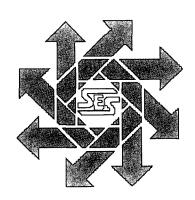
XTO Energy, Inc. EMSU-B #923 Township 20 South, Range 36 East, Section 24 Lea County, New Mexico

Closure Report

RECEIVED

NOV 17 2010 HOBBSOCD

November 1, 2010



Prepared for:

XTO Energy, Inc. 200 North Lorraine, Suite 800 Midland, Texas 79701

Prepared by:

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

Opproved Dy: Steeffrey Jehrny NMOCD-Hobby 12/17/10

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I. Company Contacts

Name	Company	Telephone	E-mail
Jeff Raines	XTO Energy, Inc.	432.557.3159	Jeff Raines@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-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. 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, Inc. 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. 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 36 East, and Section 26. The depth of water in this well was 170' in July1954.

IV. Soils

The surface soils in the area are predominantly sand and sandy loam.

V. Characterization

The target cleanup levels are reached by the application of the "Unlined Surface Impoundment Closure Guidelines New Mexico Oil Conservation Division (NMOCD) – February, 1993 to this site is 5,000 parts per million (ppm) Total Petroleum Hydrocarbons (TPH). Application of the New Mexico Oil Conservation Division's ranking criteria for contaminated soils at this site is presented below:

Depth to Ground Water:							
(Vertical distance from contaminants	to	Less than 50 feet	20 points				
seasonal high water elevation	of	50 feet to 99 feet	10 points				
groundwater)		>100 feet 0 point					
Wellhead Protection Area:							
(Less than 200 feet from a private dome	stic	Yes	20 points				
water source; or less than 1000 feet from other water sources)	No	0 points	X				

Distance to Surface Water:			
(Horizontal distance to perennial lakes,	Less than 200 feet	20 points	
ponds, rivers, streams, creeks, irrigation	200 feet to 1000 feet	10 points	
canals and ditches)	>1000 feet	0 points	Χ
	RANKING SCORE (TO	OTAL POINTS)	0

SESI is of the opinion that the groundwater in the vicinity of the site is in excess of 100' below the vertical extent of contamination at the site. The borehole that was drilled in search of groundwater on June 25, 2010 was terminated at a depth of 76' with no signs of groundwater. In addition, the New Mexico State Engineer's online database identified water well located approximately 1.08 miles to the southwest of the site and records a depth to groundwater of 170' in a 400' well drilled in July 1954. In light of the absence of groundwater, the target cleanup level of this site should be 5,000 ppm TPH.

IV. Work Performed

On October 8, 2009, SESI was onsite with Diamondback Disposal Services Inc. to install seven (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 depths ranging from 8 to 18 ft. bgs.

Samples were retrieved at depths ranging from 3 feet 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	GRO	DRO	Benzene	Toluene	Ethyl	Total
ID	(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	(mg/kg)	(mg/kg)	Benzene (mg/kg)	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
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 results of the analysis are as follows:

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

On December 18, 2009, SESI was onsite with Mr. Gene Hudson, XTO Energy, Inc. representative, Mr. David 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 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 #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, Mr. Boyer (SESI) was onsite with Mr. Geoffrey Leking, New Mexico Oil Conservation Division (NMOCD), Mr. David Paschal, XTO Energy, Inc., and Mr. 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.

The samples were analyzed for Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), Total Petroleum Hydrocarbons (EPA method 8015 M), and Chloride (EPA Method 4500-Cl-B).

The results of the analysis are as follows:

Sample ID	Cl ⁻ (mg/kg)	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C₁₀-C₂ଃ) (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. Mr. Bob Allen and Mr. Boyer (SESI), Mr. Rick Wilson with XTO Energy, Inc., Mr. Cooper, landowner, and Mr. Leking, NMOCD were onsite to verify no standing water in the test trenches.

On June 25, 2010, SESI was onsite with Eco/Enviro Drilling to install a monitor well on the south side of the location area. The first foot of the area has been excavated and from 1' to 8' is backfill soil from inside excavated area to build a ramp to set drilling rig.

Mr. Leking, NMOCD, Mr. Cooper, landowner, and Mr. David Paschal, XTO, Energy Inc., were onsite to witness drilling. Mr. Cooper and Mr. Paschal were in and offsite throughout the day.

The borehole was drilled to a depth of seventy-six (76) feet bgs; water was not encountered at that depth. Mr. Leking requested to leave the well open over the weekend to determine if any water comes in. The monitor well was left open with tape around auger and sample labels to show if any signs of tampering. On Monday, no

water had come into the borehole. The monitor well was plugged with thirty-eight (38) bags of bentonite and hydrated. (See Appendix B Site Photographs)

On August 18, 2010, SESI was onsite with Eco Enviro Drilling to delineate the affected area. A total of three (3) boreholes were installed from depths of 38' to 43' below ground surface (bgs). Samples were collected in intervals of 5'. The samples were properly preserved and transported under chain of custody to Cardinal Labs of Hobbs, New Mexico.

The samples were analyzed for Total Petroleum Hydrocarbons (EPA Method 8015M) and BTEX (EPA Method SW-846-8021B) and Chloride (EPA Method 4500-Cl⁻B).

The results of the analysis are as follows:

<u> </u>	- Alf	<u> </u>	888	B	T . 1	Fig. 1	T-4-1
Sample	Ĉľ.	GRO	DRO	Benzene	Toluene	Ethyl	Total
ID.	(mg/kg)	(C ₆ -C ₁₀)	(>C ₁₀ =C ₂₈)	(mg/kg)	(mg/kg)	Benzene	Xylenes
		(mg/kg)	(mg/kg)			(mg/kg)	(mg/kg)
BH #1 18'	48.0	642	2260	1.41	8.66	3.87	16.0
BH #1 23'	-	1500	4500	1.09	10.8	5.01	21.5
BH #1 28'	_	1810	5020	1.09	17.7	7.92	34.5
BH #1 33'	-	1880	5030	0.396	8.04	2.41	17.9
BH #1 38'		<10.0	42.3	<0.050	<0.050	<0.050	<0.150
BH #1 43'	368	<10.0	17.5	<0.050	0.143	<0.050	0.347
BH #2 13'		14.3	414	<0.050	0.314	0.107	0.754
BH #2 18'	-	32.9	490	<0.050	0.204	0.081	0.613
BH #2 23'	_	110	921	<0.050	0.706	0.277	1.77
BH #2 28'	-	71.4	403	<0.050	1.66	0.592	3.63
BH #2 33'	-	<10.0	52.6	<0.050	0.319	0.125	0.853
BH #2 38'	-	<10.0	<10.0	<0.050	0.085	<0.050	0.229
BH #2 43'	<16.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0:150
BH #3 13'	-	<10.0	62.7	<0.050	0.158	<0.050	0.557
BH #3 18'	-	23.2	443	<0.050	0.477	0.254	1.21
BH #3 23'	-	79.3	958	<0.050	0.403	0.206	1.34
BH #3 28'	-	<10.0	111	<0.050	<0.050	0.195	1.57
BH #3 33'	-	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150
BH #3 38'	<16.0	<10.0	<10.0	<0.050	0.066	<0.050	0.258

After samples are retrieved the soil borings were backfilled from total depth to surface with bentonite and hydrated.

On September 28, 2010, SESI was onsite with Parker Energy Support Services to excavate a 20' X 20' area around BH #1 to a depth of 23' below ground surface. Mr. Leking, NMOCD, required this excavation to be performed. The northwest, northeast, and southeast walls have been excavated to clean up areas. Approximately 480 yards of contaminated soils were transported to South Monument Surface Waste Facility for disposal.

Supervisor spoke with Mr. Leking, NMOCD in regards to excavation. Mr. Leking stated that he wanted a 4 point composite sample of the side walls at 11'bgs and 23'bgs and a bottomhole sample at 23'bgs.

The results of the analysis are as follows:

Sample ID	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)
Bottom 23' BGS	1430	4870	<0.500	4.13	2.07	14.3
Sidewall 11' BGS	395	1790	0.031	1.20	0.865	4.52
Sidewall 23' BGS	970	3840	0.487	4.46	2.21	12.0

Based on the results of the analytical results, Mr. Leking granted approval to contour the location.

October 25, 2010 Parker Energy Support Services pushed in sidewalls to contour location area then ripped bottom floor to aerate any remaining hydrocarbons left in place.

V. Conclusion

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements.

As a result, we respectfully submit this closure report for your consideration and approval. The area will be re-seeded in the spring.

VI. Figures & Appendices

Figure 1 - Vicinity Map

Figure 2 – Site Plan

Appendix A - Analytical Results

Appendix B – Site Photos

Appendix C - C-141

Figure 1 Vicinity Map

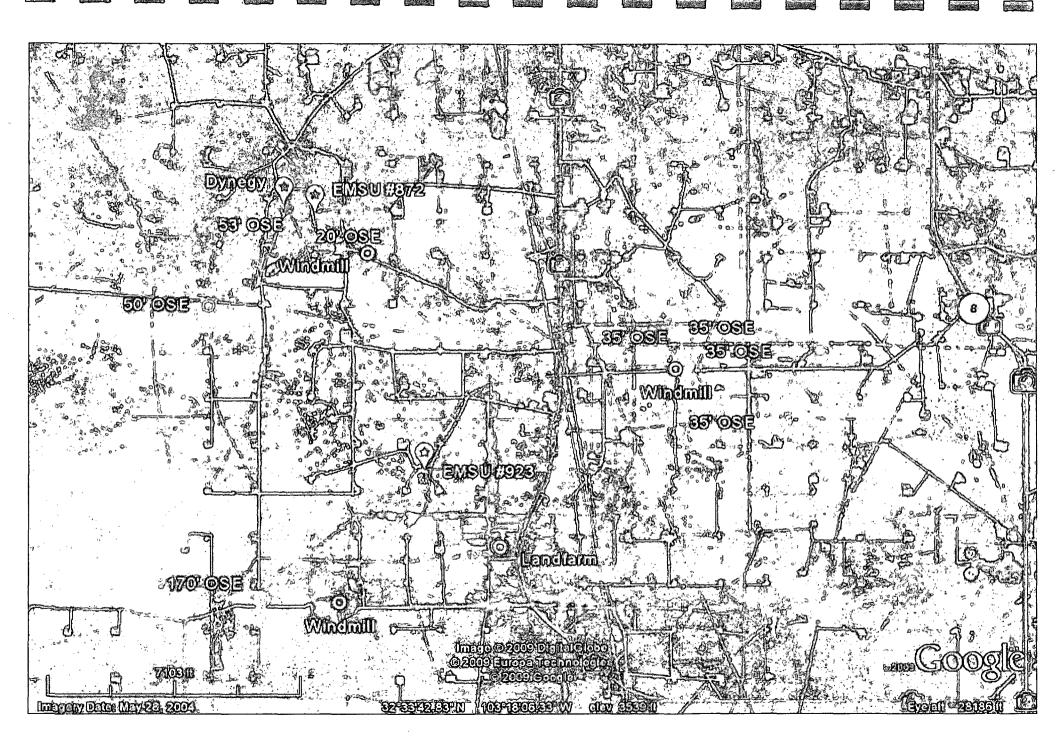
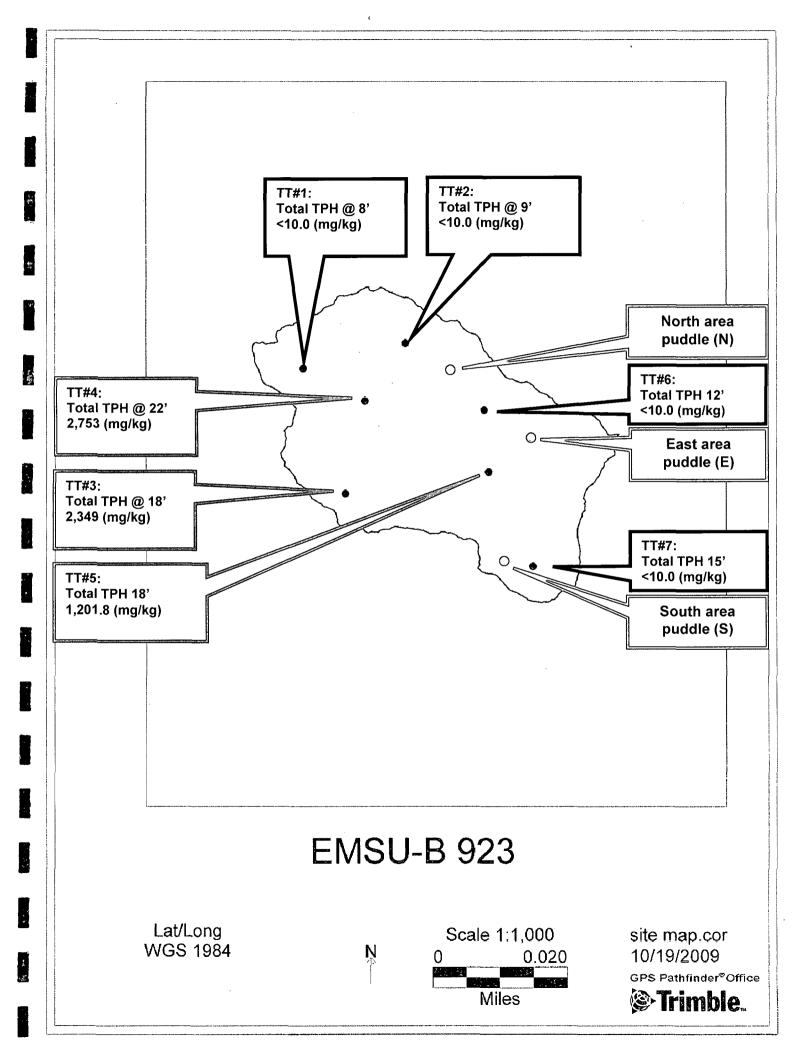
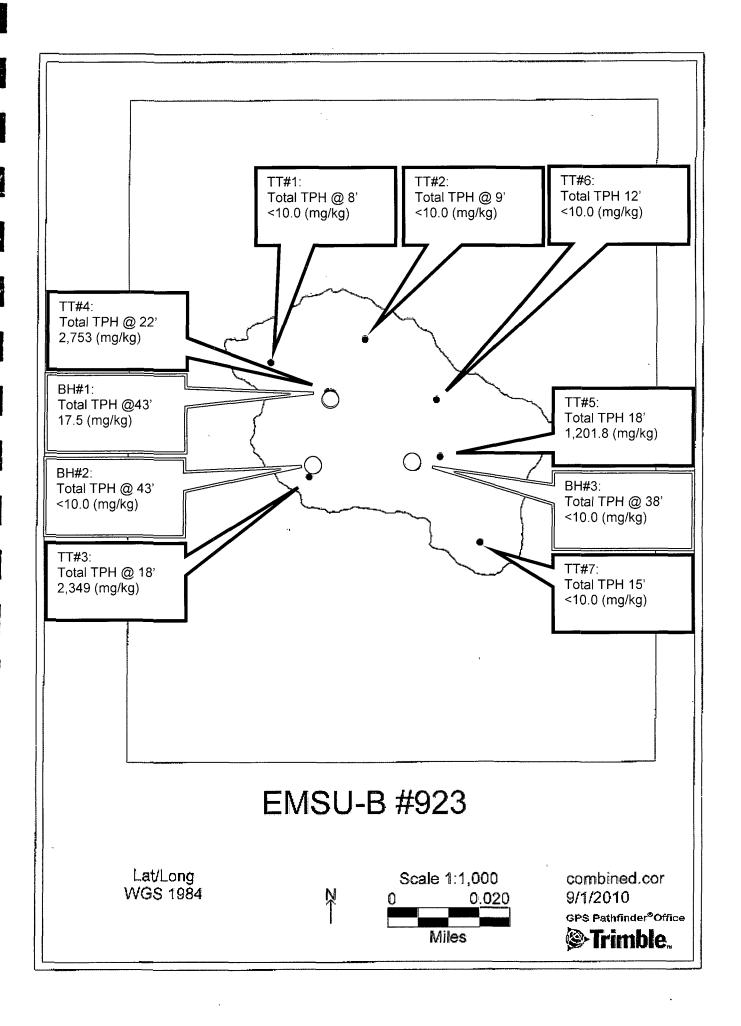
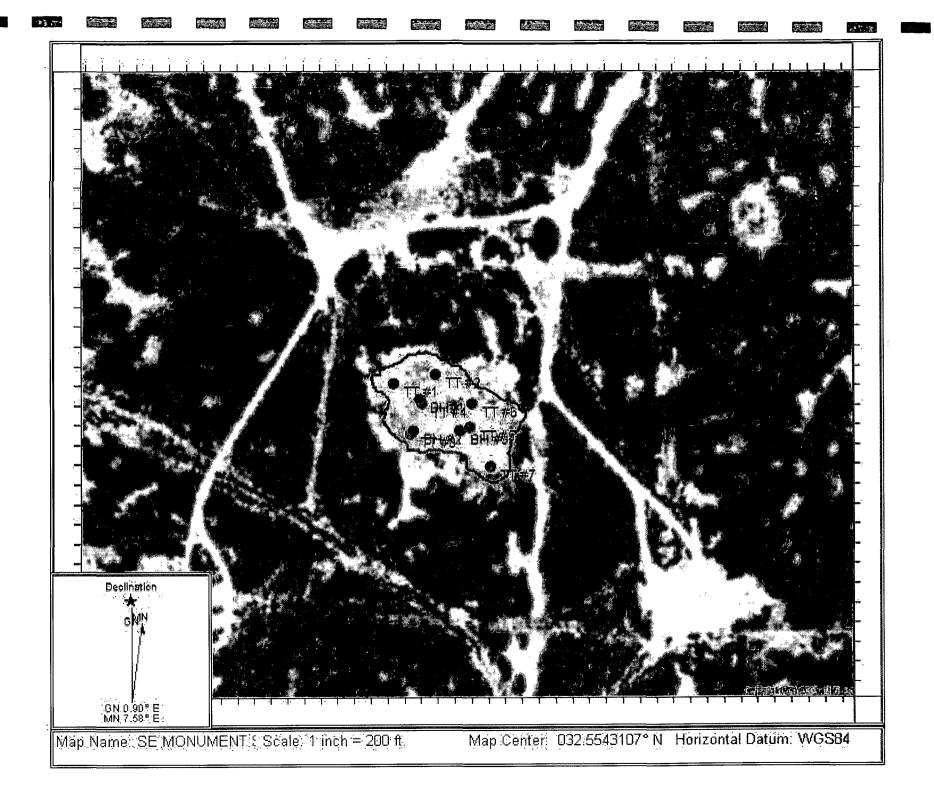


Figure 2 Site Plan







Appendix A Analytical Results



October 13, 2009

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

Re: XTO Energy (XTO-09-004)

Enclosed are the results of analyses for sample number H18446, received by the laboratory on 10/08/09 at 3:50 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: 4 (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: 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)

garage many				C10737-5-000-00-00-00-00-00-00-00-00-00-00-00-		
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

PLEASE NOTE: Liability and Damages. 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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



ARDINAL LABORATORIES

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

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Company Name: (373) 333-2476	BILL TO	ANALYSIS REQUEST
Project Manager: Rob Allen	P.O. #:	
Address: 703 E Clinton	Company:	
City: 140/b/5 State:// Zip: 188240	Attn:	
Phone #: 575-398-0510 Fax #:	Address: Syme	
Project #: X70-05-004 Project Owner: X70	City:	
Project Name: X70 EMSU-B ₁ S2 3	State: Zip:	
Project Location: Monument, nm	Phone #:	$ \mathcal{A} $
Sampler Name: Zsage Kincaid	Fax #:	
FOR CABUSE ONLY Lab I.D. Sample I.D. 1 77 4 7 8	0820 0820 0823 0838 0700 0826 0833 0920	
10 7765 18	0930	
PLEASE NOTE: Liability and Dâmages, Cardinal's liability and chent's exclusive remedy for any claim erising whether based in contre analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing service. In no event shall Cardinal be liable for incidental or consequental damages, including whithout limitation, business interruption affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim Sampler Relinquished: Date: Time:	and received by Cordinal within 30 days after completion of is, loss of use, or loss of profits incurred by client, its subsidi	the applicable aries, vise. esult: □ No 'Add'! Phone #: ult: □ No Add'! Fax #:
Relinquished By: Date: Received By: Time: Delivered By: (Circle One) Sample Cond Cool) Intact Cool) Intact Cool Intact Coo	CHECKED BY: IKING (Initials) (So Control of the co	ice 2 @ SEST-nm-com

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

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

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ompany Name: SESE .		BILL TO		ANALYSIS REQUEST	
Project Manager: Bb HICA		P.O. #:			
ddress: 70 \$ E Clinton		Company:			
ity: Hobbs State: NM Zip: 8824	: 88240	Attn:			
thone #: 575-357-0510 Fax #:		Address: Sam			
Project Owner:	K TO	City:	and the state of t	,	
roject Name: Emsu-923		State: Zip:			
roject Location: Monumed, IM		Phone #:			
Sampler Name: ISMC KnC470		Fax #:	51		
	MATRIX	PRESERV, SAMPLING	-		
Lab I.D. Sample I.D.	CONTRINERS #STAWDINDWS #STAWSTER	: язнтс	X2[5]		
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PLEASE NOTE: Liability and Damagea. Cardinal's lability 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 increased by Cardinal lability and are and any other cause whatboavers shall be dearned warved unless made in writing and received by Cardinal within 30 days after competent of the applicable arising and the competent of the applicable arising and the competent of the applicable arising and to for related to one general damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, is subsidiaries. An administration of for related to the parformance of services herequider by Cardinal, regardless excit clients abbed upon any of the above stated reasons or otherwise.

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	10/8/01	Fax Result:		S N	Add'l Fax #;	
J. W. C.	Time	REMARKS:				
1 Comments	220	1				
Reinduished (By:	Date: Received By:					
	Time:					
	プシングシ					
Delivered By: (Circle One)	Temp. Sample Condition CHECKED BY:					
	Cool Intact (Initials)					
Sampler - UPS - Bus - Other:	7					

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



December 14, 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 H18845, received by the laboratory on 12/09/09 at 4:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes 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.

New

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

Sincerely,

Celey D/Keene

Laboratory Director



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 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
······································		
Quality Cont	trol	500
True Value	JC .	500
% Recovery	/	100
Relative Per	rcent Difference	< 0.1

METHOD: Standard Methods 4500-CI'B

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

Chemist

12/14/09 Date



(575) 393-2326 Fax (575) 393-2476		Pageof
	BILL TO	ANALYSIS REQUEST
Project Manager: 36 Allen	P.O. #:	
Address: 703 E Vication	Company:	
City: 140/5/5 State: 11 Zip: 88240	Attn:	
Phone #: 575-367.0510 Fax #:	Address:	
Project #: y 70 - 09 - 004 Project Owner:	City:	
Project #: y 70-09-004 Project Owner: Project Name: En Su #925	State: Zip:	
Project Location: Monument, and Sampler Name: TSGGC Fixe, S	Phone #:	
Sampler Name: Isaac Kiraid	Fax #:	
FOR THE PROPERTY OF THE PROPER	PRESERV. SAMPLING OTHER: OTH	State of the state
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contra analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing a service. In no event shall be deemed wheel unless made in writing a service, in no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims. Time: Date:	and received by Cardinal within 30 days after completion of the street o	e applicable ies, ies. sult: □ No Add'i Phone #: tt: □ No Add'i Fax #:

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



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. Keene 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 (C₆-C₁₀) (>C₁₀-C₂₈)

LAB NUMBER SAMPLE ID

(mg/kg) (mg/kg)

ANALYSIS DA	NTE:	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 Contro	ol	551	567
True Value Q0	3	500	500
% Recovery		110	113
Relative Perce	ent Difference	<0.1	2.8

METHOD: SW-846 8015 M. Reported on wet weight. Not accredited

through NELAP for GRO/DRO.

Lab Director

12/22/09 Date

PLEASE NOTE: Liability and Damages. 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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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/

nhul09



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

		CI
LAB NO.	SAMPLE ID	(mg/kg)
H18912-4	TT #4 22' BGS	< 16
Quality Cont	rol	500
True Value (2C	500
% Recovery		100
Relative Per	cent Difference	< 0.1

METHOD: Standard Methods 4500-CI'B

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

Not accredited for Chloride.

Chemist

Date

H18912 SESI



(575) 393-2326 Fax (575) 393-2476		Page of
Company Name: らどら	BILL TO	ANALYSIS REQUEST
Project Manager: 1806 Allen	P.O. #:	
Address: 703 E Climan	Company:	
City: 14065 State: NM Zip: 48240	Attn:	
Phone #: 575-361-0510 Fax #: .	Address:	
Project #: X70-09-004 Project Owner: XTO	City:	
Project Name: EMSU ±923	State: Zip:	1, 8
Project Location: Munumorit, pm	Phone #:	
Sampler Name: I Serie Kincaid	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING	
CS)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SCUDGE OTHER: ACIDIABASE: ICE / COOL OTHER: AMIL	100 Sept. 100 Se
H18912-1 77 4 4 16 1865 51 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 12/18/9 0855	
-47744 72125 GI	J 0515	
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contranally claims including those for neptigence and any other cause whatsoever shall be deemed waived unless made in writing service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitiation/ business interruption in the contract of th	and received by Cardinal within 30 days after completion of his, loss of use, or loss of profils incurred by client, its subsidi	f the applicable states.
Sampler Relinquished: Date: 1/49 Received By:	Phone R Fax Resi REMARK	
Relinquished W: Date: Received By:	Emc	il results to office Z@SESI-NM. Com
Time:		
Delivered By: (Circle One) Temp. Sample Cond.		
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

Herm # 26



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

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

DRO GRO

ETHYL TOTAL

LAB NO. SAMPLE ID $(C_6 - C_{10})$ (>C₁₀-C₂₈) BENZENE TOLUENE BENZENE XYLENES

CI* (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10
<10.0	173	/ <0.050	<0.050	<0.050	<0.300	16
67.2	1,100	<0.050	<0.050	0.075	0.460	32
87.5	1,560	<0.050	<0.050	0.119	0.706	< 16
64.3	463	<0.050	<0.050	0.166	1.20	< 16
<10.0	254	<0.050	<0.050	<0.050	<0.300	32
491	476	0.020	0.023	0.022	0.064	500
						500
		100	115	110	107	100
1.7	1.8	7.0	2.0	2.0	3.1	<0.1
	<10.0 67.2 87.5 64.3 <10.0 491 500 98.2	<10.0 173 67.2 1,100 87.5 1,560 64.3 463 <10.0 254 491 476 500 500 98.2 95.2	<10.0	<10.0	<10.0	<10.0

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

ARDINAL LABORATORIES, INC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

11 Beechwood, Abilene, TX 79603 101 East Mariand, Hobbs, NM 8824

Page L of

(815) 073-7001 Fax (815) 073-7020 (505)	393-2320 PAX (303) 393-2470	
Company Name: SEST		ANALYSIS REQUEST
Project Manager: Rob Milem	[BIII. 170] PO#:	
Address: 703 E. CLINTON, #103	Company: SAME	
City: FIOBBS State: NM Zip: 88240	Altin: BRande	
Phone #: (505) 397-0510	Address:	
Fax#: (505) 393-4388	City:	
Project #: XTO -07-00AProject Owner:	State: ZIp:	
Project Name: EMSUR #923	Pliona #:	7
Project Location: Mon com ent	Fax #:	
LAB I.D. Sample I.D. Sample I.D. H19357 - 1 TT-1, Soil Flet Sking G T X III III III III X III III III III X III III III III X III III III III III X III X III IIII	PRES. SAMPLINO	XXXX ZAM CREATER ON SAME SAME SAME SAME SAME SAME SAME SAME
PLEASE HOTE: Liability and Damagos. Cardinate stability and dent's exclusive raised, for any dalamentaling whether be analyses. At dalame including those for need gence and any other cause what to ever that be deemed walved uplate much earliers. In no every that Cardinal be Table for incidental or consequental damages, including without intilation, business of militates or successors withing out of or related to the performance of services hereover by Cardinal, regardes a whatil	in whithing and received by Cercinal willin 20 days effer con Aerry Lione, lose of use, or lose of profits incurred by clark er such claim is besed upon eny of the above stated reaso	plation of the applicable 30 days past due at the rate of 21% per annum from the original date of knobs, the subsidiaries, and at costs of colections, including attorney's less.
Sampler Relinguished: Data: Received By: Time: - Data: Received By:	Fax Resul	: □ Yes XNo
Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: Received By: (Received By: (Sample Condition of Cool Intact Co	s PHF	cilaesutetoSESI boyer@SESI-NM.com ficeJ@SESI-NM.com
† Cardinal cannot accept verbal changes. Pleath tax y then chan	jes to 915-873-7020.	



August 25, 2010

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: XTO-09-004

Enclosed are the results of analyses for samples received by the laboratory on 08/18/10 16:12.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name:

XTO-09-004 EMSU-B 923

Project Number: Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #1 18' (H020668-01)

BTEX	8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.41	0.100	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	8.66	0.100	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	3.87	0.100	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	16.0	0.300	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

100 %

80-120

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/19/2010	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: AB					S-06, QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	642	50.0	08/19/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	2260	50.0	08/19/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

22.6 %

70-130

Surrogate: 1-Chlorooctadecane

20.2 %

70-130

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within 11th (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subcidaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Jaboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010 XTO-09-004

Project Name: Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #1 23' (H020668-02)

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.09	0.100	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	10.8	0.100	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	5.01	0.100	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	21.5	0.300	08/19/2010	ND	3.11	104	3.00	2.51	
Surrogate: 4-Bromofluorobenzene (PIL	106	% 80-120)						

TPH 8015M	mg,	/kg	Analyze	d By: AB					S-06, QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1500	50.0	08/19/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	4500	50.0	08/19/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane 24.6 % 70-130
Surrogate: 1-Chlorooctadecane 18.5 % 70-130

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. 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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240 Fax To: (575)

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

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

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #1 28' (H020668-03)

BTEX 8021B	mg	/kg	Analyzed By: ZL						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.09	0.100	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	17.7	0.100	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	7.92	0.100	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	34.5	0.300	08/19/2010	ND	3.11	104	3.00	2.51	
Surrogate: 4-Bromofluorobenzene (PIL	100	% 80-120)						
TPH 8015M	ma	/ka	Analyze	d Rv· AR					S-06. OM-07

TPH 8015M	mg,	/kg	Analyze	d By: AB					S-06, QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1810	50.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	5020	50.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane	25.1 %	70-130
Surrogate: 1-Chlorooctadecane	20.1 %	70-130

Cardinal Laboratories *=Accredited Analyte

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Safety & Environmental Solutions

Bob Allen 703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported: Project Name: 08/25/2010

Project Number:

XTO-09-004 EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: BH #1 33' (H020668-04)

BTEX	8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.396	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	8.04	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	2.41	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	17.9	0.150	08/19/2010	ND	3,11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

106%

80-120

TPH 8015M	mg/kg		Analyzed By: AB						S-06, QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1880	50.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	5030	50.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

24.3 %

70-130

Surrogate: 1-Chlorooctadecane

19.2 %

70-130

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Fax To:

(575) 393-4388

Received:

08/18/2010

Reported: Project Name:

08/25/2010 XTO-09-004

Project Number: Project Location: **EMSU-B 923**

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #1 38' (H020668-05)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2010	ND	1.04	104	1.00	4.38	
Toluene*	<0.050	0.050	08/20/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	<0.050	0.050	08/20/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	<0.150	0.150	08/20/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

110%

80-120

TPH 8015M	mg/kg		Analyzed By: AB					QM-07	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	42.3	10.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

93.5 %

70-130

Surrogate: 1-Chlorooctadecane

90.6 %

70-130

*=Accredited Analyte Cardinal Laboratories

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08/18/2010

Reported: Project Name: 08/25/2010 XTO-09-004

Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

89.3 %

70-130

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #1 43' (H020668-06)

BTEX 8021B	mg/	'kg	Analyze	d By: ZL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.143	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	<0.050	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	0.347	0.150	08/19/2010	ND	3.11	104	3.00	2.51	
Surrogate: 4-Bromofluorobenzene (PIL	113 9	% 80-120							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	240	16.0	08/19/2010	ND	448	112	400	3.64	
Chloride	368	16.0	00/13/2010			111			
Chloride TPH 8015M	368 mg/		Analyze						QM-07
					BS	% Recovery	True Value QC	RPD	QM-07 Qualifier
TPH 8015M	mg/	/kg	Analyze	d By: AB					

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Surrogate: 1-Chlorooctadecane

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Fax To:

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Received:

08/18/2010

Reported:

08/25/2010

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

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #2 13' (H020668-07)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.314	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.107	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	0.754	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

115%

80-120

TPH 8015M	mg	mg/kg		Analyzed By: AB					QM-07	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	14.3	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	414	10.0	08/20/2010	ND	166	83.2	200	1.59		

Surrogate: 1-Chlorooctane

93.1 %

70-130

Surrogate: 1-Chlorooctadecane

106 %

70-130

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Hobbs NM, 88240

Fax To: (575) 393-4388

Received:

08/18/2010

Reported: Project Name: 08/25/2010 XTO-09-004

Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #2 18' (H020668-08)

BTEX 8021B	mg,	mg/kg		Analyzed By: ZL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.204	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.081	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	0.613	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL	111	% 80-120)						
TPH 8015M	mg	/kg	Analyze	d By: AB					QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	32.9	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	490	10.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane	95.4 %	70-130
Surrogate: 1-Chlorooctadecane	97.8 %	70-130

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Received:

08/18/2010

Reported:

08/25/2010

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

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: BH #2 23' (H020668-09)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.706	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.277	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	1.77	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

115 %

80-120

TPH 8015M	mg	/kg	Analyzed By: AB					QM-07		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	110	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	921	10.0	08/20/2010	ND	166	83.2	200	1.59		

Surrogate: 1-Chlorooctane

108 %

70-130

Surrogate: 1-Chlorooctadecane

109 %

70-130

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Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

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

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #2 28' (H020668-10)

BTEX 8021B

ma/ka

Analyzed By: ZL

				· · · · · · · · · · · · · · · · · · ·					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	1.66	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.592	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	3.63	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

116%

80-120

TPH 8015M	mg	mg/kg		Analyzed By: AB					QM-07	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	71.4	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	403	10.0	08/20/2010	ND	166	83.2	200	1.59		

Surrogate: 1-Chlorooctane

94.9 %

70-130

Surrogate: 1-Chlorooctadecane

99.1 %

70-130

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Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

LIODO2 IA

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name:

XTO-09-004

Project Number: Project Location:

EMSU-B 923

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #2 33' (H020668-11)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.319	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.125	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	0.853	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL 100 % 80-120

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RI	
	Qualifier
GRO C6-C10 <10.0 10.0 08/20/2010 ND 161 80.7 200 0.7	.0
DRO >C10-C28 52.6 10.0 08/20/2010 ND 166 83.2 200 1.	9

Surrogate: 1-Chlorooctane 91.4% 70-130
Surrogate: 1-Chlorooctadecane 87.6% 70-130

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(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name: Project Number:

XTO-09-004 EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

3.11

104

Soil

3.00

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

2.51

Sample ID: BH #2 38' (H020668-12)

e V	BTEX 8021B	mg,	/kg	Analyze	d By: ZL					
_	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
	Toluene*	0.085	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
•	Ethylbenzene*	<0.050	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	

ND

08/19/2010

Surrogate: 4-Bromofluorobenzene (PIL

Surrogate: 1-Chlorooctadecane

Total Xylenes*

107 %

90.9 %

0.229

80-120

70-130

0.150

TPH 8015M	mg/kg		Analyzed By: AB					QM-07		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	<10.0	10.0	08/20/2010	ND	166	83.2	200	1.59		
Surrogate: 1-Chlorooctane	96.2	% 70-130)							

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Celey D. Treene



Safety & Environmental Solutions

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Fax To:

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Received:

08/18/2010

Reported:

08/25/2010

Project Name:

XTO-09-004 **EMSU-B** 923

Project Number: Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #2 43' (H020668-13)

BTEX	8021B	

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	<0.050	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	<0.050	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	<0.150	0.150	08/19/2010	ND	3.11	104	3.00	2.51	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 80-120							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2010	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: AB				•	QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	<10.0	10.0	08/20/2010	ND	166	83.2	200	1.59	
Surrogate: 1-Chlorooctane	92.7	% 70-130				<u></u>			
Surrogate: 1-Chlorooctadecane	88.1	% 70-130	ı						•

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Safety & Environmental Solutions Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received:

08/18/2010

Reported: Project Name:

08/25/2010 XTO-09-004

Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 13' (H020668-14)

BTEX 8021B

mg/kg

Analyzed By: ZL

	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS .	% Recovery	True Value QC	RPD	Qualifier
Benzene*		< 0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*		0.158	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenze	ne*	<0.050	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xyle	enes*	0.557	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorohenzene (PH

118 %

80-120

TPH 8015M	mg	/kg	Analyze	d By: AB					QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	62.7	10.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

91.4%

70-130

Surrogate: 1-Chlorooctadecane

91.1%

70-130

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by clerk, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported: Project Name:

08/25/2010 XTO-09-004

Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 18' (H020668-15)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.477	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.254	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	1.21	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Rromofluorohenzene (PII

1120%

80-120

TPH 8015M	mg/			d By: AB					QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23.2	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	443	10.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

95.4%

70-130

Surrogate: I-Chlorooctadecane

99.4%

70-130

Cardinal Laboratories *=Accredited Analyte

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Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To: (575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name: Project Number: XTO-09-004

Project Location:

EMSU-B 923

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 23' (H020668-16)

Surrogate: 4-Bromofluorobenzene (PIL

RTFY	8021B	

mg/kg

90.9 %

80-120

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.403	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.206	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	1.34	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

TPH 8015M	mg	/kg	Analyzed By: AB					QM-07		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	79.3	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	958	10.0	08/20/2010	ND	166	83.2	200	1.59		

Surrogate: 1-Chlorooctane	101 %	70-130
Surrogate: 1-Chlorooctadecane	107 %	70-130

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Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name:

XTO-09-004

Project Number: Project Location:

EMSU-B 923

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 28' (H020668-17)

BTEX 8021B

mg/kg

Analyzed By: ZL

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/19/2010	ND	1.04	104	1.00	4.38	
Toluene*	<0.050	0.050	08/19/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	0.195	0.050	08/19/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	1.57	0.150	08/19/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL

112 %

80-120

TPH 8015M	mg	/kg	Analyzed By: AB						QM-07	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710		
DRO >C10-C28	111	10.0	08/20/2010	ND	166	83.2	200	1.59		

Surrogate: 1-Chlorooctane

84.4 %

70-130

Surrogate: 1-Chlorooctadecane

88.3 %

70-130

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Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010

Project Name:

XTO-09-004

Project Number:

EMSU-B 923

Project Location:

MONUMENT, NM

Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 33' (H020668-18)

BTEX 8021B	TEX 8021B mg/kg		Analyzed By: ZL						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2010	ND	1.04	104	1.00	4.38	
Toluene*	<0.050	0.050	08/20/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	<0.050	0.050	08/20/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	< 0.150	0.150	08/20/2010	ND	3.11	104	3.00	2.51	

Surrogate: 4-Bromofluorobenzene (PIL 91.

91.2 %

80-120

TPH 8015M	mg/kg		Analyzed By: AB						QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	<10.0	10.0	08/20/2010	ND	166	83.2	200	1.59	

Surrogate: 1-Chlorooctane

89.3 %

70-130

Surrogate: 1-Chlorooctadecane

85.1%

70-130

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Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

08/18/2010

Reported:

08/25/2010 VTO 00 004

Project Name:

XTO-09-004

Project Number: Project Location:

EMSU-B 923 MONUMENT, NM Sampling Date:

08/18/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BH #3 38' (H020668-19)

BTEX 8021B	mg,	/kg	Analyze	d By: ZL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2010	ND	1.04	104	1.00	4.38	
Toluene*	0.066	0.050	08/20/2010	ND	0.979	97.9	1.00	4.38	
Ethylbenzene*	<0.050	0.050	08/20/2010	ND	0.965	96.5	1.00	2.46	
Total Xylenes*	0.258	0.150	08/20/2010	ND	3.11	104	3.00	2.51	
Surrogate: 4-Bromofluorobenzene (PIL	98.4	% 80-120							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/19/2010	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: AB		···			QM-07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2010	ND	161	80.7	200	0.710	
DRO >C10-C28	<10.0	10.0	08/20/2010	ND	166	83.2	200	1.59	
Surrogate: 1-Chlorooctane	90.2	% 70-130							
Surrogate: 1-Chlorooctadecane	87.3	% 70-130							

Cardinal Laboratories

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

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

Page of Z

(915) 0.73-7001 Fax (915) 073-7020 (305)	393-2320 FAX (305) 393-2476	· "V "
Company Name: SEST	Linnanna anna anna anna anna anna anna a	ANALYSIS REQUEST
Project Manager:	<i>IJII_aI_aTQ</i> PO#:	
Address: 703 E. CLINTON, #103	Company: SAME	
City: HOBBS State: NM Zip: 88240	Aftn:	
Phona #: (505) 397-0510	Address:	
Fax#: (505) 393-4388	city:	
Project #XTO -DG-OO-Project Owner: XTO	State: Zip:	
Project Name: EMSU-B9Z3	Phone #:	
Project Location: Mount av	Fax #:	
LAB I.D. Sample I.D. MATRIX MAT	PRES. SAMPLING 1	X Tru 8c 15 X RTEX X CL
	1053	
8 BH+2. 231	1 1 104	
10 18442.28 ((()))	31118	
FLEAST HOTK: Untitly and Damages. Cardinal's Lability and distril's exclusive remedy for any claim strainty whether be analyses. At dialons including locks for neckenars and any other cause what cover that be deemed withful united made services. In one word shall Cardinal be label for hadderful or consequenced demages, including without Intelligent, business efficiency successors unlarge of or created to the periodinance of services hereunder by Cardinal, regarders of whell	i in willing and received by Cardinal Willia 30 days efter and Internations, loss of use, or loss of profits incorred by clerk her such claim is based upon any of lite above stated reaso	updallog of the applicable 30 days paid due at the rate of 24% per annum from the original late of timeses, , , , , , , , , , , , , , , , , ,
Sampler Relinquished: Data: Received By:	Phone Res	sult 🗓 Yes 📋 No. Additional Fax #; t; 📋 Yes 📋 No
Time;	REMARKS	<u>:</u>
Received By:	Jewon	
Delivered By: (Circle One) (Sample Condi-	1 6.6.6 1	
Sampler - UPS - Bus - Other: 0.56 No No No	10 1	

ARDINAL LABORATORIES, INC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603. 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 2 of 2

Company Name: SEST		ANALYSIS REQUEST .
Project Manager:	<i>341,4.10</i> PO#:	
Address: 703 E. CLINION, #103	Company: SAME	
City: HOBBS State: NM Zip: 88240	Alln:	
Phone #: (505) 397-0510	Address:	
Fax#: (505) 393-4388	C)(y:	
Project #: XTC - 09-004 Project Owner: XTO	State: Zip:	
Project Name: EMSU-B923	Phone #:	
Project Location: Wow went pu	Fax #:	
LAB I.D. Sample I.D. MATRI H20668-II BH#2. 33' GY CONTANTERS I2 BH#2. 36' CONTANTERS CONTANTERS I3 BH#3. 18' CONTANTERS CONTANTERS I4 BH#3. 28' CONTANTERS CONTANTERS CONTANTERS I5 BH#3. 28' CONTANTERS CONTANTERS I6 BH#3. 38' CONTANTERS CONTANTERS I7 BH#3. 38' CONTANTERS CONTANTERS I8 BH#3. 38' CONTANTERS CONTANTERS I9 BH#3. 38' CONTANTERS CONTANTERS IN BH#3. 38' CONTANTERS	PRES. SAMPLING SAM	X TEH &OI
PLEASE HOTE: Listiffy and Commons. Cardinate listiffy and clark's exclusive rainedy for any olding atteing which analysis. At claims Including those for neighboring and any other cause whateover shall be deemed watered under a various. In one every shall be deemed watered under the analysis democratical indication and the fatte for incidental or occurrence democratic incident without findfullon, trust emitted or processors entaing out of or related to the performance of sendors increased by Chichael, repartders of	meda in willing and received by Carcinal Willin 20 days eiter co nase Irlannyjicos, lose of use, or lose of profile incurred by cton whether such claim is based upon any of the above stated reaso	rpidlen of the applicable 30 days past due at the rate of 21% per annum from the original date of trivides, the stocked of colections, including attempts fees. As or otherates.
Sampler Rellinguished: Date: Received B	Fax Resul	
14.12 Jai	v: (LabiStaff) DUMON	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Output Sample Cool Int Output Divisit	act attribles)	
† Cardinal cannot accept verbal changes. Please lax written ថ្	11 :	Page 23 of a



October 07, 2010

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: XTO-09-004

Enclosed are the results of analyses for samples received by the laboratory on 09/28/10 16:05.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager



Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

09/28/2010

Reported:

10/07/2010

Project Name:

XTO-09-004 EMSU #923

Project Number: Project Location:

MONUMENT, NM

Sampling Date:

09/28/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BOTTOM 23' BGS (H020939-01)

TPH 8015M	mg/kg		Analyzed By: AB					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1430	50.0	10/07/2010	ND	164	82.0	200	3.84	
DRO >C10-C28	4870	50.0	10/07/2010	ND	185	92.7	200	3.35	
Total TPH C6-C28	6300	50.0	10/07/2010	ND	349	87.4	400	0.0398	
Surrogate: 1-Chloroctane	213	% 70-130	າ						

24.3 %

Surrogate: 1-Chlorooctadecane

20.2 %

70-130

Sample ID: SIDE WALL 11' BGS (H020939-02)

TPH 8015M	mg/kg		Analyze	Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	395	10.0	10/07/2010	ND	164	82.0	200	3.84	
DRO >C10-C28	1790	10.0	10/07/2010	ND	185	92.7	200	3.35	
Total TPH C6-C28	2190	10.0	10/07/2010	ND	349	87.4	400	0.0398	
Surrogate: 1-Chlorooctane	101 %	70-130)	***					
Surrogate: 1-Chlorooctadecane	95.1%	6 70-130)						

Cardinal Laboratories

*=Accredited Analyte

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Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

09/28/2010

Reported: Project Name: 10/07/2010 XTO-09-004

Project Number:

EMSU #923

Project Location:

MONUMENT, NM

Sampling Date:

te: 09/28/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SIDE WALL 23' BGS (H020939-03)

TPH 8015M	mg/kg		Analyzed By: AB					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	970	50.0	10/07/2010	ND	164	82.0	200	3.84	
DRO >C10-C28	3840	50.0	10/07/2010	ND	185	92.7	200	3.35	
Total TPH C6-C28	4810	50.0	10/07/2010	ND	349	87.4	400	0.0398	
Surrogate: 1-Chlorooctane	24.3 %	6 70-130	1						***
Surrogate: 1-Chlorooctadecane	21.9 %	6 70-130	•						

Cardinal Laboratories *=Accredited Analyte

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Notes and Definitions

S-06
The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

PLEASE NOTE: Liability and Damages, Cardinal's lability and clernt's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Clernt in Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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ARDINAL LABORATORIES	101 East Marland, Hobbs, NM 88240

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(575) 393-2326 Fax (575) 393-2476		Pageof
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(g)	P.O. #:	
35: 703 5 Clinton	Company:	
Hobbs State AM Zip: 88240	Attn: Sam 2-	
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SECULO Company: ##: Address:	Project Manager: 328 Illen	P.O. #:	
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Project Owner: C & C & C & C & C & C & C & C & C & C	ate:11 Zip: 88240	Attn: Sum 2	
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Phone # The control of the control	223		
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	ПО (С) ВО ВАЯ(Э) О (С) ОМР (С	ACID/BASE: ACI	

PLEASE NOTE: Janvilly and Dannages. Cardinar's flability and client's erclusive remety for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the annual analyses. All chains brokumy those for regilgence and any other couse whatesaver shall be deemed waked unless made in willing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Corclinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. idnal, regardless of whether such claim is based upon any of the above stated $Received\,By$: authates or successors arising out of or related to the Sampler Relinquished:

No Add Phone #: No Add Fax #: Phone Result: Fax Result: REMARKS: Cool Intaci Received By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Selling the By

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

Z



November 01, 2010

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: XTO-09-004

Enclosed are the results of analyses for samples received by the laboratory on 09/28/10 16:05.

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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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,

Celey D. Keene

Lab Director/Quality Manager



Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

09/28/2010

Reported:

11/01/2010

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

Project Location:

MONUMENT, NM

Sampling Date:

09/28/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BOTTOM 23' BGS (H020939-01)

BTEX 8021B	mg/	kg	Analyze	d By: cms			· · · · · · · · · · · · · · · · · · ·		S-LOW
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/30/2010	ND	1.74	87.2	2.00		
Toluene*	4.13	0.500	09/30/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	2.07	0.500	09/30/2010	ND	2.05	102	2.00		
Total Xylenes*	14.3	1.50	09/30/2010	ND	6.20	103	6.00		
Surrogate: 4-Bromofluorobenzene (PIL	78.5	% 80-120)						

TPH 8015M	mg/kg		Analyzed By: AB					S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1430	50.0	10/07/2010	ND	164	82.0	200	3.84		
DRO >C10-C28	4870	50.0	10/07/2010	ND	185	92.7	200	3.35		
Total TPH C6-C28	6300	50.0	10/07/2010							

Surrogate: 1-Chlorooctane24.3 %70-130Surrogate: 1-Chlorooctadecane20.2 %70-130

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Safety & Environmental Solutions Bob Allen 703 East Clinton

Hobbs NM, 88240 Fax To:

(575) 393-4388

Received:

09/28/2010

Reported:

11/01/2010

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

Project Location:

Sampling Date:

09/28/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

MONUMENT, NM

Sample ID: SIDE WALL 11' BGS (H020939-02)

BT	ΈX	802	21	В	

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Analyzed By: cms

	9	9		/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.031	0.025	10/04/2010	ND	1.74	87.2	2.00		
Toluene*	1.20	0.025	10/04/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	0.865	0.025	10/04/2010	ND	2.05	102	2.00		
Total Xylenes*	4.52	0.075	10/04/2010	ND	6.20	103	6.00		
Surrogate: 4-Bromofluorobenzene	(PIL 105	% 80-120)						

TPH 8015M	mg,	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	395	10.0	10/07/2010	ND	164	82.0	200	3.84	
DRO >C10-C28	1790	10.0	10/07/2010	ND	185	92.7	200	3.35	
Total TPH C6-C28	2190	10.0	10/07/2010						

101%

70-130

Surrogate: 1-Chlorooctadecane

95.1%

70-130

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton

Hobbs NM, 88240

Fax To:

(575) 393-4388

Received:

09/28/2010

Reported:

11/01/2010 XTO-09-004

Project Name: Project Number:

EMSU #923

Project Location:

MONUMENT, NM

Sampling Date:

09/28/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SIDE WALL 23' BGS (H020939-03)

BTEX 8021B	mg	/kg	Analyze	d By: cms					S-LOW
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.487	0.025	10/04/2010	ND	1.74	87.2	2.00		
Toluene*	4.46	0.025	10/04/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	2.21	0.025	10/04/2010	ND	2.05	102	2.00		
Total Xylenes*	12.0	0.075	10/04/2010	ND	6.20	103	6.00		

Surrogate: 4-Bromofluorobenzene (PIL	15.3	% 80-120							
TPH 8015M	mg,	/kg	Analyze	d By: AB					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	970	50.0	10/07/2010	ND	164	82.0	200	3.84	
DRO >C10-C28	3840	50.0	10/07/2010	ND	185	92.7	200	3.35	
Total TPH C6-C28	4810	50.0	10/07/2010						
	-1010	55.0	10,07,2010						

Surrogate: 1-Chlorooctane 24.3 % 70-130 Surrogate: 1-Chlorooctadecane 21.9% 70-130

Cardinal Laboratories *=Accredited Analyte

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Notes and Definitions

Z-01	Surrogate outside historical limits.
S-LOW	Low surrogate recovery confirmed as a matrix effect by a second analysis.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
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

PLEASE NOTE: Liability and Damages. 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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subcladraies, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laborationss.

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

(5/5) 393-2320 Pax (5/5) 393-24/6	BILL TO	ANALYOIO DEOUEOT
Company Name: 5050		ANALYSIS REQUEST
Project Manager: Bob Allen	P.O. #:	
Address: 703 & Clinton	Company:	
City: Hobbs State 1M Zip: 88240	Attn: Same	
Phone #: 575 3570570 Fax #:	Address:	
Project #: XTO-09-004 Project Owner: XTO Engly	City:	
Project Name: EMSU 4523	State: Zip:	
Project Location: Menument, nm	Phone #:	
Sampler Name: That Finail	Fax #:	
H20939-1 Botton 23'675 6 1 2 2 State wall 11'695 C1 2 3 State wall 23'655 C1	PRESERV. SAMPLING OTHER: ACID/BASE: ACI	
PLEASE NOTE: Unitity and Damages. Cardinats liability and clients exclusive remedy for any claim arising whether based in confinance and contained in the property of the prop	g and received by Cardinal within 30 days after completion of ons, loss of use, or loss of profits incurred by client, its subsidi	the applicable
Delivered By: (Circle One) Typic Tento: Sample Con	LUU BULL HIGHTON CHECKBD, BY:	Ekinegide Sex-Ameon
Sampler - UPS - Bus - Other: Cool Integration Cool Integration Cool Integration No Integration Cool Integration No Integration Cool Integration No Integration Cool Integration No Integration Cool Int	ct (Mitials)	

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

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Appendix B Site Photographs XTO EMSU-B #923 Site Photographs: October 8, 2009

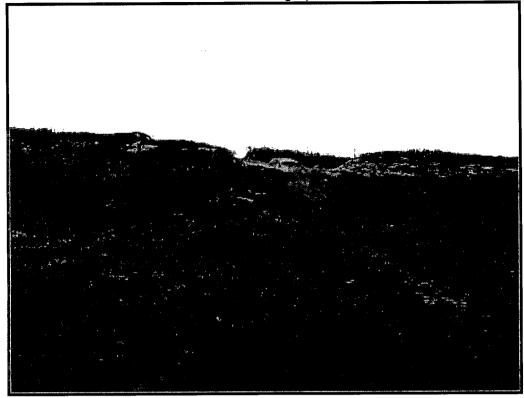
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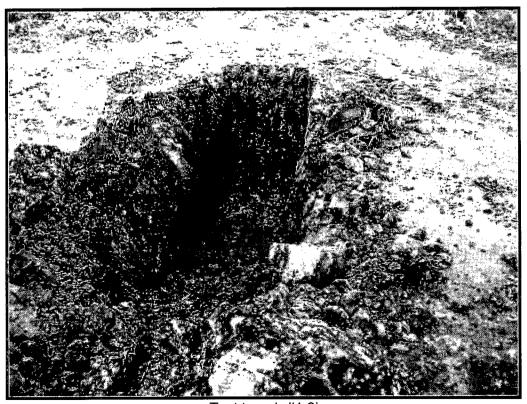
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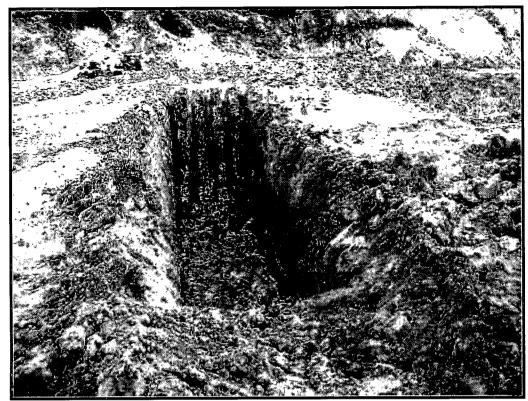
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Excavated area



Test trench #1 8'



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Test trench #3 10'



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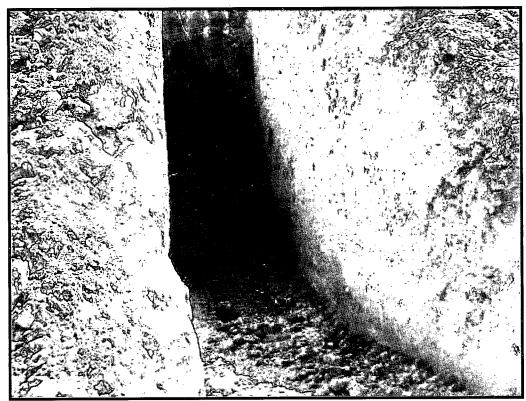
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Test Trench #4 11'



Test Trench #5 18'



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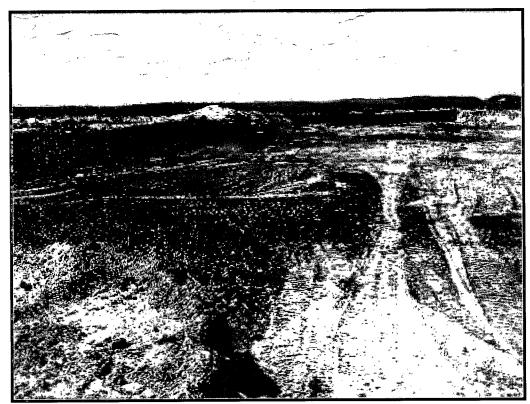
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Test Trench #6 12'



Test Trench #7' 15



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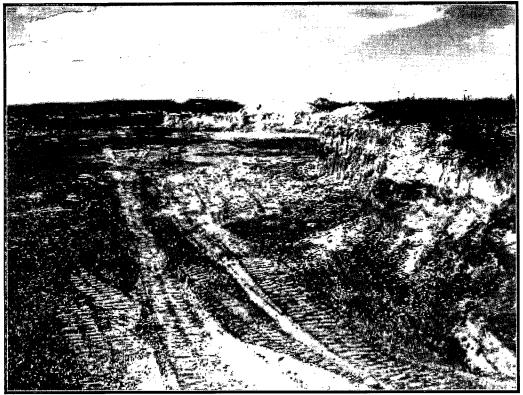
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Test Trenches backfilled facing southwest



Test Trenches backfilled facing northwest

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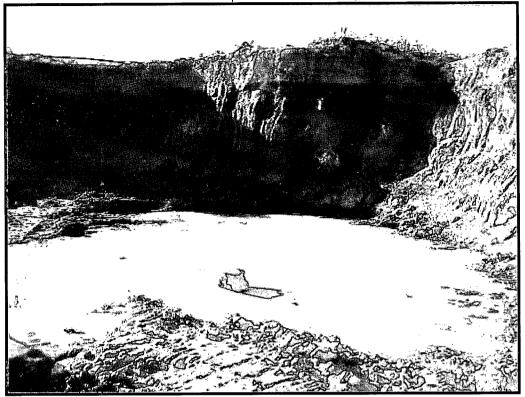
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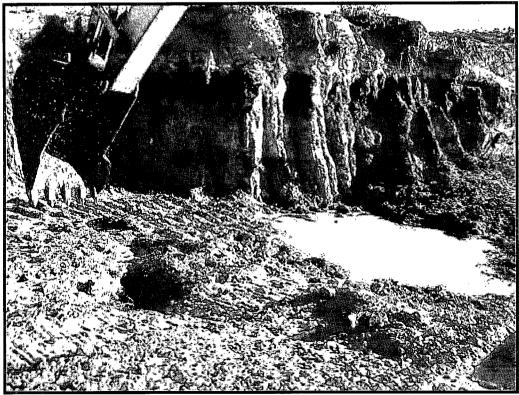
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Sanda Campatage

April 10 Car



Southeast corner with rain water facing south



Northeast corner with rain water facing northeast



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April Grand

A Second

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A Charles

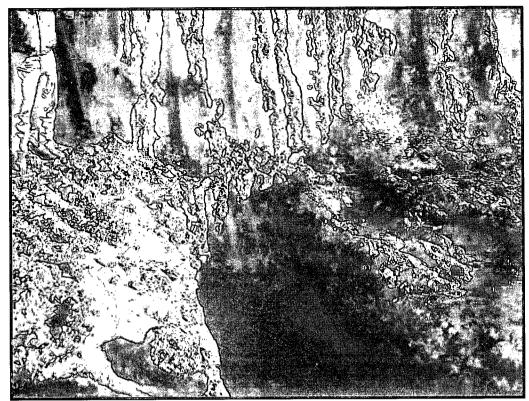
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Northeast corner with rain water on top facing east



Northeast corner at 3 1/2' dry facing north



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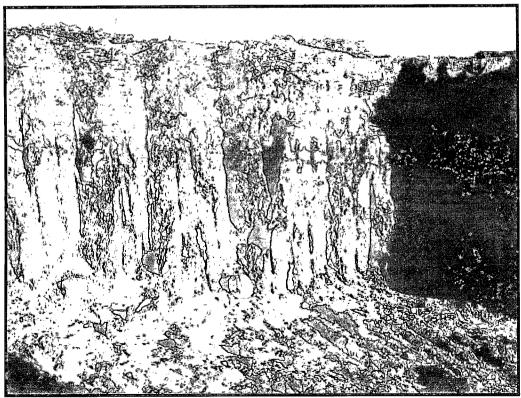
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Northeast corner north wall facing north



North wall facing north



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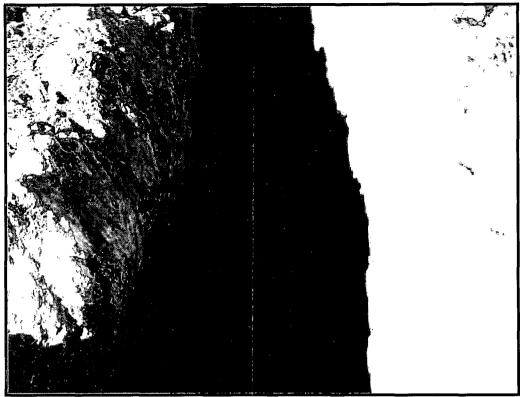
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Test Trench #4 @ 16'bgs facing west



Test Trench #4 @ 18'bgs facing west



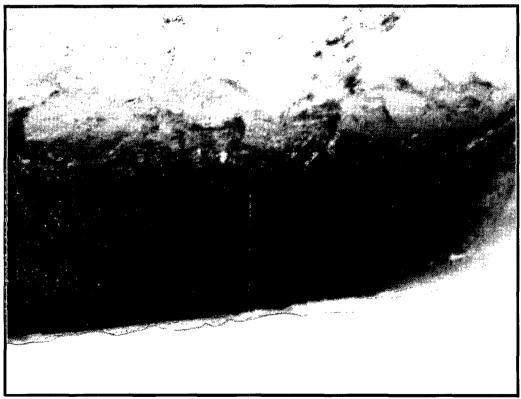
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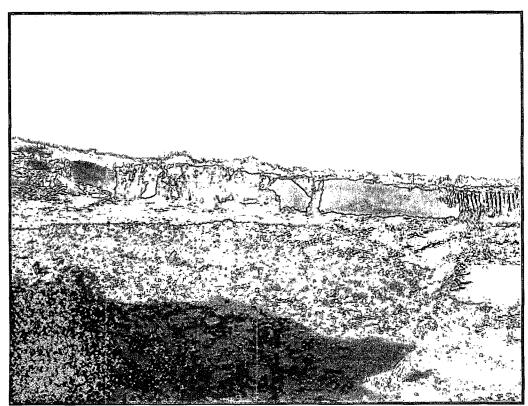
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Test Trench #4 @ 20'bgs facing west



Test Trench #4 @ 22'bgs



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Test Trench #4 backfilled facing west



Northeast corner bottom dry facing east



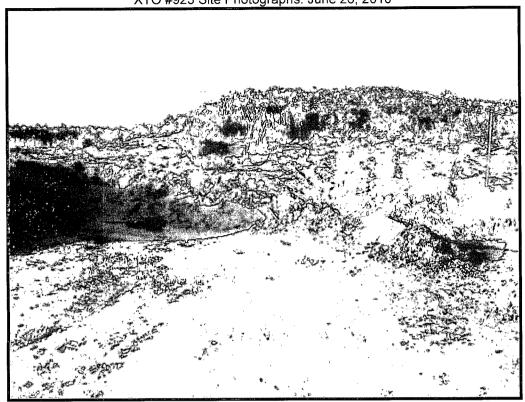
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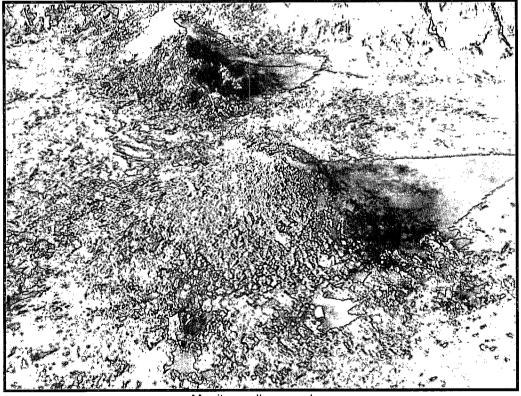
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Northeast corner backfilled facing east

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Monitor well covered up



Monitor well covered up



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Monitor well covered up

XTO EMSU-B #923 Site Photographs: July 28, 2010



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Monitor well undisturbed



Monitor well undisturbed



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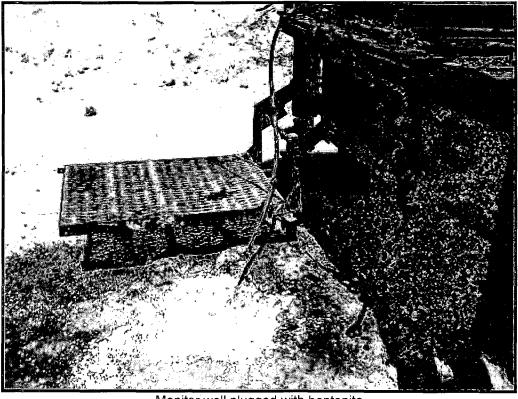
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Section 1

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Measurement at bottom of well with no water



Monitor well plugged with bentonite

XTO EMSU #923 Site Photos 9-28-10



West Wall facing west



Bottom of excavation facing south



Bottom of excavation facing south

100 Miles



Bottom of excavation facing west



Mary St.

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- David

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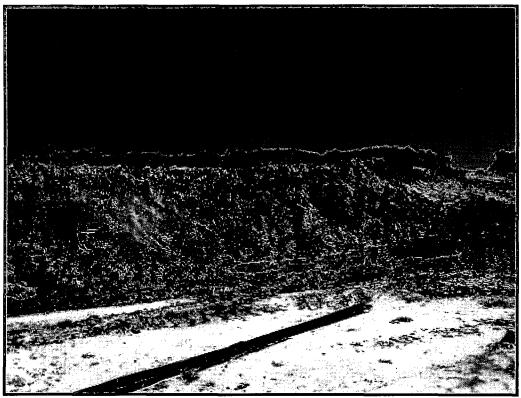
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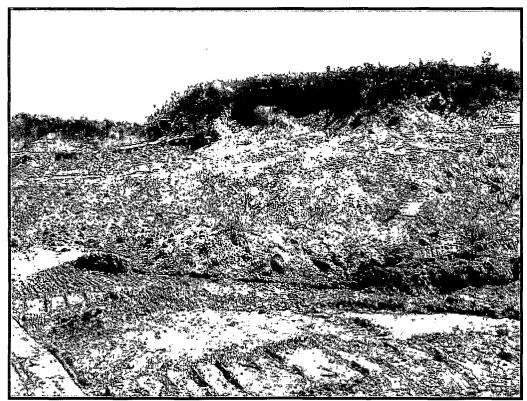
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Northeast wall facing northeast



Northeast wall facing northeast



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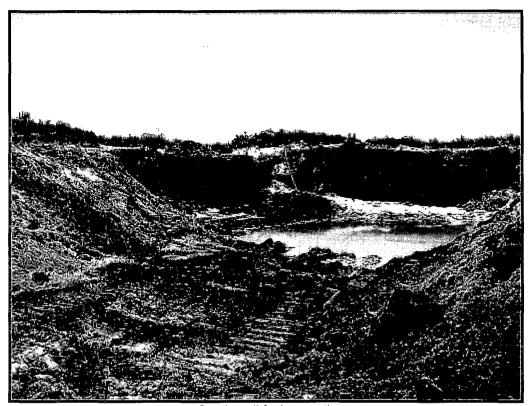
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East wall facing east



East wall facing south



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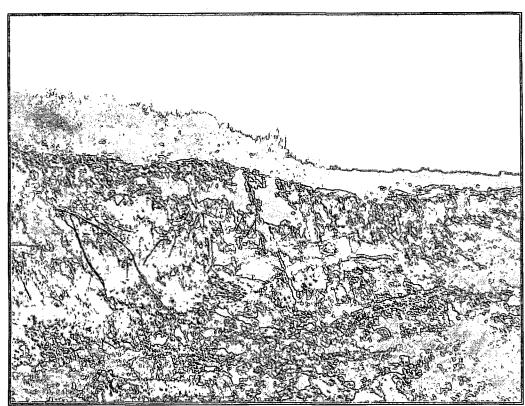
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A. 17. Car

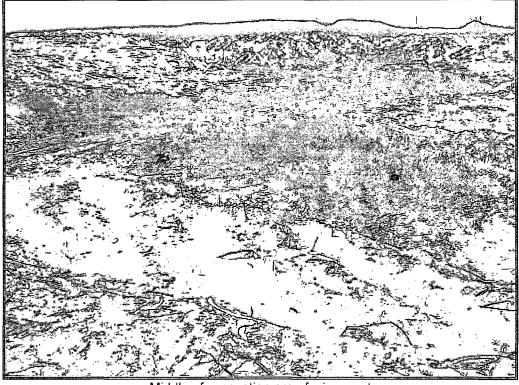
South wall facing south



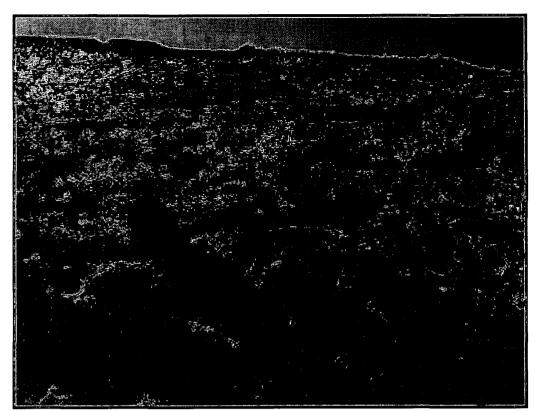
North wall facing north



North wall facing northeast

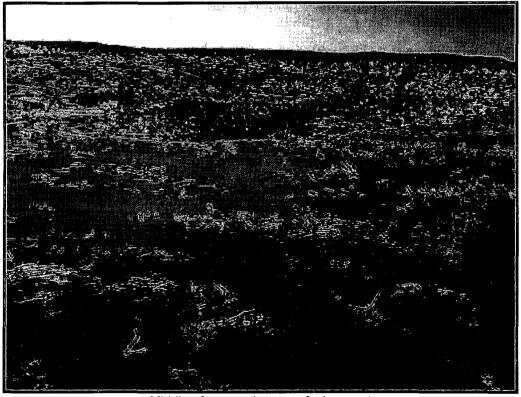


Middle of excavation area facing west

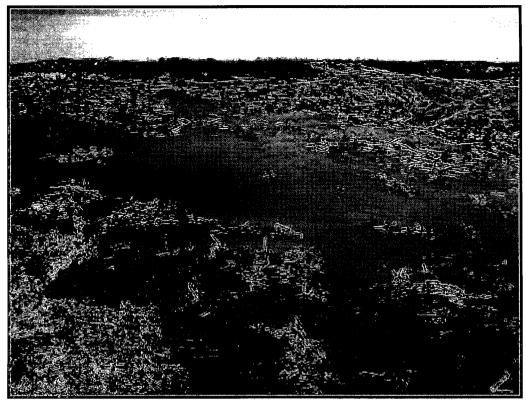


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North of excavation area facing northwest



Middle of excavation area facing west



The state of the s

雑様

Southeast of excavation area

Appendix C C-141

RECEIVED

Estrici 1 1625 N. French Dr., Höbbs, NM 88240 Striet II GOI W. Grand Ayenuc, Artesia, NM 88210 Istria III 1000 Rio Brazos Road, Azice, NM 87410 District IV 20 S. St. Francis Dr., Santa Fe, NNI 87505

State of New Mexico. Energy Minerals and Natural Resources NOV 17 2010

HOBBSUCD

Form C-141 Revised October 10, 2003

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

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

				Cascargotiin		OPERA'			ial Report:	Final Report
Name of Company, XTO/Energy/Inc						Contact: Jeff Raines				
Address						Telephone No. 432,557,3159				
Facility Name Eunice Monument South Unit B # 923						Facility Type Historic Spill				
Surface Owner Mineral Owner						Lease No. API 30-025-04304				
				LOCA	ATIOI	N OF REI	EASE.			
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	Bast/West Line	County	***************************************
N	-24	20 \$	36 E	:660	FSL	•	.1980	FWE	Lea	
		Tation	de: 32°3	37 17 82N		Longitu	- de: <u>41032-1852</u> 0	:8°.W		
ı				ÍÑÃT.	TERE.	OF RELI	EASE		_	
NATURE OF RELEASE Typz of Release unknown Volume Recovered: N/A Volume Recovered: N/A										Ä,
Source of Release -						Date and Hour of Occurrence N/A Date and Hour of Discovery N/A				
Was Immediate Notice Given? If YES; To Whom?										
			Yes: D	No Not R	egjuire d	-				
By Whom? -						Date and Hour -				
Was a Watercourse Reached? ☐ Yes ⊠ No						If YES, Volume Impacting the Watercourse.				
To Washings	india ambidi like			1.	···	<u>.</u>)		and the state of t	
If a Watercourse was Impacted, Describe Fully.*										
2										
Describe Cause of Problem and Remedial Action Taken.*										
second of a confingue relative reads										
Abandoned historical tank battery site. Delineation is in progress:										
Describe Are	a Affected	and Cleanup	Action Ta	ken.*						
A'mentine	a superior de la constant	en e		Continue de la companya		ON TANKSON COMME	ingina and			
wies Masiasi	essed for d	amages and a	workbian	will be submitted	to the N	IIMOCID TOLS	provai.			
l héreby certi	ly that the	information g	ven abov	e is true and comp	lete to t	he best of my	cnowledge and t	inderstand that pur	suant to NMO0	D rulës and
								tive actions for re		
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 containing on that pose a threat to ground water, surface water, human health										
or the environ	nment. In a	addition. NMC	ICD acco	ptance of a C-141	report d	loes not reliev	c the operator of	responsibility for	compliance wit	h any other
federal; state.	or local la	We applion begi	ilations.	'	<u> </u>		.*:		•	*:
						OIL CONSERVATION DIVISION				
Signature	14/1	anne			-				•	
- I						Approved by District Supervisors				
Printed Name: Jeff Raines						approximation appearant.				
Title: Construction Foreman						Approval Date: Expir		Expiration	ation Date:	
E-mail Address Jeff Raines@xtoenergy.com						Conditions of Approval:			_	
25 ann Andress Terr Maniestes inchergy cont						Countinous of whistokai:			Attached	
	lember 25,			/432:557.3159						
Arrock Addi	tional She	ets If Necess	a mili							