Eistrict 1
1625 N. French Dr., Hobbs, NM 88240
Istrict II
801 W. Grand Avenue, Artesia, NM 88210
Istrict III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
220 8. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resource RECEIVED

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate

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

JUL 12 2010

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

Release Notification and	Corrective Action	1	
A 50 500 500 500 500 500 500 500 500 500	0.70000	-	ed a t-

						OPERA'	ror			al Report Final Rep
Name of Co		TO Energy,			(4	Contact: Jef	f Raines			
Address		00 N. Lorraii Iidland Texa		800		Telephone ?	io. 432,557.315	59		
Facility Name Eunice Monument South Unit B # 923					1	Facility Typ	e: Historic Spil	1		
Surface Owner Mineral Owner					wner		The one		Lease 1	No. API 30-025-04304
				LOCA	TION	OF RE	LEASE			
nit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County
	24	20 S	36 E	660	FSL		1980	FWL		Lea
			de responsable de la company	3' 17.8"N		Longitu	de: 103° 18' 20			193
		1 45 11 11	100 100	and the same	TIDE			-11 49		
ne of Rele	ase unknov	vn		NAI	URE	OF REL	Release N/A		Volume I	Recovered: N/A
urce of Re						The second second second second	our of Occurrence	e N/A		Hour of Discovery N/A
THE RESERVE AND ADDRESS OF THE PARTY.	ate Notice	The second secon	Yes 🗵	No □ Net Re	quired	If YES, To			ar miv miv	ar or enteresty area.
Whom? -						Date and I-	our -			
as a Water	course Rea	ched?	Yes 🗵] No		If YES, Vo	ume Impacting	the Wate	rcourse.	
bandoned h	nistorical ta ea Affected	and Cleanup	Delineati	ion is in progress.	to the NI	MOCD for a	eproval.			
gulations a ablic health could their of the environ	Il operators or the envi operations to nment. In a	are required to ronment. The nave failed to	o report an acceptant adequately ICD accep	nd/or file certain re ce of a C-141 report investigate and re	clease no rt by the mediate	ntifications as NMOCD m contaminati	nd perform correct erked as "Final R on that pose a three the operator of	tive acti eport" de eat to gr responsi	ons for rel oes not rel ound water bility for c	suant to NMOCD rules and eases which may endanger leve the operator of liability r, surface water, human health ompliance with any other
grature	110	aime	J_			Approved by	OIL CON		ATION	DIVISION
inted Name	e: Jeff Rain	es								
tle: Constr	uction Fore	man			1	Approval Dat	e:	I	Expiration	Date:
nail Addre	ess: Jeff_Ra	ines@xtoener	gy.com			Conditions of Approval: Attack			Attached	
	tember 25, tional She	2009 ets If Necess	Phone:	432,557,3159		4				

XTO Energy EMSU-B #923 Township 20 South, Range 36 East, Section 24 Lea County, New Mexico

Work Plan

June 28, 2010

RECEIVED

JUL 12 2010 HOBBSOCD

world plan approved

Der dilling of Dereholes Der extent of contamination

to discurs path servard.



Prepared for:

XTO Energy P.O. BOX 700 Eunice, New Mexico 88231-0700

By:

Environmental Safety & Environmental Solutions, Inc. 57/1/2/10 703 East Clinton Hobbs. New Mexico 88240 (575) 397-0510

I. Company Contacts

Name	Company	Telephone	E-mail
Gene Hudson	XTO Energy	575-441-1634	Richard Hudson@xtoenergy.com
Isaac Kincaid	SESI	575-390-8841	ikincaid@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by XTO Energy to perform clean-up services at the EMSU-B #923 spill site. This is an area with old hard pan staining that resulted from previous operators activities. The contaminants of concern at the site appear to be crude oil and possibly produced water.

XTO Energy Inc. acquired these leases in September 2004. There has not been any facilities, pipeline, or flow lines operated on or nearby any of these subject sites by XTO Energy. However, a search of the New Mexico Oil Conservation Division (NMOCD) online database, the well files revealed the leases were held by the following companies:

Lease #	Year	Company
EMSU-B #923	1943-1976	Continental Oil
	1979	Conoco Inc
	1990	Chevron USA Inc.
	2004	XTO Energy Inc.

III. Surface and Ground Water

The closest groundwater of record with the Office of the State Engineer is located in Township 20 South, Range 37 East, and Section 19. The depth of water in this well was 35' in 1953.

IV. Work Performed

On October 8, 2009, SESI was onsite with Diamondback Disposal Services Inc. to install 7 test trenches from excavated area to determine vertical extent. The area has already been excavated to a depth of 6 to 8 ft. below ground surface (bgs). The test trenches were installed to a depth of 8 to 18 ft. bgs. Samples were retrieved at a depth of 3 to 5 feet intervals and were properly preserved and transported under Chain-of-Custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), and Total Petroleum Hydrocarbons (EPA method 8015 M).

The results of the analysis are as follows:

Sample Point	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
TT#1 8'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
TT #2 9'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
TT #3 10'	11.6	440	< 0.050	< 0.050	< 0.050	0.368
TT #3 14'	11.6	545	0.060	0.145	0.283	0.946

Sample Point	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
TT #3 18'	459	1,890	< 0.050	0.249	< 0.050	2.94
TT #4 11'	1,120	2,620	0.763	0.878	1.94	6.21
TT #4 15'	971	1,690	0.439	0.876	1.61	4.95
TT #5 10'	30.0	720	< 0.050	0.137	< 0.050	1.39
TT #5 15'	109	2,200	< 0.050	< 0.050	< 0.050	0.936
TT #5 18'	41.8	1,160	< 0.050	< 0.050	< 0.050	0.491
TT #6 10'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
TT #6 12'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
TT #7 9'	<10.0	25.8	< 0.050	< 0.050	< 0.050	< 0.300
TT #7 12'	77.4	1,260	< 0.050	< 0.050	< 0.050	1.02
TT #7 15'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300

On December 9, 2009, SESI was onsite to obtain an 11 point composite on floor bottom. The sample was analyzed for Chlorides (EPA Method 4500-CI-B) sample was taken at a depth of 8 ft. bgs.

The result of the analysis is the following:

Sample ID	Cl' (mg/kg)
Bottom 8' Composite	<16

On December 18, 2009, SESI was onsite with Gene Hudson, XTO representative, Dave Boyer, Hydro-geologist, and Diamondback Disposal. There were three areas with standing water (labeled N, E, S see figure 2).

The north area puddle (N) between TT#2 and TT#6 is located slightly away from the north end of the excavation and shows no sign of another source of water other than runoff from the excavation sides. Slightly elevated bottom areas were observed adjacent to the puddle.

The south area puddle (S) is located against the south edge of the excavation with ice covering a portion. It is close to TT#7. Erosion channels in the bottom of the excavation can be seen leading to the puddle and indicate it receives snowmelt and runoff from the higher portion of the excavation. No other source of water was observed.

The northeast area puddle (E) was excavated to a depth of 3 ½ ft bgs to determine if shallow groundwater was present as a source of the puddle. The excavations were dry and left open for several hours to see if water would seep into the trench. At the end of this time, it remained dry with no sidewall or bottom seepage and was backfilled.

On January 11, 2010, Dave Boyer, Hydro-geologist with SESI was onsite. Mr. Boyer observed that the puddles had decreased in size (as evidenced by higher elevation "bathtub rings) and stated that the remaining fluid in these areas is no more than precipitation/runoff water ponded by the clayey sediments at the bottom of the excavation. These will evaporate with decreasing precipitation and warmer weather.

Test trench #4 was re-excavated December 18 to determine to depth of hydrocarbon impacts, especially BTEX. The trench was excavated by a trackhoe to a depth of 22 ft.

bgs. Samples were retrieved at 2 ft. bgs intervals and were properly preserved and transported under Chain-of-Custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), Total Petroleum Hydrocarbons (EPA method 8015 M), and a Chloride (EPA Method 4500-Cl-B) sample was taken at a depth of 22 ft. bgs.

The results of the analysis are as follows:

Sample Point	CI ⁻ (mg/kg)	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
TT #4 16'	-	<10.0	76.4	< 0.050	0.127	0.058	0.556
TT #4 18'	-	398	1,730	< 0.050	0.559	0.535	3.77
TT #4 20'	-	282	1,520	< 0.050	0.573	0.435	3.17
TT #4 22'	<16	563	2,190	< 0.050	0.433	0.433	3.74

On May 7, 2010, at 9 in the morning David Boyer with Safety and Environmental Solutions, Inc. (SESI) was onsite with Geoffrey Leking, New Mexico Oil Conservation Division (NMOCD), David Paschal, XTO Energy, and Clay Tom Cooper, Land owner, to install three (3) test trenches in the north and southeast corners of the excavated area.

Test trench #1 was installed in the southeast corner to five (5) feet inside excavated area, two (2) samples were retrieved from soil pile and one (1) sample was retrieved from a clod of soil from excavation.

Test trench #2 was installed in the northeast corner at four feet eight inches (4'8") inside excavated area, one (1) sample was retrieved from soil pile.

Test trench #3 was installed sixty-five (65) feet west of test trench #2 to a depth of four feet eight inches (4'8") inside excavated area, one (1) sample was retrieved from soil pile.

Sample ID	CI ⁻ (mg/kg)	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
TT #1 Soil Pile bottom	16	<10.0	173	< 0.050	< 0.050	< 0.050	< 0.300
TT #1 Soil Clod	32	67.2	1,100	< 0.050	0.559	0.075	0.460
TT #1 Soil Pile bottom	32	<10.0	254	< 0.050	<0.050	0.166	1.20
TT #2 Soil Pile Bottom	<16	87.5	1,560	< 0.050	< 0.050	0.119	0.706
TT #3 Soil Pile Bottom	<16	64.3	463	< 0.050	< 0.050	< 0.050	< 0.300

Each of the three (3) test trenches were left opened until 3 pm when Bob Allen and David Boyer with Safety and Environmental Solutions, Inc., Rick Wilson with XTO Energy, Clay Tom Cooper, Land owner, and Geoffrey Leking, NMOCD to verify no standing water in the test trenches.

On June 25, 2010, Safety and Environmental Solutions, Inc. (SESI) was onsite at XTO Energy EMSU-B #923 to install a monitor well on the south side of the location area. This area was drilled to a depth of seventy-six (76) feet below grade surface; water was not

encountered at that depth. The monitor well was then plugged with thirty-eight (38) bags of bentonite.

V. Closure Plan

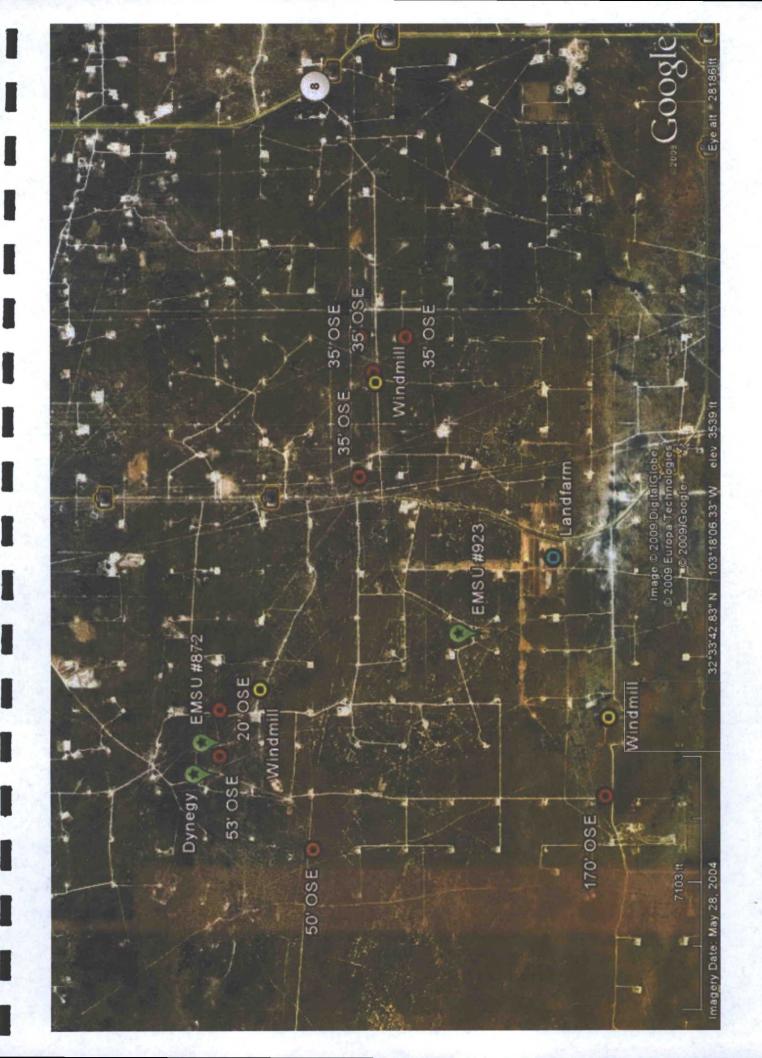
The site has been excavated to a depth ranging from 7 to 10 feet below the original ground surface. The source material has been removed and disposed of at South Monument Surface Waste Facility L.L.C., an approved NMOCD facility which is within a quarter mile of this site.

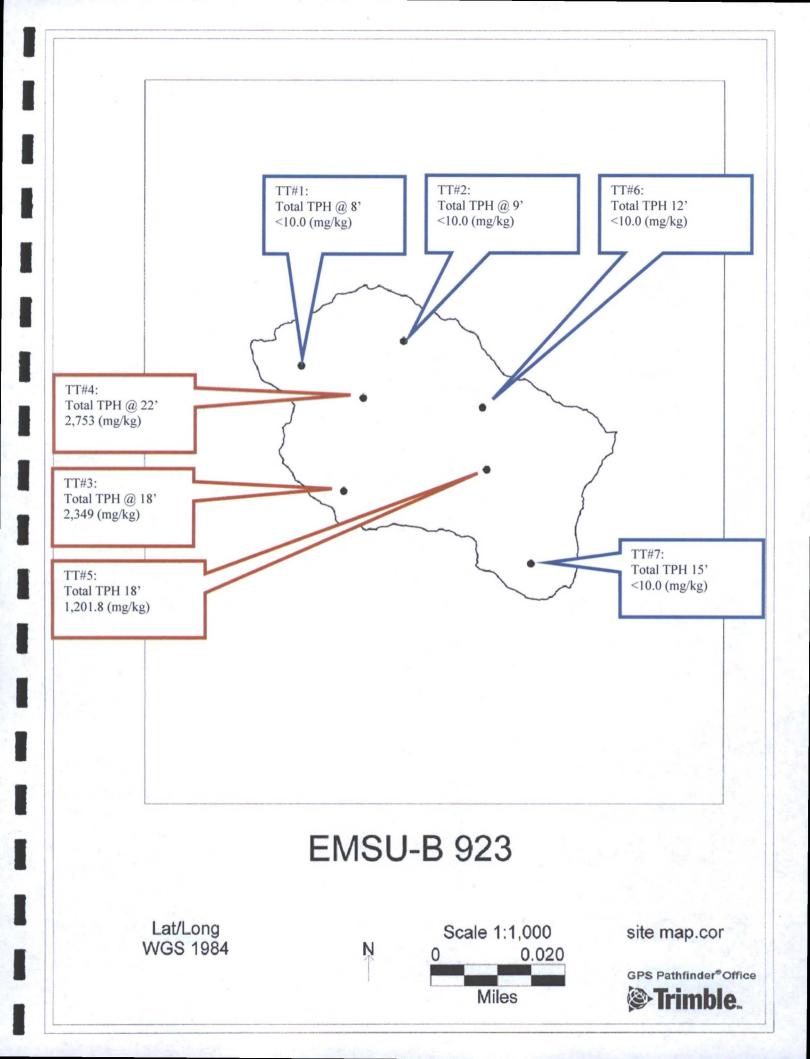
SESI proposes that a total of three (3) boreholes be installed. One (1) borehole each at Test Trench #3, #4, and #5 to determine the vertical extent of contamination in these areas. At a depth of twenty (20) feet below grade surface, samples will be retrieved every five (5) feet and transported to Cardinal Laboratories to be analyzed for Total Petroleum Hydrocarbons (TPH EPA Method 418.1) and Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX EPA Method 8260B).

Once vertical extent is determined, it is requested that the bottom of the excavation be ripped to a depth of two to three feet to allow the site to aerate. After aeration, the bottom of the excavation will be sampled to document any contaminants being left in place, then the sides of the excavation will be pushed in toward the middle and contoured.

VI. Figures & Appendices

Figure 1 – Vicinity Map
Figure 2 – Site Plan
Appendix A – Analytical Results
Appendix B – Site Photos
Appendix C – C-141







May 11, 2010

Bob Allen Safety & Environmental Solutions, Inc. 703 East Clinton, #103 Hobbs, NM 88240

Re: EMSU B #923 (XTO-09-004)

Enclosed are the results of analyses for sample number H19857, received by the laboratory on 05/07/10 at 4:50 pm.

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 though 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 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene Laboratory Director



SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 05/07/10

Reporting Date: 05/11/10

Project Owner: XTO (XTO-09-004)

Project Name: EMSU B #923

Project Location: MONUMENT, NM

Sampling Date: 05/07/10

Sample Type: SOIL

Sample Condition: COOL & INTACT

CI*

Sample Received By: JH Analyzed By: AB/ZL/HM

GRO DRO ETHYL TOTAL (C₆-C₁₀) (>C₁₀-C₂₈) BENZENE TOLUENE BENZENE XYLENES LAB NO. SAMPLE ID

> (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10
H19857-1 TT-1, SOIL PILE BOTTOM	<10.0	173	< 0.050	< 0.050	< 0.050	<0.300	16
H19857-2 TT-1, SOIL CLOD	67.2	1,100	<0.050	< 0.050	0.075	0.460	32
H19857-3 TT-2, SOIL PILE BOTTOM	87.5	1,560	< 0.050	< 0.050	0.119	0.706	< 16
H19857-4 TT-3, SOIL PILE BOTTOM	64.3	463	<0.050	< 0.050	0.166	1.20	< 16
H19857-5 TT-1, SOIL PILE BOTTOM	<10.0	254	<0.050	<0.050	<0.050	<0.300	32
4							
1417							
Quality Control	491	476	0.020	0.023	0.022	0.064	500
True Value QC	500	500	0.020	0.020	0.020	0.060	500
% Recovery	98.2	95.2	100	115	110	107	100
Relative Percent Difference	1.7	1.8	7.0	2.0	2.0	3.1	<0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B *Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

H19857 TBCL SESI

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Jo

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(505) 393-2326 Fax (505) 393-2476 (915) 673-7001 Fax (915) 673-7020

Terms and Conditions; Meres will be obserged on at accounts more than 30 days past due at the rate of 24% per annum from the original date of involce. and all costs of colections, including attomay's fees, ANALYSIS REQUEST No Additional Fax #: analyses. At claims including those for neoligence and any other course whatsoever shat be deamed warked ustess much in willing and received by Cardinal within 30 days ands on procedur of the applicable service. In no evera shall Cardinal be fable for incidental or consequental demages, inciving without limitalion, business interruptions, loss of use, or loss or profits incursed by clear, its substitutes. P. E.S.S. HOTE: Dathy and Baragoa. Cardnafa fathly and clear's acclasive ramed for any dalin alpho whather based in octan of rost, shall be fighted to the smooth paid by the start for the emises or successors artisting and of or related to the performance of sendors therefore the Cardonal representation of whather such claim is based upon any of the above related research of phone Result of Ye armylar Relinquished:

| Phone Result of Ye armylar Relinquished: X Fax Result: REMARKS: 2160 526 840 TIME 500 SAMPLING # Od ZIp: DATE Attn: JP Acon BLLLTO: ABHTO Company: PRES. Address: Phone #: KICE / COOF Received By: (Lab Staff) Fax #: State: YCID: CITY: OTHER: SUDDE MATRIX TIOS **MASTEWATER** 88240 REPOUNDWATER D (G)RAB OR (C)OMP. B State: NM ZIp: - Or Project Owner: #600 Soilfilebolon F3, Soil Pile bottom FI. Soil Pile bollon Tlme: RIPION Sample I.D. Address: 703 E. CLINTON, #103 noncom Soil 397-0510 Delivered By: (Circle One) 393-4388 Project Manager: 1256 Company Name: SEST S W Phone #: (505) Project Location: FOR LAB USE ONLY Relinquished By: 5051 LAB I.D. Project Name: Project #: X City: HOBBS H19857 Fax #:

Ne Trace

Sampler - UPS - Bus - Other;

† Cardinal cannot accept verbal changes. Pleat lax Millen changes to 915-673-7020.



December 22, 2009

Bob Allen Safety & Environmental Solutions, Inc. 703 East Clinton, #102 Hobbs, NM 88240

Re: EMSU # 923 (XTO-09-004)

Enclosed are the results of analyses for sample number H18912, received by the laboratory on 12/18/09 at 2:30 pm.

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 though 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 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Reene Laboratory Director



SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240

FAX TO: (575) 393-4388

Receiving Date: 12/18/09 Reporting Date: 12/22/09

Project Owner: XTO ENERGY (XTO-09-004)

Project Name: EMSU # 923

Project Location: MONUMENT, NM

Sampling Date: 12/18/09 Sample Type: SOIL

Sample Condition: COOL & INTACT @ 6°C

Sample Received By: NF

Analyzed By: AB/CK

GRO	DRO
(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)
(mg/kg)	(mg/kg)
	(C ₆ -C ₁₀)

ANALYSIS DATE:	12/20/09	12/20/09
H18912-1 TT #4 16' BGS	<10.0	76.4
H18912-2 TT #4 18' BGS	398	1,730
H18912-3 TT #4 20' BGS	282	1,520
H18912-4 TT #4 22' BGS	563	2,190
Quality Control	551	567
True Value QC	500	500
% Recovery	110	113
Relative Percent Difference	<0.1	2.8

METHOD: SW-846 8015 M. Reported on wet weight. Not accredited through NELAP for GRO/DRO.

Lab Director

H18912T SESI

12/22/09



SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 12/18/09

Reporting Date: 12/22/09

Project Owner: XTO ENERGY (XTO-09-004)

Project Name: EMSU #923

Project Location: MONUMENT, NM

Sampling Date: 12/18/09

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 6°C

Sample Received By: NF

Analyzed By: ZL

LAB NO. SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:	12/21/09	12/21/09	12/21/09	12/21/09
H18912-1 TT#4 16'BGL	<0.050	0.127	0.058	0.556
H18912-2 TT#4 18'BGL	<0.050	0.559	0.535	3.77
H18912-3 TT#4 20'BGL	< 0.050	0.573	0.435	3.17
H18912-4 TT#4 22'BGL	<0.050	0.433	0.433	3.74
Quality Control	0.051	0.049	0.048	0.146
True Value QC	0.050	0.050	0.050	0.150
% Recovery	102	98.0	96.0	97.3
Relative Percent Difference	3.9	2.0	4.2	3.6

METHODS: BTEX - SW-846 8021B.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight.

Lab Director

nhelog



SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 12/18/09

Reporting Date: 12/21/09

Project Number: XTO-09-004 (XTO)

Project Name: EMSU #923

Project Location: MONUMENT, NM

Analysis Date: 12/21/09

Sampling Date: 12/18/09

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 6°C

12/22/09

Sample Received By: NF

Analyzed By: HM

LAB NO.	SAMPLE ID	CI (mg/kg)
	T #4 22' BGS	< 16
7		
Quality Contro		500
True Value QC	,	500
% Recovery		100
Relative Perce	nt Difference	< 0.1

METHOD: Standard Methods 4500-Cl⁻B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Not accredited for Chloride.

Chemist

Date

H18912 SESI

		α
	œ	-
	ARDINAL LABORATORI	101 East Marland Hobbs NM 8
	9	_
	-	U
	ST	2
	~	5
	œ	7
	~	-
	\circ	7
	m	2
		n
	Q	L
	-1	4
		2
	_	7
	-	ñ
	7	Ш
	2	-
	-	C
	0	-
	~	
	T	
	A	
	-	A
	- 3	0
	1	
1	47	
1	理	
all the	A STATE OF THE PARTY OF THE PAR	
Sur	-	
-	-	
-	-	

INAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

of

Page

ompany Name: > 6>I	BILL TO	ANALYSIS REQUEST
roject Manager: Sob Allen	P.O. #:	
ddress: 763 E clinfon	Company:	6
ity: 14-065 State: MM Zip: 88240	Attn:	م الم
hone #: 575-397-0510 Fax #:	Address:	מפי
roject #: X70-09-004 Project Owner: X70	City:	el ST
roject Name: EMSU \$923	State: Zip:	. 70
ct Location: My number 1, 111	Phone #:	5
Lunipler Name: & Sanc Kinea id	Fax #:	7
FOR LAB USE ONLY	PRESERV. SAMPLING	, C
ЯЭТ		X
AWD TAWD	OC YSE:	7/
	ABIOD/ 300 / 300 THER	10/2/
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10/11/90	
-> Total 181695 611	6500	
-3 TTHG 201495 61 1	1 0808	
174 22' kg5 611 "	2130 1	× >
EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arisinous whether based in contract or toot, shall be limited to the amount road by the client for the	or first chall be limited to the amount neight by the cleant for	. Ita
all claims including those for negligence and any other cause whatsoever shall be demand upless made in writing and received by Cardinal within 30 days after completion of the applicable into event shall cardinal be lable for incidental or <u>consequental</u> damages, including without limitation business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. Incidental out the profits incurred by client, its subsidiaries. Incidental out the profits incurred by client, its subsidiaries of successors arrang out object related to the profits incurred by client, its subsidiaries.	control of the contro	interplicable the applicable files,
Date: 2/1/9 Received		sult:
Received By:	Email Email	il realts to office 205ESI-NM. Com
Time:		
Delivered By: (Circle One) Temp. Sample Condition Cool Intact	ion CHECKED BY:	
Sampler - Ors - Bus - Other:	したっ	

t Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

Hrem #36



SAFETY & ENVIRONMENTAL SOLUTIONS

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240 FAX TO: (575) 393-4388

Receiving Date: 12/09/09
Reporting Date: 12/10/09
Project Number: XTO 09,004

Project Number: XTO-09-004
Project Name: EMSU #923

Project Location: MONUMENT, NM

Analysis Date: 12/10/09 Sampling Date: 12/09/09 Sample Type: SOIL

Sample Condition: INTACT @ 22.5°C

Sample Received By: ML

Analyzed By: HM

	CI
LAB NO. SAMPLE ID	(ppm)
H18845-1 BOTTOM 8' COMPOSITE	< 16
Ouglity Control	50
Quality Control	500
True Value QC	500
% Recovery	100
Relative Percent Difference	< 0.1

METHOD: Standard Methods 4500-Cl B

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

12/14/09

of

ANALYSIS REQUEST

PLEASE NOTE: Liability and Damagas, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable
ö
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal recardless of whether such claim is based inon any of the above extend research or otherwise.

ikincaid & Sest-Im-Com	service. In the event small Cardinal be liable for incidental of conse affiliates or successors arising out of or related to the performance	service. It indevents an existing out of or incidental of consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	y client, its subsidiaries. reasons or otherwise.	
Invered By: Circle One) Time: Sample Condition CHECKED BY: Cool Intact (Initials) To Sample Condition CHECKED BY: Cool Intact (Initials) The Sample Condition CHECKED BY: Cool Intact (Initials) The Sample Condition CHECKED BY: Cool Intact (Initials) The Sample Condition CHECKED BY: Cool Intact (Initials)	Sampler Relingerished:	Date: 19(05 Received By:		
Time: Temp. Sample Condition Cool Intact	udnigu	Received By		
Temp. Sample Condition Cool Intact On Tess Tes		Time:		
22.59 Two Pres	Delivered By: (Circle One)	Sample Condition		
	Sample - UPS - Bus - Other:	Ves Tres		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #102 HOBBS, NM 88240

FAX TO: (575) 393-4388

Receiving Date: 10/08/09

Reporting Date: 10/13/09

Project Owner: XTO ENERGY (XTO-09-004)

Project Name: EMSU - B 923
Project Location: MONUMENT, NM

Sampling Date: 10/08/09

Sample Type: SOIL

Sample Condition: COOL & INTACT @ 4.5°C

Sample Received By: CK

Analyzed By: AB/ZL

	GRO	DRO			ETHYL	TOTAL
LAB NO. SAMPLE ID	$(C_6 - C_{10})$	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS DATE:	10/13/09	10/13/09	10/12/09	10/12/09	10/12/09	10/12/09
H18446-1 TT#1 8'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
H18446-2 TT#2 9'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
H18446-3 TT#3 10'	11.6	440	< 0.050	< 0.050	< 0.050	0.368
H18446-4 TT#3 14'	11.6	545	0.060	0.145	0.283	0.946
H18446-5 TT#3 18'	459	1,890	< 0.050	0.249	<0.050	2.94
H18446-6 TT#4 11'	1,120	2,620	0.763	0.878	1.94	6.21
H18446-7 TT#4 15'	971	1,690	0.439	0.876	1.61	4.95
H18446-8 TT#5 10'	30.0	720	< 0.050	0.137	< 0.050	1.39
H18446-9 TT#5 15'	109	2,200	< 0.050	< 0.050	< 0.050	0.936
H18446-10 TT#5 18'	41.8	1,160	< 0.050	< 0.050	< 0.050	0.491
H18446-11 TT#6 10'	<10.0	<10.0	< 0.050	< 0.050	< 0.050	< 0.300
H18446-12 TT#6 12'	<10.0	<10.0	< 0.050	< 0.050	<0.050	< 0.300
H18446-13 TT#7 9'	<10.0	25.8	< 0.050	< 0.050	< 0.050	< 0.300
H18446-14 TT#7 12'	77.4	1,260	< 0.050	< 0.050	<0.050	1.02
H18446-15 TT#7 15'	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control	440	512	0.049	0.047	0.048	0.141
True Value QC	500	500	0.050	0.050	0.050	0.150
% Recovery	88.0	102	98.0	94.0	96.0	94.0
Relative Percent Difference	2.9	0.6	13.3	13.5	7.7	14.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight. Not accredited for GRO/DRO.

Lab Director

10/13/09 Date

H18446 TPHBTEX SESI

ARDINAL LABORA

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 Fax (575) 393-2476

9

Company Name: SESE		BILL	TO	ANALYSIS REQUEST
Project Manager: Reh Allen		P.O. #:		
Address: 703 & (1:0101)	7	Company:		
City: Hobbs State: MM	Zip: 88240	Attn:		
Phone #: 575-397-0510 Fax #:		Address: Sm	ne	
Project #: X70-05-004 Project Owner:	1. X70	City:		
Project Name: XTO EMSU-R, S2 3		State: Zip:		
Proviect Location: Monument, no		Phone #:		
S. Aer Name: ISGAC Kincaid		Fax #:		5/
	MATRIX	PRESERV. S.	SAMPLING	
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. GOUTAINERS SROUNDWATER SOIL SOIL IL IL SLUDGE	THER: CE / COOL CE / COOL	DATE	X2151 08 Hd]
1 7-7-4/ X'			0	
15 2212 7			0820	
3 77#3 10'			0823	
1/2 E#1			0838	
5 17 #3 18			0200	
11 haz/ 0			0826	
1 TT#4 151			0833	
3 17#5 101			0550	
4 7725 151			5260	
10 -THS 1X	7	>	0550	

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. PLEASE NOTE: Liability and Darinages. Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the

Wincard @ SESE-non-com Office 2 @ SESE-non-com Add'I Phone #: Add'I Fax #: 2 2 Phone Result: Fax Result: REMARKS: HECKED BY: Intact
Yes Yes Received By: 10/8/GReceived By. Time: Date: Time: Date: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Sampler Relinguished Relinquished By

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

ARDINAL LABORATO

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Company Name: SESE		BIL	BILL TO		ANALYSIS	REQUEST	
Project Manager: Bob #11cn		P.O. #:					
Address: 70 \$ E Clinton		Company:					
City: Habbs State: NM	State: 1/1 Zip: 88240	Attn:					
Phone #: 575-397-0510 Fax #:		Address: 50	Swie				
Project #: 170-05-004 Project Owner:	11 KTO	City:					
Project Name: EMSU - 923			Zip:				
Project Location: Monumber NM		Phone #:					
Her Name: ISAMC Incard		Fax #:		51			
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	_	_		
Lab I.D. Sample I.D. Hause	G)RAB OR (C)OMP. GROUNDWATER WASTEWATER SOIL OIL	OTHER:	DATE TIME	X2L SI			
11 77#610'	>	>	10/8/9 0938	7			
12 77#6 121			2560				
14 -5-47 121			1015				
15/7#7 151	٠ ١	>	1020	>			
							1000
A CALLES							

analyses. All claims including those for negligance and any other careacy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable services. All claims including those for negligance and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable services and any other caused or consequential damages, including without limitation, business interruptions, loss of profits incurred by client, its subsidiaries.

filtates or accessors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	padished: Date: // Received By: Phone Result: No Add'l Phone #:	Fax Result: No Add'l Fax #:	REMARKS:	By: Date: Received By:	Time:	By: (Circle One) Temp. Sample Condition CHECKED BY:	Ss - Bus - Other:
affiliates or successors arising out of or related to the p	Sampler Relinedished:	1	1	Relinquished By:		Delivered By: (Circle One)	Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

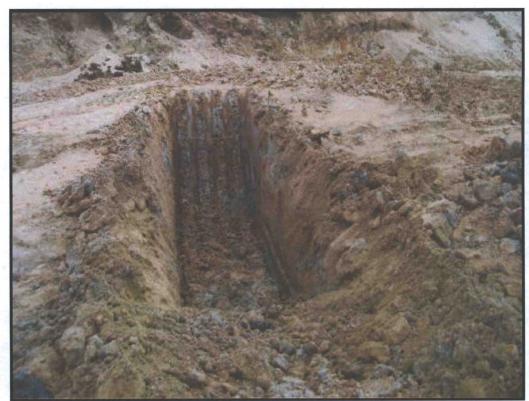
XTO EMSU-923 Site Photos 10-8-09



Excavated area



Test trench #1 8'



Test Trench #2 9'



Test trench #3 10'



Test Trench #4 11'



Test Trench #5 18'



Test Trench #6 12'



Test Trench #7' 15

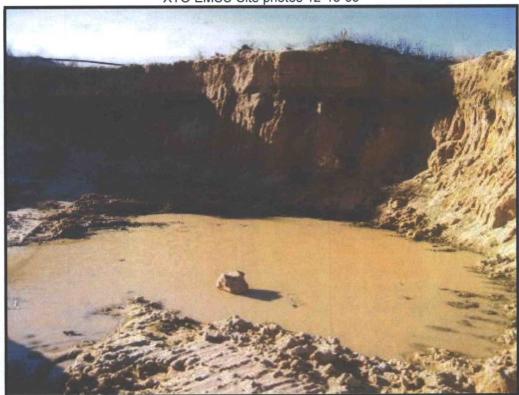


Test Trenches backfilled facing southwest

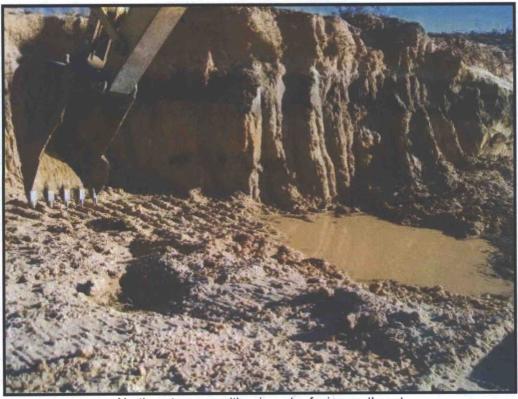


Test Trenches backfilled facing northwest

XTO EMSU Site photos 12-18-09



Southeast corner with rain water facing south



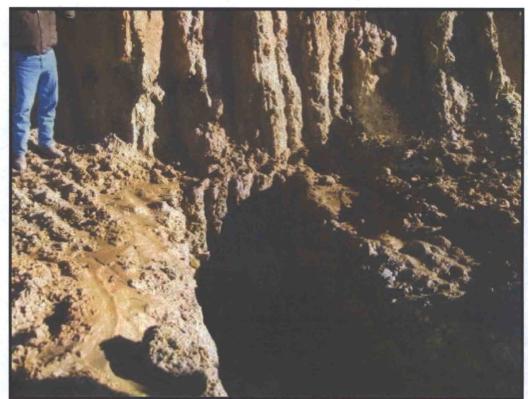
Northeast corner with rain water facing northeast



Northeast corner with rain water on top facing east



Northeast corner at 3 1/2' dry facing north



Northeast corner north wall facing north



North wall facing north



Test Trench #4 @ 16'bgs facing west



Test Trench #4 @ 18'bgs facing west



Test Trench #4 @ 20'bgs facing west



Test Trench #4 @ 22'bgs



Test Trench #4 backfilled facing west



Northeast corner bottom dry facing east



Northeast corner backfilled facing east