

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

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: XTO Energy Permian Division – SE New Mexico	Contact: Rick Wilson/Production Foreman
Address: P.O. Box 700, Eunice, New Mexico 88231	Telephone No.: (575) 394-2089
Facility Name: EMSU – Satellite No. 6	Facility Type: Tank Battery – Nearest Well is EMSU #263 (API #30-025-04456)

Surface Owner: State of New Mexico	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	3	21S	36E					Lea

Latitude: N 32° 30' 11.88" Longitude: W 103° 15' 14.40"

NATURE OF RELEASE

Type of Release: Crude Oil and Water	Volume of Release: Unknown	Volume Recovered: N/A
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Below grade tank removed per OCD approved closure plan. Initial composite sample (5-spot) from bottom of tank excavation shows evidence of a release TPH was detected at 978 ppm exceeding the reporting limit of 100 ppm. The result meets the Recommended Remediation Action Level (RRAL) of 5000 ppm for TPH. Propose to close with clean soil.

Describe Area Affected and Cleanup Action Taken.* No cleanup action was taken at this time, the TPH was below RRAL (5000 ppm). XTO request to close tank excavation per OCD approved closure plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>William Haykus</i>		OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus – XTO Energy		ENV. ENGINEER: Approved by District Supervisor: <i>Jeffrey LeBry</i>	
Title: <i>Production Superintendent</i>		Approval Date: 12/02/09	Expiration Date: -
E-mail Address: William haykus@xtoenergy.com		Conditions of Approval:	
Date: 11/19/2009	Phone: (432) 682-8873	Attached <input type="checkbox"/> IRP-09-11-2360	

* Attach Additional Sheets If Necessary

**Below Grade Tank Removal and
Excavation Closure Report**

XTO Energy, Inc.

1RP-09-11-2360

Eunice Monument South Unit – Satellite #6

Unit N (SE/4, SW/4), Section 3, T21S, R36E

Lea County, NM

Project No. 8-0146

Prepared by:

Larson and Associates, Inc.

507 North Marienfeld Street

Suite 200

Midland, Texas 79701

432.687.0901

November 30, 2009

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1.0 Executive Summary

This report is submitted to the State of New Mexico Oil Conservation Division (OCD) on behalf of XTO Energy, Inc. (XTO) by Larson and Associates, Inc. (LAI), its consultant, and presents the results of remedial actions performed at the referenced below grade tank removal. The following report documents the removal of the below grade tank associated with the Eunice Monument South Unit (EMSU), Satellite #6 (Facility) located in Lea County, New Mexico. The legal description of the Facility is Unit N (SE/4, SW/4), Section 3, Township 21 South, Range 36 East (Figure 1).

Closure activities consisted of notifications to the New Mexico Oil Conservation Division (OCD) and the landowner of record (New Mexico State Land Office), removal of ancillary equipment and tank, removal of soil, collection of soil samples, OCD issuance of a remediation case number and the subsequent investigation. Activities were performed in conformance with New Mexico Administrative Code Rule 19.15.17 as amended June 16, 2008 and June 18, 2009.

2.0 Operator Information

Primary Contact: Mr. Rick Wilson
Address: XTO Energy Inc., Permian Division – SE New Mexico
PO Box 700
Eunice, New Mexico 88231
Office: 575.394.2089, ext. 2201

Secondary Contact: Mr. Guy Haykus
Address: XTO Energy Inc.
Midland Office
200 N. Loraine Street, Suite 800
Midland, Texas 79701
Office: 432.682.8873

3.0 Closure Actions

3.1 Location and Siting Description

The Site has a geodetic location of N32° 30' 11.88", W103° 15' 14.40", and is located in rural Lea County, New Mexico. The nearest producing well is the XTO EMSU Well #263, with API # 30-025-04456. The Site encompasses a 0.6-acre tract of land. The Facility consisted of a fiberglass, below-ground storage tank, with an approximate capacity of 90 barrels. The surface is covered with crushed caliche rock and is flat to very gently sloping (Figures 2 and 3).

The Facility's siting criteria presented the following findings:

- Groundwater is about 110 feet below ground surface based on records from the New Mexico State Engineer (NMSE).
- No continuously flowing watercourse is within 300 horizontal feet of the Facility.
- No surface water features, including lakes, rivers, ponds, arroyos, lakebed, sinkhole, or playa lake, are located within 200 horizontal feet of Facility.

- No permanent residence, school, hospital, institution, or church is within 300 horizontal feet of Facility.
- No private, domestic fresh-water well or spring are within 500 horizontal feet of Facility.
- No other fresh water wells or springs are within 1000 horizontal feet of the Facility.
- The Facility is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance.
- The Facility is not within 500 feet an area designated as wetlands.
- The Facility is not within an area overlying a subsurface mine.
- The Facility is not within an unstable area.
- The Facility is not within a 100-year flood plain.

3.2 Closure Plan and Approval

On December 11, 2008, LAI, on behalf of XTO, submitted a below grade tank closure plan to the OCD in Santa Fe and Hobbs, New Mexico, in accordance with an Agreed Scheduling Order (ASO-008) between XTO and OCD. The Closure Plan was approved and signed by the OCD representative Mr. Brad Jones on July 17, 2009.

3.3 Landowner and OCD Notifications

In accordance with the approved closure plan and prior to commencing work, notification of closure was sent by XTO to the New Mexico State Land Office (the surface owner) and the OCD.

3.4 Tank Removal Closure Activities

On November 11, 2009, XTO removed ancillary equipment (i.e. metal barricade) for salvage or scrap metal. A Hydro-Vac truck was used to excavate soil around the tank. LAI personnel performed a site visit to collect a 5-part composite soil sample from the bottom (Satellite 6 Bottom).

The sample was analyzed for the following constituents: benzene, toluene, ethylbenzene, xylenes (BTEX) by method 8021B, total petroleum hydrocarbons (TPH) by method 418.1 and chloride by method 300.1. The sample, Satellite 5 Bottom, exceeded TPH (978 ppm) OCD reporting level of 100 ppm.

An initial C-141 was submitted to the OCD District 1, Hobbs office on November 20, 2009. The OCD District 1 office issued remediation project number 1RP-09-11-2360.

The OCD soil remediation ranking criteria was applied:

Ranking Criteria		Ranking Score:
Depth to Groundwater:	>100 feet	0
Wellhead Protection Area:	No	0
Distance to Surface Water Body:	>1000 horizontal feet	0
Total Score		0

Recommended Remediation Action Levels

Constituent	Action Level (ppm)
Benzene	10
BTEX	10
TPH	5,000

The concentrations of benzene (<0.0011 ppm), total BTEX (<0.0011 ppm) and TPH (978 ppm) for the Satellite 6 Bottom composite sample were below the recommended remediation action levels of 10, 50, and 5,000 ppm, respectively.

Summary of analytical data is presented in Table 1. Analytical laboratory report is presented in Appendix A.

4.0 Conclusion and Recommendation

Based on the soil sample results, XTO requests approval from OCD District 1 to close the excavation according to the requirements of the closure plan approved by the OCD Santa Fe office. The initial and final C-141 forms are presented in Appendix B.

Table 1
 Soil Analytical Data Summary
 EMSU - Satellite #6
 XTO Energy, Inc.
 Lea County, New Mexico
 Project No.: 8-0146

Sample ID	Date	Benzene	Ethyl benzene	Toluene	Total Xylenes	Total BTEX	TRPH	Chlorides
Reporting Limit		0.2				50	100	250
RRAL:		10				50	5,000	250
Satellite 6 Bottom	11/11/2009	<0.0011	<0.0011	<0.0022	<0.0011	<0.0011	978	<4.59
Satellite 6 Soil Pile	11/11/2009	<0.0014	<0.0014	<0.0027	<0.0014	<0.0014	1,390	105

Notes

RRAL - Recommended Remediation Action Level

Total Petroleum Hydrocarbons analyzed via Method 418.1.

Chlorides analyzed via EPA Method 300.

All values reported in Milligrams per Kilogram - dry (mg/kg, parts per million).

Bold and blue indicates the value exceeds NMOCD requirements.

JWW

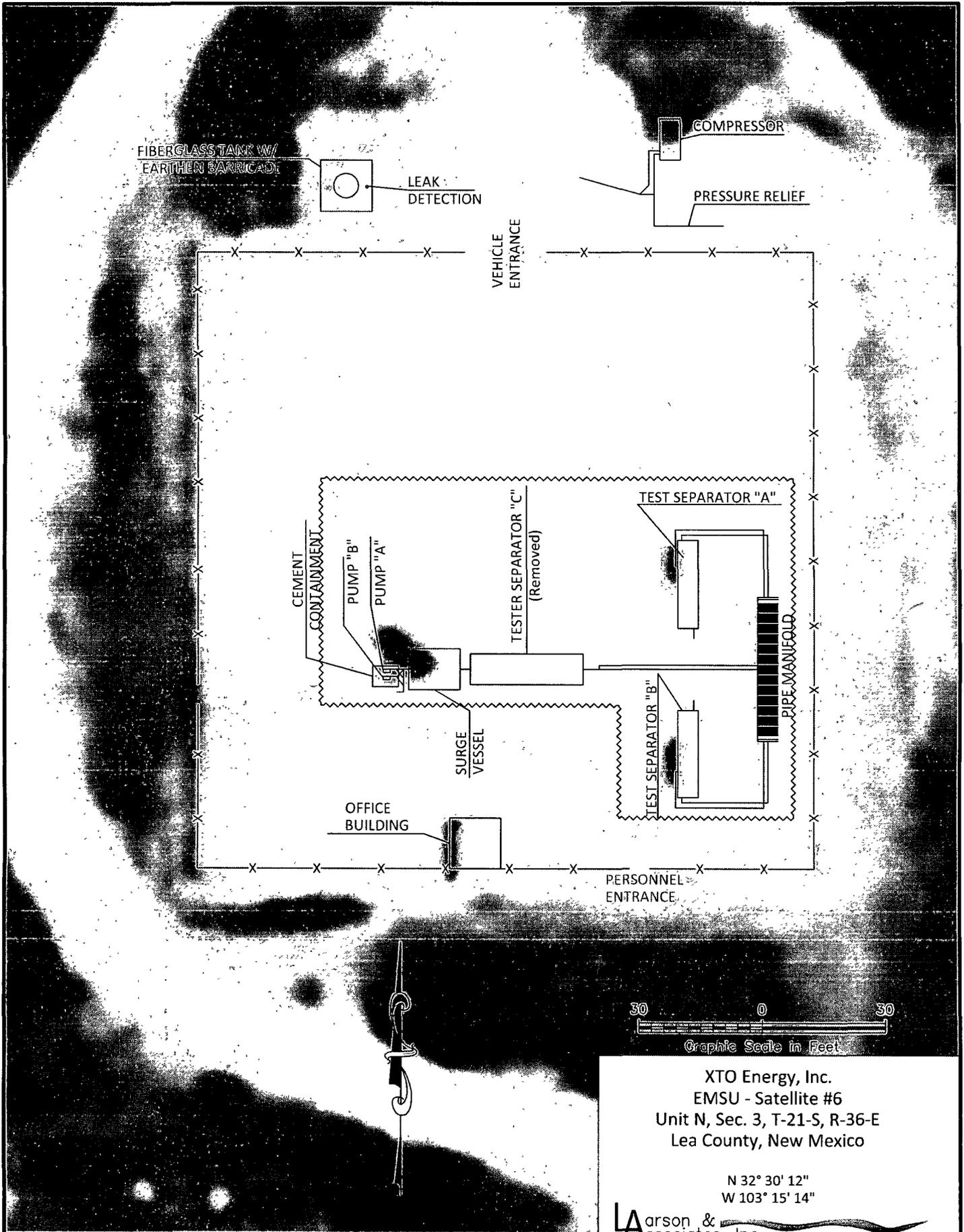


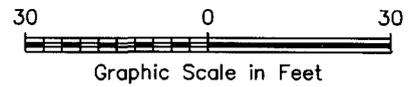
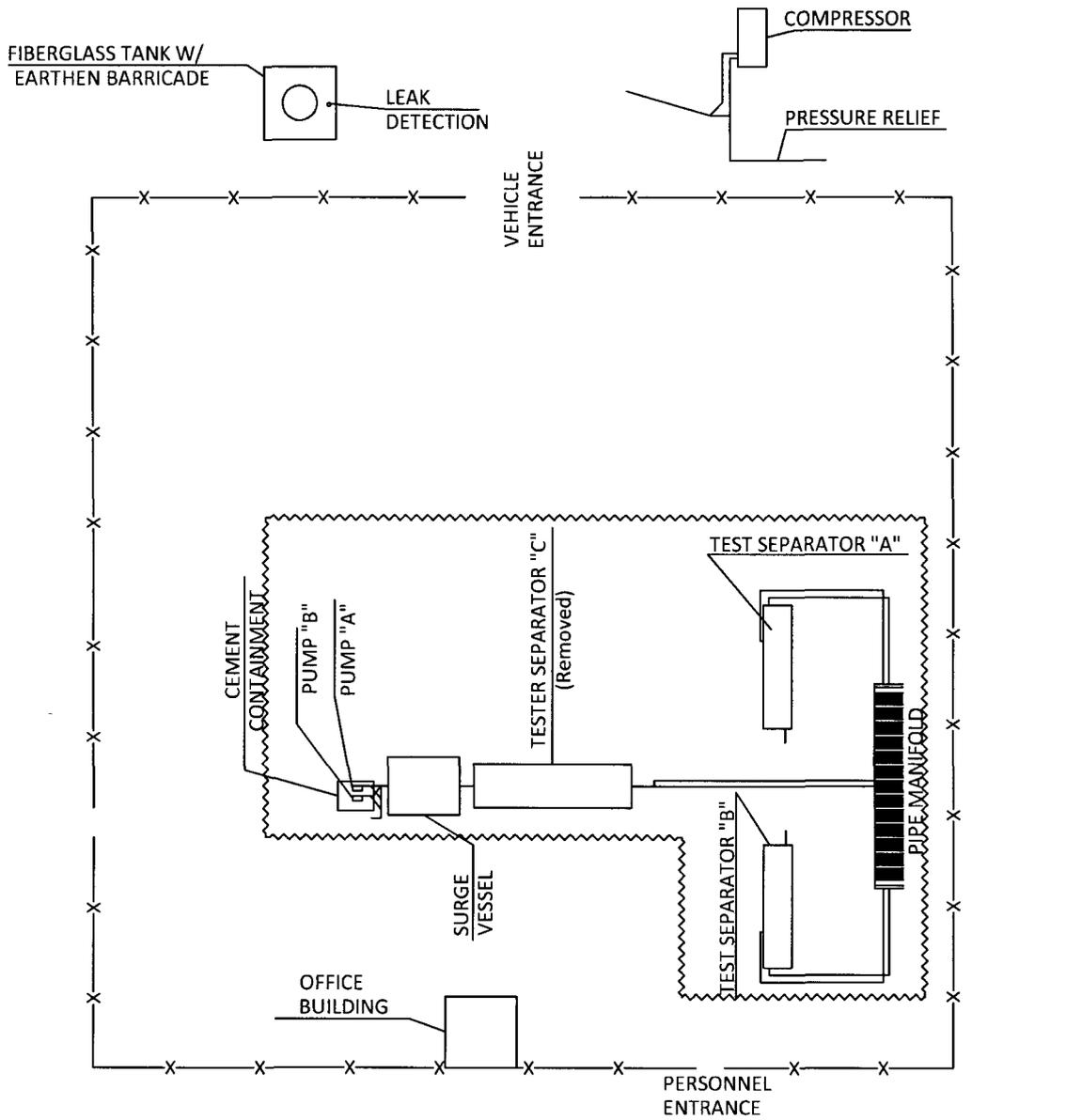
Figure 2 Aerial

XTO Energy, Inc.
 EMSU - Satellite #6
 Unit N, Sec. 3, T-21-S, R-36-E
 Lea County, New Mexico

N 32° 30' 12"
 W 103° 15' 14"

Larson &
 associates, Inc.
 Environmental Consultants

JWW



XTO Energy, Inc.
 EMSU - Satellite #6
 Unit N, Sec. 3, T-21-S, R-36-E
 Lea County, New Mexico

N 32° 30' 12"
 W 103° 15' 14"

Larson &
 Associates, Inc.
 Environmental Consultants

Figure 3 - Site Drawing

Analytical Report 352038

for

Larson & Associates

Project Manager: Michelle Green

XTO - Satellite - 6

8-0146

18-NOV-09



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)



18-NOV-09

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **352038**
XTO - Satellite - 6
Project Address:

Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 352038. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 352038 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 352038



Larson & Associates, Midland, TX

XTO - Satellite - 6

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Satellite 6 Pit Bottom	S	Nov-11-09 10:40		352038-001
Satellite Soil Pile	S	Nov-11-09 08:50		352038-002

CASE NARRATIVE



Client Name: Larson & Associates

Project Name: XTO - Satellite - 6

Project ID: 8-0146

Work Order Number: 352038

Report Date: 18-NOV-09

Date Received: 11/12/2009

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-781516 Percent Moisture

AD2216A

Batch 781516, Percent Moisture RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 352038-002, -001.

Batch: LBA-781731 Inorganic Anions by EPA 300

None

Batch: LBA-781905 BTEX by EPA 8021B

SW8021BM

Batch 781905, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 352038-002, -001.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 781905, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene RPD was outside QC limits.

Samples affected are: 352038-002, -001

Batch: LBA-782043 TPH by EPA 418.1

E418.1

Batch 782043, TPH, Total Petroleum Hydrocarbons recovered above QC limits in the Matrix Spike Duplicate.

Samples affected are: 352038-002, -001.

The Laboratory Control Sample for TPH, Total Petroleum Hydrocarbons is within laboratory Control Limits



Certificate of Analysis Summary 352038

Larson & Associates, Midland, TX

Project Name: XTO - Satellite - 6



Project Id: 8-0146

Contact: Michelle Green

Date Received in Lab: Thu Nov-12-09 02:40 pm

Report Date: 18-NOV-09

Project Location:

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	352038-001	352038-002				
	<i>Field Id:</i>	Satellite 6 Pit Bottom	Satellite Soil Pile				
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL				
	<i>Sampled:</i>	Nov-11-09 10 40	Nov-11-09 08 50				
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Nov-13-09 12 13	Nov-13-09 12 23				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Chloride		ND 4 59	105 5 76				
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-13-09 14 30	Nov-13-09 14 30				
	<i>Analyzed:</i>	Nov-14-09 19 04	Nov-14-09 19 25				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Benzene		ND 0 0011	ND 0 0014				
Toluene		ND 0 0022	ND 0 0027				
Ethylbenzene		ND 0 0011	ND 0 0014				
m,p-Xylenes		ND 0 0022	ND 0 0027				
o-Xylene		ND 0 0011	ND 0 0014				
Total Xylenes		ND 0 0011	ND 0 0014				
Total BTEX		ND 0 0011	ND 0 0014				
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Nov-12-09 17 00	Nov-12-09 17 00				
	<i>Units/RL:</i>	% RL	% RL				
Percent Moisture		8 47 1 00	27 1 1 00				
TPH by EPA 418.1	<i>Extracted:</i>						
	<i>Analyzed:</i>	Nov-17-09 12 48	Nov-17-09 12 48				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
TPH, Total Petroleum Hydrocarbons *		978 10 9	1390 13 7				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Form 2 - Surrogate Recoveries

Project Name: XTO - Satellite - 6

Work Orders : 352038,

Project ID: 8-0146

Lab Batch #: 781905

Sample: 543289-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 11/14/09 16:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0303	0.0300	101	80-120	
4-Bromofluorobenzene		0.0295	0.0300	98	80-120	

Lab Batch #: 781905

Sample: 543289-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 11/14/09 16:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0305	0.0300	102	80-120	
4-Bromofluorobenzene		0.0296	0.0300	99	80-120	

Lab Batch #: 781905

Sample: 543289-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 11/14/09 17:40

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0269	0.0300	90	80-120	
4-Bromofluorobenzene		0.0299	0.0300	100	80-120	

Lab Batch #: 781905

Sample: 352038-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/14/09 19:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0272	0.0300	91	80-120	
4-Bromofluorobenzene		0.0292	0.0300	97	80-120	

Lab Batch #: 781905

Sample: 352038-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/14/09 19:25

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes						
1,4-Difluorobenzene		0.0273	0.0300	91	80-120	
4-Bromofluorobenzene		0.0306	0.0300	102	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes



Form 2 - Surrogate Recoveries

Project Name: XTO - Satellite - 6

Work Orders : 352038,

Project ID: 8-0146

Lab Batch #: 781905

Sample: 351729-004 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/15/09 01:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0 0277	0 0300	92	80-120	
4-Bromofluorobenzene	0 0295	0 0300	98	80-120	

Lab Batch #: 781905

Sample: 351729-004 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 11/15/09 02:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0 0281	0 0300	94	80-120	
4-Bromofluorobenzene	0 0280	0 0300	93	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes



Blank Spike Recovery



Project Name: XTO - Satellite - 6

Work Order #: 352038

Project ID:

8-0146

Lab Batch #: 781731

Sample: 781731-1-BKS

Matrix: Solid

Date Analyzed: 11/13/2009

Date Prepared: 11/13/2009

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

Anions by E300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	103	103	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes

BRL - Below Reporting Limit



BS / BSD Recoveries



Project Name: XTO - Satellite - 6

Work Order #: 352038

Project ID: 8-0146

Analyst: ASA

Date Prepared: 11/13/2009

Date Analyzed: 11/14/2009

Lab Batch ID: 781905

Sample: 543289-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	ND	0.1000	0.0889	89	0.1	0.0873	87	2	70-130	35	
Toluene	ND	0.1000	0.0885	89	0.1	0.0867	87	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0869	87	0.1	0.0856	86	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.1873	94	0.2	0.1845	92	2	70-135	35	
o-Xylene	ND	0.1000	0.0915	92	0.1	0.0920	92	1	71-133	35	

Analyst: LATCOR

Date Prepared: 11/17/2009

Date Analyzed: 11/17/2009

Lab Batch ID: 782043

Sample: 782043-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by EPA 418.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
TPH, Total Petroleum Hydrocarbons *	ND	2500	2830	113	2500	2820	113	0	65-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Blank Spike Recovery [D] = 100*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: XTO - Satellite - 6

Work Order #: 352038

Lab Batch #: 781731

Project ID: 8-0146

Date Analyzed: 11/13/2009

Date Prepared: 11/13/2009

Analyst: LATCOR

QC- Sample ID: 351922-034 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
	Chloride	104	109	225	111	75-125

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A) / B$

Relative Percent Difference [E] = $200 \cdot (C-A) / (C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: XTO - Satellite - 6

Work Order #: 352038

Project ID: 8-0146

Lab Batch ID: 781905

QC- Sample ID: 351729-004 S

Batch #: 1 Matrix: Soil

Date Analyzed: 11/15/2009

Date Prepared: 11/13/2009

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0 1130	0 0224	20	0 1130	0 0636	56	96	70-130	35	XF
Toluene	ND	0 1130	0 0132	12	0 1130	0 0386	34	98	70-130	35	XF
Ethylbenzene	ND	0 1130	0 0166	15	0 1130	0 0545	48	107	71-129	35	XF
m,p-Xylenes	ND	0 2260	0 0024	1	0 2260	0 0041	2	52	70-135	35	XF
o-Xylene	ND	0 1130	0 0129	11	0 1130	0 0435	38	109	71-133	35	XF

Lab Batch ID: 782043

QC- Sample ID: 352036-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 11/17/2009

Date Prepared: 11/17/2009

Analyst: LATCOR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by EPA 418.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH, Total Petroleum Hydrocarbons *	1600	2690	4490	107	2690	5370	140	18	65-135	35	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: XTO - Satellite - 6

Work Order #: 352038

Lab Batch #: 781731
Date Analyzed: 11/13/2009
QC- Sample ID: 351922-034 D
Reporting Units: mg/kg

Date Prepared: 11/13/2009
Batch #: 1

Project ID: 8-0146
Analyst: LATCOR
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	104	94.8	9	20	

Lab Batch #: 781516
Date Analyzed: 11/12/2009
QC- Sample ID: 351952-001 D
Reporting Units: %

Date Prepared: 11/12/2009
Batch #: 1

Analyst: WRU
Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.89	4.79	21	20	F

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes
BRL - Below Reporting Limit

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.
 Date/ Time: 11.12.09 14:40
 Lab ID #: 352038
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	11 °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	(Yes)	No	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: XTO Energy Permian Division – SE New Mexico	Contact: Rick Wilson/Production Foreman
Address: P.O. Box 700, Eunice, New Mexico 88231	Telephone No.: (575) 394-2089
Facility Name: EMSU – Satellite No. 6	Facility Type: Tank Battery – Nearest Well is EMSU #263 (API #30-025-04456)

Surface Owner: State of New Mexico	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter N	Section 3	Township 21S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude: N 32° 30' 11.88" Longitude: W 103° 15' 14.40"

NATURE OF RELEASE

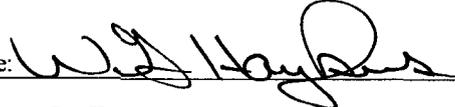
Type of Release: Crude Oil and Water	Volume of Release: Unknown	Volume Recovered: N/A
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Below grade tank removed per OCD approved closure plan. Initial composite sample (5-spot) from bottom of tank excavation shows evidence of a release. TPH was detected at 978 ppm exceeding the reporting limit of 100 ppm. The result meets the Recommended Remediation Action Level (RRAL) of 5000 ppm for TPH. Propose to close with clean soil.

Describe Area Affected and Cleanup Action Taken.* No cleanup action was taken at this time, the TPH was below RRAL (5000 ppm). XTO request to close tank excavation per OCD approved closure plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus – XTO Energy		Approved by District Supervisor:	
Title: <u>Production Superintendent</u>		Approval Date:	Expiration Date:
E-mail Address: William_haykus@xtoenergy.com		Conditions of Approval:	
Date: 11/19/2009	Phone: (432) 682-8873	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

District I
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District II
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Form C-141
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side of form

Release Notification and Corrective Action

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Facility Name: EMSU – Satellite No. 6	Facility Type: Tank Battery – Nearest Well is EMSU #263 (API #30-025-04456)

Surface Owner: State of New Mexico	Mineral Owner	Lease No.
------------------------------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	3	21S	36E					Lea

Latitude: N 32° 30' 11.88" Longitude: W 103° 15' 14.40"

NATURE OF RELEASE

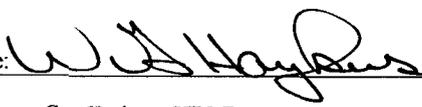
Type of Release: Crude Oil and Water	Volume of Release: Unknown	Volume Recovered: N/A
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

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Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus – XTO Energy		Approved by District Supervisor:	
Title: <u>Production Superintendent</u>		Approval Date:	Expiration Date:
E-mail Address: William haykus@xtoenergy.com		Conditions of Approval:	
Date: 11/19/2009 Phone: (432) 682-8873		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary