

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

Release Notification and Corrective Action

<b>OPERATOR</b>		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company: Targa Midstream Services L.P.	Contact: Ralph England		
Address: P.O. Box 1689, Lovington, NM 88260	Telephone No.: 575-396-3221		
Facility Name: Saunders Plant	Facility Type: Gas Processing		
Surface Owner: Dan Field Branch Ranch	Mineral Owner	Lease No.:	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
U	3	16S	35E	929'	SOUTH	31'	WEST	LEA

Latitude: 32.946433° Longitude: -103.454091°

NATURE OF RELEASE API # 30-025-01195

Type of Release: Gas Release	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: 20" steel pipeline	Date and Hour of Occurrence: 5-22-12 UNKNOWN	Date and Hour of Discovery: 5-22-12
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse:	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Gas pipeline leak discovered by Targa personal while performing routine line inspection. Watson Const. Co. was called out, pipeline was excavated and leak was clamped off. Site backfilled and ETNM / WEE Inc. were contacted to clean up leak.  
DEPTH TO GROUND WATER ACCORDING TO TEXACO/CHEVRON 2005 WATER DATA MAP FOR LEA COUNTY IS APPROXIMATELY 57' bgs +/-

Describe Area Affected and Cleanup Action Taken.\*

CLEAN UP ACTION: leak area was clamped off and backfilled. Targa is in the process of ordering new poly pipe for replacement of old pipe. ETNM / WEE Inc. has been contracted to perform clean up of leak area. Site will be cleaned up in accordance with NMOCD Leak Clean up standards.

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

Signature: <i>Ralph England</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Ralph England	ENV SPECIALIST: ENV SUPERVISOR:	
Title: Field Supervisor	Approved by District Supervisor: <i>Jeff Jelinek</i>	
E-mail Address: REngland@targaresources.com	Approval Date: 5/29/12	Expiration Date: 7/30/12
Date: 5-25-12 Phone: (575) 396-3221	Conditions of Approval: SUBMIT FINAL C-141 BY 7/30/12	Attached <input type="checkbox"/> IRP-5-12-2816

\* Attach Additional Sheets If Necessary

HOBBS OCD

JUN 28 2012

RECEIVED

# Earth Technologies of New Mexico Inc.

(A Whole Environmental Inc. Company)

ETNM PR- 6

---

**Remediation and Site Restoration Protocol  
Targa Midstream Services LLC  
Field #2 Leak  
1RP-2816**

---

## 1.0 Purpose

This protocol is to provide a detailed outline of the steps to be employed in the remediation of a gas & hydrocarbon release impact area near Lovington, NM in Lea County, New Mexico.

## 2.0 Scope

This protocol is site specific for the above project.

## 3.0 Preliminary

Prior to any field operations, Earth Technologies of New Mexico (ETNM / WEE Inc.) shall conduct the following activities:

### 3.1 Client Review

3.1.1 ETNM / WEE Inc. shall meet with appointed personnel within Targa Midstream Services LLC to review this protocol and make any requested modifications or alterations.

3.1.2 Changes to this protocol will be documented and submitted for final review by Targa Midstream Services LLC prior to the initiation of actual fieldwork.

3.1.3 Upon client approval, this protocol and supporting documentation will be submitted to the Hobbs district office of the NMOCOD for approval.

## 4.0 Safety

4.1 Prior to work on the site, ETNM / WEE Inc. shall obtain the location and phone numbers of the nearest emergency medical treatment facility. We will review all safety related issues with the appropriate Targa Midstream Services LLC personnel, sub-contractors and exchange phone numbers.

4.2 A tailgate safety meeting shall be held and documented each day. All sub-contractors must attend and sign the daily log-in sheet.



4.3 Anyone allowed on to location will be wearing standard PPE, and Fire Retardant Clothing or Coveralls. Each vehicle must be equipped with two way communication capabilities.

#### **5.0 Initial Site Investigation**

The site will be properly delineated vertically and laterally to meet NMOCD Spill Clean Up Standards. ETNM/WEE Inc. will initiate site investigation by boring 5 boreholes on the site; 1 @ the source of the leak until clean plus one more clean sample in 5' increments and 4 more bores in each directions (N,S,E & W) 5' from the source until clean plus one more clean sample in 5' increments. Additional boring may be required if the initial bores 5' from the source are not clean. All samples will be saved and split with the land owner. Various samples from the bores will be pulled and sent to Cardinal Labs in Hobbs for confirmation in accordance to NMOCD Spill Clean up Standards.

#### **6.0 Remediation Procedure**

The impacted leak area will be re-excavated to a depth of 5'bgs and 5' N,S,E and W to encompass an area of approximately 10' x 10'. The area will then be sampled in accordance to NMOCD standards and a 5pt bottom composite and a 5pt. composite (each) of the north and south wall. No samples will be pulled from the east or west walls as these areas have been excavated in the process of pipeline replacement. Samples will be split with land owner and samples will be sent to Cardinal Labs in Hobbs for confirmation. If samples confirm clean no further work will be required at the site. If sample are above the NMOCD Spill Clean Up Standards ETNM/WEE Inc. will schedule a cleanup excavation of the impacted area with Targa to meet the NMOCD Spill Clean up Standards.

#### **7.0 Site Restoration Procedure**

The site will backfilled and compacted with fresh caliche, topsoil and re-contoured to match the surrounding elevation. The site will be reseeded using an approved seed mixture by the land owner.

#### **8.0 Closure Report**

At the conclusion of the project, Whole Earth shall prepare a closure report which contains the following minimum information:

- Photographs of the location prior to remediation
- Photographs of all excavations at the point of maximum soil removal
- Photographs of the location at time of final closure
- Lab results
- Field CL- titration & PID results
- Disposal record of all manifest ticket numbers, volume amount of load, and date of disposal
- Copies of this protocol and all testing procedures

# EARTH TECHNOLOGIES OF NEW MEXICO INC.

(A WHOLE EARTH ENVIRONMENTAL INC. CO.)

## Summary of Excavation Soil Sample Analytical Results 1RP-2816 TARGA FIELD #2 LEAK

Soil Sample ID.	Depth (Feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analysis (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Carbon Ranges (C6-C10) (mg/Kg)	Carbon Ranges (C10-C28) (mg/Kg)	Chloride (mg/Kg)
SOURCE BORE	5' bgs	6/5/12	bore, auger cutting returns	13.0						<10.0	<10.0	
	10' bgs			18.4		<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	768
B1 @ 5' N. OF SOURCE	5' bgs			4.0						<10.0	<10.0	
	10' bgs			5.6		<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<16.0
B2 @ 5' W. OF SOURCE	5' bgs			6.3						<10.0	<10.0	
	10' bgs			7.0		<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<16.0
B3 @ 5' S. OF SOURCE	5' bgs			7.0						<10.0	<10.0	
	10' bgs			13.2		<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<16.0
B4 @ 5' E. OF SOURCE	5' bgs			12.6						<10.0	<10.0	
	10' bgs			5.5		<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<16.0



# EARTH TECHNOLOGIES OF NEW MEXICO

## CL- FIELD TITRATION RESULTS

LOCATION: TARGA FIELD #2 1RP-2816

Sample pt.	DATE	TIME	DEPTH	SOIL	WATER	CF	AGNO3	CL-	PID	SOIL LITHOLOGY
SOURCE	6/5/2012	957	5'	0	0	0.00	0	0	13.0	10YR-4/1 dark gray minimal caliche no odor dry
		1057	10'	0	0	0.00	0	0	18.4	10YR-7/2 light gray hard rocky caliche no odor dry
B1	6/5/2012	1157	5'	0	0	0.00	0	0	4.0	7.5YR-7/2 pinkish gray rocky caliche no odor dry
		1226	10	0	0	0.00	0	0	5.6	7.5YR-8/3 pink rocky sandy caliche no odor dry
B2	6/5/2012	117	5'	0	0	0.00	0	0	6.3	7.5YR-5/1 gray sandy sand no odor dry
		127	10	0	0	0.00	0	0	7.0	7.5YR-8/3pink sandy sand no odor damp
B3	6/5/2012	341	5'	0	0	0.00	0	0	7.0	10YR-7/2 light gray hard rocky caliche no odor dry
		351	10'	0	0	0.00	0	0	13.2	7.5YR-8/3 pink rocky sandy caliche no odor damp
B4	6/5/2012	417	5'	0	0	0.00	0	0	12.6	7.5YR-8/2 pinkish white soft sandy caliche no odor damp
		435	10'	0	0	0.00	0	0	5.5	7.5YR-8/2 pinkish white soft sandy caliche no odor damp

TARGA MIDSTREAM SERVICES L.P.

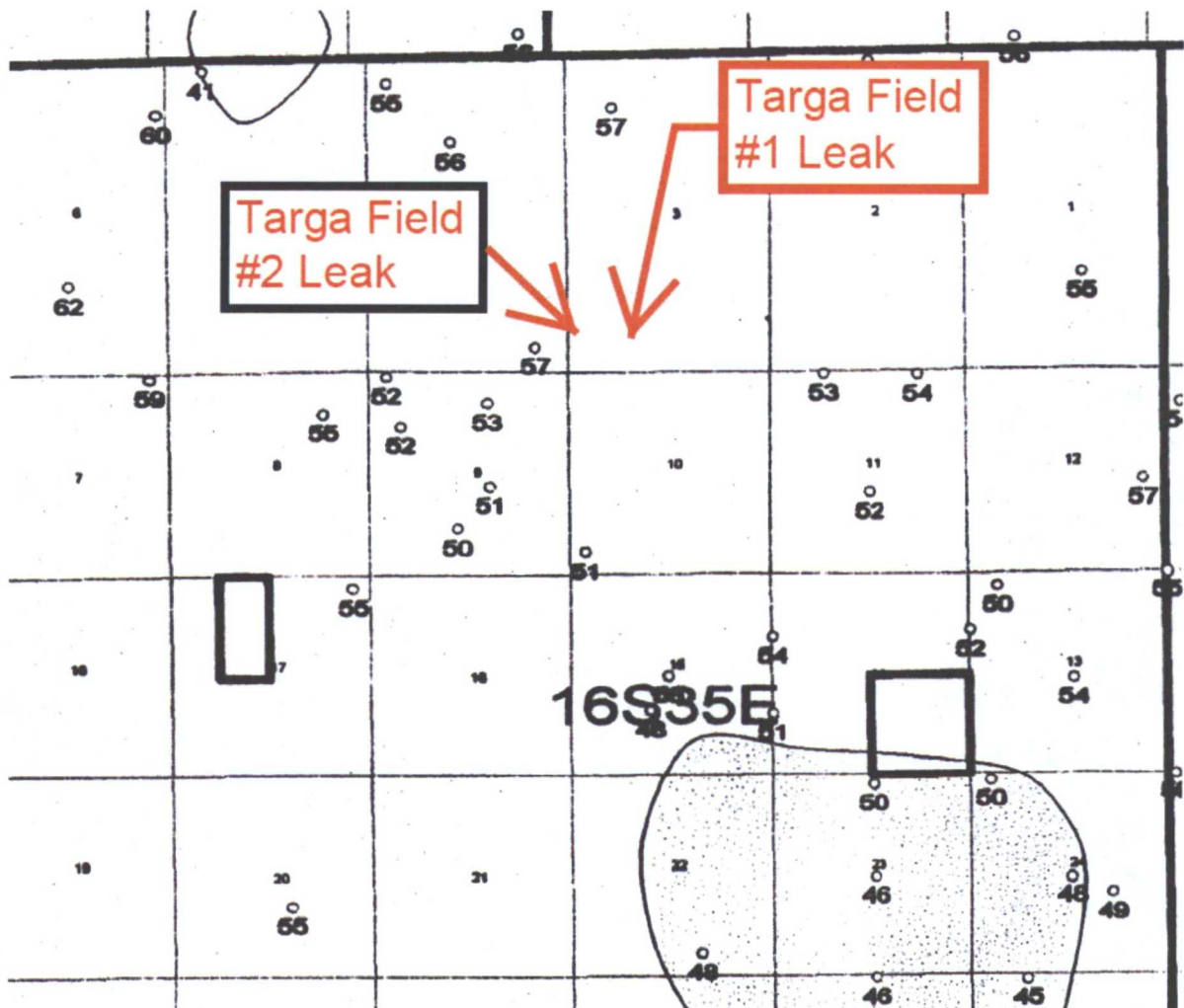
UL/U SEC 3 - T16S - R35E

929' FSL & 31' FWL

GPS LAT. & LON. WGS84

N32.946433 / W103.454091

WATER DEPTH ACCORDING TO CHEVRON/TEXACO 2005 LEA COUNTY WATER  
DATA MAP





1RP-2816  
Targa Field #2 Leak  
ULU SEC 3 - T16S - R35E  
GPS LAT & LON WGS84  
N32.946433 / W103.454091  
929' FSL & 31' FWL  
DRIVING DIRECTIONS: IN LOVINGTON @ INTERSECTION OF AVE  
D & MAIN ST. TURN L.E. ONTO AVE D GO 5.54MI., TURN R DRIVE  
THRU GATE TAKE LEASE RD. ON L. STAYING ON MAIN LEASE  
RD HEADED W. GO 0.54MI @ "Y" CURVE L GO 0.12MI CURVE R  
FOLLOW RD N 0.16MI. LEAK SITE IS LOCATED ON R. SIDE OF  
LEASE RD ABOUT 10' INTO PASTURE.

Targa Field #2

W D Ave

W Ave D 82 Lovington

S Main Ave

18

Arkansas Jct

Google earth

Eye alt 33637 ft

Image USDA Farm Service Agency  
© 2012 Google

lat 32.947745 lon -103.402564 elev 3965 ft

Imagery Date 3/2/2012 1996



INITIAL VIEW OF  
LEAK. CLAMP  
INSTALLED LINE  
BACK IN  
SERVICE W. > E.





VIEWING LEAK  
SOURCE LINE  
SPOTTED  
CLAMP VISIBLE  
W. > E.



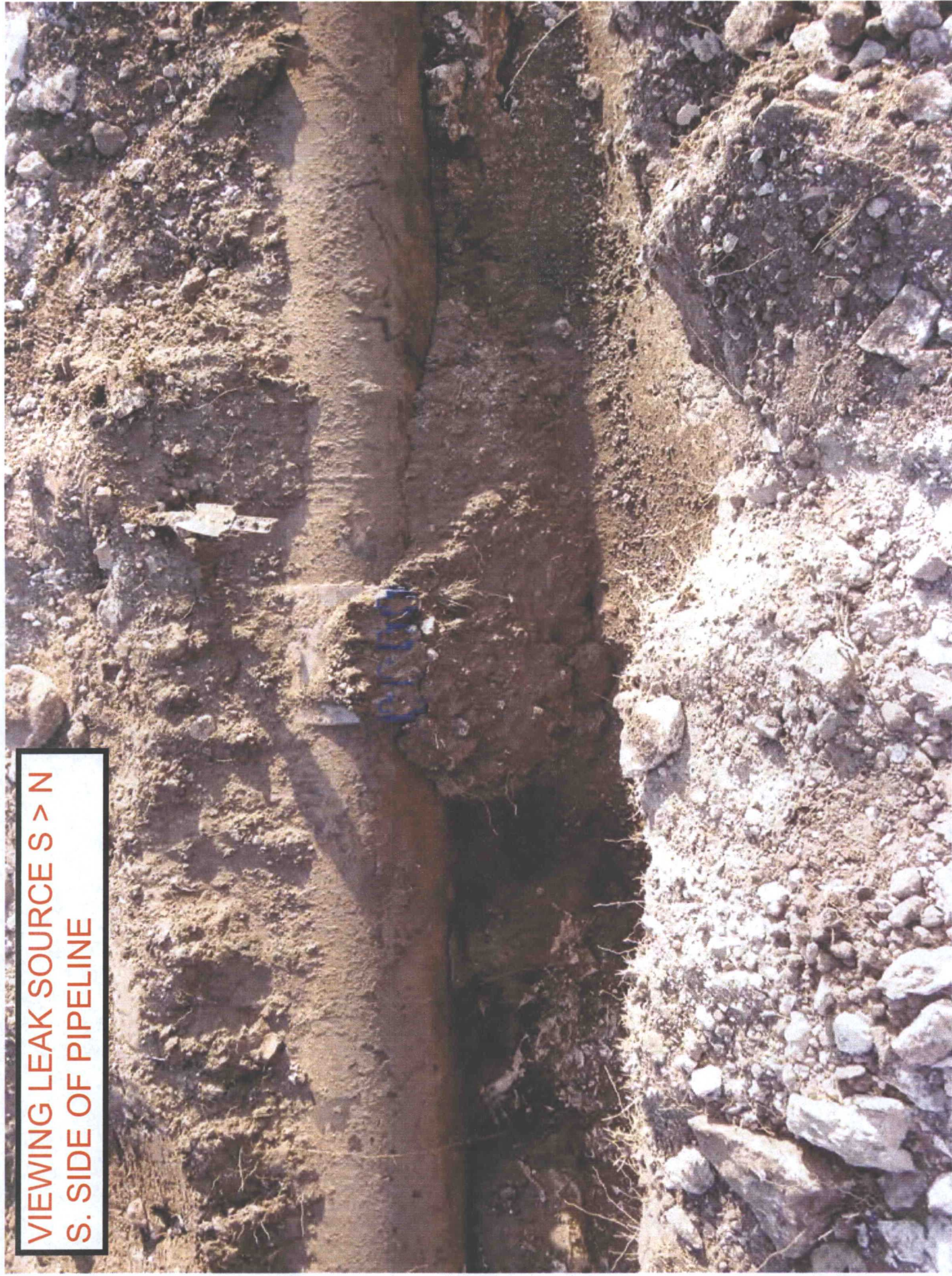


VIEWING LEAK  
SOURCE LINE  
SPOTTED,  
LOCATION OF B1  
S. > N.





VIEWING LEAK SOURCE S > N  
S. SIDE OF PIPELINE





VIEWING LEAK SOURCE  
SW > NE



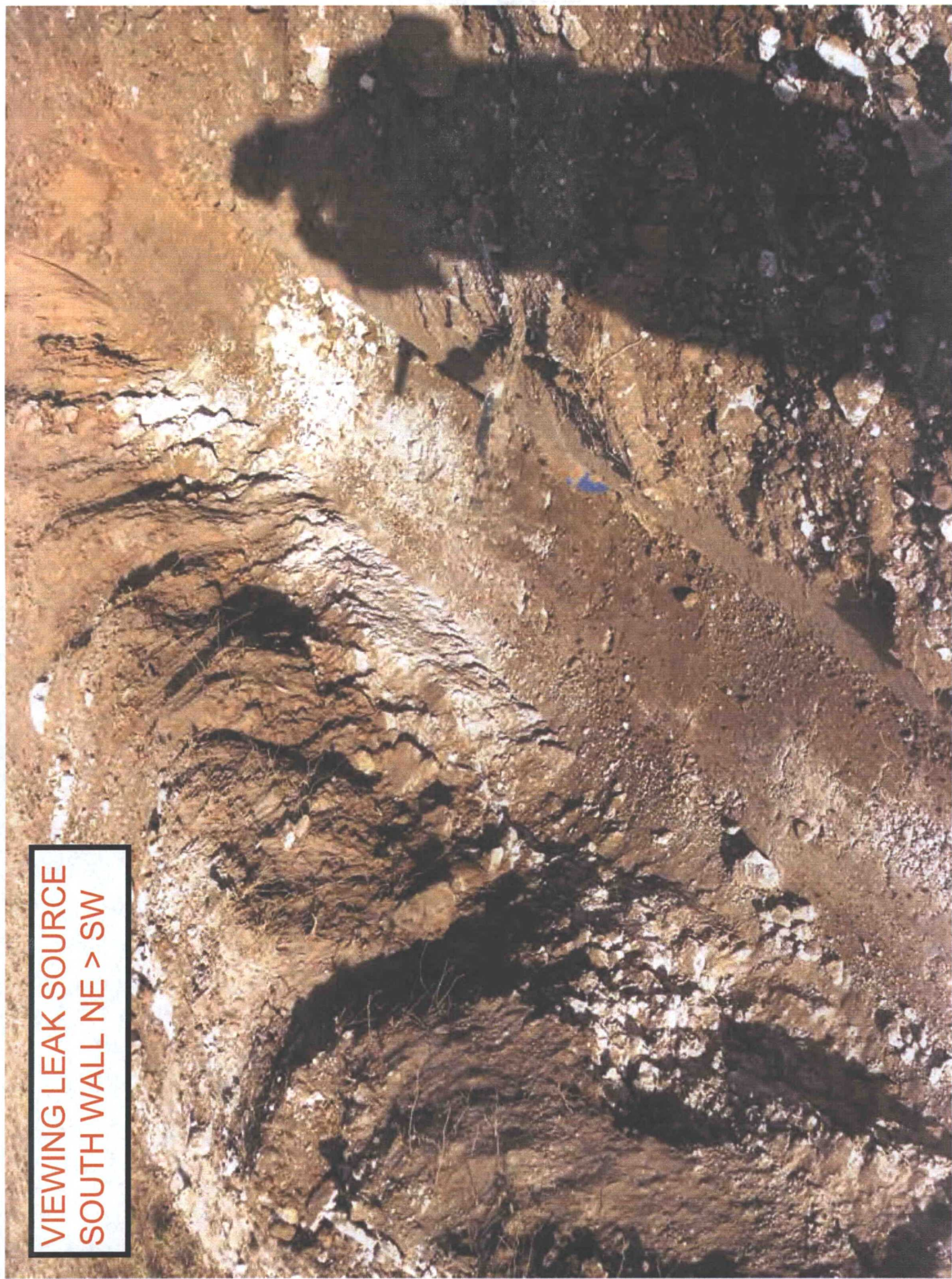


VIEWING LEAK SOURCE  
SOUTH WALL NW > SE





VIEWING LEAK SOURCE  
SOUTH WALL NE > SW







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

June 07, 2012

ROY RASCON

EARTH TECHNOLOGIES OF NEW MEXICO

904 WEST HUMBLE

HOBBS, NM 88240

RE: TARGA FIELD #2

Enclosed are the results of analyses for samples received by the laboratory on 06/06/12 9:15.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Lab Director/Quality Manager





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

**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SOURCE @ 5' (H201257-01)**

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	
Surrogate: 1-Chlorooctane	90.0 %	65.2-140							
Surrogate: 1-Chlorooctadecane	105 %	63.6-154							

**Sample ID: SOURCE @ 10' (H201257-02)**

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	06/06/2012	ND	2.20	110	2.00	3.96	
Toluene*	<0.050	0.050	06/06/2012	ND	2.02	101	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/06/2012	ND	1.89	94.5	2.00	3.32	
Total Xylenes*	<0.150	0.150	06/06/2012	ND	5.72	95.4	6.00	3.02	
Surrogate: 4-Bromofluorobenzene (PIE)	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	768	16.0	06/06/2012	ND	416	104	400	3.77	
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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

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 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.

Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SOURCE @ 10' (H201257-02)**

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	87.1 %	65.2-140							
Surrogate: 1-Chlorooctadecane	97.6 %	63.6-154							

**Sample ID: B1 @ 5' (H201257-03)**

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	
Surrogate: 1-Chlorooctane	85.3 %	65.2-140							
Surrogate: 1-Chlorooctadecane	94.3 %	63.6-154							

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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B1 @ 10' (H201257-04)**

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	06/06/2012	ND	2.20	110	2.00	3.96	
Toluene*	<0.050	0.050	06/06/2012	ND	2.02	101	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/06/2012	ND	1.89	94.5	2.00	3.32	
Total Xylenes*	<0.150	0.150	06/06/2012	ND	5.72	95.4	6.00	3.02	

Surrogate: 4-Bromofluorobenzene (PIE) 99.9 % 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	<16.0	16.0	06/06/2012	ND	416	104	400	3.77		

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	06/06/2012	ND	187	93.4	200	1.58		
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252		

Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

**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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B2 @ 5' (H201257-05)**

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154

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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B2 @ 10' (H201257-06)**

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	06/06/2012	ND	2.20	110	2.00	3.96	
Toluene*	<0.050	0.050	06/06/2012	ND	2.02	101	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/06/2012	ND	1.89	94.5	2.00	3.32	
Total Xylenes*	<0.150	0.150	06/06/2012	ND	5.72	95.4	6.00	3.02	

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 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	<16.0	16.0	06/06/2012	ND	416	104	400	3.77	

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

Surrogate: 1-Chlorooctane 91.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.1 % 63.6-154

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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B3 @ 5' (H201257-07)**

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B3 @ 10' (H201257-08)**

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	06/06/2012	ND	2.20	110	2.00	3.96	
Toluene*	<0.050	0.050	06/06/2012	ND	2.02	101	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/06/2012	ND	1.89	94.5	2.00	3.32	
Total Xylenes*	<0.150	0.150	06/06/2012	ND	5.72	95.4	6.00	3.02	

Surrogate: 4-Bromofluorobenzene (PIE) 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	<16.0	16.0	06/06/2012	ND	416	104	400	3.77	

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

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 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.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 EARTH TECHNOLOGIES OF NEW MEXICO  
 ROY RASCON  
 904 WEST HUMBLE  
 HOBBS NM, 88240  
 Fax To: NONE

 Received: 06/06/2012  
 Reported: 06/07/2012  
 Project Name: TARGA FIELD #2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 06/05/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: B4 @ 5' (H201257-09)**

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	
<hr/>									
Surrogate: 1-Chlorooctane	87.4 %	65.2-140							
Surrogate: 1-Chlorooctadecane	95.9 %	63.6-154							

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 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.



Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 06/06/2012  
Reported: 06/07/2012  
Project Name: TARGA FIELD #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 06/05/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B4 @ 10' (H201257-10)**

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	06/07/2012	ND	2.20	110	2.00	3.96	
Toluene*	<0.050	0.050	06/07/2012	ND	2.02	101	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/07/2012	ND	1.89	94.5	2.00	3.32	
Total Xylenes*	<0.150	0.150	06/07/2012	ND	5.72	95.4	6.00	3.02	

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 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	<16.0	16.0	06/06/2012	ND	416	104	400	3.77	

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	06/06/2012	ND	187	93.4	200	1.58	
DRO >C10-C28	<10.0	10.0	06/06/2012	ND	190	94.9	200	0.252	

Surrogate: 1-Chlorooctane 78.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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 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.

Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

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 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.



---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST									
Company Name: <u>STNA</u>					P.O. #:														
Project Manager: <u>Ray Kusan</u>					Company:														
Address:					Attn:														
City:					State:														
Phone #:					Address:														
Project #:					City:														
Project Name: <u>Tony Field #2</u>					State:														
Project Location:					Phone #:														
Sampler Name: <u>Ray Kusan</u>					Fax #:														
FOR LAB USE ONLY					MATRIX					PRESERV					SAMPLING				
Lab I.D.																			
H2O 1257																			
1	10 Sept 25'																		
2	11 210'																		
3	11 210'																		
4	12 210'																		
5	12 210'																		
6	12 210'																		
7	12 210'																		
8	12 210'																		
9	12 210'																		
10	12 210'																		

**PLEASE NOTE:** Liability and Damages. Cardholder liability and damages exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the services. Cardholder liability for negligence and any other cause whatsoever shall be determined without regard to the amount paid by the client for the services. In the event that Cardholder is found liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, beyond the amount paid by the client for the services, Cardholder shall be liable for such damages.

Relinquished By: [Signature]

Relinquished By: [Signature]

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date: 9/6/00 Time: 7:15

Date: 9/6/00 Time: 5:01

Received By: [Signature]

Received By: [Signature]

Sample Condition

Cool	Intact
<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/> No	<input type="checkbox"/> No

CHECKED BY: (Initials) [Initials]

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Phone #:                     

Add'l Phone #:                     

Fax #:                     

Add'l Fax #:                     

REMARKS: Kash !!

REMARKS: Even !!

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326