

4/28

RECEIVED

MAR 29 2011

HOBBSOCD

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, Inc.	Contact	David Paschal
Address	200 N. Lomine Dr. Ste 800, Midland, TX 79701	Telephone No.	575-394-2089
Facility Name	Eunice Monument So. Unit Sat #4	Facility Type	Satellite Battery

Surface Owner	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
B	5	21S	36E	653	North	1980	West	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

## NATURE OF RELEASE

Type of Release	Fluids	Volume of Release	5 to 60 bw	Volume Recovered	4 to 57 bw
Source of Release	Flow Line	Date and Hour of Occurrence	2/3/11	Date and Hour of Discovery	2/3/11 @ 12:30 p.m.
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required				
By Whom?	Velma Gallardo	If YES, To Whom?	2/3/11 Mark Whitaker with OCD		
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.\*

No Impact to waterways.

GWG 150'

Describe Cause of Problem and Remedial Action Taken.\*

Flow line leak at satellite, due to rupture of line resulted in the loss of 60 barrels of water and 5 barrels of oil.

Describe Area Affected and Cleanup Action Taken.\*

Vacuum truck picked up fluids and hauled to disposal.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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.

## OIL CONSERVATION DIVISION

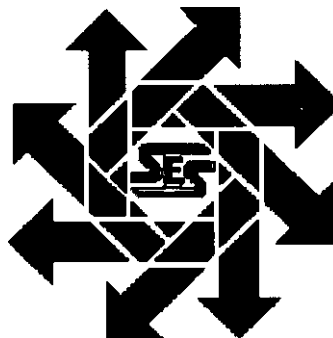
Signature: <i>Velma Gallardo</i>	Approved by District Supervisor:	
Printed Name: Velma Gallardo	Approval Date:	Expiration Date:
Title: Production Analyst	Conditions of Approval:	Attached <input type="checkbox"/>
Email Address: Velma.Gallardo@XTOEnergy.com		
Date: 2/7/11	Phone: 432-620-4315	

\* Attach Additional Sheets If Necessary

**XTO Energy, Inc.**  
**Eunice Monument South Unit Satellite #4**  
**Township 22 South, Range 36 East, Section 6**  
**Lea County, New Mexico**

**Delineation Report/Work Plan**

**March 2, 2011**



**Prepared for:**

**XTO Energy, Inc.**  
**700 Lorraine, Suite 800**  
**Midland, Texas 79701**

**Prepared by:**

**Safety & Environmental Solutions, Inc.**  
**703 East Clinton Street**  
**Hobbs, New Mexico 88240**  
**(575) 397-0510**

**RECEIVED**

**MAR 28 2011**  
**HOBBSOCD**

- NEED REWRITE  
 THAT FLOWED  
 OFF PAD POOLED  
 UP TO SW CORNER  
 RD  
 - NEED SAMPLE MAP

**DEC 22 2013**

I. Company Contacts

Representative	Company	Telephone	E-mail
Gene Hudson	XTO Energy	575.441.1634	Richard_Hudson@xtoenergy.com
Bob Allen	SESI	575.390.7063	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by XTO Energy, Inc. to perform clean-up services at the EMSU Satellite #6 release. According to the C-141 dated February 7, 2011, the release was due to a ruptured flowline releasing approximately 65 barrels of produced fluids, in which 61 barrels were recovered. New Mexico Oil Conservation Division (NMOCD) was notified.

III. Surface and Ground Water

The closest groundwater of record with the Office of the State Engineer is located 2.5 miles southeast of the location; in the section 10 of Township 21 South and Range 36 East, Lea County New Mexico. The depth of water in this well was 195' in January 1986.

IV. Work Performed

On February 11, 2011, Safety and Environmental Solutions, Inc. met with Mr. Geoff Leking, NMOCD representative, and Mr. Gene Hudson, XTO representative, to assess the affected area. The release stayed within the firewall of location pad and Mr. Leking approved that the area will need to be excavated to a depth of six (6) inches below grade surface (bgs) utilizing hand shovel to determine vertical extent. Due to numerous buried lines in the location area the location the area will be backfilled after return Laboratory samples.

On February 22, 2011 SESI is on location with Mr. David Paschal, XTO representative, and Mr. Leking, NMOCD representative to obtain samples from inside release area. Samples were retrieved at depths ranging from 0-2' bgs and transported to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Total Petroleum Hydrocarbons (TPH EPA Method 418.1), Benzene, Toluene, Ethyl Benzene, Total Xylene (BTEX EPA Method 8021B), and Chlorides (EPA Method 4500B).

The Lab Results are as follows:

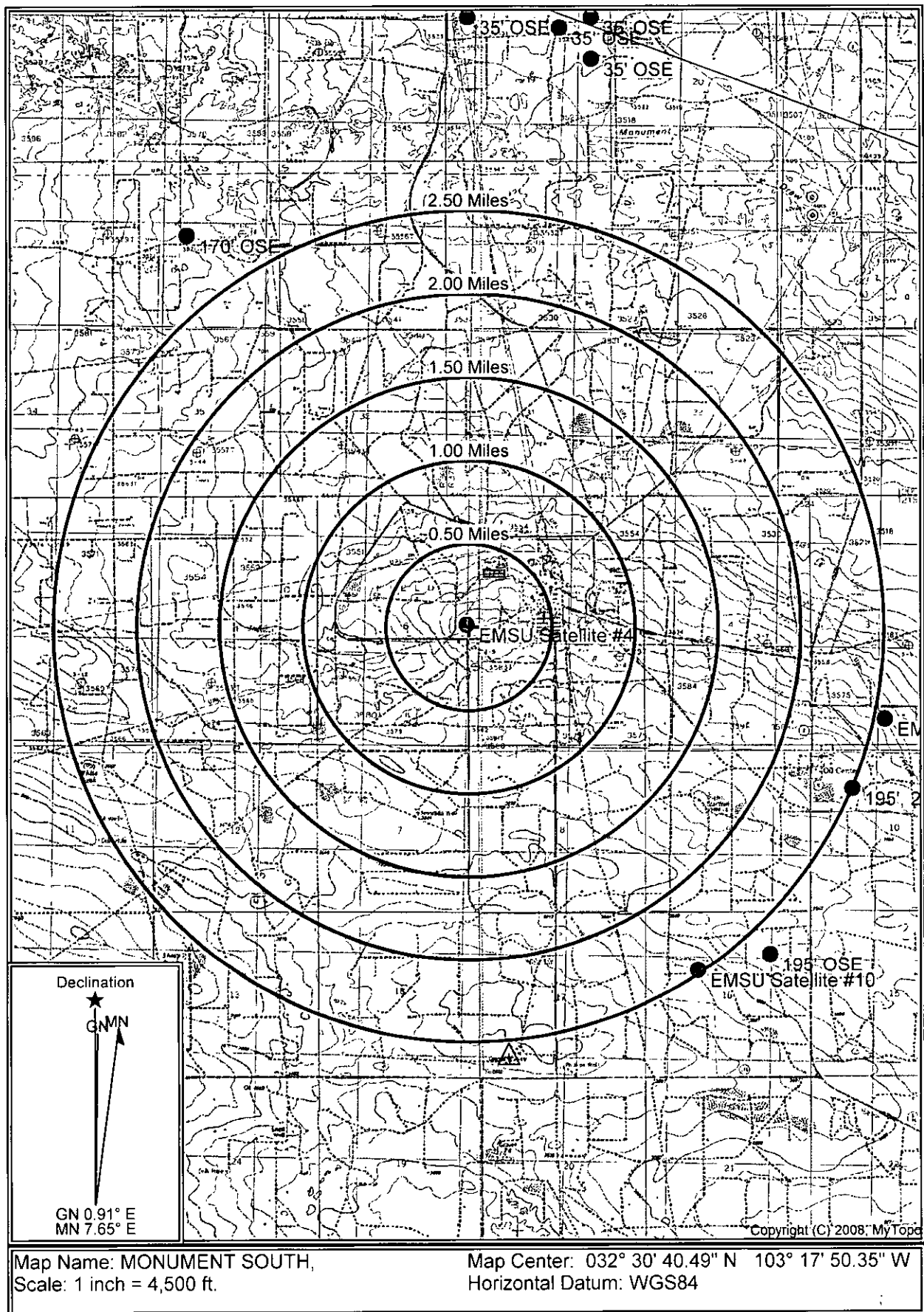
Sample ID	Chlorides (mg/kg)	TPH 418.1 (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg//kg)
SP #1 2'bgs	176	243	<0.200	<0.200	<0.200	<0.600
SP #2 Surface	880	7,660	<0.200	<0.200	0.250	2.20
SP #2 2'bgs	<16.0	229	<0.200	<0.200	<0.200	<0.600
SP #3 1'bgs	80.0	202	<0.200	<0.200	<0.200	<0.600
SP #4 Surface	368	130	<0.200	<0.200	<0.200	<0.600
SP #5 Surface	176	1,070	<0.200	<0.200	<0.200	<0.600

**V. Action Plan**

It is requested that SP #5 be excavated to a depth of one (1) foot below grade surface. The location will then be backfilled with caliche and returned to its natural grade. The area will then be fully remediated upon deactivation of the location well.

**VI. Figures & Appendices**

Figure 1 – Vicinity Map  
Appendix A – Analytical Results  
Appendix B – Site Photos  
Appendix C – C-141





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

February 28, 2011

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: XTO-11-001

Enclosed are the results of analyses for samples received by the laboratory on 02/22/11 15:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

 Received: 02/22/2011  
 Reported: 02/28/2011  
 Project Name: XTO-11-001  
 Project Number: EMSU SATELLITE #4  
 Project Location: OIL CENTER, NEW MEXICO

 Sampling Date: 02/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP #1 2' BGS (H100353-01)**

BTEX 8260B		mg/kg		Analyzed By: AB/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58	
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09	
Ethylbenzene*	<0.200	0.200	02/25/2011	ND	2.18	109	2.00	1.52	
Total Xylenes*	<0.600	0.600	02/25/2011	ND	6.67	111	6.00	1.69	

Surrogate: Dibromofluoromethane 96.5 % 80-120

Surrogate: Toluene-d8 91.7 % 80-120

Surrogate: 4-Bromofluorobenzene 96.8 % 80-120

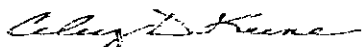
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/23/2011	ND	416	104	400	0.00	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	243	100	02/28/2011	ND	1340	113	1190	2.94	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

 Received: 02/22/2011  
 Reported: 02/28/2011  
 Project Name: XTO-11-001  
 Project Number: EMSU SATELLITE #4  
 Project Location: OIL CENTER, NEW MEXICO

 Sampling Date: 02/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP # 2 SURFACE (H100353-02)**

BTEX 8260B		mg/kg		Analyzed By: AB/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58	
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09	
Ethylbenzene*	0.250	0.200	02/25/2011	ND	2.18	109	2.00	1.52	
Total Xylenes*	2.20	0.600	02/25/2011	ND	6.67	111	6.00	1.69	

Surrogate: Dibromofluoromethane 99.6 % 80-120

Surrogate: Toluene-d8 96.2 % 80-120

Surrogate: 4-Bromofluorobenzene 113 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/23/2011	ND	416	104	400	3.92	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	7660	500	02/28/2011	ND	1340	113	1190	2.94	

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Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received: 02/22/2011  
Reported: 02/28/2011  
Project Name: XTO-11-001  
Project Number: EMSU SATELLITE #4  
Project Location: OIL CENTER, NEW MEXICO

Sampling Date: 02/22/2011  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SP #2 2' BGS (H100353-03)**

BTX 8260B		mg/kg		Analyzed By: AB/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58	
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09	
Ethylbenzene*	<0.200	0.200	02/25/2011	ND	2.18	109	2.00	1.52	
Total Xylenes*	<0.600	0.600	02/25/2011	ND	6.67	111	6.00	1.69	

Surrogate: Dibromofluoromethane 99.5 % 80-120

Surrogate: Toluene-d8 95.2 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/23/2011	ND	416	104	400	3.92		

TPH 418.1	mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	229	100	02/28/2011	ND	1340	113	1190	2.94	

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 Hobbs NM, 88240  
 Fax To: (575) 393-4388

 Received: 02/22/2011  
 Reported: 02/28/2011  
 Project Name: XTO-11-001  
 Project Number: EMSU SATELLITE #4  
 Project Location: OIL CENTER, NEW MEXICO

 Sampling Date: 02/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP #3 1' BGS (H100353-04)**

BTEx 8260B		mg/kg		Analyzed By: AB/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58		
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09		
Ethylbenzene*	<0.200	0.200	02/25/2011	ND	2.18	109	2.00	1.52		
Total Xylenes*	<0.600	0.600	02/25/2011	ND	6.67	111	6.00	1.69		

Surrogate: Dibromofluoromethane 98.4 % 80-120

Surrogate: Toluene-d8 94.4 % 80-120

Surrogate: 4-Bromofluorobenzene 97.3 % 80-120


Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/23/2011	ND	416	104	400	3.92	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	202	100	02/28/2011	ND	1340	113	1190	2.94	

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 Received: 02/22/2011  
 Reported: 02/28/2011  
 Project Name: XTO-11-001  
 Project Number: EMSU SATELLITE #4  
 Project Location: OIL CENTER, NEW MEXICO

 Sampling Date: 02/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP #4 SURFACE (H100353-05)**

BTX 8260B		mg/kg		Analyzed By: AB/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58	
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09	
Ethylbenzene*	<0.200	0.200	02/25/2011	ND	2.18	109	2.00	1.52	
Total Xylenes*	<0.600	0.600	02/25/2011	ND	6.67	111	6.00	1.69	

Surrogate: Dibromofluoromethane 99.2 % 80-120

Surrogate: Toluene-d8 94.4 % 80-120

Surrogate: 4-Bromofluorobenzene 97.2 % 80-120

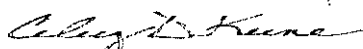
Chloride, SM4500Cl-B		mg/kg		Analyzed By: JM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/23/2011	ND	416	104	400	3.92	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	130	100	02/28/2011	ND	1340	113	1190	2.94	

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Celey D. Keene, Lab Director/Quality Manager

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 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

 Received: 02/22/2011  
 Reported: 02/28/2011  
 Project Name: XTO-11-001  
 Project Number: EMSU SATELLITE #4  
 Project Location: OIL CENTER, NEW MEXICO

 Sampling Date: 02/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP #5 SURFACE (H100353-06)**

BTX 8260B		mg/kg		Analyzed By: AB/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	02/25/2011	ND	2.26	113	2.00	2.58		
Toluene*	<0.200	0.200	02/25/2011	ND	2.48	124	2.00	7.09		
Ethylbenzene*	<0.200	0.200	02/25/2011	ND	2.18	109	2.00	1.52		
Total Xylenes*	<0.600	0.600	02/25/2011	ND	6.67	111	6.00	1.69		

Surrogate: Dibromofluoromethane 98.9 % 80-120

Surrogate: Toluene-d8 93.9 % 80-120

Surrogate: 4-Bromofluorobenzene 95.4 % 80-120

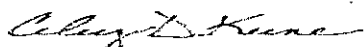
Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/23/2011	ND	416	104	400	3.92	

TPH 418.1		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	1070	100	02/28/2011	ND	1340	113	1190	2.94	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- A-01 Analyst misspiked the Internal Standard in both the MS/MSD. Use LCS/LCSD for precision and accuracy data.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

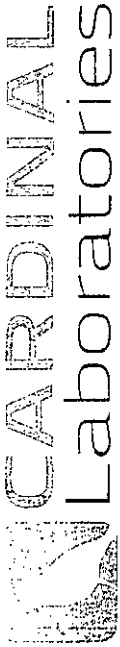
Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



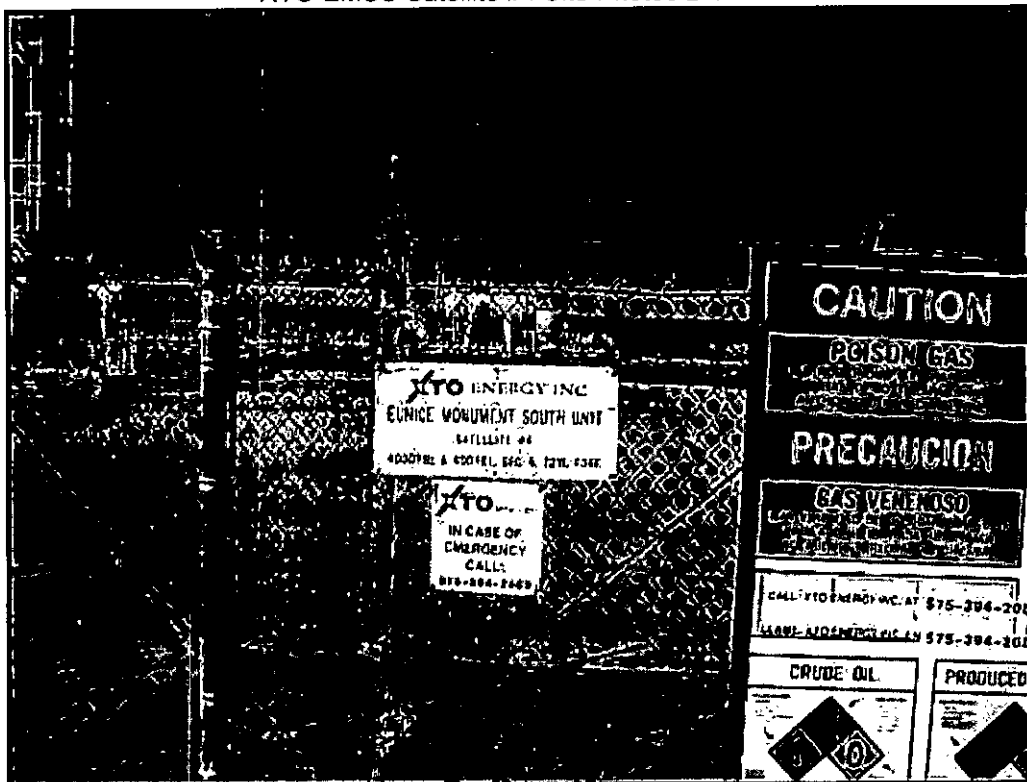
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

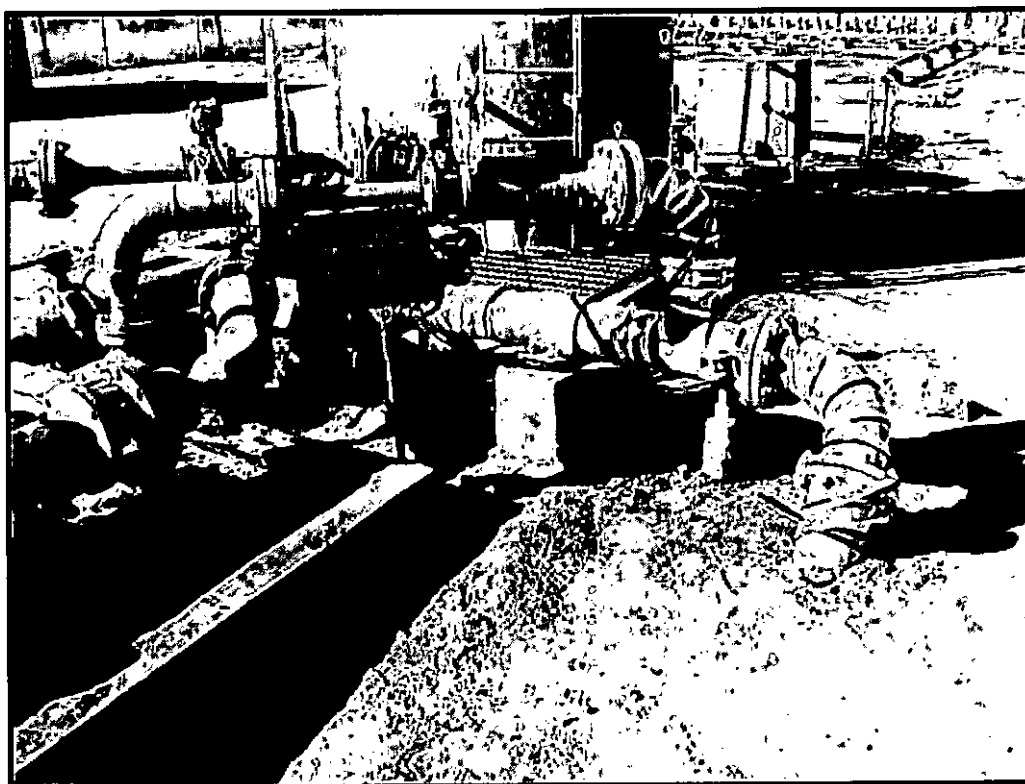
Company Name: <b>SEEF</b>		<b>BILL TO</b>		ANALYSIS REQUEST															
Project Manager: <b>Bob Allen</b>		P.O. #:																	
Address: <b>703 E Clinton</b>		Company:																	
City: <b>Hobbs</b>		Attn:																	
Phone #: <b>575-397-0510</b>		Address:																	
Fax #: <b>575-397-0510</b>		City:																	
Project #: <b>870-11-001</b>		State: <b>NM</b>		Zip: <b>88240</b>															
Project Name: <b>EMSV &amp; Satellite # 4</b>		Project Owner: <b>ATA Energy</b>																	
Project Location: <b>Oil Center, NM</b>		Phone #:																	
Sampler Name: <b>Stage Kincaid</b>		Fax #:																	
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING													
		GROUNDWATER		ACID/BASE		DATE													
		WASTEWATER		ICE/COOL		TIME													
		OIL		OTHER															
		SLUDGE																	
		# CONTAINERS																	
		(G)RAB OR (C)OMP.																	
Lab I.D.		Sample I.D.																	
H100353-1		SP#1 2' bgs																	
2		SP#2 Surface																	
3		SP#2 2' bgs																	
4		SP#3 1' bgs																	
5		SP#4 Surface																	
6		SP#5 Surface																	

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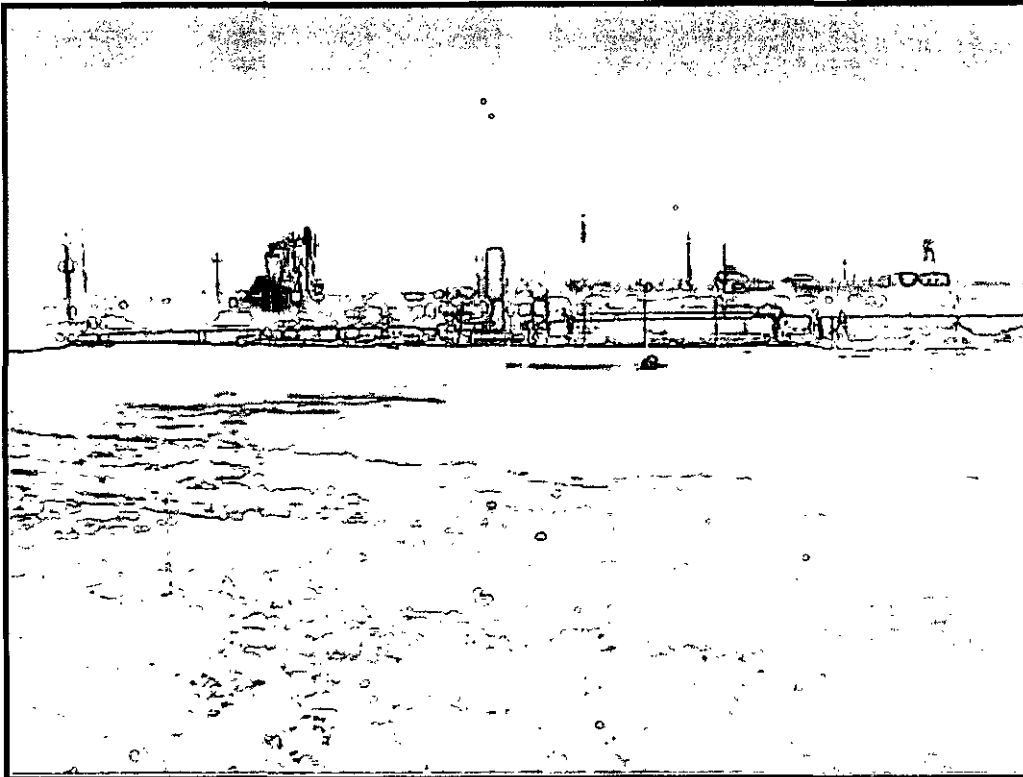
Relinquished By:	Date: <b>2/22/11</b>	Received By: <b>Wendi Benson</b>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <b>1545</b>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <input checked="" type="checkbox"/> Sampled <input type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:		CHECKED BY: (Initials) <b>WAB</b>		
Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>		REMARKS: <b>sample taken &amp; brought immediately to lab. QA</b>		



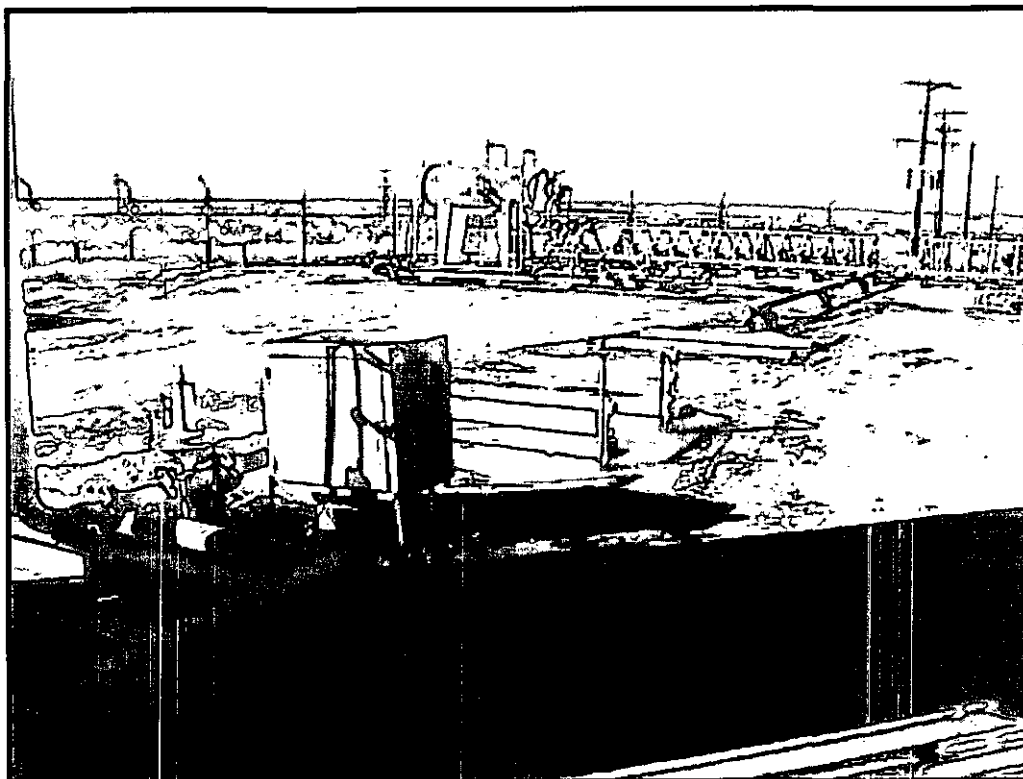
Well sign



Release point facing north

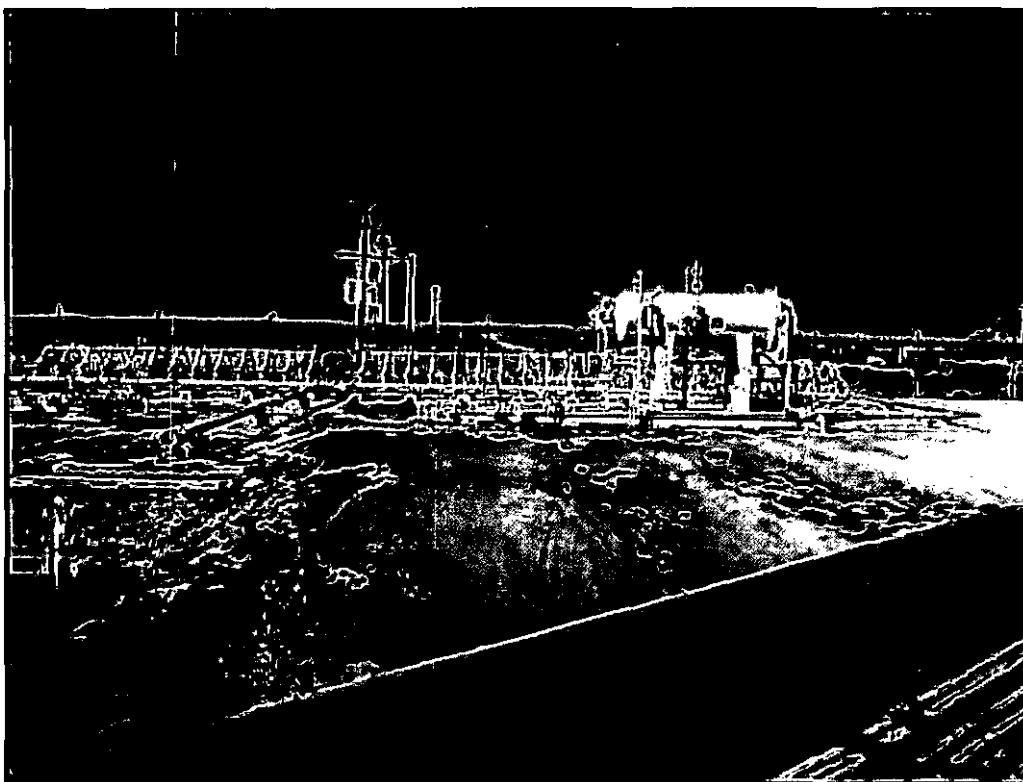


Release area facing east



Release area facing north

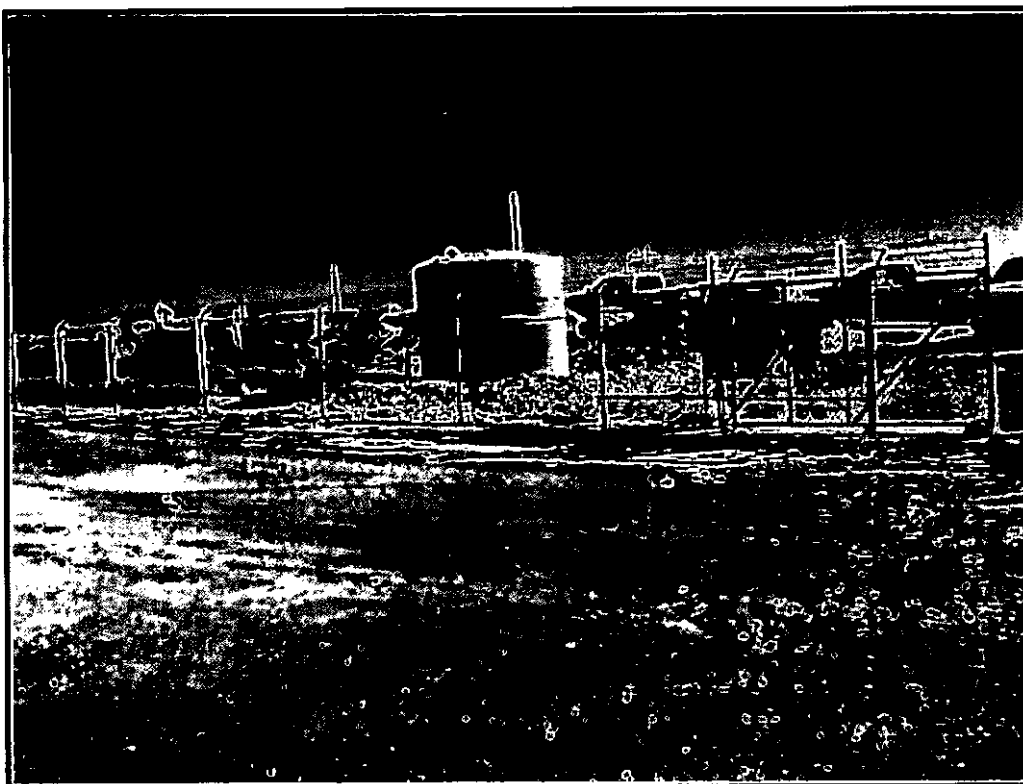




Release area facing north



Release area facing northwest



Release area facing south



Release area facing west