District 1 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 876051 2	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2 2320 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 July 21, 2008 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.
ILLSO Pit. Clo	osed-Loop System, Below-Grade	<u>Fank, or</u>
Proposed Altern	native Method Permit or Closure F	Plan Application
Type of action: Permit o Permit o Point o Modifica X Closure below-grade tank, or proposed Instructions: Please submit one applicatio	of a pit, closed-loop system, below-grade tank, o of a pit, closed-loop system, below-grade tank, ation to an existing permit plan only submitted for an existing permitted or I alternative method on (Form C-144) per individual pit, closed-loop system	or proposed alternative method or proposed alternative method non-permitted pit, closed-loop system, em, below-grade tank or alternative request
Please be advised that approval of this request does not r environment. Nor does approval relieve the operator of i	elieve the operator of liability should operations result in its responsibility to comply with any other applicable go	n pollution of surface water, ground water or the ivernmental authority's rules, regulations or ordinances.
		5380
Operator: <u>XTO ENERGY</u> , INC.	,OGKID #:	5380
Address: #362 County Road 3100, Aztec, NA	VI 87410	
Facility or well name:OH Randel #8		· · · · · · · · · · · · · · · · · · ·
API Number:	OCD Permit Number:	
U/L or Qtr/Qtr _F Section9	Fownship26N Range11W	County: San Juan
Center of Proposed Design: Latitude36.505	05 Longitude <u>108.012</u>	<u>19</u> NAD: [_]1927 [_] 1983
Surface Owner: X 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& Lined Unlined Liner type: Thickness String-Reinforced Liner Seams: Welded Factory Other	A mil	ner Dimensions: L x W x D
3. 		
Closed-loop System:       Subsection Ff of 19.15.17         Type of Operation:       P&A       Drilling a new well intent)         Drying Pad       Above Ground Steel Tanks       Image: Closed Control of Control o	<ul> <li>1 INMAC</li> <li>1 Workover or Drilling (Applies to activities which the second sec</li></ul>	ch require prior approval of a permit or notice of Other
4.         X       Below-grade tank:       Subsection F of 19.15.17.11         Volume:       120       bbl       Type of fluid         Tank Construction material:       Steel         Secondary containment with leak detection       Image: Steel         Visible sidewalls and liner       Visible sidewalls	I NMAC d: Produced Water Visible sidewalls, liner, 6-inch lift and automatic over s only X Other Visible sidewalls, vault, autom	erflow shut off care off coverflow shut off care off coverflow shut off care care care care care care care care
5. Alternative Method:	· · · · · · · · · · · · · · · · · · ·	
Submittal of an exception request is required. Excep	btions must be submitted to the Santa Fe Environmen	tal 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, hospital, institution or church)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify

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 office for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of 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.

<ul> <li>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	
<ul> <li>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).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	Yes No
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to permanent pits)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	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 🗌 No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	🗌 Yes 🗌 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map	Yes No

n. <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist</u> : 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 entropyd	
<ul> <li>Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC</li> <li>Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> <li>Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC</li> </ul>	
md 19.15.17.13 NMAC	
2. 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	
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     NMAC	7 )
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	
bove ground steel tanks or haul-off bins and propose to implement waste removal for closure)	
roposed Closure:       19.15.17.13 NMAC.         istructions:       Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         ype:       Drilling       Workover       Emergency       Cavitation       P&A       Permanent Pit       Below-grade Tank       Closed-loop System         Alternative       Alternative         roposed 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)	
Aste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to theosure plan. Please indicate, by a check mark in the box, that the documents are attached.Image: Image: Image	

<u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground</u> Instructions: Please indentify the facility or facilities for the disposal of liquids, facilities are required.	<u>I Steel Tanks or Haul-off Bins Only</u> : (19.15.17.13. , drilling fluids and drill cuttings. Use attachment if	D NMAC) more than two
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 of Yes (If yes, please provide the information below)	occur on or in areas that will not be used for future ser	vice and operations?
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriat Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	ons: e requirements of Subsection H of 19.15.17.13 NMA i I of 19.15.17.13 NMAC tion G of 19.15.17.13 NMAC	C
<sup>17.</sup> Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain siting criteria may requi considered an exception which must be submitted to the Santa Fe Environmenta demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	c closure plan. Recommendations of acceptable sou re administrative approval from the appropriate dist al Bureau office for consideration of approval. Just for guidance.	rce material are rict office or may be ifications and/or
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Dat	a obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Dat	a obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Dat	a obtained from nearby wells	□ Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	nificant watercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church - Visual inspection (certification) of the proposed site; Aerial photo; Satellite	in existence at the time of initial application. e image	🗋 Yes 🗌 No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or s - NM Office of the State Engineer - iWATERS database; Visual inspection (	s than five households use for domestic or stock pring, in existence at the time of initial application. (certification) of the proposed site	🔲 Yes 🗌 No
<ul> <li>Within incorporated municipal boundaries or within a defined municipal fresh wate adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; Written approv</li> </ul>	er well field covered under a municipal ordinance al obtained from the municipality	Yes 🗌 No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual</li> </ul>	al 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
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map</li> </ul>	y & Mineral Resources; USGS; NM Geological	🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map		🗌 Yes 🗌 No
<ul> <li>18.</li> <li>On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached.</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Construction/Design Plan of Temporary Pit (for in-place burial of a drying p. Protocols and Procedures - based upon the appropriate requirements of 19.15</li> <li>Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and d Soil Cover Design - based upon the appropriate requirements of Subsection I Re-vegetation Plan - based upon the appropriate requirements of Subsection</li> </ul>	<i>e following items must be attached to the closure pla</i> uirements of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC opropriate requirements of 19.15.17.11 NMAC ad) - based upon the appropriate requirements of 19.15 5.17.13 NMAC uirements of Subsection F of 19.15.17.13 NMAC Subsection F of 19.15.17.13 NMAC rill cuttings or in case on-site closure standards cannot H of 19.15.17.13 NMAC I of 19.15.17.13 NMAC on G of 19.15.17.13 NMAC	<i>m. Please indicate,</i> 5.17.11 NMAC of be achieved)

Oil Conservation Division

		· · · · · · · · · · · · · · · · · · ·
Operator Application Certification:		
I hereby certify that the information submitted with this application is true, acc	urate and complete to	the best of my knowledge and belief.
Name (Print): Kim Champlin	Title:	EH&S Adminstrative Coordinator
bi liamoli		
Signature: 7/11 Manipun	Date:	March 11, 2010
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
20.         OCD Approval:       Permit Application (including closure plan)         OCD Representative Signature:       Closure         Title:       Image: Signature:	Den (onthe Digit Den Di Kelly Coneplication OCD Permit Nun	Conditions (see attachment) 13/234 Approval Date: 3/10/10 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
<sup>21.</sup> <u>Closure Report (required within 60 days of closure completion)</u> : 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 section of the form until an approved closure plan has been obtained and the o	m K of 19.15.17.13 NM r to implementing any f the completion of that closure activities have	MAC closure activities and submitting the closure report. c closure activities. Please do not complete this been completed. poletion Date: $4 \frac{122000}{2000}$
22.		<u>_</u>
Closure Method: Waste Excavation and Removal On-Site Closure Method Alterr If different from approved plan, please explain.	native Closure Method	Waste Removal (Closed-loop systems only)
<sup>23.</sup> <u>Closure Report Regarding Waste Removal Closure For Closed-loop System</u> <i>Instructions: Please indentify the facility or facilities for where the liquids, dr.</i> <i>two facilities were utilized.</i>	as That Utilize Above illing fluids and drill	<u>Ground Steel Tanks or Haul-off Bins Only:</u> cuttings were disposed. Use attachment if more than
Disposal Facility Name:	Disposal Facility P	ermit Number:
Disposal Facility Name:	Disposal Facility P	ermit Number:
Were the closed-loop system operations and associated activities performed on on $\Box$ Vec (If we please demonstrate compliance to the items below) $\Box$ No.	or in areas that will not	be used for future service and operations?
Required for impacted areas which will not be used for future service and operation         Site Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique	tions:	
<ul> <li>24.</li> <li><u>Closure Report Attachment Checklist</u>: Instructions: Each of the following is markin the box, that the documents are attached.</li> <li>Proof of Closure Notice (surface owner and division) a flacked</li> <li>Proof of Deed Notice (required for on-site closure)</li> <li>Plot Plan (for on-site closures and temporary pits)</li> <li>Confirmation Sampling Analytical Results (if applicable) a flacked</li> <li>Waste Material Sampling Analytical Results (required for on-site closure)</li> <li>Disposal Facility Name and Permit Number affacted</li> <li>Soil Backfilling and Cover Installation pursuant to Octo Real</li> <li>Site Reclamation (Photo Documentation) a flacked</li> <li>Longi</li> </ul>	items must be attached wirments MOU	l to the closure report. Please indicate, by a check
25.		
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	report is true, accurate ments and conditions s	and complete to the best of my knowledge and provide the approved closure plan.
Name (Print): James McDanie		<u>S</u> Specialist
Signature:	Date:	16/2010
e-mail address: Jomes - MeDaniel Oxtoenerau com	Telephone:	505-333-3701
		· · · · · · · · · · · · · · · · · · ·

Form C-144

Oil Conservation Division

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

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

#### General Plan

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

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

- Soil contaminated by exempt petroleum hydrocarbons
- Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
- Basin Disposal Permit No. NM01-005

Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- 6:

7.

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

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.

 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

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 divisionapproved 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.

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

1220 5. 51, 11410		1 PC, INIVI 8730.	, 	Sa	inta F	e, NM 875	05		side of form
			Rele	ease Notific	catio	n and Co	orrective A	ction	
						<b>OPERA</b>	ГOR	[] Initi	al Report 🛛 Final Report
Name of Con	mpany: X	TO Energy,	Inc.			Contact: Jan	nes McDaniel		
Address: 382	2 Road 31	00, Aztec, N	lew Mexi	ico 87410		Telephone 1	No.: (505) 333-3	701	
Facility Nam	ie: OH Ra	indel #8 (30	0-045-24	788)	1	Facility Typ	e: Gas Well (Da	akota)	
Surface Owr	ner: Federa	al		Mineral C	)wner:		······	Lease 1	No.:
LOCATI						N OF RE	FASE		
Unit Letter F	Section 09	Township 26N	Range 11W	Feet from the 1550	North	NL	Feet from the 1520	East/West Line FWL	County San Juan
				Latitude: <u>36</u>	5.5051	2 Longitud	e: <u>-108.01273</u>		
Tuma of Palaa	an Histori	aal			UKE	Velume of	EASE		
Source of Rele	ease: Belov	v Grade Tank				Date and F	Iour of Occurrence	e Date and	Hour of Discovery:
						Unknown		Unknowr	
Was Immedia	te Notice C	liven?	Yes 🗌	] No 🖾 Not Re	equired	If YES, To	Whom?		
By Whom?						Date and H	lour		
Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         Yes       No									
If a Watercour	se was Im	pacted, Descri	be Fully.*	k	·			,,,,,,,.	
Describe Area After a release NMAC 19.15. analyzed for T excavation wa	Affected a had been of 3.116. The PH via US	s taken out of 'Pit Rule', an ove the 100 m e attached for and Cleanup A confirmed, the e site was ranl EPA Method A	d returned g/kg TPH your refer Action Tak e site was ced a 10 d 8015. Th	I results below the standard, confirm ence. ten.* ranked using the l ue to a depth to gr e sample returned	g and a 2 0.2 mg ning the NMOC roundw I results	Dandoning of g/kg benzene s at a release ha D Guidelines vater of less that s of 452 mg/kg	for the Remediation for th	below grade tank c g/kg total BTEX s pplicable analytica on of Leaks, Spills nple was then coll mg/kg TPH stand	and Releases pursuant to ected from the pit cellar, and ard determined for this site. No
I hereby certify regulations all public health of should their op or the environi federal, state, of	y that the in operators a per the envir perations have ment. In a per local law	nformation gi are required to onment. The ave failed to a ddition, NMO vs and/or regu	ven above o report an acceptanc dequately CD accep lations.	is true and compl id/or file certain ra- e of a C-141 repo- investigate and ra- tance of a C-141	lete to t elease r ort by th emedia report c	the best of my notifications and the NMOCD m te contamination to contamination the second second second to the second second second second second second second second second the second	knowledge and un ad perform correct arked as "Final Reform that pose a three e the operator of r	nderstand that purs tive actions for rele eport" does not rele eat to ground water responsibility for c	suant to NMOCD rules and eases which may endanger eve the operator of liability r, surface water, human health ompliance with any other
						<b></b>	OIL CONS	SERVATION	DIVISION
Signature									
Printed Name:	James Mc	Daniel				Approved by	District Superviso	ər:	
Title: EH&S S	pecialist					Approval Dat	e:	Expiration	Date:
E-mail Addres	s: James_N	AcDaniel@xt	oenergy.co	om		Conditions of	Approval:		Attached
Date: 5/6/201 Attach Additi	0 onal Shee	ts If Necess	I ary	Phone: 505-333-3	701				

# **XTO Energy Inc.** San Juan Basin **Below Grade Tank Closure Report**

Lease Name: OH Randel #8 API No.: 30-045-24788 Description: Unit F, Section 9, Township 26N, 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

- 1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. Closure Date is April 18, 2010
- 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. **Closure Date is April 18, 2010**
- 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.

Required C-144 Form is attached to this document.

XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure 4. 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

All liquids and sludge were removed from the tank prior to closure activities.

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. XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

10

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

All equipment has been removed from this well site due to plugging and abandoning of this location.

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 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.

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	0.0012 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	0.0209 mg/kg
ТРН	EPA SW-846 418.1	100	793 mg/kg
Chlorides	EPA 300.1	250 or background	20 mg/kg

A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

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.

Due to a TPH reading of 793 mg/kg, it has been determined that a release has occurred at this well site. Pursuant to 19.15.3.116, XTO then ranked the site according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 10 due to a depth to groundwater of less than 100 feet. This set the closure standard to 1,000 mg/kg TPH, 10 mg/kg benzene and 50 mg/kg total BTEX. A composite sample was collected from the pit cellar to be analyzed for TPH via USEPA Method 8015. The sample returned results of 452 mg/kg, below the 1,000 mg/kg standard determined for this site. The sample returned results below the regulatory standards for all constituents analyzed. The samples results are attached for your reference.

- 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.
   The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover. The site has been recontoured to match the natural surroundings, and will be re-seeded pursuant to the BLM MOU.
- 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

# Notification was provided to Mr. Brandon Powell with the Aztec office of the OCD via email on April 15, 2010; see attached email printout.

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. The surface owner was notified on March 18, 2010; see attached letter and return receipt.

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.

The site has been recontoured to match the natural surroundings in such a way to prevent ponding and erosion.

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.

#### The site has been backfilled to match these specifications.

- 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 divisionapproved 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. The site will be re-seeded pursuant to the BLM MOU.
- 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; attached
  - ii. Details on capping and covering, where applicable; per OCD Specifications
  - iii. Inspection reports; **none found**
  - iv. Confirmation sampling analytical results; attached
  - v. Disposal facility name(s) and permit number(s); see above
  - vi. Soil backfilling and cover installation; per OCD Specifications
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Pursuant to the BLM MOU**
  - viii. Photo documentation of the site reclamation. attached



#### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	XTO Energy		Project #:		98031-0121	
Sample ID:	BGT Pit		Date Reported:		02-16-10	
Laboratory Number:	53155		Date Sampled:		02-15-10	
Chain of Custody:	8747		Date Received:		02-15-10	
Sample Matrix:	Soil		Date Analyzed:		02-16-10	
Preservative:	Cool		Date Extracted:		02-15-10	
Condition:	Intact		Analysis Requested:		BTEX	
		· 资于				
				Det.		
		Concentration	i	Limit		
Parameter		Concentration (ug/Kg)		Limit (ug/Kg)		
Parameter		Concentration (ug/Kg)		Limit (ug/Kg)		
Parameter Benzene		Concentration (ug/Kg) 1 2		Limit (ug/Kg) 0 9		
Parameter Benzene Toluene		Concentration (ug/Kg) 1.2 4 1		Limit (ug/Kg) 0.9 1.0		
Parameter Benzene Toluene Ethylbenzene		Concentration (ug/Kg) 1.2 4.1 2.3		Limit (ug/Kg) 0.9 1.0 1.0		
Parameter Benzene Toluene Ethylbenzene p.m-Xylene		Concentration (ug/Kg) 1.2 4.1 2.3 8.3		Limit (ug/Kg) 0.9 1.0 1.0 1.2		
Parameter Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene		Concentration (ug/Kg) 1.2 4.1 2.3 8.3 5.0		Limit (ug/Kg) 0.9 1.0 1.0 1.2 0.9		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

20.9

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: OH Randel #8

**Total BTEX** 

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#### **EPA METHOD 8021 AROMATIC VOLATILE ORGANICS**

Client:	N/A		Project #:		N/A	
Sample ID:	02-16-BT QA/QC		Date Reported:		02-16-10	
Laboratory Number:	53150		Date Sampled:		N/A	
Sample Matrix:	Soil		Date Received:		N/A	
Preservative:	N/A		Date Analyzed:		02-16-10	
Condition:	N/A Ana		Analysis:		BTEX	
Galibration and second	ICAN RES	C.CaliREC.	www.www.	Blank		
Galibration and Detection(Limits (ug/L) :	alecanses		9%Diffsre iqe:07:15%	Blank Conce	Detect. 'Limil'	
Galibration, and Detection(Limits (0g/L)) Benzene	1.1953E+006	ACCOLURE A	0.2%	eBlanke ©onc≩ ND	Detect- Limit	
Galibration, and Detection Limits (ug/L) Benzene Toluene	1.1953E+006 <sup>(</sup> ) 1.0964E+006	1020 AI.RF Accept: Ran 1.1977E+006 1.0986E+006	0.2% 0.2% 0.2%	Blank Conc. ND ND	Detect Limit 0.1 0.1	
Galibration, and Detection Limits (ug/L) Benzene Toluene Ethylbenzene	1.1953E+006 1.0964E+006 9.8221E+005	124CALRE Accept: Ran 1.1977E+006 1.0986E+006 9.8418E+005	0.2% 0.2% 0.2% 0.2% 0.2%	Blank Conc., ND ND ND	Detect- Limit 0.1 0.1 0.1 0.1	
Galibration and Detection Limits (ag/L) Benzene Toluene Ethylbenzene p,m-Xylene	1.1953E+006 1.0964E+006 9.8221E+005 2.4351E+006	1C2C AITRE ACCODI RAD 1.1977E+006 1.0986E+006 9.8418E+005 2.4399E+006	9.2-%Diffsty - 7 ndb10-215%%222 0.2% 0.2% 0.2% 0.2%	Blank Conc. ND ND ND ND ND	Detect- Limit 0.1 0.1 0.1 0.1 0.1	
Galibration and Detection Limits (0g/L) Benzene	1.1953E+006	1CECal/RF /Accopt=Ran 1.1977E+006	0.2%	eBlanke Gonce ND	De Li	

Duplicate.Conc (ug/Kg)	Duplic	ale <sub>in</sub> , an	e%DjfftosgerA	cceptiRange De	tect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	ple S. Am	ounuSpiked Spik	(ed Sample 19	%Recovery	AcceptiRange
Benzene	ND	50.0	47.0	94.0%	39 - 150
Toluene	ND	50.0	48.0	96.0%	46 - 148
Ethylbenzene	ND	50.0	48.0	96.0%	32 - 160
p,m-Xylene	ND	100	98.0	98.0%	46 - 148
o-Xylene	ND	50.0	48.0	96.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996. Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 53150 - 53152, 53155, and 53157.

Analyst

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#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Parameter	Conc (mg	entration g/kg)	Det. Limit (mg/kg)
	*		۰ •
Condition:	Intact	Analysis Needed:	TPH-418.1
Preservative:	Cool	Date Analyzed:	02-16-10
Sample Matrix:	Soil	Date Extracted:	02-16-10
Chain of Custody No:	8747	Date Received:	02-15-10
Laboratory Number:	53155	Date Sampled:	02-15-10
Sample ID:	BGT Pit	Date Reported:	02 <b>-</b> 17-10
Client:	XTO Energy	Project #:	98031-0121

Total Petroleum Hydrocarbons	793	8.4

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: OH Randel #8

Analyst

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#### EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:		QA/QC		Project #:		N/A
Sample ID:		QA/QC		Date Reported:		02-17-10
Laboratory Number:		02-16-TPH.QA/QC	C 53155	Date Sampled:		N/A
Sample Matrix:		Freon-113		Date Analyzed:		02-16-10
Preservative:	,	N/A		Date Extracted:		02-16-10
Condition:		N/A		Analysis Needed:		ТРН
Calibration	I-Cal Date	C-Cal Date	I-Cal RE:	C-CaliBE: %	Difference	Accept Range
1. <b></b>	01-29-10	02-16-10	1,500	1,610	7.3%	+/- 10%
	•					
Blank Conc. (mg	ı/Kg)		Concentration	De	etection Lim	it
Blank Conc. (mg TPH	I/Kg)		Concentration ND	De	etection Limi 8.4	it
Blank Conc. (mg TPH	ı/Kg)		Concentration ND	De	etection Lim 8.4	it
Blank Conc. (mg TPH Duplicate Conc.	I/Kg) (mg/Kg)		Concentration ND Sample	De Duplicate %	etection Limi 8.4 Difference	it Accept. Range
Blank Conc. (mg TPH Duplicate Conc. TPH	/Kg) (mg/Kg)		Concentration ND Sample 793	Duplicate % 793	8.4 Bifference 0.0%	t Accept. Range +/- 30%
Blank Conc. (mg TPH Duplicate Conc. TPH	/Kg) (mg/Kg)		Concentration ND Sample. 793	De Duplicate % 793	Election Lim 8.4 Difference 0.0%	Accept. Range +/- 30%
Blank Conc. (mg TPH Duplicate Conc. TPH Spike Conc. (mg	/Kg) (mg/Kg) /Kg)	Sample	Concentration ND Sample 793 Spike/Added	De Duplicate % 793 Spike Result %	etection Lim 8.4 Difference 0.0% Recovery:	t Accept. Range +/- 30% Accept Range
Blank Conc. (mg TPH Duplicate Conc. TPH Spike Conc. (mg TPH	/Kg) (mg/Kg) /Kg)	Sample 793	Concentration ND Sample 793 Spike Added 2,000	Duplicate % 793 Spike Result % 2,280	Election Lim 8.4 Difference 0.0% Recovery 81.6%	Accept. Range +/- 30% Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 53155 and 53158 - 53159

Analyst

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#### Chloride

Total Chloride		20	
		÷	2 9.
Parameter		Concentration (mg	/Kg)
	<i>i</i>		
Condition:	Intact	Chain of Custody:	8747
Preservative:	Cool	Date Analyzed:	02-16-10
Sample Matrix:	Soil	Date Received:	02-15-10
Lab ID#:	53155	Date Sampled:	02-15-10
Sample ID:	BGT Pit	Date Reported:	02-17-10
Client:	XTO Energy	Project #:	98031-0121

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

OH Randel #8

Analyst

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# CHAIN OF CUSTODY RECORD

Client:	F	Project Name / L	oject Name / Location:						ANALYSIS / PARAMETERS								]					
XTO ENERGY	_	ЮH	RA	NNEL	. <del>*</del> S																	
Client Address: 382 ROAD 3100 AZTEC NM 8741	0	Sampler Name:	Kne	7				8015)	3 8021)	8260)	S			0								
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333-3207		980	3/-	017.1				Meth	(Me	Meti	8	/ AI		with		418	BID			1	Ō	le In
Sample No./ Sample S	Sample	Lab No	Sa	ample	No.Volume	Pres	servativ		ЦЩ	) O	RA	ution	5	Ч	Τ.	H H	LO L				dun	dug
Identification Date	Time		N	latrix	Containers	HgCl	на	<u> </u>	<u> </u>	8	м Ш	ပိ	щ	Ĕ	PA	<u>۲</u>	D				လိ	လိ
BGT PIT 2/15 1:	:50	53155	Solid	Sludge Aqueous (	1)402.J	AP			X							X	X				y	4
			Soil Solid	Sludge Aqueous																		
			Soil Solid	Sludge Aqueous																		
			Soil Solid	Sludge Aqueous																		
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Relinquished by: (Signature)						F	Receiv	ed by:	(Signa	ature)												
							_	-						_								
Envirotech E-MAIL RESULTS TO, Analytical Laboratory KNET HOEKSTER																						





## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	XTO Energy	Project #:	98031-0121
Sample ID:	Re-Sample BGT Pit	Date Reported:	02-19-10
Laboratory Number:	53193	Date Sampled:	02-18-10
Chain of Custody No:	8753 🌸	Date Received:	02-18-10
Sample Matrix:	Soil	Date Extracted:	02-18-10
Preservative:	Cool	Date Analyzed:	02-19-10
Condition:	Intact	Analysis Requested:	8015 TPH

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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	452	0.1
Total Petroleum Hydrocarbons	452	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: OH Randel #8

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EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	QA/QC			Project #:		N/A
Sample ID:	02-19-10	QA/QC		Date Reported:		02-19-10
Laboratory Number:	53172			Date Sampled:		N/A
Sample Matrix:	Methylene	Chloride		Date Received:		N/A
Preservative:	N/A			Date Analyzed:		02-19-10
Condition:	N/A	\$		Analysis Reque	sted:	TPĤ
	- I-GaliDi	1032	IL Gal REAL	C-Cal RF	%Difference	Accept Range
Gasoline Range C5 - C10	05-07-(	)7 1	.1314E+003	1.1318E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-0	07 1	.1127E+003	1.1131E+003	0.04%	0 - 15%
Blank Conc. (mg/L - mg/Kg).		- E	oncentration		Detection Limit	
Gasoline Range C5 - C10			ND		0.2	
Diesel Range C10 - C28			ND		0.1	
Total Petroleum Hydrocarbons			ND		0.2	
Duplicate Conc. (mg/Kg)	Sampl	e.(1),	Duplicate 🔬	% Difference	Accept Range	
Gasoline Range C5 - C10	ND		ND	0.0%	0 - 30%	
Diesel Range C10 - C28	ND		ND	0.0%	0 - 30%	
Spike Conc. (mg/Kg)		e <b>r s</b> y ŝ	pike Added*	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND		250	259	104%	75 - 125%
Diesel Range C10 - C28	ND		250	257	103%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 53172 - 53178 and 53193.

Analyst

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# CHAIN OF CUSTODY RECORD # LUSH 8753

Client:	Client: Project Name / Location:								ANALYSIS / PARAMETERS														
XTO ENE	ERGU		ØI	1 RA	UNFL	* 8			·														
Client Address: 382 Ron AZTEC N	A 31	00 1410	Sampler Name	: Ku	21				8015)	d 8021)	8260)	s			0								
Client Phone No.:	····		Client No.:						- pg	tho	po	leta	lion		Η		÷.	ш				Ī	tact
			۰.	98031-0121					Meth	(Me	Metl	8	AI		with		418	UH DH				Ŭ 0	e lu
Sample No./	Sample	Samp	le Lah No	s	ampie	No./Volume	Pres	ervativ	<u>।</u> म	Ш	) o	CRA	tion	5	L L	Ţ	H (	- - - -				Idm	Idmi
Identification	Date	Time			Aatrix	Containers	HgCl <sub>2</sub>	ha		6	L <u>S</u>	<u> </u>	Ö	<u>ل</u>	Ĕ	4	<u>۲</u>	Ó				လိ	လိ
RE- SAMPIE BET PIT	2/18	3:4	5 33193	Solid	Sludge Aqueous	(1) 4oz	ANR.		X													4	<u> </u>
				Soil Solid	Sludge Aqueous											•						<i>تم</i> ت	ر
				Soil Solid	Sludge Aqueous																		
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1.1.71	bIT	11.	)		2/18	4:25		Z	/	a d	A	_	5/.	The					×	di	glin	16	25
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	Envirotech E-MAIL RESULTS TO: Analytical Laboratory Kim CHAMPUN																						



March 18, 2010

Bureau of Land Management-FFO Mark Kelly 1235 La Plata Highway Farmington, NM 87401

RE: OH Randel #8 (API #30-045-24788) Sec. 09F- T26N- R11W, San Juan County

Dear Mr. Kelly:

This submittal is pursuant to Rule 19.15.17.13 requiring operators to notify surface owners of closure of a below grade tank pit. XTO Energy Inc. (XTO) is hereby providing written documentation of our proposal to close the below grade tank pit associated with the aforementioned location by means of waste excavation and removal.

Should you have any questions or require additional information please feel free to contact me at your earliest convenience (505) 333-3100.

Respectfully submitted,

Kim Champlin EHS Administrative Coordinator XTO Energy Inc. San Juan Division

Ce: OCD File

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.<sup>b</sup> Α. Signature Agent Addressee Print your name and address on the reverse -C. Date of Delivery so that we can return the card to you. inted Naprie) B, Attach this card to the back of the mailpiece, or on the front if space permits. □ Yes ess different from item 1? Ď S, enter delivery address below: 🛛 No Article Addressed to; lfΥ 3. Service Type Certified Mail Express Mail Return Receipt for Merchandise Registered C.O.D. Insured Mail 4. Restricted Delivery? (Extra Fee) 🛛 Yes 4774 2576 2008 0150,0003 Article Number (Transfer from service label) 102595-02-M-1540 **Domestic Return Receipt** PS Form 3811, February 2004 U.S. Postal Servicem CERTIFIED MAIL, RECEIPT 257L (Domestic Mell Only; No Insurence Coverege Provided) For delivery information visit our website at www.usps.com. S E ( ) Ŧ HETON 4771 NR Postage \$ **Certified Fee** m FARM. 000 Return Receipt Fee (Endorsement Required) 2010 Restricted Delivery Fee (Endorsement Required) 50 usp<sup>5</sup> 1 \$ Total Postage & Fees 7008 Č, or PO Box No. PS Form SEOD. August 2008 See Reverse for Instructions



James McDaniel /FAR/CTOC 04/15/2010 09:58 AM To brandon.powell@state.nm.us

СС

bcc Kurt Hoekstra/FAR/CTOC@CTOC, Kim Champlin/FAR/CTOC@CTOC, Martin Nee/FAR/CTOC@CTOC, Tony Espinosa/FAR/CTOC@CTOC Subject OH Randel #8 BGT Closure Activities

#### Brandon,

Please consider this email the 72 Hour Notice for the OH Randel #8 well site pit tank closure activities, API 3004524788. Located in Section 9, Township 26N, Range 11W, Unit F, San Juan County, New Mexico. The surface owner has been notified. Closure activities are scheduled to begin Monday, April 19th, 2010. Thanks much.



James McDaniel

EH&S Specialist XTO Energy, Inc. Office # 505-303-3701 Cell # 505-767-0519

### XTO Energy, Inc. OH Randel #8 Section 9, Township 26N, Range 11W Closure Date 4/18/2010



Photo 1: OH Randel #8 Well Site after Backfill and Recontour (View 1)



Photo 2: OH Randel #8 Well Site after Backfill and Recontour (View 2)