District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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

Form C-144

Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application Proposed Alternative Method Permit or Closure Plan Application										
246 Proposed Alternative Method Permit or Closure Plan Application										
Type of action: Below grade tank registration Permit of a pit or proposed alternative method MAR 0 2 2015										
US-3\\\(\text{Losure of a pit, below-grade tank, or proposed alternative method}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\										
or proposed alternative method										
Instructions: Please submit one application (Form C-144) per individual pit, 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 County Road 3100, Aztec, NM 87410										
Facility or well name: Ute Indians A # 36										
API Number: <u>30-045-31604</u> OCD Permit Number:										
U/L or Qtr/Qtr P Section 27 Township 32N Range 14W County: San Juan										
Center of Proposed Design: Latitude 36.95417 Longitude -108.29028 NAD: ☐1927 ☐ 1983										
Surface Owner: Federal State Private Tribal Trust or Indian Allotment										
Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Multi-Well Fluid Management Low Chloride Drilling Fluid □ yes □ no □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other volume:										
3. Subsection I of 19.15.17.11 NMAC										
Volume: 120 bbl Type of fluid: Produced Water										
Tank Construction material: Steel										
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off										
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other										
Liner type: Thicknessmil										
4.										
Alternative Method:										
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.										
5. 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 Four foot height, steel mesh field fence (Hogwire) with pipe top railing.										

6. Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☒ Other Expanded metal	
Monthly inspections (If netting or screening is not physically feasible)	
7.	
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 19.15.16.8 NMAC	
8. Variances 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:	
☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. 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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ⊠ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
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. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) 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. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flerwing protone area significant protone area labeled significant protone area.	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
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).	
	☐ Yes ☐ No
Within 1000 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 spring or a fresh water well used for domestic or stock watering purposes, 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 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NM Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doct 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 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 19.1 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	uments are NMAC 5.17.9 NMAC
Multi-Well Fluid Management Pit 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 documentation. 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 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.1 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.19 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	15.17.9 NMAC

12. 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 c	documents are
Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC 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 Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Through Drilling Workever Experience Conjugate to the proposed Conjugate Tools of Multi-well Experience Conjugate to the proposed Conjugate Tools of Multi-well Experience Conjugate to the proposed Conjugate Tools of Multi-well Experience Conjugate to the proposed Conjugate Conjugate to the proposed Conjugate	hiid Managamant Dit
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	und Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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 C 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 H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
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 sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 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 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; 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 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	
Within a 100-year floodplain. FEMA map	☐ Yes ☐ No
- Privid map	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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 E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements 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 Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
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 beli	ef
	01.
Name (Print): Kurt Hoekstra Title: EHS Coordinator	
Signature: Luit Hinkeliu Date: October 8th, 2014	
e-mail address: Kurt_Hoekstra@xtoenergy.com Telephone: (505) 333-3100	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	
OCD Representative Signature: Approval Date: 3/9/	15
Title: Evivonmental Spec OCD Permit Number:	
Closure Report (required within 60 days of closure completion): 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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 12-10-2014	
20.	
Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-logical of the different from approved plan, please explain.	oop systems only)
21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in mark in the box, that the documents are attached. □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure for private land only) □ 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 □ NAD: □1927	

Operator Closure Certification:	
	and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Kurt Hoekstra	Title: _EHS Coordinator
Signature: Kurt Hoekstra@xta	Date: 2-23-15 Denergy.com Telephone: <u>505-333-3100</u>

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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

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

			Rele	ease Notific	eation	and Co	rrective A	ction					
						OPERA	ΓOR			al Report		Final Report	
Name of Co						Contact: Ku							
Address: 38		<u> </u>	lew Mexi	co 87410			No.: (505) 333-3						
Facility Nan	ne: Ute Inc	dians A #36			<u>}</u>	Facility Type: Gas Well (Ute Dome Paradox)							
Surface Ow	ner: Ute M	Iountain Tril		API No	.: 30-045-3	1604							
				LOCA	ATION	OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	Vest Line	County			
P	27	32N	14W	932	FS	SL	845	F	EL	San Juan			
				Latitude 36.9	5417	Longitu	ıde -108. 29028	1					
				NAT	URE	OF RELI	EASE						
Type of Relea							Release: Unknov			Recovered: N			
Source of Re	lease: Belov	w Grade Tank	`			Date and H Unknown	lour of Occurrenc	e:	Date and	Hour of Dis	covery	: 11-13-2014	
Was Immedia	ite Notice (l Yes [No 🛛 Not R	equired	If YES, To	Whom?						
By Whom?			105	, 1.0 Z 1.01.K		Date and I-	lour						
Was a Water	course Reac	_		7			lume Impacting t	he Wate	rcourse.				
	· · · · · · · · · · · · · · · · · · ·	L				<u> </u>							
If a Watercou	rse was Im	pacted, Descr	ibe Fully.	k									
location. The The sample re ppm via USE	soil beneat eturned resu PA Methoo	h the BGT wa alts below the 18015 at 1349	as sampled Table 1 st ppm. cor	n Taken.* The be I for TPH via USI landards for benz Ifirming that a rel Method 8015 GR	EPA Met ene, TPH ease has	hod 8015 and Method 413 occurred at t	d 418.1, for BTEX 8.1 chlorides, and his location. The	K via US total BT Table 1	SEPA Meth ΓΕΧ, but al closure star	od 8021, an	d for to H Stan	otal chlorides.	
Describe Are location.	a Affected	and Cleanup A	Action Tal	ken.*Based on TP	H results	s of 1349 ppr	n via USEPA Me	thod 801	15, a releas	e has been c	onfirm	ed at this	
I hereby certi regulations al public health should their c	I operators or the envi- operations hament. In a	are required to ronment. The lave failed to addition, NMC	o report and acceptant adequately OCD acceptant	e is true and comp nd/or file certain i ce of a C-141 report investigate and to otance of a C-141	elease no ort by the emediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thr e the operator of	etive acti eport" d eat to gr responsi	ons for rele oes not rele ound water bility for co	eases which leve the open surface wat ompliance water	may en rator of iter, hu vith any	ndanger f liability ıman health	
						OIL CONSERVATION DIVISION							
Signature: /	but Ho	tehu				Approved by	Environmental S	pecialist	:				
Printed Name	: Kurt Hoe	kstra											
Title: EHS C	oordinator			* ***		Approval Da	le:		Expiration	Date:			
E-mail Addre	ess: Kurt_H	oekstra@xtoe	energy.con	n		Conditions o	f Approval:			Attached			
Date: 2.2	3-15	Phone: 50	5-333-310	00									



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0109

Samples Received: 11/6/2014 4:10:00PM

Job Number: 98031-0528

Work Order: P411021

Project Name/Location: Ute Indians A #36

Entire Report Reviewed By:

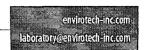
Date:

11/13/14

Supplement to analytical report generated on: 11/12/14 3:25 pm

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





XTO Energy Inc. 382 CR 3100

Aztec NM, 87410

Project Name:

Ute Indians A #36

Project Number: Project Manager: 98031-0528 James McDaniel **Reported:** 13-Nov-14 13:24

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P411021-01A	Soil	11/06/14	11/06/14	Glass Jar, 4 oz.





382 CR 3100 Aztec NM, 87410 Project Name:

Ute Indians A #36

Project Number:

98031-0528

Project Manager:

James McDaniel

Reported: 13-Nov-14 13:24

BGT Cellar P411021-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8021B	
Toluene	0.12	0.10	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8021B	
Ethylbenzene	1.10	0.10	mg/kg	I	1445028	11/07/14	11/10/14	EPA 8021B	
p,m-Xylene	17.2	0.20	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8021B	
o-Xylene	2.84	0.10	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8021B	
Total Xylenes	20.0	0.10	mg/kg	ı	1445028	11/07/14	11/10/14	EPA 8021B	
Total BTEX	21.2	0.10	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	50	-150	1445028	11/07/14	11/10/14	EPA 8021B	
Nonhalogenated Organics by 8015					<u>. </u>				
Gasoline Range Organics (C6-C10)	329	10.0	mg/kg	1	1445028	11/07/14	11/10/14	EPA 8015D	
Diesel Range Organics (C10-C28)	1020	30.0	mg/kg	1	1445029	11/07/14	11/07/14	EPA 8015D	
Surragate: o-Terphenyl		114%	50	-200	1445029	11/07/14	11/07/14	EPA 8015D	-
Surrogate: 4-Bromochlorobenzene-FID		91.0 %	50	-150	1445028	11/07/14	11/10/14	EPA 8015D	
Total Petroleum Hydrocarbons by 418.1		<u></u>							
Total Petroleum Hydrocarbons	888	35.0	mg/kg	1	1446007	11/10/14	11/10/14	EPA 418.1	
Cation/Anion Analysis								•	
Chloride	275	9.98	mg/kg	1	1445031	11/07/14	11/07/14	EPA 300.0	



Project Name:

Ute Indians A #36

382 CR 3100 Aztec NM, 87410 Project Number:

98031-0528

Project Manager:

James McDaniel

Reported: 13-Nov-14 13:24

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1445028 - Purge and Trap EPA 5	030A									
Blank (14450 <u>28-BLK1)</u>				Prepared: 0	6-Nov-14	Analyzed:	07-Nov-14			_
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	н							
Ethylbenzene	ND	0.10	u							
p,m-Xylene	ND	0.20	н							
o-Xylene	ND	0.10	u u							
Total Xylenes	ND	0.10	11							
Total BTEX	ИD	0.10	"							
Surrogute: 4-Bromochlorobenzene-PID	0.371		"	0.400	\. -	92.8	50-150			
LCS (1445028-BS1)				Prepared: 0	6-Nov-14	Analyzed:	07-Nov-14			
Benzene	20.7	0.10	mg/kg	20.0		104	75-125			
Toluene	20.3	0.10	н	20.0		102	70-125			
Ethylbenzene	20.3	0.10	н	20.0		102	75-125			
p,m-Xylene	41.8	0.20	**	40.0		105	80-125			
o-Xylene	20.3	0.10	"	20.0		102	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.380		"	0.400		95.0	50-150			
Matrix Spike (1445028-MS1)	Sour	ce: P411019-	01	Prepared: 0						
Benzene	21.2	0.10	mg/kg	20.0	ND	106	75-125			
Toluene	20.6	0.10	"	20.0	ND	103	70-125			
Ethylbenzene	20.9	0.10	"	20.0	ND	105	75-125			
p,m-Xylene	42.6	0.20	•	39.9	ND	107	80-125			
o-Xylene	21.1	0.10		20.0	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-PH)	0.387		"	0.399		97.0	50-150			
Matrix Spike Dup (1445028-MSD1)	Sour	ce: P411019-	01	Prepared: 0	6-Nov-14	Analyzed:	07-Nov-14			
Benzene	18.4	0.10	mg/kg	20.0	ND	92.1	75-125	14.2	15	
Toluene	18.0	0.10	**	20.0	ND	90.0	70-125	13.6	15	
Ethylbenzene	17.4	0.10	п	20.0	ND	87.1	75-125	18.4	15	DI
p,in-Xylene	39.8	0.20	11	40.0	ND	99.6	80-125	6.70	15	DI
o-Xylene	18.3	0.10	**	20.0	ND	91.3	75-125	14.6	15	
Surrogate: 4-Bromochlorobenzene-PID	0.404		n	0.400		101	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

laboratory@envirotech-inc.com

envirotech-inc.com



Project Name:

Ute Indians A #36

382 CR 3100 Aztec NM, 87410 Project Number:

98031-0528

Project Manager: Jame

James McDaniel

Reported:

13-Nov-14 13:24

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

	.	Reporting	• • •	Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1445028 - Purge and Trap EPA 5030A										
Blank (1445028-BLK1)				Prepared: (6-Nov-14	Analyzed:	07-Nov-14			
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.363		"	0.400		90.9	50-150			
LCS (1445028-BS1)				Prepared: (6-Nov-14	Analyzed:	07-Nov-14			
Gasoline Range Organics (C6-C10)	273	9.99	mg/kg	292		93.5	80-120	_		
Surrogate: 4-Bromochlorobenzene-FID	0.371		"	0.400		92.9	50-150			
Matrix Spike (1445028-MS1)	Sou	rce: P411019-	01	Prepared: 06-Nov-14 Analyzed: 07-Nov-14						
Gasoline Range Organics (C6-C10)	285	9.98	mg/kg	291	13.5	93.2	75-125			
Surrogate: 4-Bromochlarobenzene-FID	0.374		"	0.399		93.8	50-150			
Matrix Spike Dup (1445028-MSD1)	Sou	rce: P411019-	01	Prepared: (6-Nov-14	Analyzed:	07-Nov-14			
Gasoline Range Organics (C6-C10)	418	9.99	mg/kg	292	13.5	139	75-125	37.8	15	DI
Surrogate: 4-Bromochlorobenzene-FID	0.351		"	0.400		87.7	50-150			



Project Name:

Ute Indians A #36

382 CR 3100 Aztec NM, 87410

Project Number: Project Manager: 98031-0528 James McDaniel

Reported: 13-Nov-14 13:24

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1445029 - DRO Extraction EPA 3	550M									
Blank (1445029-BLK1)				Prepared: (06-Nov-14	Analyzed:	07-Nov-14			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	42.9		,,	40.0		107	50-200			
LCS (1445029-BS1)				Prepared: (06-Nov-14	Analyzed:	07-Nov-14			
Diesel Range Organics (C10-C28)	517	25.0	mg/kg	500		103	38-132			
Surrogate: o-Terphenyl	44.4		"	40.0		111	50-200			
Matrix Spike (1445029-MS1)	Sour	ce: P411019-	01	Prepared: (06-Nov-14	Analyzed:	_			
Diesel Range Organics (C10-C28)	615	34.9	mg/kg	498	ND	123	38-132			
Surrogate: o-Terphenyl	50.9		"	39.9		128	50-200			
Matrix Spike Dup (1445029-MSD1)	Sour	ce: P411019-	01	Prepared: (06-Nov-14	Analyzed:	07-Nov-14			
Diesel Range Organics (C10-C28)	834	34.9	mg/kg	499	ND	167	38-132	30.2	20	D1
Surrogate: o-Terphenyl	67.9		,,	39.9		170	50-200			



Project Name:

Ute Indians A #36

382 CR 3100

Project Number: Project Manager: 98031-0528 James McDaniel

Reported: 13-Nov-14 13:24

Aztec NM, 87410

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1446007 - 418 Freon Extraction			,							
Blank (1446007-BLK1)				Prepared &	: Analyzed:	10-Nov-14				
Total Petroleum Hydrocarbons	ND	35.0	mg/kg							
Duplicate (1446007-DUP1)	Sour	ce: P411026-	01	Prepared &	: Analyzed:	10-Nov-14				
Total Petroleum Hydrocarbons	ND	35.0	mg/kg		ND				30	
Matrix Spike (1446007-MS1)	Source: P411026-01			Prepared &	: Analyzed:	10-Nov-14				
Total Petroleum Hydrocarbons	1870	35.0	mg/kg	2020	ND	92.9	80-120			





382 CR 3100 Aztec NM, 87410 Project Name:

Ute Indians A #36

Project Number:

98031-0528

Project Manager:

James McDaniel

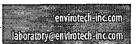
Reported:

13-Nov-14 13:24

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1445031 - Anion Extraction EPA 300.0										
Blank (1445031-BLK1)				Prepared &	Analyzed:	07-Nov-14	<u> </u>	_		
Chloride	ND	9.82	mg/kg							
LCS (1445031-BS1)				Prepared &	k Analyzed:	07-Nov-14				
Chloride	472	9.98	mg/kg	499		94.6	90-110			
Matrix Spike (1445031-MS1)	Sou	rce: P411019-	01	Prepared &	red & Analyzed: 07-Nov-14					
Chloride	748	9.98	mg/kg	499	306	88.7	80-120			
Matrix Spike Dup (1445031-MSD1)	Source: P411019-01		Prepared &	k Analyzed:	07-Nov-14	<u>. </u>				
Chloride	715	9,91	mg/kg	495	306	82.6	80-120	4.54	20	





Project Name:

Ute Indians A #36

382 CR 3100

Project Number:

98031-0528

Reported:

Aztec NM, 87410

Project Manager:

James McDaniel 13-Nov-14 13:24

Notes and Definitions

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

		Quot	e Number	THE STATE OF THE S		~				Ar	ralys	15		Lab Information
	ļ	XTC	Contact	·····	 	Page of KTO Contact Phon								CIGAZI
			es .			486-9543								98031-0528
MENERGY					Results t	to:								Office Abbreviations
Western Division	37	JAMES, KNET, LOGAN					1		l			Farmington = FAR		
Well Site/Location	4	API	Number		. 77.	Test Reason				. 1	j.			Durango = DUR Bakken = BAK
Collected By			5 - 3166 ples on Ice	<u>⊃</u> T		GT CLOSURE	E TEA		1		ľ		-	Raton = RAT
KURT			(N) N)		X Ste	andard	!	-	S	7	7			Piceance = PC
Company XTO		QA/QC	Requested	1		ext Day vo Day		418	100	1708	w			Roosevelt = RSV La Barge = LB
Signature / / /		1	Y			ree Day		A	So	30	4		· .	Orangeville = OV
V 411 1.t.	•	Gray Areas f	for Lab Use	Only!	Std. Date Ne	. 5 Bus. Days (by	contract)	-	- 1	1	CORTO			
full swepter		<u> </u>			Date Me	reasa	No. of	127	五	BIEX	H			
Sample ID	San	nple Name	Media	Date	Time	Preservative	Conts.		1-	四	. 9	.		Sample Number
FARKH 110614-8900	BGT	CELLAR	-5	11-6	9:00	من زده	Ĭ,	X	Х	X	Х.			7411021-01
										 			<u> </u>	
	<u> </u>				, , , , , , , , , , , , , , , , , , ,	ļ				 			 	
	· .		ļ ·			<u> </u>	ļ			 			-	
				<u> </u>	ļ	<u> </u>	 	\vdash						
			 		 		 	\vdash			\rightarrow			
			 	-	<u> </u>		ļ. —		-		-+		-+	-
	7.1				<u> </u>						1			
		4, 12			F							,		
		1.	: :		÷		. '		,					
			15.5				9 .							
Media: Filter = F Soil = 5 Warter		W Groundwate		inking V	CONTRACTOR			r =: SW	Air	:=.A.	Drill	Mud	= DM O	ther = OT
Relinguished By (Yignature)			Date:	1.4	Time: 4:/0	Received By: (Sig	inature)					Num	iber of	Bottles Jample Condition
Relinquished By: (Signature)	<u> </u>		11-6 Date:	14	Time:	Received By: (Sig	jnature)					Tem	pgroty:	re: Cov
Relinquished By: (Signature)			Date:		Time:	Received for Lab) by) (Signa	ture)				Date	e: Ti	and the state of t

* Sample ID will be the office and sampler-date-military time: FARIM-MMDDYY-1200.

0109

Rage 10 of 10

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

Lease Name: Ute Indian A # 36 API No.: 30-045-31604

Description: Unit P, Section 27, Township 32N, Range 14W, 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

- XTO will obtain approval of this closure plan prior to commencing closure of the below grade tank at this location pursuant to 19.15.17.13.C (1) NMAC
 Approval date of this closure plan was November 3rd, 2014
- 2. XTO will notify the surface owner by certified mail, return receipt requested, that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include:
 - a. Well Name
 - b. API#
 - c. Well Location

The surface owner was notified on November 3rd, 2014 via email. Email has been approved as a means of surface owner notification to the BLM by Brandon Powell, NMOCD Aztec Office.

- 3. XTO will notify the NMOCD Aztec Office by email that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operation. Notice will include:
 - a. Well Name
 - b. API#
 - c. Well Location

Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on November 3rd, 2014; see attached email printout.

4. Within 60 days of cessation of operations, 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:

- a. Soils, tank bottoms, produced sand, pit sludge and other exempt wastes impacted by petroleum hydrocarbons will be disposed of at:

 Envirotech: Permit #NM01-0011 and IEI: Permit # NM01-0010B
- b. Produced Water will be disposed of at:

 Basin Disposal: Permit # NM01-005 and XTO owned salt water Disposal Facilities

 All liquids and sludge were removed from the tank prior to closure activities.
- 5. Within six (6) months of cessation of operations, 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. If there is any equipment associated with a below-grade tank, then the operator shall remove the equipment, unless the equipment is required for some other purpose.
 - 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.
 - All equipment has been removed due to the plugging an abandoning of the Ute Indian A # 36 well site.
- 6. XTO will collect a closure sample of the soil beneath the location of the below grade tank that is being closed. The closure sample will consist of a five-point composite sample to include any obvious stained or wet soils, or other evidence of contamination. The closure sample will be analyzed for all constituents listed in Table I below, including DRO+GRO, Chlorides, TPH, benzene and BTEX.
 - A five point composite sample was taken of the pit using sampling tools and all samples tested per 19.15.17.1.3. (Sample results attached)

TABLE I									
Depth Below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit						
	Chloride	EPA 9056	600 mg/kg						
	TPH	Method 418.1	100 mg/kg						
	BTEX	Method 8021B	50 mg/kg						
≤ 50 Feet	Benzene	Method 8021B	10 mg/kg						
	Chloride	EPA 9056	10,000 mg/kg						
	TPH	Method 418.1	2,500 mg/kg						
	GRO + DRO	Method 8015	1,000 mg/kg						
	BTEX	Method 8021B	50 mg/kg						
51 feet - 100 feet	Benzene	Method 8021B	10 mg/kg						
	Chloride	EPA 9056	20,000 mg/kg						
	ТРН	EPA 418.1	2,500 mg/kg						
	GRO + DRO	Method 8015	1,000 mg/kg						
	BTEX	Method 8021B	50 mg/kg						
> 100 feet	Benzene	Method 8021B	10 g/kg						

.

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA 8021B	0.2	< 0.10 mg/kg
BTEX	EPA 8021B	50	21.2 mg/kg
TPH	EPA 418.1	2500	888 mg/kg
Chlorides	EPA 9056	20,000 mg/kg	275 mg/kg
TPH	EPA 8015	1,000 mg/kg	1349 mg/kg

- 7. XTO will meet the limits for <50' to groundwater detailed in table I.
 - a. In accordance with Rule 19.15.17.13.C(3)(b) if contaminant concentrations exceed the proposed limit and groundwater is found to be deeper than 50°, XTO may elect to submit additional groundwater information to the Division and request a higher closure limit. XTO will submit the additional groundwater data via email documenting the depth to groundwater at the location. XTO will wait for approval of the groundwater data by the NMOCD, prior to completing closure activities at the site.

Groundwater at this location is estimated to be greater than 100 feet

b. If a higher closure limit is submitted and approved by the Division, XTO will submit a copy of the request, the groundwater information and the received approval in their closure report

A 2500 ppm TPH Method 418.1 and 1000 ppm TPH Method 8015 GRO + DRO closure is requested for this location

8. If any contaminant concentration is higher than the parameters listed in Table I of 19.15.17.13 NMAC, the division may require additional delineation upon review of the results and the operator must receive approval before proceeding with closure. If all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, then the operator can proceed to backfill the pit, pad, or excavation with non-waste containing, uncontaminated, earthen material.

The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

9. After closure has occurred, XTO will reclaim the former BGT area, if it is no longer being used for extraction of oil and gas, by substantially restoring the impacted surface area to the condition that existed prior to oil and gas operations. XTO will construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover materials. The soil cover shall consist of the background thickness of topsoil, or one foot of suitable materials to establish vegetation at the site, whichever is greater. All areas will be reclaimed as early as practicable, and as close to their original condition or land use as possible. They shall be maintained in a way as to control dust and minimize erosion.

The site has been backfilled to match these specifications.

10. XTO will complete reclamation of all disturbed areas no longer in use when the ground disturbance activities at the site have been completed. The reseeding shall take place during the first favorable growing season after closure. Reclamation activities will be considered completed when a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels, and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

The location will be recontoured to match the above specifications after the well has been

- *Re-vegetation and reclamation obligations imposed by other applicable federal, state or tribal agencies on lands managed by those agencies shall supersede the above requirements, provided they provide equal or better protection of fresh water, human health and the environment.
- 11. XTO will notify the Aztec Office of the NMOCD by C-103 when reclamation and closure activities are completed.
- 12. Within 60 days of closure, XTO will submit a closure report to the Aztec office of the NMOCD, filed on Form C-144. The report will include the following:
 - a. Proof of closure notice to NMOCD and surface owner; attached
 - b. Confirmation sampling analytical results; attached
 - c. Soil backfill and cover installation information; per OCD, BLM Specifications
 - d. Photo documentation of site reclamation; attached
 - e. Alternative Table I groundwater criteria request, groundwater information and received approval. (If Needed); **attached**

Hoekstra, Kurt

From:

Smith, Cory, EMNRD < Cory.Smith@state.nm.us>

Sent:

Monday, November 03, 2014 7:36 AM

To:

'Hoekstra, Kurt

Cc:

McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD

Subject:

RE: Ute Indians A # 36

Kurt,

After Reviewing the information Provided NMOCD is approving the closure plan with the following Condition:

XTO will test soil beneath the BGT following the Testing methods as indicated in Table I of 19.15.17.13 NMAC

o As indicated in the variance XTO may use USEPA Method 9056 in lieu of USEPA Method 300

From: Hoekstra, Kurt [mailto:Kurt Hoekstra@xtoenergy.com]

Sent: Thursday, October 30, 2014 7:06 AM

To: Smith, Cory, EMNRD

Cc: McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD

Subject: RE: Ute Indians A # 36

Cory, construction has asked me about an approved closure plan for this location have you had another chance to look at this so I can make my notifications. We would like to start closure activities on Monday November 3rd if possible.

Thank You.

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

Sent: Tuesday, October 28, 2014 7:42 AM

To: Hoekstra, Kurt

Cc: McDaniel, James; Hixon, Logan; Powell, Brandon, EMNRD

Subject: RE: Ute Indians A # 36

Kurt,

The OCD does not allowed Operators to only reference previously approved permits. Please Print/Copy the pertinent ground water information from that permit and send it in by Email or hard copy and I can attach it to the current Closure Plan that is awaiting approval.

If you choose to send it in by hard copy please include a cover letter indicating which Closure plan it is for.

Thank you,

From: Hoekstra, Kurt [mailto:Kurt Hoekstra@xtoenergy.com]

Sent: Monday, October 27, 2014 11:09 AM

To: Smith, Cory, EMNRD

Cc: McDaniel, James; Hixon, Logan **Subject:** Ute Indians A # 36

Cory,

I am sending this second request for approval for the closure plan only for the BGT cellar at the Ute Indians A # 36. A BGT has already been closed at this same site in the same spot on this location, the BGT previously closed included ground water data when it was permitted in 2008 and is on the OCD data base. Referencing that depth to groundwater information of >100' XTO would like to close the current BGT at those ground water standards.

Below is the original request sent on 10-9-2014.

Hello Brandon and Cory,

Please accept this email as a request for approval of the closure plan only for the BGT at the Ute Indians A # 36 well site (API #30-045-31604) located in Unit P, Section 27, Township 32N, Range 14W, Lat. 36.95417 Long -108.29028 San Juan County, New Mexico. The BGT was closed on May 8th 2013 due to facility upgrades .The BGT was replaced in the same location, the current BGT is being closed due to P&A of the well. I will be sending a hard copy of our new closure plan only in today's mail for you approval. Thank you for your help with this matter.

Thank You.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt Hoekstra@xtoenergy.com

Hoekstra, Kurt

From:

Hoekstra, Kurt

Sent:

Monday, November 03, 2014 8:25 AM

To:

'Smith, Cory, EMNRD'

Cc:

McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan

Subject:

BGT Closure Notification Ute Indians A # 36

Cory,

Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 36 well site (API #30-045-31604) located in

Unit P, Section 27, Township 32N, Range 14W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

XTO would like to begin closure activities on 11-6-2014 at approximately 8:00 am.

Thank You for your time in regards to this matter.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt Hoekstra@xtoenergy.com

Hoekstra, Kurt

From:

Hoekstra, Kurt

Sent:

Monday, November 03, 2014 8:26 AM

To:

'ghammond@utemountain.org'

Cc:

McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan

Subject:

BGT Closure Notification Ute Indians A # 36

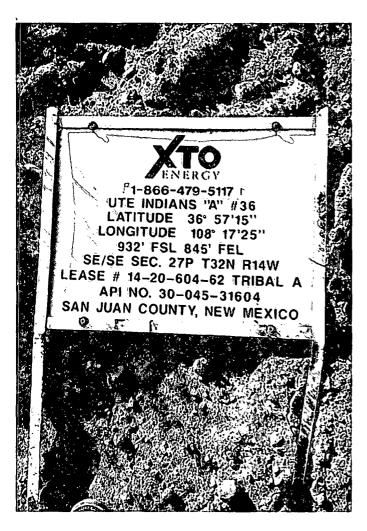
Mr. Hammond,

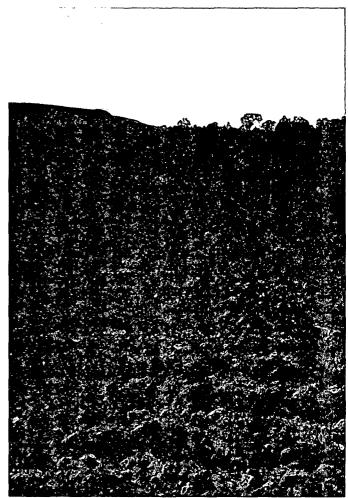
Please accept this email as the required notification for BGT closure activities at the Ute Indians A # 36 well site (API #30-045-31604) located in

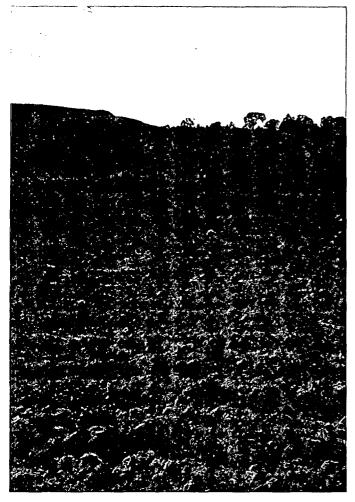
Unit P, Section 27, Township 32N, Range 14W, San Juan County, New Mexico. This below grade tank is being closed due to the P & A of this well.

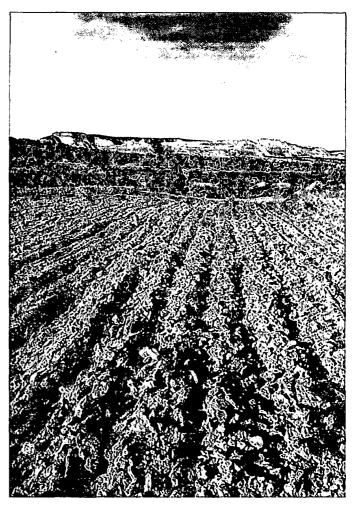
Thank You for your time in regards to this matter.

Kurt Hoekstra
EHS Coordinator
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt Hoekstra@xtoenergy.com











Division Dates

Denver

гуре

06/01/2008 - 11/01/2014 Route Stop

Type Value

U

Routel Below Grade Pit		Ute Indi	Name ians A 36	Pumper Blackburn, Shawn	Foreman Unassigned	זט	WellName E INDIANS A 36	(PA)		Number 31604	Section 27	Range 14W	Towns 32N
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	'Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation	PitType			Notes
DR	02/23/2009	11:55	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	03/08/2009	01:15	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	04/21/2009	08:45	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	05/13/2009	12:25	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	06/14/2009	12:00	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	07/06/2009	12:30	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	08/14/2009	11:25	No	No	No	No	No	4	Well Water Pit	Below Ground			
DR	09/20/2009	10:45	No	No	No	No	No	3	Well Water Pit	Below Ground			
DR	10/19/2009	10:00	No	No	No	No	No	3	Well Water Pit	Below Ground			
mth	11/21/2009	12:30	No	No	No	Yes	No	3	Well Water Pit	Below Ground			
mth	12/12/2009	02:02	No	No	No	Yes	No	3	Well Water Pit	Below Ground			
mth	01/08/2010	11:49	No	No	No	Yes	No	3	Well Water Pit	Below Ground			
mth	02/11/2010	02:20	No	No	No	Yes	No	1	Well Water Pit	Below Ground			
mth	03/13/2010	03:00	No	No	No	Yes	No	5	Well Water Pit	Below Ground			
mth	04/06/2010	03:22	No .	No	No	Yes	No	4	Well Water Pit	Below Ground			
mth	05/09/2010	10:40	No	No	No	Yes	No	5	Well Water Pit	Below Ground			
mth	06/16/2010	01:03	No	No	No	Yes	No	6	Well Water Pit	Below Ground			
mth	07/18/2010	12:22	No	No	No	No	. No	2	Well Water Pit	Below Ground			
mth	08/09/2010	15:11	No	No	No	No	No	5	Well Water Pit	Below Ground			
mth	09/08/2010	13:04	No	No	No	No	No	5	Well Water Pit	Below Ground			
mth	10/12/2010	12:56	No	No	No	No	No	4	Well Water Pit	Below Ground			
mth	11/13/2010	13:51	No	No	No	No	No	6					
mth	12/14/2010	09:41	No	No					Well Water Pit	Below Ground			
	01/15/2011	09:39			No	No	No No	4	Well Water Pit	Below Ground			
mth			No	No	No	No	No 	4	Well Water Pit	Below Ground			
mth	02/13/2011	10:36	No	No	No	No	No	5	Well Water Pit	Below Ground			
mth	03/18/2011	13:24	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	04/27/2011	11:39	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	05/09/2011	10:05	No	No	No	No	No	6	Well Water Pit				
mth mth	6/13/2011 7/12/2011	10:39 9:47	No No	No No	No No	No No	No No .	6 . 6	Well Water Pit Well Water Pit	Below Ground Below Ground			
mth	8/10/2011	8:45	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	9/12/2011	11:11	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	10/10/2011	10:45	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	11/7/2011	11:11	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	12/1/2011	10:53	No	No	No	No	No	2	Well Water Pit	Below Ground			
mth	1/9/2012	11:53	No	No	No	No	No	4	Well Water Pit	Below Ground			
mth	2/7/2012	11:00	No	No	No	No	No	6	Well Water Pit	Below Ground			
mth	3/6/2012	12:06	No	No	No	No	No	5	Well Water Pit	Below Ground			
mth	4/3/2012	11:48	No	No	No	No	No	6	Well Water Pit	Below Ground			
Buster	7 <i>/2/</i> 2012	10:40	No	No	No	No	No	4	Well Water Pit	Below Ground			
Buster	10/23/2012	11:40	No	No	No	No	No	4	Well Water Pit	Below Ground			
Buster	4/1/2013	12:50	No	No	No	No	No	6	Well Water Pit	Below Ground			

District I'
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

						OPERAT	OR		☐ Initia	al Report	⊠ Fin	nal Report
Name of Co	mpany: X	TO Energy,	Inc.			Contact: Kurt Hoekstra						
Address: 382				co 87410	7	Telephone N	lo.: (505) 333-3	100				-
Facility Nan	ne: Ute Ind	dians A #36			F	Facility Typ	e: Gas Well (Ut	e Dome	Paradox)		
Surface Own	ner: Ute M	Iountain Trib	ne	Mineral O	wner				API No	.: 30-045-31	604	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line						
Р	27	32N	14W	932	FS	SL	845	Fl	EL	San Juan	<u></u>	
	Latitude 36.95417 Longitude -108. 29028											
				NAT	URE (OF RELI						
Type of Relea				· · · · · · · · · · · · · · · · · · ·			Release: 96 BBL			Recovered: No		12.2014
Source of Rel	ease: Belov	w Grade Tank				Date and H Unknown	our of Occurrenc	e:	Date and	Hour of Disco	overy: 11-	-13-2014
Was Immedia	ite Notice (Yes [No ⊠ Not Re	quired	If YES, To	Whom?					
By Whom?						Date and H	our					
Was a Watero	course Read	hed?	Yes 🗵	No		If YES, Vo	lume Impacting t	he Wate	rcourse.			
If a Watercourse was Impacted, Describe Fully.*												
location. The The sample re USEPA Meth this location. due to an estin 200 feet. This Describe Area location. A or composite san standards for was collected 8021, but abo standards, the standards for two additiona east wall at an amples return results grante. I hereby certinegulations all public health should their or samples returns and r	soil beneat eturned rest od 418.1 a The site wa mated depth is set the clo a Affected he call was imple and a benzene at at approximate excavation TPH at 49. Il samples to proximate ned results d permission fy that the I operators or the envi-	h the BGT was alts below the tass ppm and as then ranked the to groundwas sure standard and Cleanup A made and the bottom composition of the task of the below the Standard via the task of the below the Standard was engineed and the below the Standard via the task of the task	s sampled 'Pit Rule' I the Chlor according ter of great to 100 ppi Action Tak below grapsite samp and total Bep and retuent to concessite are added to the surfandards for the excavative above or eport and acceptant adequately DCD acception.	raken.* The belfor TPH via USE spill confirmation ide Standard of 2: to the NMOCD of the than 100 feet, in TPH, 10 ppm between the collected. TEX at 1.042 via the second as the collected in the depth of the below Table 1 st. LM representative are and a surface of Spill Clean-Up at the collected is true and compand/or file certain received a C-141 reportance of a C-141 reportance of a C-141	PA Met of standard ppm and standard ppm. The standard ppm. The standards are witness ample vend Reclaction is relete to the elease nor by the emediate	hod 8015 and rds for benze at 275 ppm v es for the Re et to a water w and 50 ppm t ed. The BGT ll composite sethod 8021 airds for benze excavation eep. At 25' d and a request the sample owhere the impartation for the equired. The best of my of the best of my of the contamination to the contamination t	d 418.1, for BTEX ne, and total BTEX ne, and total BTEX is USEPA Methomediation of Leaf ell greater than I total BTEX. via USEPA Methomedia was excave as ample was collected at 7PH at 88 ppm ne at < 0.10 ppm continued to a deep another botto at to close the except and the was a collection. On 12-wasted soil had been at the Wountain was a collection which was a collection where the Mountain was a collection of the Ute Mountain was a collection of the waste	K via US X, but ald 300.0, ks, Spills 000 feet, and 418. vated to a cted at aprilement of 2 and total epith of 2 are staged. Ute Tribunderstan ctive active	EPA Meth bove the T confirming and Release, and distard and distard proximate proximate EPA Meth all BTEX at 0' and the e was colle was sent to a discrete s d for truckie. The BLM and that pursons for releoes not reliound water billity for c	od 8021, and PH Standard of that a release uses. The site of the standard of that a release uses. The site of the standard of	for total of 100 pp e has occuwas ranke water les offirmed at 14' deep, and was be Bottom se BLM repollected of I farm. The result of the second of the seco	chlorides. om via urred at ed a 20 ss than t this a wall elow sample Method elts below equested from the hese es sample and nger bility h health
Signature: /	V [11	1					OIL CON			DIVISIO	<u> </u>	
Signature: /	tuet No	selle				Approved by	Environmental S	pecialist	:			
Printed Name: Kurt Hoekstra												

Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com Date: 2-23-\5 Phone: 505-333-3100	Conditions of Approval:	Attached

^{*} Attach Additional Sheets If Necessary



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 24, 2014

Kurt Hoekstra XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 333-3100 FAX (555) 333-3280

RE: Ute Indians A #36 OrderNo.: 1411922

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/21/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Onlist

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1411922

Date Reported: 11/24/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: FARKH-112014-1300

Project: Ute Indians A #36 Collection Date: 11/20/2014 1:00:00 PM

Lab ID: 1411922-001 Matrix: SOIL Received Date: 11/21/2014 7:18:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Anal	yst: BCN
Diesel Range Organics (DRO)	1800	99		mg/Kg	10	11/21/2014 12:18:04	1 PM 16510
Surr: DNOP	0	63.5-128	S	%REC	10	11/21/2014 12:18:04	4 PM 16510
EPA METHOD 8015D: GASOLINE RA	NGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	840	83		mg/Kg	20	11/21/2014 10:37:17	7 AM R22709
Surr: BFB	371	80-120	S	%REC	20	11/21/2014 10:37:17	7 AM R22709
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB
Benzene	ND	0.41		mg/Kg	20	11/21/2014 10:37:17	7 AM R22709
Toluene	ND	0.83		mg/Kg	20	11/21/2014 10:37:17	7 AM R22709
Ethylbenzene	3.1	0.83		mg/Kg	20	11/21/2014 10:37:17	7 AM R22709
Xylenes, Total	46	1.7		mg/Kg	20	11/21/2014 10:37:17	7 AM R22709
Surr: 4-Bromofluorobenzene	120	80-120		%REC	20	11/21/2014 10:37:17	7 AM R22709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Е
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDImit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

Page 1 of 4

- P Sample pH greater than 2.
- RLReporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411922

24-Nov-14

Client:

XTO Energy

Project:

Ute Indians A #36

Sample ID MB-16510 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: **PBS** Batch ID: 16510 RunNo: 22684 Prep Date: 11/21/2014 Analysis Date: 11/21/2014 SeqNo: 669675 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit Diesel Range Organics (DRO) ND 10 Surr: DNOP 7.5 10.00 75.4 63.5 128

SampType: LCS Sample ID LCS-16510 TestCode: EPA Method 8015D: Diesel Range Organics Client ID: LCSS Batch ID: 16510 RunNo: 22684 Prep Date: 11/21/2014 Analysis Date: 11/21/2014 SeqNo: 669676 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte 46 Diesel Range Organics (DRO) 10 50.00 0 92.6 68.6 130 Surr: DNOP 3.3

66.8

63.5

128

5.000

Qualifiers:

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits S

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Sample pH greater than 2.

RLReporting Detection Limit Page 2 of 4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411922

24-Nov-14

Client:

XTO Energy

Project:

Ute Indians A #36

Sample ID MB-16499 MK SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

LowLimit

65.8

80

80

Client ID: PBS

Batch ID: R22709

RunNo: 22709

Prep Date:

Analysis Date: 11/21/2014

SeqNo: 670016

Units: mg/Kg

HighLimit

Analyte

Result PQL ND 5.0

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

900

1000

SPK value SPK Ref Val %REC

SPK Ref Val

SPK Ref Val

0

89.6

120

Sample ID LCS-16499 MK

Batch ID: R22709

POL

5.0

RunNo: 22709

TestCode: EPA Method 8015D: Gasoline Range

%RPD

Analyte

Client ID: LCSS SampType: LCS

Prep Date:

Analysis Date: 11/21/2014

Result

22

980

SPK value

25.00

SeqNo: 670017 %REC

87.8

Units: mg/Kg

%RPD HighLimit

Gasoline Range Organics (GRO) Surr: BFB

1000

98.3 TestCode: EPA Method 8015D: Gasoline Range

139 120

120

RPDLimit

Qual

Sample ID MB-16499

SampType: MBLK

Batch ID: 16499

RunNo: 22709

SeqNo: 670022

Units: %REC

Analyte

Client ID:

Prep Date:

11/20/2014

PBS

Analysis Date: 11/21/2014

SPK value SPK Ref Val

1000

%REC 89.6

LowLimit HighLimit

80

%RPD

Qual

RPDLimit

Surr: BFB Sample ID LCS-16499 900

Result

SampType: LCS Batch ID: 16499

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 22709

Client ID: Prep Date:

LCSS

11/20/2014 Analysis Date: 11/21/2014

SeqNo: 670032

Units: %REC

Qual

Analyte Surr: BFB

980

Result

1000

SPK value

%REC 98.3

LowLimit

%RPD

RPDLimit

80

HighLimit 120

S

Qualifiers: Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

Е Value above quantitation range

Analyte detected below quantitation limits j

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

Sample pH greater than 2.

Reporting Detection Limit

Page 3 of 4

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411922

24-Nov-14

Qual

Qual

Client: Project: XTO Energy

Ute Indians A #36

Sample ID	MB-16499 I	۷K
-----------	------------	----

SampType: MBLK

PQL

TestCode: EPA Method 8021B: Volatiles

80

PBS Client ID:

Batch ID: R22709

RunNo: 22709

%RPD

%RPD

Prep Date:

Analysis Date: 11/21/2014

Result

ND

SPK value SPK Ref Val %REC LowLimit

SeqNo: 670064

Units: mg/Kg HighLimit

RPDLimit

RPDLimit

Analyte Benzene

ND 0.050 Toluene ND 0.050 Ethylbenzene ND 0.050

Xylenes, Total Surr: 4-Bromofluorobenzene

0.98 1.000

0.10

97.6 TestCode: EPA Method 8021B: Volatiles

120

Sample ID LCS-16499 MK

SampType: LCS Batch ID: R22709

RunNo: 22709

Client ID: Prep Date:

LCSS

Analysis Date: 11/21/2014

SeqNo: 670065

Units: mg/Kg

120

120

120

120

120

HighLimit

Result **PQL** SPK value SPK Ref Val %REC Analyte LowLimit Benzene 0.98 0.050 1.000 0 97.7 80 0.96 0.050 1.000 0 96.4 Toluene 80 Ethylbenzene 0.98 0.050 1.000 0 98.4 80 Xylenes, Total 2.9 0.10 3.000 0 96.8 80 Surr: 4-Bromofluorobenzene 1.0 1.000 103 80

Sample ID MB-16499

PBS

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Batch ID: 16499

RunNo: 22709

Prep Date: 11/20/2014

Client ID:

Analysis Date: 11/21/2014

SeqNo: 670070

97.6

Units: %REC

Analyte

Result PQL 0.98

SPK value SPK Ref Val

%REC

LowLimit

80

HighLimit %RPD 120

RPDLimit Qual

Surr: 4-Bromofluorobenzene

Sample ID LCS-16499

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

Batch ID: 16499

RunNo: 22709

Units: %REC

Prep Date: 11/20/2014

Analysis Date: 11/21/2014

PQL

SeqNo: 670080

%RPD **RPDLimit** Qual

Analyte

Surr: 4-Bromofluorobenzene

Result 1.0

1.000

SPK value SPK Ref Val

1.000

%REC 103

80

LowLimit

HighLimit 120

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2.
- Reporting Detection Limit RL

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com Client Name: XTO Energy Work Order Number: 1411922 RcptNo: 1 Received by/date: anne Sham Logged By: **Anne Thorne** 11/21/2014 7:18:00 AM 11/21/2014 Completed By: **Anne Thorne** 11/21/14 Reviewed By: **I**O Chain of Custody Yes [Not Present 1. Custody seals intact on sample bottles? No 🗆 Yes 🗸 No 🗌 Not Present 2. Is Chain of Custody complete? 3 How was the sample delivered? Courier Log In No 🗌 NA 🗌 4. Was an attempt made to cool the samples? NA 🗆 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 No 🗆 Yes 🔽 6. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? No 🗆 8. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗆 9. Was preservative added to bottles? Yes No 🗌 Yes 🗀 No VOA Vials 10. VOA vials have zero headspace? Yes 🗌 No 🗹 11. Were any sample containers received broken? # of preserved bottles checked 12. Does paperwork match bottle labels? Yes 🛂 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? No 🗆 13. Are matrices correctly identified on Chain of Custody? No 🔲 14. Is it clear what analyses were requested? Yes 🗹 No 🗌 Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 NA 🗹 16. Was client notified of all discrepancies with this order? Person Notified: Date By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler information Cooler No. Temp °C Condition: Seal Intact Seal No. Seal Date Signed By 1.7 Good Yes

Name of Name of Name of Name of Name of Name of of of items of	JAME DA		NSH- Quo	te Number		T		· · · · · · · · · · · · · · · · · · ·			Ai	ıαlysi	5		Lab Inform	chion
Signostrian Sample Sample Name Media Date Time Preservative Conts. Sample		•					Page of								Eud miloini	MEIOII
Email Results to: Western Division Well Site Location UTE INDIANS A** 3 0 30 -045 - 31604 Company OA/OC Requested Signature Signature Signature Signature Signature Sample ID Sample ID Sample Name Media Date Time Preservative Cont. Signature Media Date Time Preservative Signature Media Date Time Preservative Time Preservative Media Date Time Media						,	CTO Contact Phor	ie#]				1	1		
Western Division Western Division API Number Collected By Company Comp		<u>.</u>	K	MRI		<u> </u>		<u>9543</u>					İ			
Well Size/Location API Number Well Size/Location API Number 30-045-31604 BGT Conflected By Value 1 Conflected By Value 3 Conflected By Value 3 Company OA/OC Requested XNO Day Two Day Two Day Three Day Stort Bus, Days (by contract) Date Needed Sample ID Sample Name Media Date FARM -112014-1300 Total Date FARM -112014-1300 Media Filter F, 541-5 Washouter - WW Groundwater - GW Drinking Waster - DW Sludge - SG Surface Water - SW Air - A Drill Mud - DM Other - OT Relingatished By (Signature) Date 11-20 1-20 1-30 Muddle By (Signature) Media Filter F, 541-5 Washouter - WW Groundwater - GW Drinking Waster - DW Sludge - SG Surface Water - SW Air - A Drill Mud - DM Other - OT Relingatished By (Signature) Date 11-20 1-20 Imme. Received By (Signature) Media (Signature) Date 11-20 Imme. Received By (Signature) Date 11-20 Imme. Received By (Signature) Date Time: Time: Time: Time: Received By (Signature) Date Time: Tim					Email	Results t	to:					- 1			Office Abbrev	ictions
Well Site/Location UTE Majhan S. 30 - 045 - 31604 Standard Standard Standard Standard No. of Turneround Standard No. of Turneround No. of	Western Division	n		J.	WES.	Kues	- Locar									
Standard		 	AP	Number			Test Region	\	1				1		Durango = DUR	
Standard Alice A	LITE INDIANS A#	36	30 -c	045 -3	1604	BGT	CLOSURE F	<u>oeteA</u>								
Roosevelle = RV La Bright Sample Sa			Sam	ples on Ice				,								
Signiciture State				<u> </u>				*	\sqrt{\sq}\}}}}}}}} \end{\sqrt{\sq}}}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}} \end{\sqrt{\sq\sint{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sqrt{\sint{\sq}}}}}}}} \end{\sqrt{\sqrt{\sq}}}}}} \sqrt{\sq\tinitti	7	İ	1				
Signature Sample ID Sample Name Media Date Time Preservative Conts.			QA/Q0	C Requeste	d	AP#	in Day Jake	. DAY	9	\ \Z		ł				
Sample ID Sample Name Media Date Time Preservative Conts. Sample Name Sample Number				V				1	00	25	ŀ				-	,
Sample ID Sample Name Media Date Time Preservative Conts. K K FAPLH—112014—1300 ROTTONA 110 S 11-20 1:00 013 1CE 1 X X X 1 7/1/22=2/3 Media: Filter #F \$\$it = 5 Waddowater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT Relinguished By: (Signature) Date: Time: Referenced By: (Signature) Date: Time: Referenced By: (Signature) Time: Referenced By: (Signature) Date: Time: Date: Time: Referenced By: (Signature) Date: Time: Date: Time: Date: Time: Time: Referenced By: (Signature) Date: Time:	_			Mental S			contract)	i	~			ŀ			•	
Sample Name Media Date Time Preservative Conts. FAPLH - 1/2014 - 1.300 Kottom 1(e) S 11-20 1:00 OF 1CE X X C C C X X C C C C	lust Hakily	_	C VATE		e Criv	Date No	eded		I H	<u>Il</u>						
Sample Name Media Date Time Preservative Conts. FAPLH - 1/2014 - 1.300 Kottom 1(e) S 11-20 1:00 OF 1CE X X C C C X X C C C C	/							No. of		[2]				1 1		
Media: Filter F Spil = 5 Waskewater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT Relinquished By: (Signature) Date: Time: Beceived By: (Signature) Number of Bottles: Sample Condition Received By: (Signature) Time: Received By: (Signature) Time: Condition Relinquished By: (Signature) Date: Time: Received By: (Signature) Time: Condition Relinquished By: (Signature) Date: Time: Received By: (Signature) Date: Time: Time: Time: Received By: (Signature) Date: Time:	Sample ID	Sam	ple Name	Media	Date	Time	Preservative	Conts.	Ⅰ'∣	2						
Media: Filter F Spil = 5 Washowater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT Relinquished By: (Signature) Date: Time: Beceived By: (Signature) Simple Condition Condition	FAPKH-112014-1300	Karra		5	11-70	1:pp	0116		×	X						27
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition Received By: (Signature) Time: Received By: (Signature) Time: Received By: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Da	110011 2000	<u> </u>			1,7 ===	1.00	0	1								
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30				 		<u> </u>		-						+		
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30					 	 			-			+				
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition Received By: (Signature) Time: Received By: (Signature) Time: Received By: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Da		· -		-	 -	 			Н	·				4		
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition Received By: (Signature) Time: Received By: (Signature) Time: Received By: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Da				-	ļ									+		
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition 1 - 20 - 1 + 3:30 Multium Mamber of Bottle: Sample Condition Received By: (Signature) Time: Received By: (Signature) Time: Received By: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time: Received for Lab by: (Signature) Date: Da				 	ļ								_ _	1		
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30					· .											
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30		L		<u> </u>		<u> </u>	,									
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30	·							1								
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30				[
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30						†										
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30					 						-					
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30		 			 							+		+ -		
Relinquished By: (Signature) Date: 1 - 20 - 1 + 3:30	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1111		CIII D		Umakan - D	III fludes - CC f	face Habe		A 2-		Daill M		4 046		
Refinquished By: (\$ignature) Date: Time: Received By: (\$ignature) Date: Other information		water = w\	W Groundwat		anking t				T = 3W	/ All	- A					CHT PVCC SE
Refinquished By: (Signature) Date: Time: Received By: (Signature) Time: Date: Time: Received By: (Signature) Time: Receiv		 -			ı.)		Received By: (Sig	matuile)	10				umber	ot B0		nomon
Relinquished By: (Signature) Date: Time: Received for Lab by (Signature) Date: Time: Received for Lab by (Signature)		U			-/ T		Nusua	MILL	<i>Le</i> L							
Relinquished By: (Signature) Date: Time: Received for Late Vy (Signature) Date: Time: Received for Late Vy (Signature)				Date:	lis	lime:	Heceived By: (319	inature)				0.00			PATE IS	
	7 9/1/10/2 4/4 5 7 9/1/2 5	<u> </u>			111	1117			414.545	111111520						
A successive many and a successive many and	Relinquished By: (Signature)		• •	Date:		i ime:			urer							
Commanda Com	Commonts			<u> </u>		' 			HUTERHOLD			March II.	don amen	in A fee		
	Asumene															

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

OrderNo.: 1411A44

November 26, 2014

Logan Hixon XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 386-8018 FAX (505) 333-3280

RE: Ute Indians A 36

Dear Logan Hixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/25/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1411A44

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/26/2014

CLIENT: XTO Energy Client Sample ID: Bottom 20'

 Project:
 Ute Indians A 36
 Collection Date: 11/24/2014 1:30:00 PM

 Lab ID:
 1411A44-001
 Matrix: MEOH (SOIL)
 Received Date: 11/25/2014 7:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	ORGANICS		_			Analyst	: JME
Diesel Range Organics (DRO)	1300	99		mg/Kg	10	11/25/2014 11:47:44 A	M 16562
Surr: DNOP	0	63.5-128	S	%REC	10	11/25/2014 11:47:44 A	M 16562
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	330	46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Surr: BFB	318	80-120	S	%REC	10	11/25/2014 1:42:46 PM	R22780
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.23		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Toluene	ND	0.46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Ethylbenzene	0.90	0.46		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Xylenes, Total	14	0.92		mg/Kg	10	11/25/2014 1:42:46 PM	R22780
Surr: 4-Bromofluorobenzene	111	80-120		%REC	10	11/25/2014 1:42:46 PM	R22780

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 4

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1411A44

26-Nov-14

Client:

Project:

XTO Energy

Ute Indians A 36

Sample ID MB-16562	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	1D: 16	562	R	RunNo: 2	2764				
Prep Date: 11/25/2014	Analysis D)ate: 11	1/25/2014	S	SeqNo: 6	71990	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.9		10.00		78.8	63.5	128			

11/25/2014

7.9

Result

Result

Result

4.0

8.2

50.00

5.000

10.00

5.000

78.8

63.5

Sample ID LCS-16562 Client ID: LCSS

Prep Date:

Analyte

SampType: LCS Batch ID: 16562

%REC

96.9

81.6

TestCode: EPA Method 8015D: Diesel Range Organics

RunNo: 22764 SeqNo: 671994

Units: mg/Kg

HighLimit %RPD

130

RPDLimit Qual

Diesel Range Organics (DRO) Surr: DNOP

Sample ID MB-16540

PBS

48 4.1

SampType: MBLK Batch ID: 16540

Analysis Date: 11/25/2014

PQL

10

SPK value SPK Ref Val

TestCode: EPA Method 8015D: Diesel Range Organics

LowLimit

128

63.5

68.6

63.5

Units: %REC

128

Analyte Surr: DNOP

Client ID:

Prep Date: 11/24/2014

Analysis Date: 11/25/2014

SeqNo: 672069 SPK value SPK Ref Val %REC

LowLimit 82.2

RunNo: 22764

HighLimit

%RPD

Qual

RPDLimit

Sample ID LCS-16540

SampType: LCS

PQL

Batch ID: 16540

TestCode: EPA Method 8015D: Diesel Range Organics

RunNo: 22764 SeqNo: 672266

Units: %REC

%RPD

RPDLimit Qual

Analyte Surr: DNOP

Client ID: LCSS

Prep Date: 11/24/2014

Analysis Date: 11/25/2014

SPK value SPK Ref Val

%REC 80.1

LowLimit

HighLimit

128

Oualifiers:

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Sample pH greater than 2.
- RL Reporting Detection Limit

p

Page 2 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411A44 26-Nov-14

Client:

XTO Energy

Project:

Ute Indians A 36

Sample ID 5ML RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: R22780

PQL

RunNo: 22780

Prep Date:

%REC

Analyte

Surr: BFB

Analysis Date: 11/25/2014

Result

870

SeqNo: 672970

Units: mg/Kg

RPDLimit

Qual

Gasoline Range Organics (GRO)

ND 5.0

1000

SPK value SPK Ref Val

LowLimit

HighLimit

%RPD

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: R22780

PQL

5.0

RunNo: 22780

86.7

80

Prep Date:

Analysis Date: 11/25/2014

SeqNo: 672971

Units: mg/Kg

120

Analyte

SPK value SPK Ref Val %REC

0

LowLimit HighLimit %RPD **RPDLimit** Qual 139

Gasoline Range Organics (GRO) Surr: BFB

25 1000

Result

25.00 1000 100 102

65.8 80

120

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit O
- RPD outside accepted recovery limits R
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Sample pH greater than 2. Reporting Detection Limit

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#:

1411A44

26-Nov-14

Client:

XTO Energy

Project:

Ute Indians A 36

Sample ID MB-16538 MK	Samp	Туре: М	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PB\$	Bato	h ID: R2	2780	F	RunNo: 2	2780				
Prep Date:	Analysis (Date: 1	1/25/2014	8	SeqNo: 6	73015	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120			

Sample ID LCS-16538 MK	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		· ·
Client ID: LCSS	Batcl	h ID: R2 :	2780	F	RunNo: 2	2780				
Prep Date:	Analysis [Date: 11	/25/2014	S	SeqNo: 6	73016	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	96.8	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 4 of 4



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505 345 3075 EAV: 505 345 4107

Sample Log-In Check List

Albuquerque, NM 87109 Sample Log-In Che TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name:	XTO Energy	Work Order Nur			RcptNo: 1	
Received by/da	ite:	11/25/14				
Logged By:	Lindsay Ma	ngin 11/25/2014 7:45:0	00 AM	July Hago		İ
Completed By:	Lindsay Ma	ngin 11/25/2014 8:02:	33 AM	Junky Albano		
Reviewed By:		= CA 11/25/14				
Chain of Cus	stody					
1. Custody se	als intact on sai	mple bottles?	Yes 🗌	No 🗆	Not Present	
2. is Chain of	Custody comple	ete?	. Yes 🗹	No 🗆	Not Present	
3. How was th	ie sample delive	ered?	Courier			
<u>Log In</u>						
4. Was an att	tempt made to o	cool the samples?	Yes Æ	No 🗆	na 🗆	
5. Were all sa	amples received	at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
6. Sample(s)	in proper conta	iner(s)?	Yes 🗹	No 🗌		
7. Sufficient s	ample volume f	or Indicated test(s)?	Yes 🗹	No 🗆		
8. Are sample	es (except VOA	and ONG) properly preserved?	Yes 🗹	No 🗌		
9. Was prese	rvative added to	bottles?	Yes 🗆	No 🗹	NA 🗆	
10.VOA vials i	have zero heads	space?	Yes 🔲	No 🗆	No VOA Vials 🗷	
11, Were any	sample containe	ers received broken?	Yes	No 🛃	# of preserved	
12 Does nane	rwork match bo	ttle lahels?	Yes 🗹	No 🗆	bottles checked for pH:	
	epancies on ch		163 🖭		(<2 or >	12 unless noted)
13. Are matrice	es correctly ider	ntified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
14. Is it clear w	vhat analyses w	ere requested?	Yes 🗹	No 🗀	Oh a alvad barr	
	olding times able y customer for a		Yes 🖨	No 📖	Checked by:	
Special Han	dling (if app	olicable)				
16. Was client	notified of all di	iscrepancies with this order?	Yes 🗌	No 🗆	NA 🗹	
Pers	on Notified:	C	ate:	Torres and the second s		
By W	/hom:	THE PARTY OF THE P		hone Fax	In Person	
Rega	arding:		THE CONTRACT OF THE PROPERTY O	Marie Company of the Control of the		
Clien	it Instructions:	And the second s			The second secon	
17. Additional	remarks:			,	,	
18. Cooler In	<u>formation</u>					
	No Temp ℃	·	lo Seal Date	Signed By		
1	2.1	Good Yes		akira manada ara pemahasa ara ang papar nya papaganing (1940).		

		Quo	te Number			- 1 .1	r			A	naly	SIS			Lab Information
		1 1	O Contact		,	Page 1_ of 1 XTO Contact Phon SCS 386 - S									
Z FNFRGY	•.	Lacer.	<u>m</u> ,	Email	Results	<u> </u>	8 / 185	l						8	
Western Divisio		L05	en H.					3							Office Abbreviations Farmington = FAR
Well Site/Location	A 36	AP CO COS	Number	64	ße	Test Reason T Cosuf Turnaround	د	77	/	,					Durαngo = DUR Bakken = BAK
Collected By			ples on Ice (Y / N)		•	Turnaround andard ext Day		2	ĒΧ						Raton = RAT Piceance = PC
Company		QA/Q	C Requeste	d	Tu	vo Day		3	RI						Roosevelt = RSV La Barge = LB
Signature			da da ili in			ree Day 6.5 Bus. Days (by seded 11175	contract)) S!	7 /					1	Orangeville = OV
POT SIGN							No. of	8015	802						
Sample ID + AD1H-112414-/350	Botton	ple Name	Media	Date 1/-24	Time /224	Preservative	1-402								
+ /+ VLH-112914 DIC	100 176 A	7 20	 	1/27	1350	Ceol	1 902								
	 		 	 						-				—-	
		**	1	i		-									
	 		†	<u> </u>			-					\neg	_		
		<u></u>	 					1			_		$\neg \dashv$		
			†	<u> </u>	 										
	_							 							
			 	<u> </u>		-	-								
	 		<u> </u>	 -				_							
	 		 	 	 			 		H					
			 	-	 		 	 	\vdash					-	
	 		 	 	<u> </u>		 	-							
Media : Filter = F Soil = S Waste	water = W	W Groundwat	er = GW D	rinking 4	Vaster = D)W Sludge = SG S	urface Wate	<u></u>	/ Ai	· = A	Drill	Mud:	= DM	Othe	possession in the second secon
	- 44	- GIVIIIWAL	Date:		Time:	Received By: (Sig									
Relinquished By: (Signature)			1//-2	4-14	15:00	MA La									
Relinquished By: (Signature)			Date:	,		Received By: (Sig	nature)	75	ا لع	J.J.1		Tem		ure:	Culie Information
Relinquished By: (Signature)			Date:		Time:	Received						Date		im	
Comments			- 			Carried annual of the Control of the		amagairtan	an an an ann an Ann an Ann an An	PROPERTY	net met telde	respective.	mestraili.	111111111111111111111111111111111111111	mananalosessionanidaessi suutuunin liinin ja ja ja ja ja ja ja ja ja ja ja ja ja
Į.															

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1412046

December 03, 2014

James McDaniel XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Ute Indians A #36

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/2/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1412046

Date Reported: 12/3/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: FARKH-120114-1430

Project: Ute Indians A #36

Collection Date: 12/1/2014 2:30:00 PM

Lab ID: 14

1412046-001

Matrix: SOIL

Received Date: 12/2/2014 7:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS		-			Analy	st: JME
Diesel Range Organics (DRO)	43	9.9		mg/Kg	1	12/2/2014 10:15:13 A	M 16622
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/2/2014 10:15:13 A	M 16622
Surr: DNOP	87.4	63.5-128		%REC	1	12/2/2014 10:15:13 A	M 16622
EPA METHOD 8015D: GASOLINE RAN	NGE					Analy	st: NSB
Gasoline Range Organics (GRO)	6.8	3.9		mg/Kg	1	12/2/2014 10:16:03 A	M R22878
Surr: BFB	176	80-120	S	%REC	1	12/2/2014 10:16:03 A	M R22878
EPA METHOD 8021B: VOLATILES						Analy	st: NSB
Benzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03	AM R22878
Toluene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 A	M R22878
Ethylbenzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 A	M R22878
Xylenes, Total	0.19	0.077		mg/Kg	1	12/2/2014 10:16:03 A	AM R22878
Surr: 4-Bromofluorobenzene	112	80-120		%REC	. 1	12/2/2014 10:16:03	AM R22878

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 5

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1412046

03-Dec-14

Client:

XTO Energy

Project:

Ute Indians A #36

		_		
San	nple	ID	MB-1	6598

SampType: MBLK

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID:

PBS

Batch ID: 16598

RunNo: 22870

Prep Date: 11/26/2014 Analysis Date: 12/2/2014

SeqNo: 675060

Units: %REC

Analyte

Result

RPDLimit Qual

Surr: DNOP

8.7

SPK value SPK Ref Val 10.00

86.8

LowLimit

63.5

HighLimit 128

Sample ID MB-16622

SampType: MBLK

%REC

TestCode: EPA Method 8015D: Diesel Range Organics

%RPD

PBS Client ID:

Batch ID: 16622

RunNo: 22870

Prep Date: 12/2/2014

Analysis Date: 12/2/2014

SeqNo: 675142

Units: mg/Kg

RPDLimit

Analyte

PQL

10

50

SPK value SPK Ref Val

%REC LowLimit HighLimit

Qual

Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) ND ND 6.9

10.00

69.4

63.5

128

%RPD

%RPD

Surr: DNOP

SampType: LCS

68.6

63.5

TestCode: EPA Method 8015D: Diesel Range Organics

Sample ID LCS-16622 Client ID: LCSS

Batch ID: 16622

RunNo: 22870

130

128

Analyte

Prep Date: 12/2/2014

Analysis Date: 12/2/2014

PQL

10

SPK value SPK Ref Val %REC

SeqNo: 675163 LowLimit Units: mg/Kg HighLimit

RPDLimit Qual

Diesel Range Organics (DRO) Surr: DNOP

Sample ID LCS-16598

LCSS

11/26/2014

Batch ID: 16598

Analysis Date: 12/2/2014

PQL

SampType: LCS

50.00

5.000

TestCode: EPA Method 8015D: Diesel Range Organics RunNo: 22870

87.8

71.0

Units: %REC

RPDLimit

Analyte

Result

Result

44

3.6

SPK value SPK Ref Val

SeqNo: 675175 %REC

LowLimit

HighLimit

%RPD

Qual

Surr: DNOP

Client ID:

Prep Date:

4.8

5.000

95.6

63.5

128

Qualifiers:

R

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Е
- RSD is greater than RSDlimit O
- RPD outside accepted recovery limits Spike Recovery outside accepted recovery limits S

Analyte detected below quantitation limits

- В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Sample pH greater than 2.
- Reporting Detection Limit RL
- Analyte detected in the associated Method Blank
 - Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

940

WO#:

1412046

03-Dec-14

Client:

Surr: BFB

XTO Energy

Project:

Ute Indians A #36

Sample ID MB-16613 MK	SampType: ME	BLK	Test	Code: El	PA Method	8015D: Gaso	line Rang	je	
Client ID: PBS	Batch ID: R2	2878	R	unNo: 2	2878				
Prep Date:	Analysis Date: 12	2/2/2014	S	eqNo: 6	75828	Units: mg/h	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	940	1000		94.4	80	120			
Sample ID LCS-16613 MK	SampType: LC	S	Tes	Code: El	PA Method	8015D: Gaso	oline Rang	je	
Client ID: LCSS	Batch ID: R2	2878	7	lunNo: 2	2878				
Prep Date:	Analysis Date: 12	2/2/2014	S	SeqNo: 6	75829	Units: mg/h	(g		

Analyte	Result	PQL	SPK value	SPK Rei vai	%KEC	LOWLIMIT	_ HighLimit_	%RPD_	RPDLIMIL	Quai
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	65.8	139			
Surr: BFB	1100		1000		105	80	120			
Sample ID MB-16613	Samp1	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	je	
Client ID: PBS	Batcl	h ID: 16	613	F	RunNo: 2	2878				
Prep Date: 12/1/2014	Analysis D	Date: 1:	2/2/2014	9	SeqNo: 6	75835	Units: %RE	C ,		
Analyte	Result	POI	SPK value	SPK Ref Val	%REC	Lowl imit	Highl imit	%RPD	RPDLimit	Qual

1000

Sample ID LCS-16613	SampType: LCS	Test	Code: EPA Method	8015D: Gasol	ine Rang	e	
Client ID: LCSS	Batch ID: 16613	R	unNo: 22878				
Prep Date: 12/1/2014	Analysis Date: 12/2/20	14 S	eqNo: 675836	Units: %REC	;		
Analyte	Result PQL SPK	value SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100	1000	105 80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank

120

- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 3 of 5

- Sample pH greater than 2.
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1412046

03-Dec-14

Client:

XTO Energy

Project:

Ute Indians A #36

Sample ID MB-16613 MK	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	1D: R2	2878	F	RunNo: 2	2878				
Prep Date:	Analysis D	ate: 12	2/2/2014	8	SeqNo: 6	75868	Units: mg/k	ζg		
Analyte	Result	PQL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID LCS-16613 MK	Samp	Type: LC	S	Tes						
Client ID: LCSS	Bato	h ID: R2	2878	F	RunNo: 2	2878				
Prep Date:	Analysis [Date: 1 2	2/2/2014	9	SeqNo: 6	75869	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	93.9	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID 1412046-001AM	Samp	Туре: М\$	3	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: FARKH-120114-	-1430 Batc	h ID: R2	2878	F	RunNo: 2	2878				
Prep Date:	Analysis [Date: 1 2	2/2/2014	\$	SeqNo: 6	75871	Units: mg/F	(g		
Analyte	Result	PQL.	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.039	0.7746	0	102	77.4	142			
Toluene	0.77	0.039	0.7746	0.007173	98.9	77	132			
Ethylbenzene	0.81	0.039	0.7746	0.01735	102	77.6	134			
Xylenes, Total	2.6	0.077	2.324	0.1860	104	77.4	132			
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120			

Sample ID 1412046-001AMS	D SampT	ype: MS	D	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: FARKH-120114-1	430 Batch	n ID: R2	2878	F	RunNo: 2	2878					
Prep Date:	Analysis D	ate: 12	2/2/2014	8	SeqNo: 6	75872	Units: mg/K	(g			
Analyte	Result	PQL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit _	Qual	
Benzene	0.76	0.039	0.7746	0	98.2	77.4	142	3.39	20		
Toluene	0.76	0.039	0.7746	0.007173	96.7	77	132	2.20	20		
Ethylbenzene	0.78	0.039	0.7746	0.01735	98.2	77.6	134	3.60	20		
Xylenes, Total	2.5	0.077	2.324	0.1860	99.4	77.4	132	3.76	20		
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120	0	0		

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- Sample pH greater than 2.
- Reporting Detection Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1412046

03-Dec-14

Client:

XTO Energy

Project:

Ute Indians A #36

Sample ID MB-16613

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

80

Client ID:

PBS

Batch ID: 16613

PQL

RunNo: 22878

Prep Date: 12/1/2014 Analysis Date: 12/2/2014

Units: %REC

Analyte

SegNo: 675888

Result

SPK value SPK Ref Val

105

HighLimit

Surr: 4-Bromofluorobenzene

Analyte

1.1

1.000

%REC LowLimit

120

%RPD

RPDLimit

Qual

Sample ID LCS-16613

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

Batch ID: 16613

RunNo: 22878

Units: %REC

Prep Date: 12/1/2014

Analysis Date: 12/2/2014

SeqNo: 675889

RPDLimit %RPD

Qual

1.000

SPK value SPK Ref Val

%REC 113

80

Surr: 4-Bromofluorobenzene

Result 1.1

HighLimit 120

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

В Analyte detected in the associated Method Blank Н

ND Not Detected at the Reporting Limit

P Sample pH greater than 2.

Reporting Detection Limit

Holding times for preparation or analysis exceeded Page 5 of 5



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: XTO Energy	Work Order Number:	14120	46			RcptNo:	
Received by/date: Ct, h L M	12/02/14						
Logged By: Celina Sessa	12/2/2014 7:30:00 AM			Celin	_ 5.	·	;
Completed By: Celina Sessa	12/2/2014 8:28:37 AM			Celisa Celisa	_ 5	men	
Reviewed By:	12/02/2014			·			
Chain of Custody	, , , , , , , , , , , , , , , , , , , ,						
1. Custody seals intact on sample bottles?		Yes		No		Not Present 🗹	
2. Is Chain of Custody complete?		Yes	V	No [Not Present 🗌	
3. How was the sample delivered?		Cour	<u>er</u>				
<u>Log In</u>							•
4. Was an attempt made to cool the samples	s?	Yes	\mathbf{V}	No		na 🗆	
5. Were all samples received at a temperature	re of >0° C to 6.0°C	Yes	Y	No [na 🗆	
6. Sample(s) in proper container(s)?		Yes	V	No			
7. Sufficient sample volume for Indicated test	:(s)?	Yes	\checkmark	No [
8. Are samples (except VOA and ONG) prop	erly preserved?	Yes	\checkmark	No [
9. Was preservative added to bottles?		Yes		No	✓	NA 🗌	
10.VOA vials have zero headspace?		Yes		No (No VOA Vials 🗹	
11, Were any sample containers received bro	ken?	Yes		No		# of preserved	
12.Does paperwork match bottle labels?		Yes		No		bottles checked for pH:	
(Note discrepancies on chain of custody)		103	٣		_		>12 unless noted)
13. Are matrices correctly identified on Chain	of Custody?	Yes	\checkmark	No		Adjusted?	
14. Is it clear what analyses were requested?		Yes	>	No		A	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	✓	No		Checked by:	
Consist Handling (if applicable)							
Special Handling (if applicable)		Yes		N	\Box	NA 🗹	
16. Was client notified of all discrepancies with	n this order?	res		No		INA E]
Person Notified:	Date:				 ,		
By Whom:	Via:) eMa	ail 🔲 i	Phone 🔲	Fax	n Person	
Regarding:							
Client Instructions:							1
17. Additional remarks:							
	Seal Intact Seal No S	Seal D	ate	Signed B	y		

## APPLY 1/2 1/3 1/4 1	KUSH SAM			e Number		T		// · · · · · · · · · · · · · · · · · ·			Ana	ysis		Lab Informat	ion
Emcil Results to: Western Division Well Ste/Lacetism API Number 30 - 045 - 31 L004 Golletted By (V/N) Company Comp Areas for Lob Use Only Start Seas. Days (by contract) Date Needed Sample ID Sample Name Media Media Time Preservative Conts. XX Company Media Time Preservative Conts. XX Media Time	XTO	! :	ХТС) Contact				E# 3	,	-		-			
Western Division JAMES KUET, Tockhan Weil Site/Location: API Number API Number RCT Cost Resca Collected By Kull T Company OA/OC Requested Troot Basing API Number Turneround Standard Next Doy SAME DAY Two Day Three Day Signature Sample ID Sample Name Media Date FARYH - 120114 - 1430 Rotton ZS' Signature Media: Filter = F Soil = 5 Wattewaster WW Groundwater = CW Drinking Waster = DW Studge = SG Surface Water = SW Air = A Drill Mud = DM Other = DT Relinquished By: (Signature) Date: Time: Reprived By: (Signature) Relinquished By: (Signature) Pelmouthed By: (Signature) Date: Time: Reprived By: (Signature) Number of Bottler: Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Number of Bottler: Sample Condition Sample Condition Sample Condition Number of Bottler: Sample Condition Sample Condition Number of Bottler: Sample Condition Sample Condi	ENERGY			=1 \	Emai	Results	to:							Office Abbrevia	hions.
Well Site/Locations API Number of Bottless API Number of Bottless API Number of Bottless API Number of Bottless API Number of Bottless API Number of Bottless API Number appearance of the Bottless API Number appearance of the Bottless API Number of Bottless API Number appearance of the Bottless API Number of Bottless API	Western Division	1		37	MES	Kye	1 (DEMAN)							Farmington = FAR	displacement .
Company Compan	Well Site/Location	3h	30 - 045	W. C		i'	Test Reason	è A		·	1				
Company Compan	Collected By		Samu	ples on Ice	·	The state of the s	i urnarouna			-			-	AND A COMPANY OF A STANK A COMPANY OF A STANK	
Sample ID Sample Name Media Date Time Preservative Conts. FARKH - 120114 - 1430 Rottom 251 5 12-1 2:30 and voice 12:30 and vo	Company				d	<u>X</u> N	ext Day SAME]	Say						Roosevelt = RSV La Barge = LB	
Sample ID Sample Name Media Date Time Preservative Conts. Sample Numb FARKH - 1201/4 - 1430 Rottom 25' 5 12-1 2:30 on v.c. X X COJ Media Filter = F soil = 5 Wastewater WW Groundwater = CW Drinking Waster = DW Sludge = 5G Surface Water = 5W Air = A Drill Mud = DM Other = OT Relinquished By: (Sgradure) Date: Time: Received By: (Signature) Number of Bottles Semple Condition Relinquished By: (Signature) Date: Time: Received By: (Signature) Temperature: T	Signature Was Eller	energy :	Gray Areas	for Lab Us	e Only!	Std	. 5 Bus. Days (by	contract)	21.6	021	,			· · · · ·	
Media: Filter = F Soil = S Wastewater WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = QT Relinquished By: (Signature) Date: 12 -14 Time: Received By: (Signature) Number of Bottles Sample Condition Relinquished By: (Signature) Date: Time: Received By: (Signature) Temperature:	Sample ID				Date	Time	Preservative	§ 4.75 (1.75)				***************************************		Sample Num	ber
Relinquished By: (Signature) Date: Time: Received By: (Signature) Number of Bottles Sample Condition of Bottles Sa	FARKH-120114-1430	Ron	юм 25 ¹	5	12-L	2:30	on ves		X_	X	- 1				
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot					· .						***				
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottl		/	***************************************												
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot					ļ										
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot				1	<u> </u>	1				-		+++			
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot	:				 	1									
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot														a de la companiona de l	
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot	· · · · · · · · · · · · · · · · · · ·	. ,.													
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot			-	1							- 1				
Relinquished By: (Signature) Date: Time: Relinquished By: (Signature) Number of Bottles Sample Condition Number of Bottles Number of Bottles Sample Condition Number of Bottles Number of Bot					ļ				-						
Relinquished By: (Signature) Date: Time: Received By: (Signature) Temperature:		yater/≠ W	W. Groundwat	er = GW D	rinking				r = SV	/ Air =	A Dr				
Relinquished By: (Signature) Date: Time: / Received By: (Signature)	Relinquished By: (Menature)	elle	ر ا		14		Received By: (Sig	inature) ルルレム	···			Numt	er of Bo	Hies Semple Cond	lition
		معلقد	No	Date:	,	Time:	Received By: (Sig	noture)		3Ö		Temp ろ	2°C		nation
Relinquished By: (Signature) Date: Time: Received for Lab by: (Signature) Date: Time:						Time:	Received for Lab	by: (Signa	ture)			Date:	Time	2	

^{*} Sample ID will be the office and sampler date-military time-FARIM-MMDDYY-1200



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 08, 2014

Kurt Hoekstra XTO Energy 382 County Road 3100 Aztec, NM 87410 TEL: (505) 333-3100

FAX (555) 333-3280

RE: Ute Indians A#36 OrderNo.: 1412279

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/5/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/8/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: E Wall 6'

Project: Ute Indians A#36

Collection Date: 12/4/2014 10:00:00 AM

Lab ID: 1412279-001

Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				 Analyst	:: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/5/2014 11:17:51 AM	16685
Surr: DNOP	80.0	63.5-128	%REC	1	12/5/2014 11:17:51 AM	16685
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	12/5/2014 10:09:07 AM	1 R22974
Surr: BFB	87.9	80-120	%REC	1	12/5/2014 10:09:07 AM	R22974
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.036	mg/Kg	1	12/5/2014 10:09:07 AM	1 R22974
Toluene	ND	0.036	mg/Kg	1	12/5/2014 10:09:07 AM	1 R22974
Ethylbenzene	ND	0.036	mg/Kg	1	12/5/2014 10:09:07 AM	1 R22974
Xylenes, Total	ND	0.072	mg/Kg	. 1	12/5/2014 10:09:07 AM	1 R22974
Surr: 4-Bromofluorobenzene	92.4	80-120	%REC	1	12/5/2014 10:09:07 AM	1 R22974

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 5

- P Sample pH greater than 2.
- RL Reporting Detection Limit

1

Analytical Report

Lab Order 1412279

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 12/8/2014

CLIENT: XTO Energy Client Sample ID: Surface

 Project:
 Ute Indians A#36
 Collection Date: 12/4/2014 10:05:00 AM

 Lab ID:
 1412279-002
 Matrix: SOIL
 Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	190	10	mg/Kg	1	12/5/2014 11:39:18 AM	1 16685
Surr: DNOP	80.2	63.5-128	%REC	1	12/5/2014 11:39:18 AM	1 16685
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	61	18	mg/Kg	4	12/5/2014 10:37:49 AM	1 R22974
Surr: BFB	215	80-120	S %REC	4	12/5/2014 10:37:49 AM	1 R22974
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.090	mg/Kg	4	12/5/2014 10:37:49 AM	1 R22974
Toluene	ND	0.18	mg/Kg	4	12/5/2014 10:37:49 AM	1 R22974
Ethylbenzene	ND	0.18	mg/Kg	4	12/5/2014 10:37:49 AM	1 R22974
Xylenes, Total	1.3	0.36	mg/Kg	4	12/5/2014 10:37:49 AN	1 R22974
Surr: 4-Bromofluorobenzene	100	80-120	%REC	4	12/5/2014 10:37:49 AM	1 R22974

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 5

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1412279

08-Dec-14

Client:

XTO Energy

Project:

Ute Indians A#36

Sample ID MB-16685 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: PBS Batch ID: 16685 RunNo: 22954 Prep Date: 12/5/2014 Analysis Date: 12/5/2014 SeqNo: 677912 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC HighLimit **RPDLimit** LowLimit %RPD Qual Diesel Range Organics (DRO) ND 10

Surr: DNOP 7.1 10.00 71.0 63.5 128

Sample ID LCS-16685 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics Client ID: LCSS Batch ID: 16685 RunNo: 22954 Prep Date: 12/5/2014 Analysis Date: 12/5/2014 SeqNo: 677913 Units: mg/Kg Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 47 10 50.00 0 93.3 68.6 130 Surr: DNOP 4.6 5.000 91.7 63.5 128

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.

RL Reporting Detection Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412279

08-Dec-14

Client:	XTO Energy
Project:	Ute Indians A#36

SampT	уре: МЕ	BLK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Batch	h ID: R2	2974	R	RunNo: 2	2974				
Analysis D	Date: 12	2/5/2014	S	SeqNo: 6	78542	Units: mg/K	(g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND	5.0								
880		1000		87.5	80	120			
	Batcl Analysis D Result ND	Batch ID: R2 Analysis Date: 12 Result PQL ND 5.0	Result PQL SPK value ND 5.0	Batch ID: R22974 F Analysis Date: 12/5/2014 S Result PQL SPK value SPK Ref Val ND 5.0	Batch ID: R22974 RunNo: 2: Analysis Date: 12/5/2014 SeqNo: 6: Result PQL SPK value SPK Ref Val %REC ND 5.0	Batch ID: R22974 RunNo: 22974 Analysis Date: 12/5/2014 SeqNo: 678542 Result PQL SPK value SPK Ref Val %REC LowLimit ND 5.0	Batch ID: R22974 RunNo: 22974 Analysis Date: 12/5/2014 SeqNo: 678542 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 5.0	Batch ID: R22974 RunNo: 22974 Analysis Date: 12/5/2014 SeqNo: 678542 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 5.0	Batch ID: R22974 RunNo: 22974 Analysis Date: 12/5/2014 SeqNo: 678542 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 5.0

Sample ID 2.5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batcl	n ID: R2	2974	F	RunNo: 2	2974				
Prep Date:	Analysis E	Date: 12	2/5/2014	S	SeqNo: 6	78543	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	65.8	139			
Surr: BFB	1000		1000		99.6	80	120			

Sample ID 1412279-001AMS	Samp	Type: MS	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: E Wall 6'	Batcl	h ID: R2	2974	F	RunNo: 2	2974				
Prep Date:	Analysis [Date: 12	2/5/2014	S	SeqNo: 6	78545	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.6	18.03	0	92.0	71.8	132			
Surr: BFB	710		721.0		98.8	80	120			

Sample 10 1412279-001AMS	Sampi	ype: Mis	טפ	ies	(Code: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: E Wall 6'	Batch	ID: R2	2974	F	RunNo: 2	2974				
Prep Date:	Analysis D	ate: 12	2/5/2014	8	SeqNo: 6	78546	Units: mg/F	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.6	18.03	0	98.1	71.8	132	6.44	20	
Surr: BFB	730		721.0		101	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1412279

08-Dec-14

Client:

XTO Energy

Project:

Ute Indians A#36

Sample ID 5ML RB	SampT	ype: ME	BLK	Tes	,	-				
Client ID: PBS	Batch ID: R22974			RunNo: 22974						
Prep Date:	Analysis D)ate: 12	2/5/2014	SeqNo: 678559			Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	80	120			

Sample ID 100NG BTEX LC	S Samp1	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	h ID: R2	2974	F	RunNo: 2	2974				
Prep Date:	Analysis [Date: 12	2/5/2014	SeqNo: 678560			Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID 1412279-002AM	S Samp	Type: MS	3	TestCode: EPA Method 8021B: Volatiles						
Client ID: Surface	Bato	th ID: R2	2974	F	RunNo: 2	2974				
Prep Date:	Analysis	Date: 1	2/5/2014	SeqNo: 678563			Units: mg/Kg			•
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.7	0.18	3.604	0	103	77.4	142			
Toluene	3.6	0.18	3.604	0.03560	100	77	132			
Ethylbenzene	3.9	0.18	3.604	0.1517	103	77.6	134			
Xylenes, Total	13	0.36	10.81	1.290	105	77.4	132			
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120			

Sample ID 1412279-002AM	279-002AMSD SampType: MSD				TestCode: EPA Method 8021B: Volatiles						
Client ID: Surface	Batch	Batch ID: R22974			RunNo: 22974						
Prep Date:	Analysis D	Date: 12	2/5/2014	SeqNo: 678564 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	3.6	0.18	3.604	0	99.4	77.4	142	3.57	20		
Toluene	3.6	0.18	3.604	0.03560	97.7	77	132	2.47	20		
Ethylbenzene	3.7	0.18	3.604	0.1517	99.6	77.6	134	2.84	20		
Xylenes, Total	12	0.36	10.81	1.290	102	77.4	132	2.21	20		
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120	0	0		

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Na	me: XTO Energy		Work Order Numb	er: 14122	79	, "	RcptNo	1
Received	by/date:	7 12/051	111			-	<u> </u>	
Logged By	: Anne Thorn	e 12	/5/2014 7:45:00 <i>F</i>	\M		anne St.		
Completed	By: Anne Thorn	e 12	15/201/4			Anne St. Anne St.		
Reviewed	By:	- 121	05/14					
Chain of	Custody							
1. Custo	dy seals intact on sar	nple bottles?		Yes		No 🗌	Not Present 🗹	
2. Is Cha	in of Custody comple	ete?		Yes	✓	No 🗆	Not Present	
3. How w	ras the sample delive	red?		Court	<u>er</u>			
Log In								
4. Was a	in attempt made to c	ool the samples?		Yes	V	No 🗆	NA 🗆	
5. Were	all samples received	at a temperature of	>0° C to 6.0°C	Yes	¥	No 🗆	NA 🗆	
6. Samp	le(s) in proper contai	ner(s)?		Yes	✓	No 🗆		
7. Suffici	ent sample volume fo	or indicated test(s)?		Yes	\checkmark	No 🗌		
8. Are sa	mples (except VOA a	and ONG) properly p	reserved?	Yes	\checkmark	No 🗆		
9. Was p	reservative added to	bottles?		Yes		No 🗹	NA 🗌	
10.VOA v	lais have zero heads	pace?		Yes		No 🗆	No VOA Vials ⊻	
11. Were	any sample containe	rs received broken?		Yes		No 🗹	# of preserved	
12 Does :	paperwork match bot	fle lahele?		Yes	7	No □	bottles checked for pH:	
	discrepancies on cha		,	103	LE		(<2	or >12 unless noted)
13, Are ma	atrices correctly ident	tified on Chain of Cu	stody?	Yes	✓	No 🗆	Adjusted?	
	ear what analyses we			Yes	2	No 🗔		
	all holding times able notify customer for a			Yes	✓	No L	Checked by:	
Snecial I	<u>Handling (if app</u>	licable)					•	
	llent notified of all dis		order?	Yes		No □	NA 🗹	
	Person Notified:		Date	• [
	By Whom:		Via:	eMa	iil 🔲	Phone 🔲 Fa	x 🔲 In Person	
	Regarding:							
	Client Instructions:		and the second s			. 22. 1		
17. Additi	ional remarks:							
18. <u>Copie</u>	er Information						· ·	
Co		Condition Seal	Intact Seal No	Seal Da	ate	Signed By		
[1	2.7	Good Yes						

SAME DAY KUSH Anglysis Lab Information **Quote Number** Page of XTO Contact XTO Contact Phone # 505-486-9543 Email Results to: Office Abbreviations Western Division JAMES KUET LOGAL Farmington = FAR Durango = DUR API Number Well Site/Location LITE INDIANS NA36 30-045-31604 Bakken = BAK Samples on Ice Raton = RAT Collected By (W) N) Standard Piceance = PC 8015 Kuet 8 X Next Day SAME DAY Roosevelt = RSV Company **OA/OC** Requested Two Day La Barge = LB XTO Orangeville = OV Three Day Signature Std. 5 Bus. Days (by contract) エムト Sarates to estate of the BIE Date Needed No. of Sample ID Sample Name Media Date Time Conts. Sample Humber Preservative verzene error FARKH-120414-1000 E. WALL 6 12-4 10:00 en ICE FARKA - 120414 - 1005 5 SURFACE 12-4 10:05 ON ICE Media: Filter > F Soil = S Wastewater = WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT Relinguished By: (Signature) Received By: (Signature) Date: Time: 12-4-14 12:30 Mant Waltz Received By: (Signature) Temperaune Relinquished By: (Signature) Date: Time: , 12/05/4 1745 17-4-14 Ottee Informetion houte it is alon Date Eithe Relinguished By: (Signature) Date: Comments

THESE SAMPLES WERE REQUESTED By RYAN * Sample ID will be the office and sampler-date-military time FARIM-MMDDYY-1200

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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. South Fo. NIM 87505

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Santa Fe, Nivi 87505 to the appropriate NMOCD district Office.
Proposed Alternative Method Permit or Closure Plan Application Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, 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, IncOGRID #:5380 Address:#382 County Road 3100, Aztec, NM 87410 Facility or well name:Ute Indians A # 36 API Number:30-045-31604
Surface Owner. Pederal State Frivate Military of Indian Anothent
☐ Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: ☐ Drilling ☐ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no ☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ PVC ☐ Other ☐ String-Reinforced Liner Seams: ☐ Welded ☐ Factory ☐ Other x W
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:120
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
S. 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 Four foot height, steel mesh field fence (Hogwire) with pipe top railing.