pKJ1600734312
4083

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

Name of Company XTO Energy	Contact Jerry Parker
Address	Telephone No. 575-396-0542 575-441-1628
Facility Name Bridges State 120 Battery	Facility Type Tank Battery

Surface Owner	Mineral Owner	Lease No. B-1521-1

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	14	17S	34E	195	North	2080	East	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE 124

Type of Release Med. Oil	Volume of Release 490 bbls. Volume Recovered 35 bbls.
Source of Release 500 bbl Steel Tank	Date and Hour of Occurrence 9/30 Date and Hour of Discovery 9/30 AM
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Jeff Leking - NM. OCD.
By Whom? Larry Mienck	Date and Hour 9/45 AM
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

500 bbl Steel TK has internal corrosion.

Describe Area Affected and Cleanup Action Taken.*

Caliche Pad & Road - backhoe to pick up & dispose of contaminated dirt.

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

Signature: Jerry Parker	OIL CONSERVATION DIVISION
Printed Name: Jerry Parker	Approved by District Supervisor:
Title: Production Foreman	Approval Date: Expiration Date:
E-mail Address: Jerry_parker@XTOEnergy.com	Conditions of Approval: Attached ☐
Date: 4/3/2012 Phone: 575-396-0542	

* Attach Additional Sheets If Necessary

XTO Energy, Inc.
Bridges State #120
Township 17 South, Range 34 East, Section 14
Lea County, New Mexico

Delineation Report

July 10, 2012

Prepared for:

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

By:

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

TABLE OF CONTENTS

I. Company Contacts

Representative	Company	Telephone	E-mail
Gene Hudson	XTO Energy	575.441.1634	Richard_Hudson@xtoenergy.com
Bob Allen	SESI	575.397.0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by XTO Energy, Inc. to perform a site at the Bridges State 120 located in Unit G of Section 14 of Township 17 South, Range 34 East, Lea County, New Mexico.

According to the C-141 dated April 3, 2012, due to internal corrosion approximately 124 barrels of produced fluid was released inside the bermed area and leached through the southeast corner of the berm therefore staining the surface of the lease road, and approximately 35 bbls were recovered. Mr. Geoff Leking, representative for New Mexico Oil Conservation Division was contacted by telephone (Appendix C).

III. Surface and Ground Water

The nearest groundwater record is listed with the New Mexico State of Engineer is in Section 13 Range 34 East and Township 17 South, which is located 0.7 miles northeast of the site. The depth to groundwater was reported at 70 feet in October 1955.

IV. Characterization

The target cleanup levels are determined using the "Guidelines for Remediation of Leaks, Spills and Releases" (NMOCD August 13, 1993).

Application of the OCD's ranking criteria for contaminated soils indicates 1,000 parts per million (ppm) Total Petroleum Hydrocarbons (TPH) is the target concentration, as presented in the following determination:

Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	20 points	
	50 feet to 99 feet	10 points	X
	>100 feet	0 points	
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source; or less than 1000 feet from all other water sources)	Yes	20 points	
	No	0 points	X
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	20 points	
	200 feet to 1000 feet	10 points	
	>1000 feet	0 points	X
RANKING SCORE (TOTAL POINTS)			**0**

V. Work Performed

On April 16, 2012, SESI representative, arrived at the Bridges State 120 to gather GIS data and to photograph the subject site.

SESI representative was onsite with Cesar's Backhoe Service to remove approximately 2 feet (ft.) of contaminated soil from inside the bermed area and stockpiling it northeast of location. Mr. Gene Hudson, XTO representative arrived on location at 1030. Mr. Hudson and SESI supervisor agreed that the 2' of soil be removed from the area where the test trenches will be excavated before commencing with the delineation process. Cesar's Backhoe Service representative or Mr. Hudson will contact SESI when the contaminated soils are removed from inside the berm area to commence delineation.

On April 18, 2012, SESI representative was advised via telephone conversation that the site was ready for delineation. SESI representative arrived onsite at the Bridges State 120 at 0945 to perform test trenches to determine vertical extent of contamination.

Two test trenches were excavated utilizing the backhoe onsite to determine vertical extent if possible. Surface samples were obtained for both test trenches #1 and #2. The backhoe was not able to penetrate past 6"-8" in depth on test trenches #1 and #2 and samples were not obtained due to the material being solid rock. There was visible staining or odors at a depth of 6-8" in the test trenches

On May 31, 2012, SESI was onsite with Atkins Engineering and utilizing a rig, installed one (1) soil boring inside the spill area (previous test trenches locations). The battery is built up 2 feet from surface as shown in the pictures and 520 yards of contaminated soil was excavated from the battery area was hauled to R360 for disposal to keep any contamination from traveling vertically or horizontally.

Borehole #1 was drilled to a depth of 20'. Samples were retrieved in 5' intervals from all boreholes. All samples were properly preserved and transported under Chain of Custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (EPA Method 4500-Cl^- B) Total Petroleum Hydrocarbons (EPA Method 8015M), and BTEX (EPA Method 8021).

The results of the analysis are as follows:

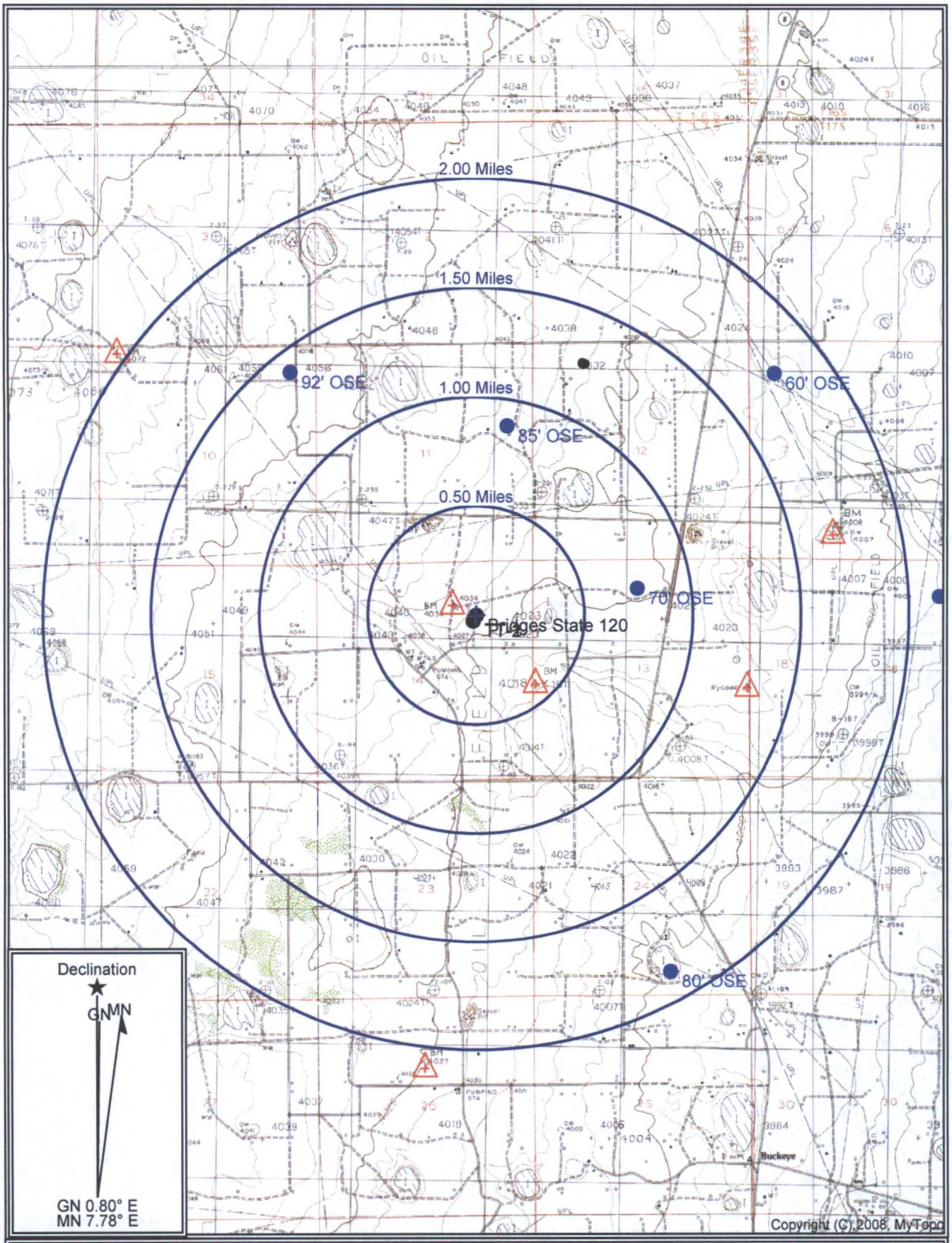
Sample ID	Cl- (mg/kg)	TPH (mg/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)
		DRO C_6-C_{10}	GRO >C_{10}-C_{28}				
Analysis Date:	**06/04/12**	**06/04/12**	**06/04/12**	**06/04/12**	**06/04/12**	**06/04/12**	**06/04/12**
BH-1 5' bgs	528	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150
BH-1 10' bgs	400	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150
BH-1 15' bgs	384	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150
BH-1 20' bgs	96.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150

VI. Action Plan

As a result of the most recent delineation, it is proposed that the affected area be lined with 20 mil geo-membrane liner and backfilled with clean soils.

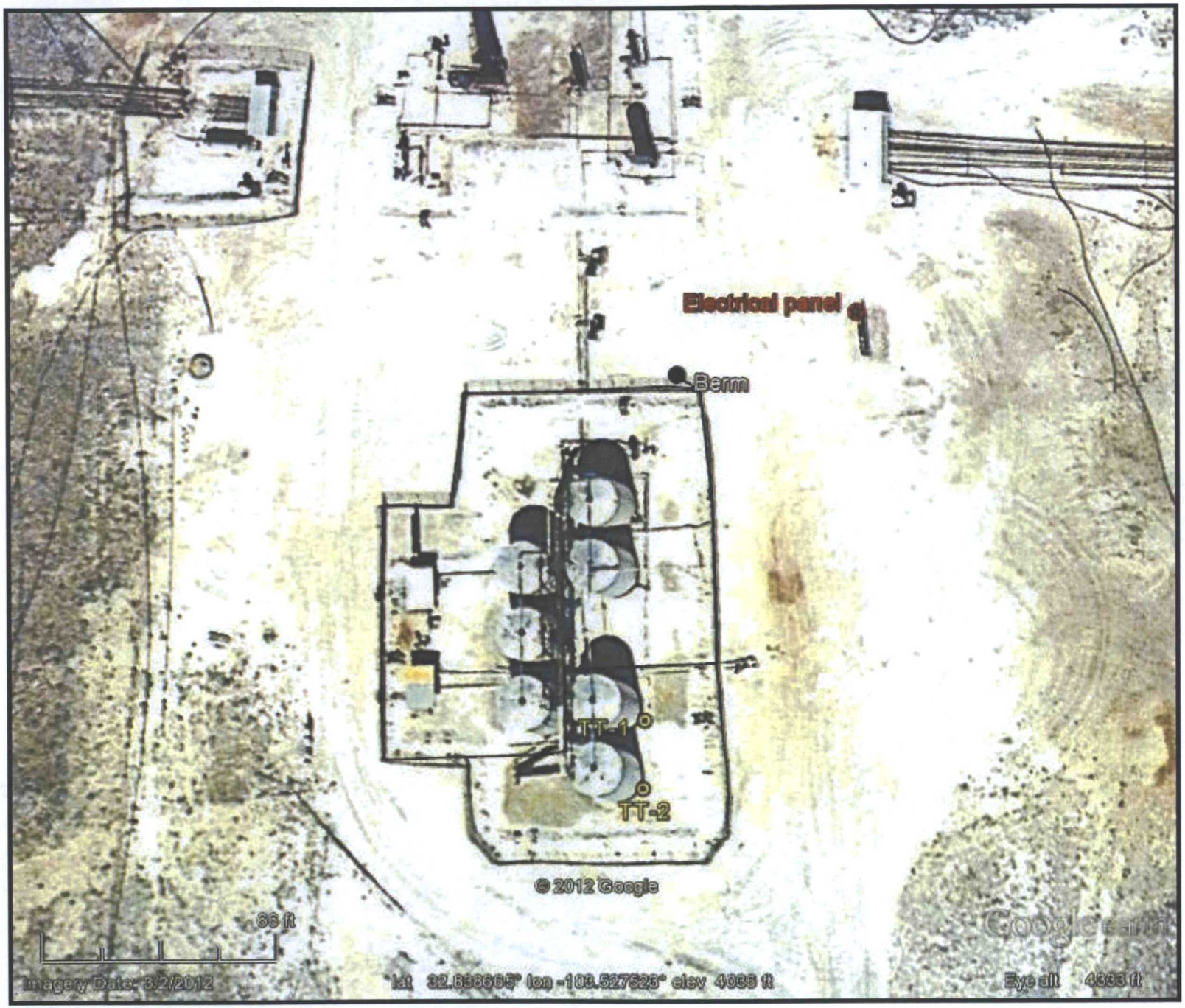
VII. Figures & Appendices

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



Map Name: BUCKEYE,
Scale: 1 inch = 3,500 ft.

Map Center: 032.8384225° N 103.5272626° W
Map Type: Topographic


Electrical panel
Berm
TT-1
TT-2
© 2012 Google
66 ft
Imagery Date: 8/2/2012
lat 32.888665° lon -103.527523° elev 4033 ft
Eye alt 4333 ft

CARDINAL Laboratories

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

June 07, 2012

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: XT0-12-001

Enclosed are the results of analyses for samples received by the laboratory on 06/04/12 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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 (V1, 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/04/2012	Sampling Date:	05/31/2012
Reported:	06/07/2012	Sampling Type:	Soil
Project Name:	XT0-12-001	Sampling Condition:	Cool & Intact
Project Number:	BRIDGES STATE 120	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: BH - 1 5' BGS (H201240-01)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2012	ND	2.24	112	2.00	5.15	
Toluene*	<0.050	0.050	06/04/2012	ND	2.05	102	2.00	5.34	
Ethylbenzene*	<0.050	0.050	06/04/2012	ND	1.95	97.5	2.00	4.62	
Total Xylenes*	<0.150	0.150	06/04/2012	ND	5.94	99.0	6.00	4.01	

Surrogate: 4-Bromofluorobenzene (PIL *102 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	06/04/2012	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2012	ND	183	91.3	200	1.58	
DRO >C10-C28	<10.0	10.0	06/04/2012	ND	187	93.7	200	3.90	

Surrogate: 1-Chlorooctane *86.7 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *102 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/04/2012	Sampling Date:	05/31/2012
Reported:	06/07/2012	Sampling Type:	Soil
Project Name:	XT0-12-001	Sampling Condition:	Cool & Intact
Project Number:	BRIDGES STATE 120	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: BH - 1 10' BGS (H201240-02)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2012	ND	2.24	112	2.00	5.15	
Toluene*	<0.050	0.050	06/04/2012	ND	2.05	102	2.00	5.34	
Ethylbenzene*	<0.050	0.050	06/04/2012	ND	1.95	97.5	2.00	4.62	
Total Xylenes*	<0.150	0.150	06/04/2012	ND	5.94	99.0	6.00	4.01	

Surrogate: 4-Bromofluorobenzene (PID *100 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	06/04/2012	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2012	ND	183	91.3	200	1.58	
DRO >C10-C28	<10.0	10.0	06/04/2012	ND	187	93.7	200	3.90	

Surrogate: 1-Chlorooctane *79.6 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *90.2 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/04/2012	Sampling Date:	05/31/2012
Reported:	06/07/2012	Sampling Type:	Soil
Project Name:	XT0-12-001	Sampling Condition:	Cool & Intact
Project Number:	BRIDGES STATE 120	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: BH - 1 15' BGS (H201240-03)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2012	ND	2.24	112	2.00	5.15	
Toluene*	<0.050	0.050	06/04/2012	ND	2.05	102	2.00	5.34	
Ethylbenzene*	<0.050	0.050	06/04/2012	ND	1.95	97.5	2.00	4.62	
Total Xylenes*	<0.150	0.150	06/04/2012	ND	5.94	99.0	6.00	4.01	

Surrogate: 4-Bromofluorobenzene (PIL *102 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	06/04/2012	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2012	ND	183	91.3	200	1.58	
DRO >C10-C28	<10.0	10.0	06/04/2012	ND	187	93.7	200	3.90	

Surrogate: 1-Chlorooctane *84.8 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *95.3 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	06/04/2012	Sampling Date:	05/31/2012
Reported:	06/07/2012	Sampling Type:	Soil
Project Name:	XT0-12-001	Sampling Condition:	Cool & Intact
Project Number:	BRIDGES STATE 120	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: BH - 1 20' BGS (H201240-04)

BTEX 8021B mg/kg **Analyzed By: ZZZ**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2012	ND	2.24	112	2.00	5.15	
Toluene*	<0.050	0.050	06/04/2012	ND	2.05	102	2.00	5.34	
Ethylbenzene*	<0.050	0.050	06/04/2012	ND	1.95	97.5	2.00	4.62	
Total Xylenes*	<0.150	0.150	06/04/2012	ND	5.94	99.0	6.00	4.01	

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/04/2012	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2012	ND	183	91.3	200	1.58	
DRO >C10-C28	<10.0	10.0	06/04/2012	ND	187	93.7	200	3.90	

Surrogate: 1-Chlorooctane *84.3 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *96.1 %* *63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Safety & Environmental Solutions, Inc.	BILL TO	
Project Manager:	Bob Allen	P.O. #:	
Address:	703 East Clinton	Company:	Same
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	575-397-0510 Fax #: 575-393-4388	Address:	
Project #:	XTO-12-001 Project Owner: XTO ENERGY	City:	
Project Name:	BRIDGES STATE 120	State: Zip:	
Project Location:	BULL-EYE	Phone #:	
Sampler Name:	SOSA JERRY	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	CHLORIDES	TPH 8015
H201240																	
1	BH-1 5' BGS	G	1			X					X		05/31	1445	X	X	X
2	BH-1 10' BGS	G	1			X					X		05/31	1505	X	X	X
3	BH-1 15' BGS	G	1			X					X		05/31	1544	X	X	X
4	BH-1 20' BGS	G	1			X					X		05/31	1614	X	X	X

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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or 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.

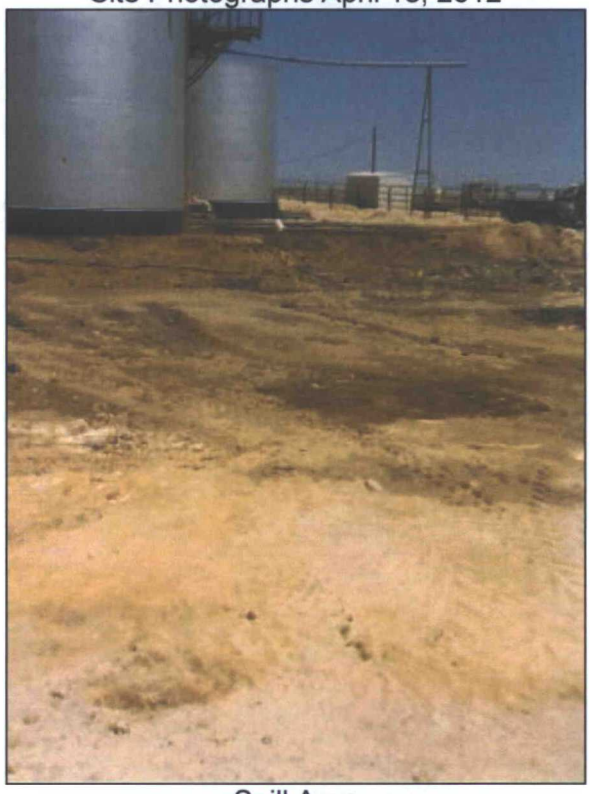
Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 06-01-12	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0900		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Temp.	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	3°C	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials)

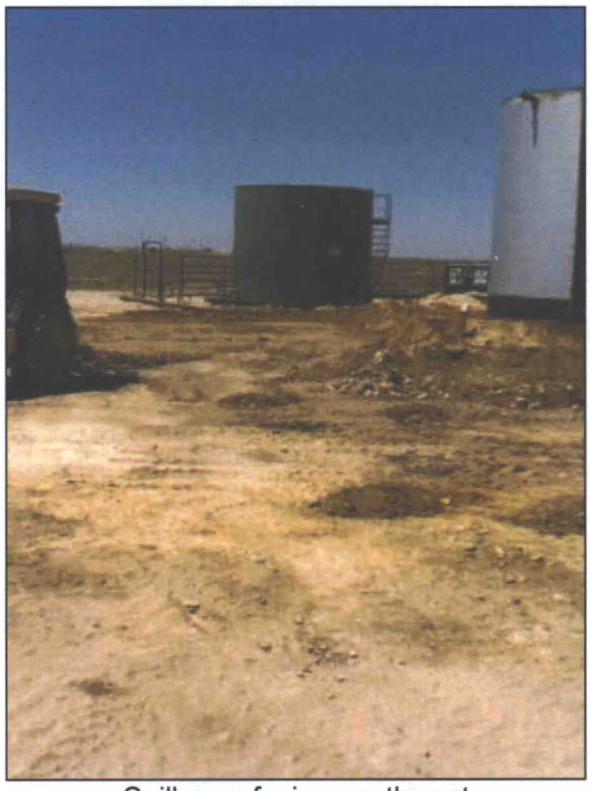
† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26

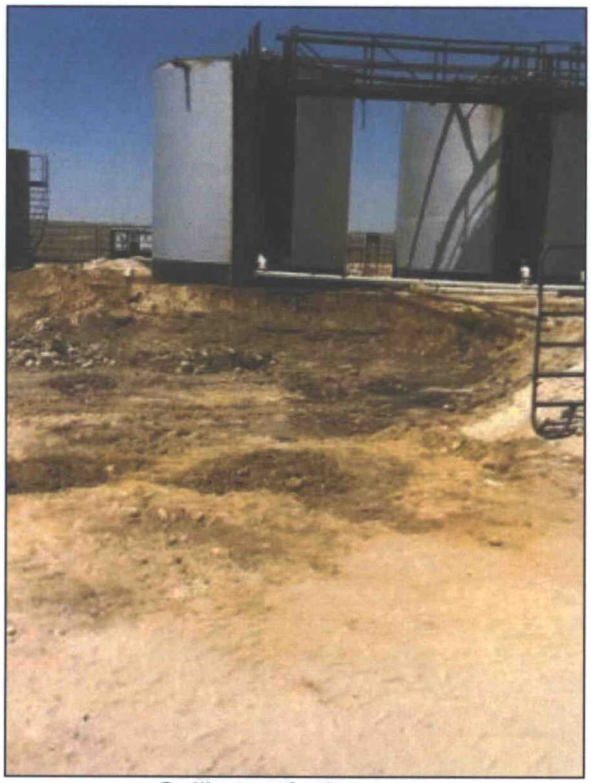
Site Photographs April 18, 2012



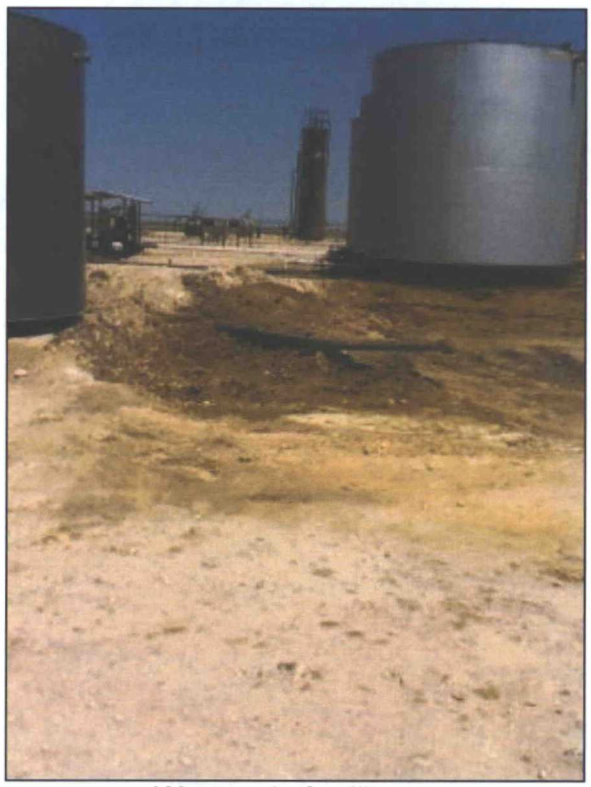
Spill Area



Spill area facing southwest

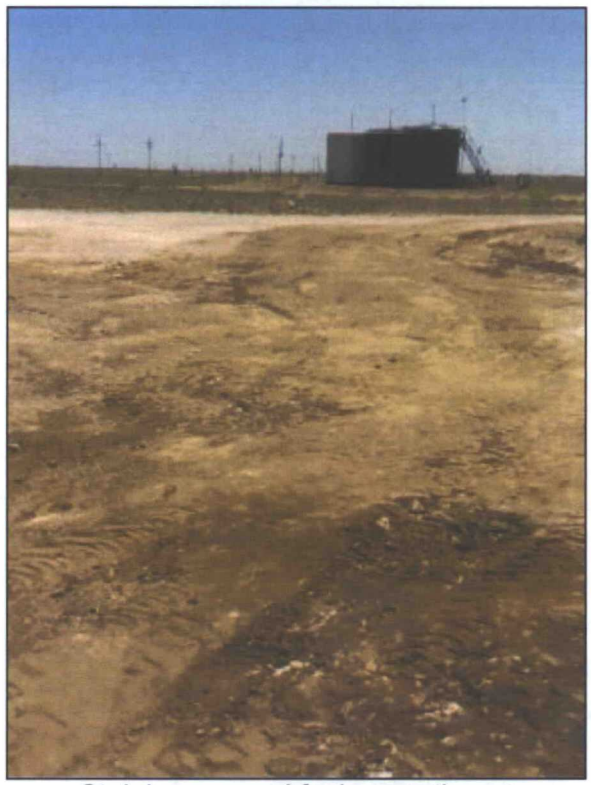


Spill area facing west



West end of spill area

Staining on lease road facing south

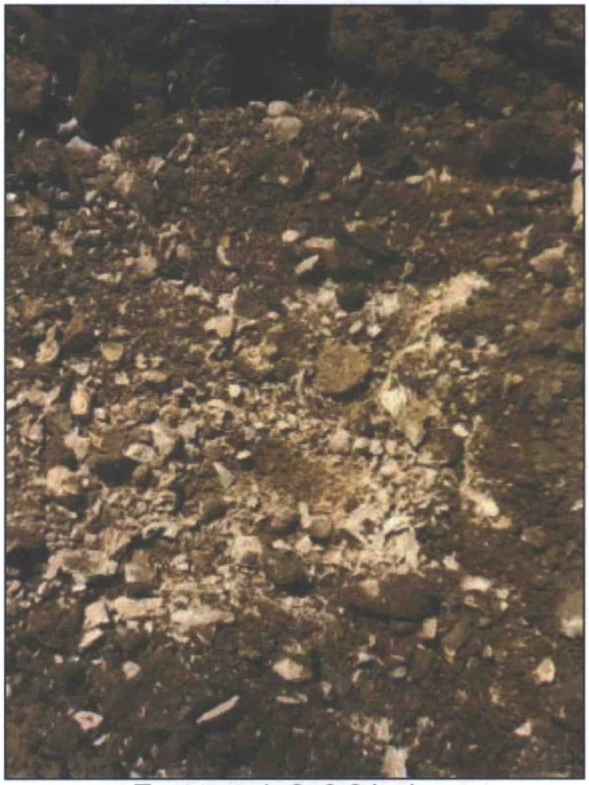


Staining on road facing southeast

Test trench-1: Surface

Test trench-1: 6-8 inches

Test trench-2: Surface



Test trench-2: 6-8 inches

Log of Boring: Test Hole 1

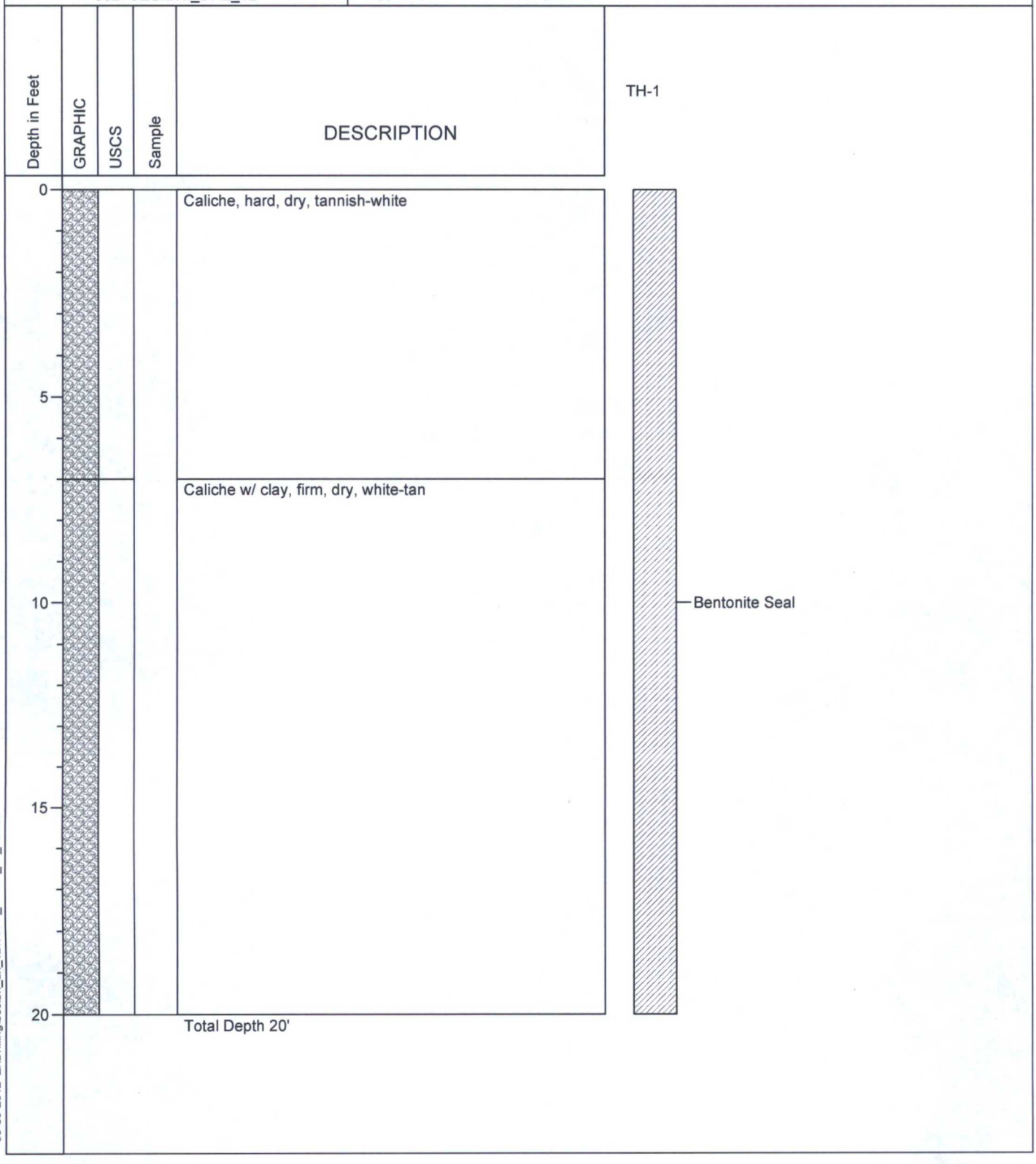
Atkins ENGINEERING ASSOCIATES

SAFETY ENVIRONMENTAL
P.O. Box 1613
Hobbs, NM 88241-1613

Contact: Sergio Contreras

Job: SESIBRI_DRL_12

Drilling Date	: 05/31/2012
Site Location	: Bridges State #120 (SW of Lovington, NM)
Boring Location	: 32.838439, 103.527497
Auger Type	: 3¼ Hollow Stem
Logged By	: Kenny Bates



06-05-2012 Z:\Drilling\sesibri_drl_12\Test1_sesibri_drl_12.bor