<u>District I</u> 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.

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

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

Santa Fe, NM 87505

Type of action	Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
rype or action	Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
	Modification to an existing permit
	☐ Modification to all existing permit ☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop
	· · · · · · · · · · · · · · · · · · ·
	system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank, or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the

environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations, or ordinances			
Operator XTO Energy, Inc OGRID # 5380			
Address 382 Road 3100, Aztec, New Mexico 87410			
Facility or well name: Scott E Federal 25 #32			
API Number 30-045-28486 OCD Permit Number:			
U/L or Qtr/Qtr B Section 25 Township 27N Range 11W County San Juan			
Center of Proposed Design: Latitude 36 548303 Longitude -107.955109 NAD: □1927 ☑ 1983			
Surface Owner Federal State Private Tribal Trust or Indian Allotment			
1 (SE)			
Pit: Subsection F or G of 19.15.17 11 NMAC			
Pit: Subsection F or G of 19.15.17 11 NMAC			
Permanent Emergency Cavitation P&A Permanent Emergency Cavitation P&A Permanent Emergency Cavitation P&A Permanent P&A PA Permanent P&A PA Permanent P&A PA PA PA PA			
Lined Unlined Liner type Thicknessmil LLDPE HDPE PVC Other OILCONS, DIV. DIS1 3			
String-Reinforced			
Liner Scams Welded Factory Other Volume. bbl Dimensions: L			
Closed-loop System: Subsection H of 19 15 17 11 NMAC			
Type of Operation P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)			
Drying Pad Above Ground Steel l'anks Haul-off Bins Other			
☐ Lined ☐ Unlined Lines type Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other			
Liner Seams. Welded Factory Other			
Below-grade tank: Subsection I of 19 15.17.11 NMAC			
Volume 120 bbl Type of fluid Produced Water			
Tank Construction material			
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off			
☐ Visible sidewalls and liner ☑ Visible sidewalls only ☐ Not labeled			
Liner type. Thickness mil HDPE PVC Other			
15			
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, hinstitution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	nospital,	
Netting: Subsection E of 19.15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)		
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 of 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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank - NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from nearby wells	Yes No	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) - Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Actial 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, Actual 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	☐ Yes ☐ No	
- NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	☐ Yes ☐ No	
Within 500 feet of a wetland	☐ Yes ☐ No	
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No	
Within an unstable area. - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS, NM Geological Society, Topographic map	☐ Yes ☐ No	
Within a 100-year floodplain FEMA map	☐ Yes ☐ No	

Temporary Pits, Emergency Pits, and Below-grade Tanks 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. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure 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 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 15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15.17 9 NMAC and 19 15 17.13 NMAC
Previously Approved Design (attach copy of design) API Number
Previously 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)
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 String 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 Disk 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 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 Preboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15 17 11 NMAC Liner Specifications of Hazardous Odors, including H ₂ S, Prevention Plan Liner Specification and Compatibility Assurance of Hazardous Odors, including H ₂ S, Prevention Plan Ciperobard and Overtopping Prevention Plan Crosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC
Proposed Closure: 19 15 17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. 1ype
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)
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. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17 1 Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment	B D NMAC) If more than two	
facilities are required.		
Disposal Facility Name. Disposal Facility Permit Number		
Disposal Facility Name: Disposal Facility Permit Number		
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future s Yes (If yes, please provide the information below) No	ervice and operations?	
Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection II of 19 15 17.13 NM Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15 17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17 13 NMAC	AC	
Siting Criteria (regarding on-site closure methods only): 19.15 17 10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable so provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate deconsidered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Judemonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	istrict office or may be	
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	Yes No	
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - IWA FERS database search, USGS, Data obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - (WATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or plays lake (measured from the ordinary high-water mark). - Popographic map, Visual inspection (certification) of the proposed site	Yes No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐ Yes ☐ No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - IWA FERS database, Visual inspection (certification) of the proposed site	Yes No	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obtained from the municipality	☐ Yes ☐ No	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within the area overlying a subsurface mine - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No	
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map	☐ Yes ☐ No	
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No	
On-Site Closure Plan Checklist: (19.15-17-13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15-17-10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15-17-13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15-17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15-17.11 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15-17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC		

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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): Para Para Para Para Para Para Para Par			
Signature. Date Date			
E-mail address: Talk and a sold and a sold and a sold a sold and a sold			
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)			
OCD Representative Signature: Approval Date: 4/2011			
Title: Compliance Office OCD Permit Number:			
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.			
Closure Completion Date:			
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.			
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:			
Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than			
two facilities were utilized. Disposal Facility Name Disposal Facility Permit Number			
Disposal Facility Name Disposal Facility Permit Number:			
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No			
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation)			
Soil Backfilling and Cover Installation			
Re-vegetation Application Rates and Seeding Technique			
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check			
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 Longitude NAD 1927 1983			
Operator Closure Certification:			
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.			
Name (Print)			
Signature: Date:			
F-mail address Telephone			

XTO Energy Inc. San Juan Basin Below Grade Tank Closure Plan

Lease Name: Scott E Federal 25 #32

API No.: 30-045-28486

Description: Unit B, Section 25, Township 27N, Range 11W, San Juan County

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

- I 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 approves
- 6 XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose

Components	Test Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPII	EPA SW-846 418.1	100
Chlorides	EPA 300 1	250 or background

- 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.
- 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:
 - 1. Operator's name
 - 11. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, and Range

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

- 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.
- 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.

- 14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
 - Proof of closure notice to division and surface owner,
 - ii Details on capping and covering, where applicable;
 - iii Inspection reports;
 - iv. Confirmation sampling analytical results;
 - 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.