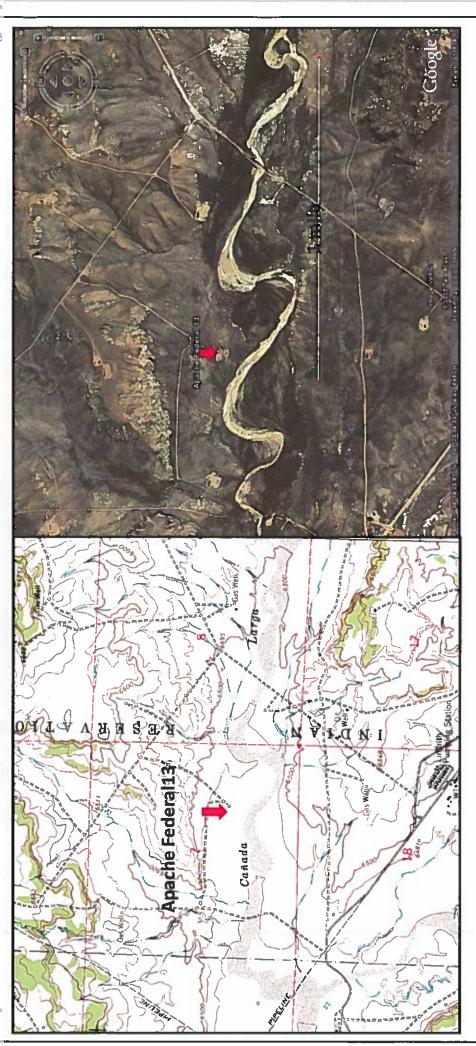
Zoo

REGISTERED ENGINEER OR LAND SURVEYOR

Certificate No.

1545

Lodestar Services PO Box 4465, Durango,	•	Pit Permit Siting Criteria Information Shee	Client: Project: Revised: Prepared by:	Pit Permits 8/20/2008
API#:		3003905566	USPLSS:	T24N, R5W, S7J
Name:	Ар	ache Federal 13	Lat/Long:	36.32447, -107.3987
Depth to groundwater:		<50'	Geologic formation:	
Distance to closest continuously flowing watercourse:		s to the San Juan river		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	300 ft	S to Canada Larga		
			Soil Type:	Entisol
Permanent residence, school, hospital, institution or church within 300'		No		
	Sw Tall		Annual Precipitation:	10.88
Domestic fresh water well or spring within 500'		No	Precipitation Notes:	No significant precip event on record
Any other fresh water well or spring within 1000'		No		
Within incorporated municipal boundaries		No	Attached Documents:	
Within defined municipal fresh water well field		No		
Wetland within 500'		No	Mining Activity:	None
Within unstable area		No		
Within 100 year flood plain	No F	EMA data available		
Additional Notes:	(300ft) to	d is in close proximity a large dry wash that un during heavy rain		
	may re		e 1 of 1	



Rio Arriba county, NM Apache Federal 13 T24N, R5W, S7J Lodestar Services, Inc Released to Imaging: 8/8/2022 3:22:54 PM PO Box 4465

TOPOGRAPHIC MAP AND

AERIAL PHOTOGRAPH

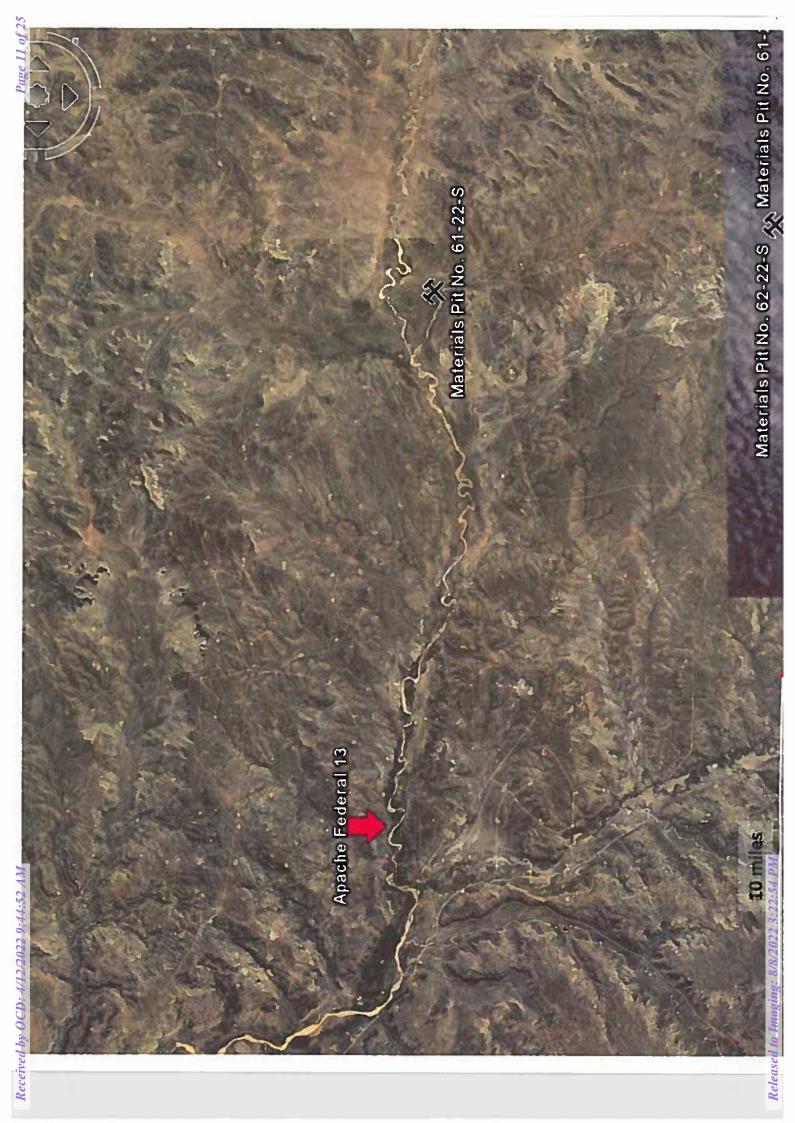
New Mexico Office of the State Engineer POD Reports and Downloads

POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

WATER COLUMN REPORT 08/19/2008

	(quarters are	are	1=NW 2=NE	3	Z	国 3=	3=SW 4=SE)							
	(quarter:	3 are	bid	ges	Ť	tos	smallest)				Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	۵,	5	7	one	×	×		Water	Column		
	24N	05W	18	(C)	3 2	۵.				1004	216	788		
	24N	05W	18	4	7						223	566		
sJ 00069	24N	0.5W	18	4	1						350	445		
SJ 00211	24N 05W 18 4 4 4	05W	18	4 4	1 4						240	260		

Record Count:



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

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

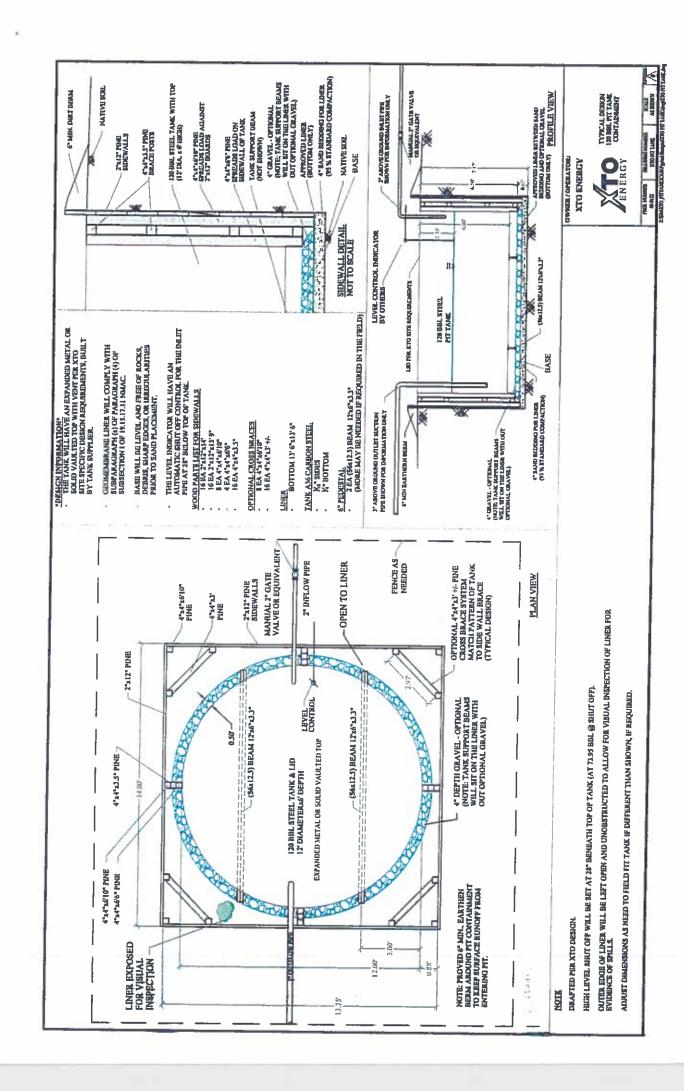
General Plan

- XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will post a well sign, in compliance with 19.15,3.103 NMAC, on the existing well site operated by XTO where the existing below-grade tank is located. The sign will list the Operator on record as the operator, the location of the well site by unit letter, section, township, range, and emergency telephone numbers.
- 3. XTO is requesting approval of an alternative fencing to be used on below-grade tank locations. Below-grade tank locations will be fenced utilizing 48" steel mesh field-fence (hogwire) with pipe railing along the top. A 6' chain link fence will be utilized around the well pad if the well site is within a city limits or ¼ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000' of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 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 below-grade tank will be underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected. (See attached drawing).

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



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

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

General Plan

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

> > Released to Imaging: 8/8/2022 3:22:54 PM

		MONT	ILY BELO	HLY BELOW GRADE TANK INSPECTION FORM	INSPECTION	N FORM		
Well Name:					API No.:			
	(
Legais	Sec:		Township:		Range:			
XTO inspector's	Inspection	Inspection	Any visible liner	Anv visible signs of	Collection of surface	Visible laver	Anv visible sions	Freehoard
Name	Date		tears (Y/N)	tank overflows (Y/N)	run on (Y/N)	of oil (Y/N)	of a tank leak (Y/N)	Est. (ft)
								:
Notes:	Provide Del	Provide Detailed Description:	ition					
16	-							
Misc:					·			
							ł	
	•							
	-			88	:			

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

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

Soil contaminated by exempt petroleum hydrocarbons

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

Basin Disposal Permit No. NM01-005 Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- 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
For Below-Grade Tanks
Page 2

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

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

i.

- 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:
 - 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.

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 97772

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97772
	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 ic	lentify the appropriate associations in the system.
Facility or Site Name	APACHE FEDERAL 13
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	APACHE FEDERAL 13
Well API, if associated with a well	30-039-05566
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	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 97772

QUESTIONS (continued)		
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 97772 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	s)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)	Not answered.	
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.	
Alternate, Fencing. Please specify (Variance Required)	4' steel mesh	
Netting		
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen	Not answered.	
Netting		
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	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 of equivalency are required. Please refer to 19.15.17 NMAC for Please check a box if one or more of the following is requested, if not leave blank:	guidance.	
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	Not answered.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.	

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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 Ea NIM 97505

QUESTIONS, Page 3

Action	97772

Santa Fe, NW 87505 Phone:(505) 476-3470 Fax:(505) 476-3462		
QUEST	IONS (continued)	
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID:	
OUESTIONS	[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. 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	Not answered.	
NM Office of the State Engineer - iWATERS database search	Not answered.	
USGS	Not answered.	
Data obtained from nearby wells	Not answered.	
Siting Criteria, Below Grade Tanks		
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	No	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No	
Proposed Closure Method		
Below-grade Tank	Below Grade Tank - (BGT)	
Waste Excavation and Removal	Not answered.	
Alternate Closure Method. Please specify (Variance Required)	Not answered.	

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 97772

ACKNOWLEDGMENTS

Operator:	OGRID:
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1111 Travis Street	Action Number:
Houston, TX 77002	97772
	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.
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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CONDITIONS

Action 97772

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	97772
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

CONDITIONS

Created By		Condition Date
jburdine	None	8/8/2022