

PJXK1535156518  
4636

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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

HOBBS OCD

APR 22 2014

RECEIVED

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Lee Stebbins A & B Battery	Facility Type	Gathering
Surface Owner	Wayne Henson	Mineral Owner	
		API No.	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	5	22S	37E					Lea County, NM

Latitude N 32.42° Longitude W103.19°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	6 bbls oil and 8 bbls water	Volume Recovered	0 bbls
Source of Release	Gas sales line froze & popped off valve on heater	Date and Hour of Occurrence	12/09/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking- NMOCD; Jennifer Van Curen- BLM		
By Whom?	Chancey Summers	Date and Hour	12/10/2013 @ 9:53 am		
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.\*

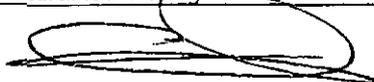
Describe Cause of Problem and Remedial Action Taken.\*

The gas sales line froze and popped of the Kimray valve on the heater causing 6 bbls of oil and 8 bbls of produced water to leak onto the ground. No fluid were recovered and the valve was put back on the heater.

Describe Area Affected and Cleanup Action Taken.\*

The affected areas are approximately 3' x 15' on location and 9' x 16' off location. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 02/24/2014 and by Jennifer Van Curen of the BLM via email on 02/24/2014.

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:				<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Chancey Summers			Approved by Environmental Specialist:	
Title:	HES Specialist			Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com			Conditions of Approval:	
Date:	4-15-14			Phone:	(575) 397-8216
					Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary



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State of New Mexico **HOBBS OCD**  
Energy Minerals and Natural Resources  
Oil Conservation Division **APR 22 2014**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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#### OPERATOR

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Facility Name	Lee Stebbins A & B Battery	Facility Type	Gathering
Surface Owner	Wayne Henson	Mineral Owner	
		API No.	

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Longitude W 103.19°

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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.\*

The gas sales line froze and popped of the Kimray valve on the heater causing 6 bbls of oil and 8 bbls of produced water to leak onto the ground. No fluid were recovered and the valve was put back on the heater.

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Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>12-19-13</u> Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary



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Facility Name	Lee Stebbins A & B Battery	Facility Type	Gathering
Surface Owner	Wayne Henson	Mineral Owner	API No.

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	5	22S	37E					Lea County, NM

Latitude N 32.42° Longitude W 103.19°

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Type of Release	Oil and produced water	Volume of Release	6 bbls oil and 8 bbls water	Volume Recovered	0 bbls
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**OIL CONSERVATION DIVISION**

Signature:			
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>12-19-13</u> Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary



# Closure Report

HOBBS OCD  
PJXK15 35156518  
APR 22 2014

RECEIVED

## Site Description

Site Name:	Lee Stebbins A&B Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 5, T22S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.42281° W 103.18983°

## Release Data

Date of Release:	12/09/2013
Type of Release:	Oil and Produced water
Source of Release:	Gas sales line froze & popped off valve on heater
Volume of Release:	6 bbls of oil and 8 bbls of produced water
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate across the entire leak site to a depth of 1.5 feet. Then, backfill the site with clean soil.
Remediation Activities:	04/10/2014 to 04/14/2014

Plan Sent to OCD:	02/23/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	02/24/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	02/23/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	02/24/2014	Email from J. Van Curen to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 12/19/2013
Final C-141	Signed 04/15/2014
Site Diagram	December 2013
Groundwater Plot	50'-75'
TOPO Maps	December 2013
Lab Summary	02/04/2014
Lab Analysis	02/04/2014
Correspondence	Request and approval of remediation plan via email

## Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

04/18/2014

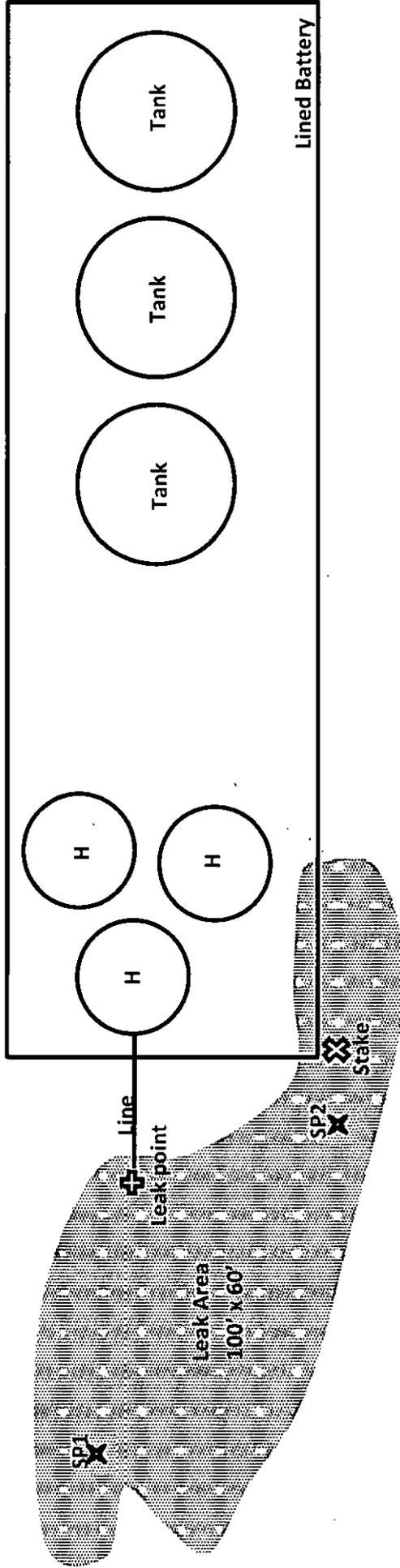
DEC 22 2015

1  
2  
3



Oxy

Lee Stebbins A & B Battery



U/L E, Section 5, T 22S, R37E  
Lea County, NM  
GPS at stake:  
N 32.42281° W 103.18983°

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Lee Stebbins A &amp; B Battery</b>	
Date: 12/19/2013	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2013	





Section Quarters

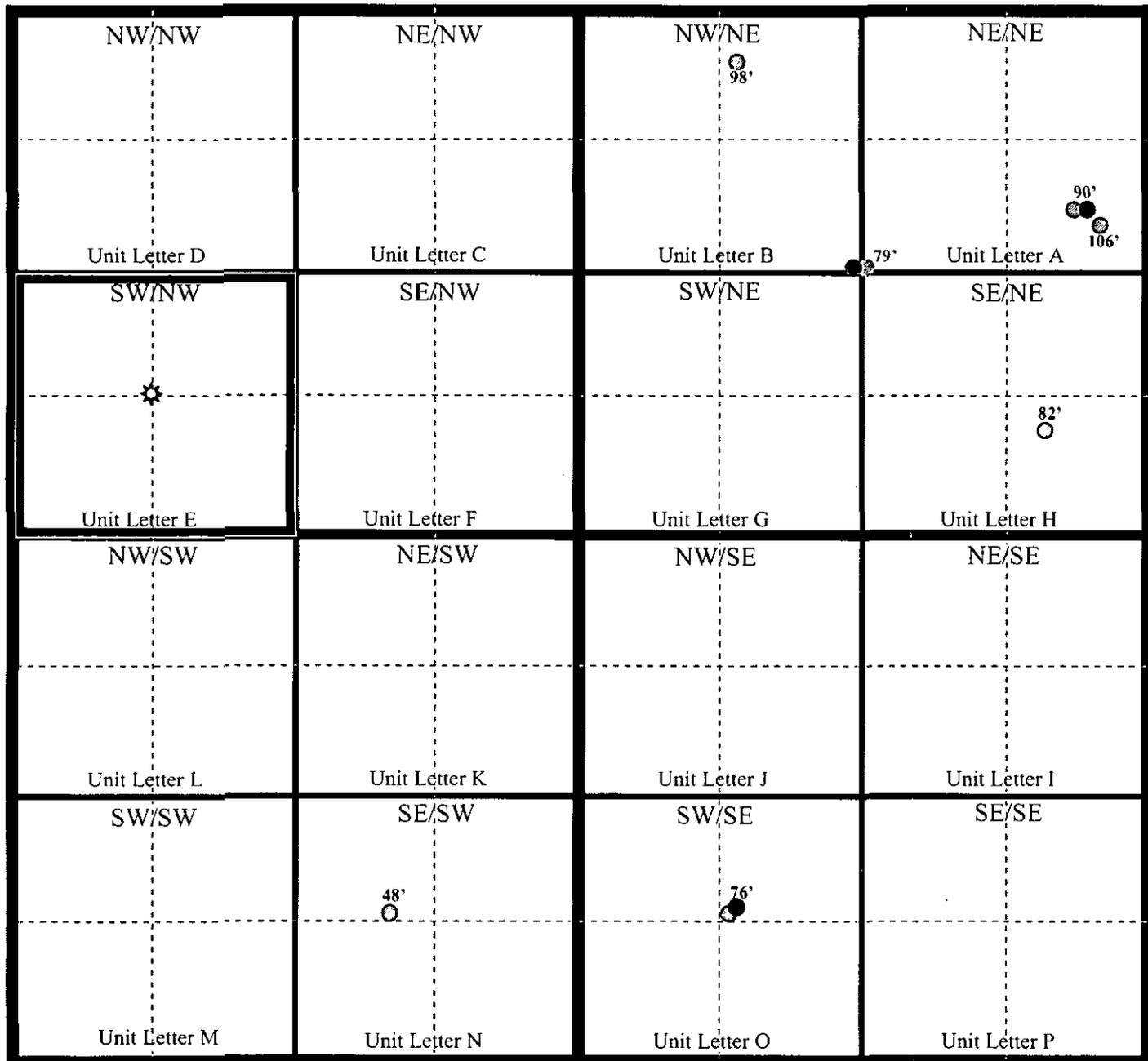
# Oxy Lee Stebbins A&B Battery

<i>County</i>	<i>Unit Letter</i>	<i>Section</i>	<i>Township</i>	<i>Range</i>
Lea	E	5	22S	37E

Trend Map 50'-75'

1

2



3

4

★ Location     
 ○ OCD     
 ● USGS     
 ● SEO     
 ● All Databases



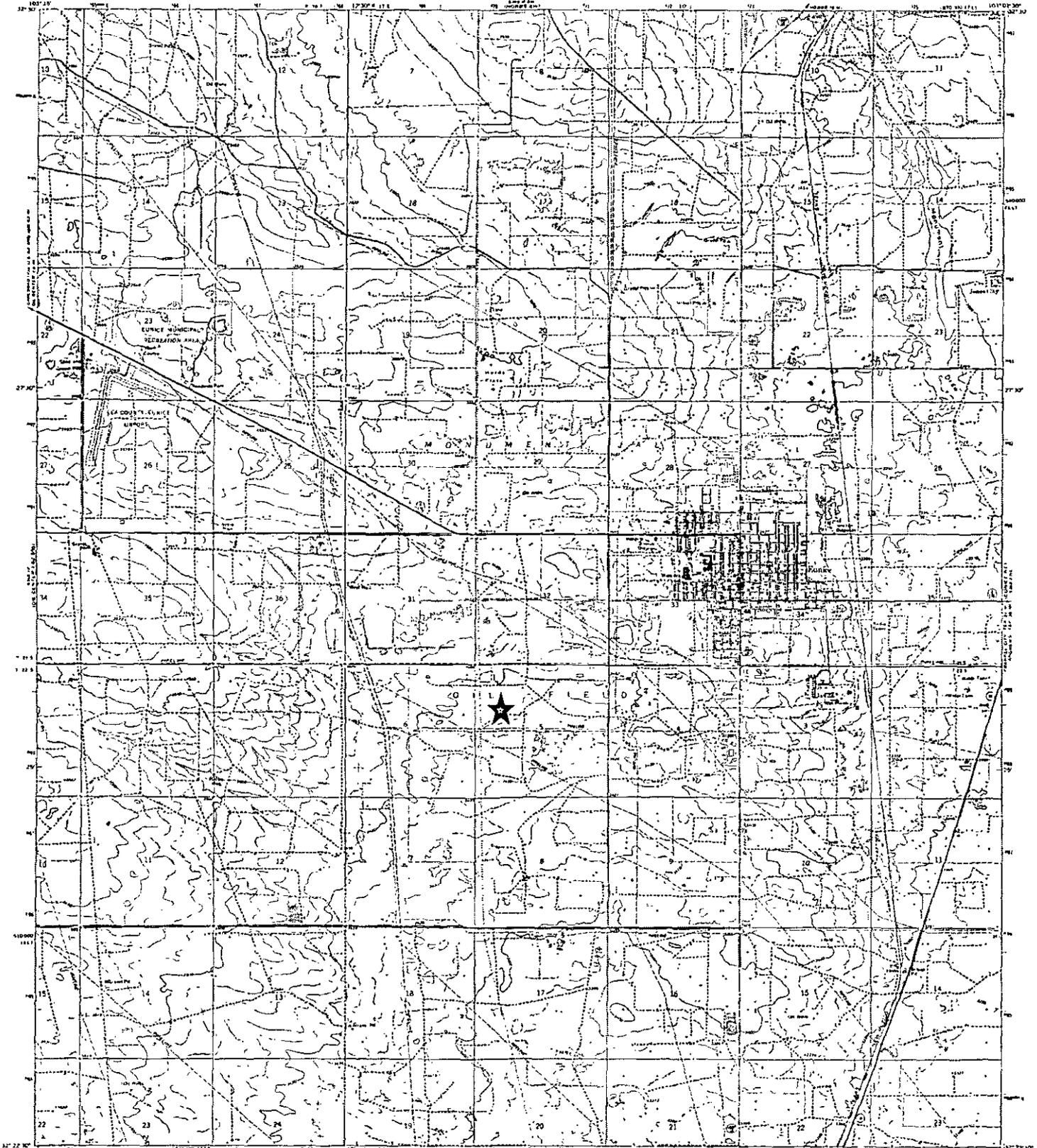
# Oxy

## Lee Stebbins A & B Battery

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

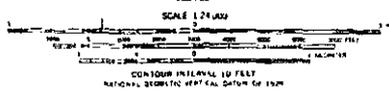


EUNICE QUADRANGLE  
NEW MEXICO-LEA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Maped and published by the Geological Survey  
Control by 1923 and 1924/ACM  
Topographic maps by the map-making method from aerial  
photography since 1928. The scale is 1:50,000.  
Horizontal projection. 1923 is the American datum.  
1924 is the datum of New Mexico and the system  
used here.  
1:50,000 contour interval. Contour interval 10 feet.  
and 1:50,000 scale.

THIS MAP IS A REPRODUCTION OF THE ORIGINAL MAP  
MADE BY THE GEOLOGICAL SURVEY OF THE UNITED STATES  
IN 1923. THE ORIGINAL MAP IS NOW IN THE POSSESSION OF  
THE NATIONAL ARCHIVES AND IS AVAILABLE FOR REPRODUCTION  
ON REQUEST.



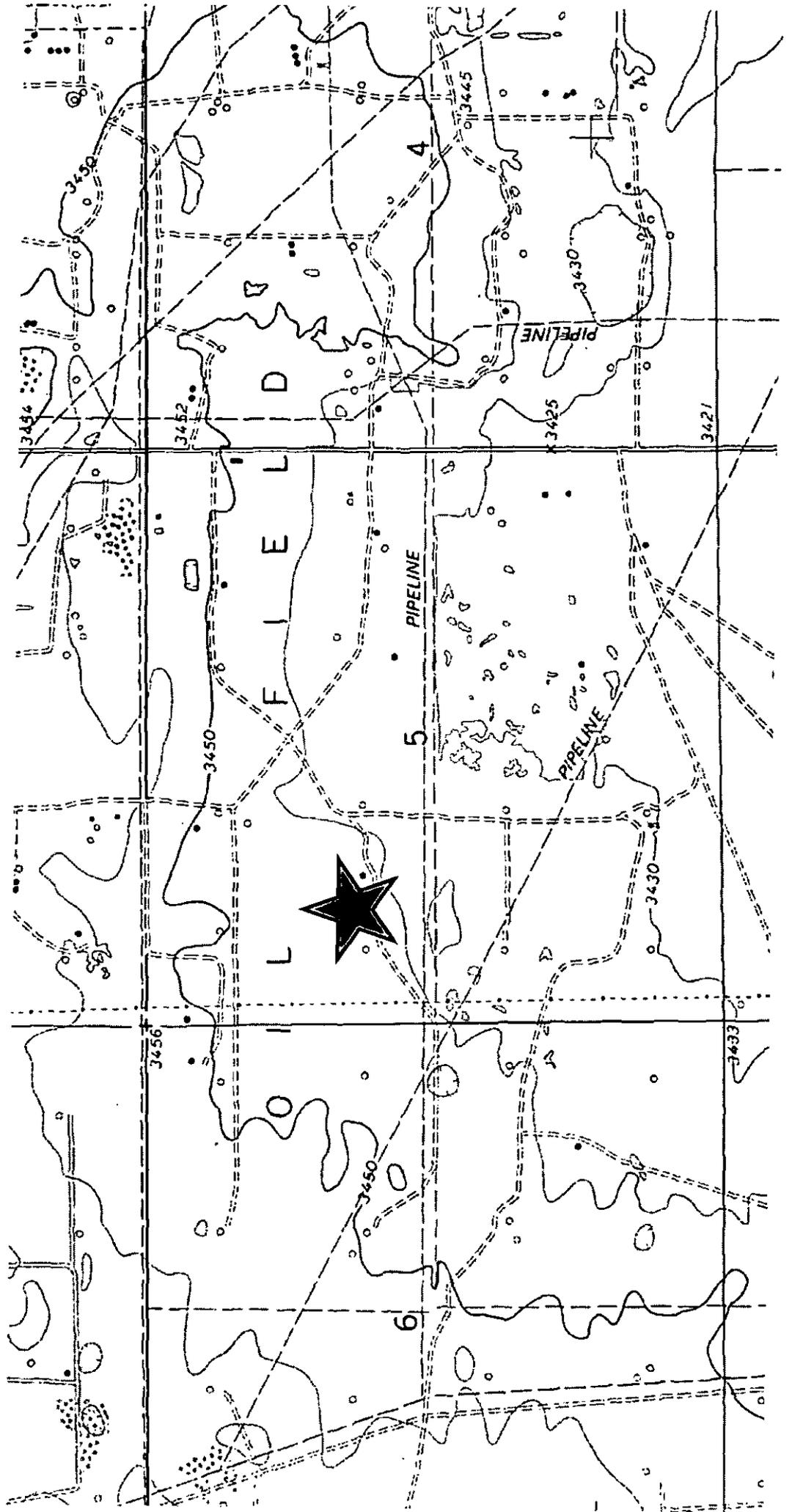
ROAD CLASSIFICATION	
Asphalt surface	Light duty road
Hard surface	Improved surface
Secondary highway	Unimproved road
Hard surface	Foot or city
	Highway
	Ship route

EUNICE, N. MEX.  
43225-5-10-20-1775  
1966  
PHOTOGRAPHIC SURVEY  
(M. S. 100-10000)



Oxy

Lee Stebbins A & B Battery





Laboratory Analytical Results Summary  
Lee Stebbins A B Battery

Analyte	Method	Sample		SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'
		Date		2/4/14 mg/Kg	2/4/14 mg/Kg	2/4/14 mg/Kg	2/4/14 mg/Kg
Benzene	BTEX 8021B			<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B			1.56	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			5.79	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			21.9	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			29.3	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M			521	<10.0	<10.0	<10.0
DRO	TPH 8015M			1940	10.3	<10.0	<10.0

Analyte	Method	Sample		SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 6'
		Date		2/4/14 mg/Kg	2/4/14 mg/Kg	2/4/14 mg/Kg	2/4/14 mg/Kg
Benzene	BTEX 8021B			<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B			1.33	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			3.56	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			25.2	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			30.1	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M			688	<10.0	<10.0	<10.0
DRO	TPH 8015M			2370	14.7	<10.0	<10.0



February 10, 2014

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: LEE STEBBINS A & B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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).

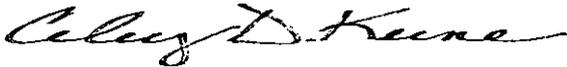
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 1' (H400352-01)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	1.56	0.500	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	5.79	0.500	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	21.9	1.50	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	29.3	3.00	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 160 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	521	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	1940	50.0	02/06/2014	ND	194	97.0	200	1.81		

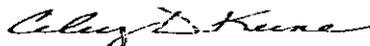
Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 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:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 3' (H400352-02)**

BTEX 80218		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 116% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
<b>DRO &gt;C10-C28</b>	<b>10.3</b>	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 95.7% 65.2-140

Surrogate: 1-Chlorooctadecane 99.5% 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.



Caley D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 5' (H400352-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

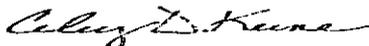
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 6' (H400352-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

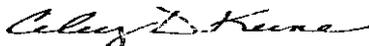
Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 1' (H400352-05)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/07/2014	ND	2.43	122	2.00	3.13		
Toluene*	1.33	0.500	02/07/2014	ND	2.40	120	2.00	2.55		
Ethylbenzene*	3.56	0.500	02/07/2014	ND	2.39	120	2.00	2.18		
Total Xylenes*	25.2	1.50	02/07/2014	ND	7.06	118	6.00	1.17		
<b>Total BTEX</b>	<b>30.1</b>	<b>3.00</b>	<b>02/07/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIC) 169 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	688	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	2370	50.0	02/06/2014	ND	194	97.0	200	1.81		

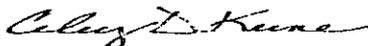
Surrogate: 1-Chlorooctane 154 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 3' (H400352-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/07/2014	ND	2.43	122	2.00	3.13		
Toluene*	<0.050	0.050	02/07/2014	ND	2.40	120	2.00	2.55		
Ethylbenzene*	<0.050	0.050	02/07/2014	ND	2.39	120	2.00	2.18		
Total Xylenes*	<0.150	0.150	02/07/2014	ND	7.06	118	6.00	1.17		
Total BTEX	<0.300	0.300	02/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
<b>DRO &gt;C10-C28</b>	<b>14.7</b>	10.0	02/06/2014	ND	194	97.0	200	1.81		

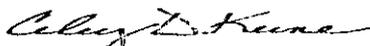
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.7 % 63.6-154

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\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 5' (H400352-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 6' (H400352-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 118 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

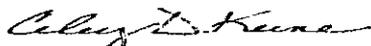
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

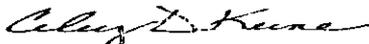
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             Samples not received at proper temperature 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

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Celey D. Keene, Lab Director/Quality Manager





**ARDINAL LABORATORIES**  
 101 East Marland, Hobbs, NM 88240  
 (505) 393-2326 FAX (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.		P.O. #:	BILLING								
Project Manager: Cliff Brunson		Company:									
Address: P.O. Box 805		Attn:									
City: Hobbs		State: NM	Zip: 88241								
Phone #: 575-397-6388		Address:									
Fax #: 575-397-0397		City:		DAME							
Project #:		State:		Zip:							
Project Name: LESTEBBING A & B BATT.		Phone #:									
Project Location:		Fax #:									
Sampler Name:		FOR LAB USE ONLY									
Lab I.D. H406352		Sample I.D.									
1 SP1e 1'		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CL-
2 SP1e 3'		G	1	GROUNDWATER			24.14	1029			
3 SP1e 5'		G	1	WASTEWATER			24.14	1055			
4 SP2e 1'		G	1	SOIL			24.14	1147			
5 SP2e 3'		G	1	OIL			24.14	1159			
6 SP1e 5'		G	1	SLUDGE			24.14	1259			
7 SP1e 6'		G	1	OTHER:			24.14	130			
8 SP1e 6'		G	1	ACID/BASE:			24.14	2:26			
				ICE / COOL			24.14	2:46			
				OTHER:							

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Relinquished By: *[Signature]* Date: 2.5.14  
 Received By: *[Signature]* Date: 2.8.14  
 Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS - Bus - Other: -0.82c  
 Sample Condition:  Cool  Intact  Pres  Yes  No

Phone Result:  Yes  No  No  No  
 Fax Result:  Yes  No  No  No

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#514



## Kathy Purvis

---

**From:** Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>  
**Sent:** Monday, February 24, 2014 7:32 AM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: Oxy-Lee Stebbins A & B Battery-Remediation Plan

Cliff

The above referenced remediation plan is approved per your submittal and our meeting of February 21, 2014. Thank you.

Geoffrey Leking  
Environmental Specialist  
NMOCD-Hobbs  
1625 N. French Drive  
Hobbs, NM 88240  
Office: (575) 393-6161 Ext. 113  
Cell: (575) 399-2990  
email: [geoffreyr.leting@state.nm.us](mailto:geoffreyr.leting@state.nm.us)

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Sunday, February 23, 2014 5:59 PM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Oxy-Lee Stebbins A & B Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on February 21, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1.5 feet across the entire leak area as depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*



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\*\*\*\*\*



**Kathy Purvis**

---

**From:** Van Curen, Jennifer <jvancure@blm.gov>  
**Sent:** Monday, February 24, 2014 7:21 AM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: Oxy-Lee Stebbins A & B Battery-Remediation Plan

Approved

JENNIFER E VAN CUREN  
ENVIRONMENTAL PROTECTION SPECIALIST  
DOI-BLM-CARLSBAD FIELD OFFICE  
320 E GREENE ST. CARLSBAD, NM 88220  
OFFICE- 575-234-5905  
CELL - 575-361-0042  
FAX - 575-234-5927

On Sun, Feb 23, 2014 at 5:57 PM, Cliff P. Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:  
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoff Leking of the NMOCD. Oxy will excavate to a depth of 1.5 feet across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

\*\*\*\*\*

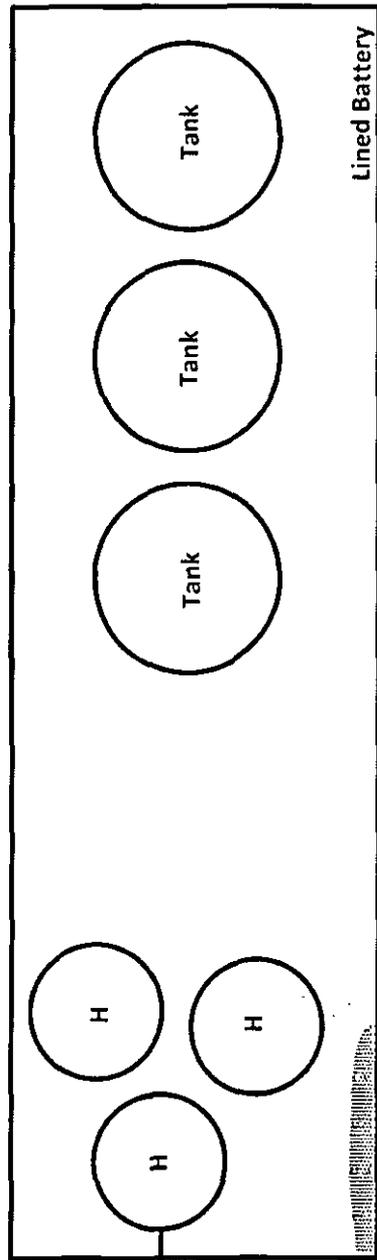
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\*\*\*\*\*



Oxy

Lee Stebbins A & B Battery



U/L E, Section 5, T 22S, R37E  
Lea County, NM  
GPS at stake:  
N 32.42281° W 103.18983°

BBC International, Inc.	
Oxy	
Lee Stebbins A & B Battery	
Date: 12/19/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013





Section Quarters

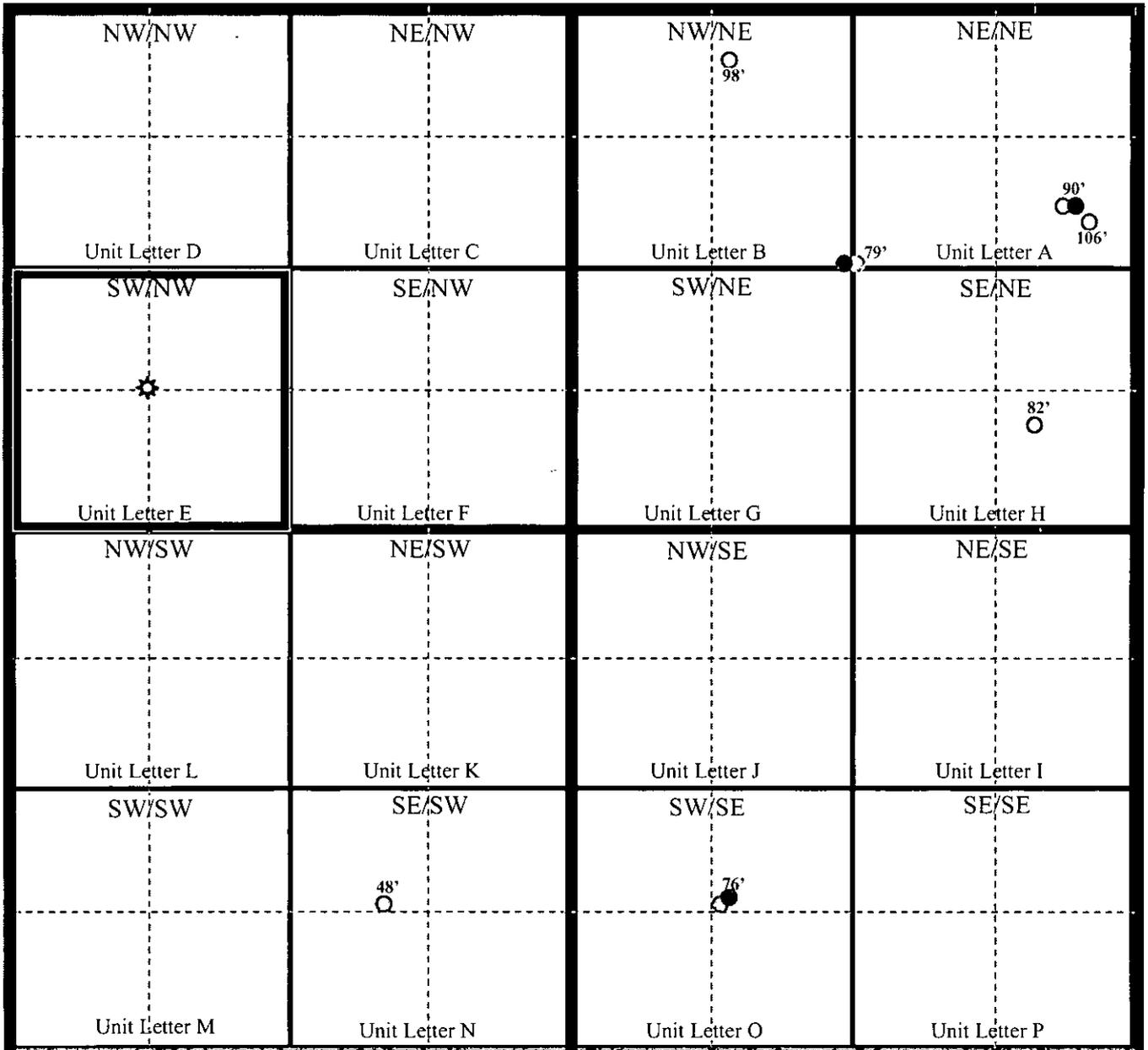
Oxy Lee Stebbins A&B Battery

<b>County</b> Lea	<b>Unit Letter</b> E	<b>Section</b> 5	<b>Township</b> 22S	<b>Range</b> 37E
----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map 50'-75'

1

2



3

4

\* Location     
 ● OCD     
 ● USGS     
 ● SEO     
 ● All Databases



Laboratory Analytical Results Summary  
Lee Stebbins A B Battery

Analyte	Method	Sample		SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'
		Date	2/4/14	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B			<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B			1.56	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			5.79	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			21.9	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			29.3	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M			521	<10.0	<10.0	<10.0
DRO	TPH 8015M			1940	10.3	<10.0	<10.0

Analyte	Method	Sample		SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 6'
		Date	2/4/14	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B			<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B			1.33	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			3.56	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			25.2	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			30.1	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M			688	<10.0	<10.0	<10.0
DRO	TPH 8015M			2370	14.7	<10.0	<10.0





February 10, 2014

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: LEE STEBBINS A & B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,

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

Celey D. Keene  
Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 1' (H400352-01)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	1.56	0.500	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	5.79	0.500	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	21.9	1.50	02/06/2014	ND	6.32	105	6.00	0.682		
<b>Total BTEX</b>	<b>29.3</b>	<b>3.00</b>	<b>02/06/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 160 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	521	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	1940	50.0	02/06/2014	ND	194	97.0	200	1.81		

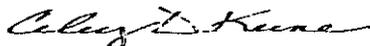
Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 3' (H400352-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
<b>DRO &gt;C10-C28</b>	<b>10.3</b>	10.0	02/06/2014	ND	194	97.0	200	1.81		

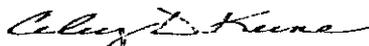
Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 5' (H400352-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

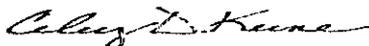
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 6' (H400352-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

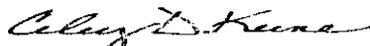
Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 1' (H400352-05)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/07/2014	ND	2.43	122	2.00	3.13		
Toluene*	1.33	0.500	02/07/2014	ND	2.40	120	2.00	2.55		
Ethylbenzene*	3.56	0.500	02/07/2014	ND	2.39	120	2.00	2.18		
Total Xylenes*	25.2	1.50	02/07/2014	ND	7.06	118	6.00	1.17		
<b>Total BTEX</b>	<b>30.1</b>	<b>3.00</b>	<b>02/07/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIC) 169 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	688	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	2370	50.0	02/06/2014	ND	194	97.0	200	1.81		

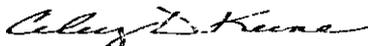
Surrogate: 1-Chlorooctane 154 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 3' (H400352-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/07/2014	ND	2.43	122	2.00	3.13		
Toluene*	<0.050	0.050	02/07/2014	ND	2.40	120	2.00	2.55		
Ethylbenzene*	<0.050	0.050	02/07/2014	ND	2.39	120	2.00	2.18		
Total Xylenes*	<0.150	0.150	02/07/2014	ND	7.06	118	6.00	1.17		
Total BTEX	<0.300	0.300	02/07/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
<b>DRO &gt;C10-C28</b>	<b>14.7</b>	10.0	02/06/2014	ND	194	97.0	200	1.81		

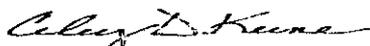
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.7 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 5' (H400352-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 118 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

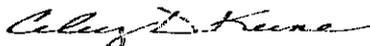
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 6' (H400352-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13		
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10		
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89		
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95		
Total BTEX	<0.300	0.300	02/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

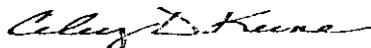
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

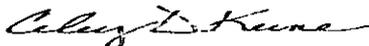
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             Samples not received at proper temperature 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

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\*=Accredited Analyte

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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**

**ANALYSIS REQUEST**

Company Name: <b>BBC International, Inc.</b>		P.O. #:		BILL TO	
Project Manager: <b>Cliff Brunson</b>		Company:			
Address: <b>P.O. Box 805</b>		Attn:			
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88241</b>		Address:			
Phone #: <b>575-397-6388</b> Fax #: <b>575-397-0397</b>		City:		<b>DAME</b>	
Project #: _____ Project Owner:		State:		Zip:	
Project Name: <b>LEE STEBBINS A &amp; B BATT.</b>		Phone #:			
Project Location:		Fax #:			
Sampler Name:		FOR LAB USE ONLY			
Lab I.D. <b>Sample I.D.</b>		MATRIX		PRESERV	
H400352		GROUNDWATER		DATE	
1 SPIE 1'		WASTEWATER		TIME	
2 SPIE 3'		SOIL		24.14 1029	
3 SPIE 5'		OIL		24.14 1055	
4 SPIE 6'		SLUDGE		24.14 1147	
5 SPIE 1'		OTHER:		24.14 1159	
6 SPIE 3'		ACID/BASE:		24.14 1259	
7 SPIE 5'		ICE / COOL		24.14 130	
8 SPIE 6'		OTHER:		24.14 2:26	
				24.14 2:46	
				TPH	
				BTEX	
				CL-	

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Relinquished By: *[Signature]* Date: **2.5.14** Received By: *[Signature]* Date: **2.8.14**  
 Time: \_\_\_\_\_

Delivered By: (Circle One) **-D.82** Sample Condition:  Cool  Intact  Pres  Yes  No  No  No  
 Sampler - UPS - Bus - Other: **#514** CHECKED BY: *[Signature]*

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

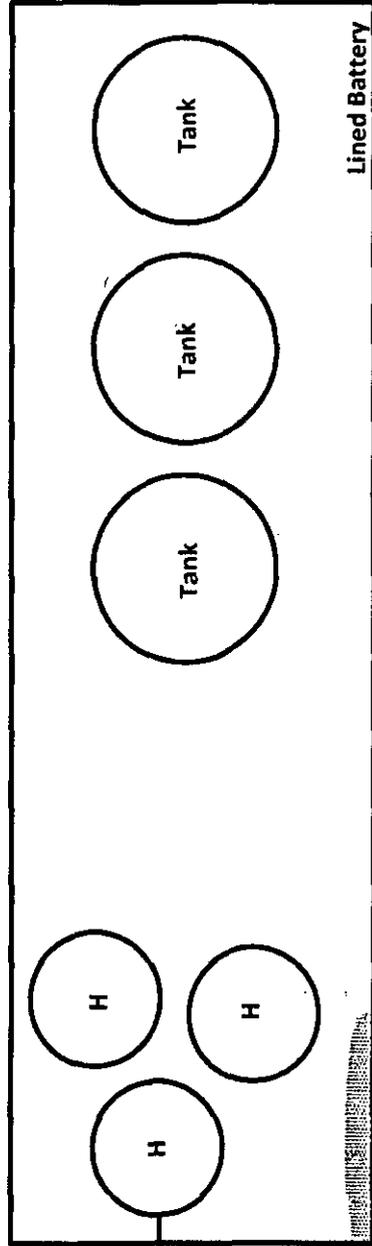




Oxy  
Lee Stebbins A & B Battery

HOBBS OCD  
FEB 23 2014

RECEIVED



*approved*  
**Stebbins Stebbins**  
 Environmental Specialist  
 NMOCD - DIST 1  
 2/24/14

U/L E, Section 5, T 22S, R37E  
 Lea County, NM  
 GPS at stake:  
 N 32.42281° W 103.18983°

BBC International, Inc.	
Oxy	
Lee Stebbins A & B Battery	
Date: 12/19/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013

Handwritten text, possibly a signature or name, located in the lower-left quadrant of the page.

Small handwritten marks or characters located in the upper-right quadrant of the page.



Section Quarters

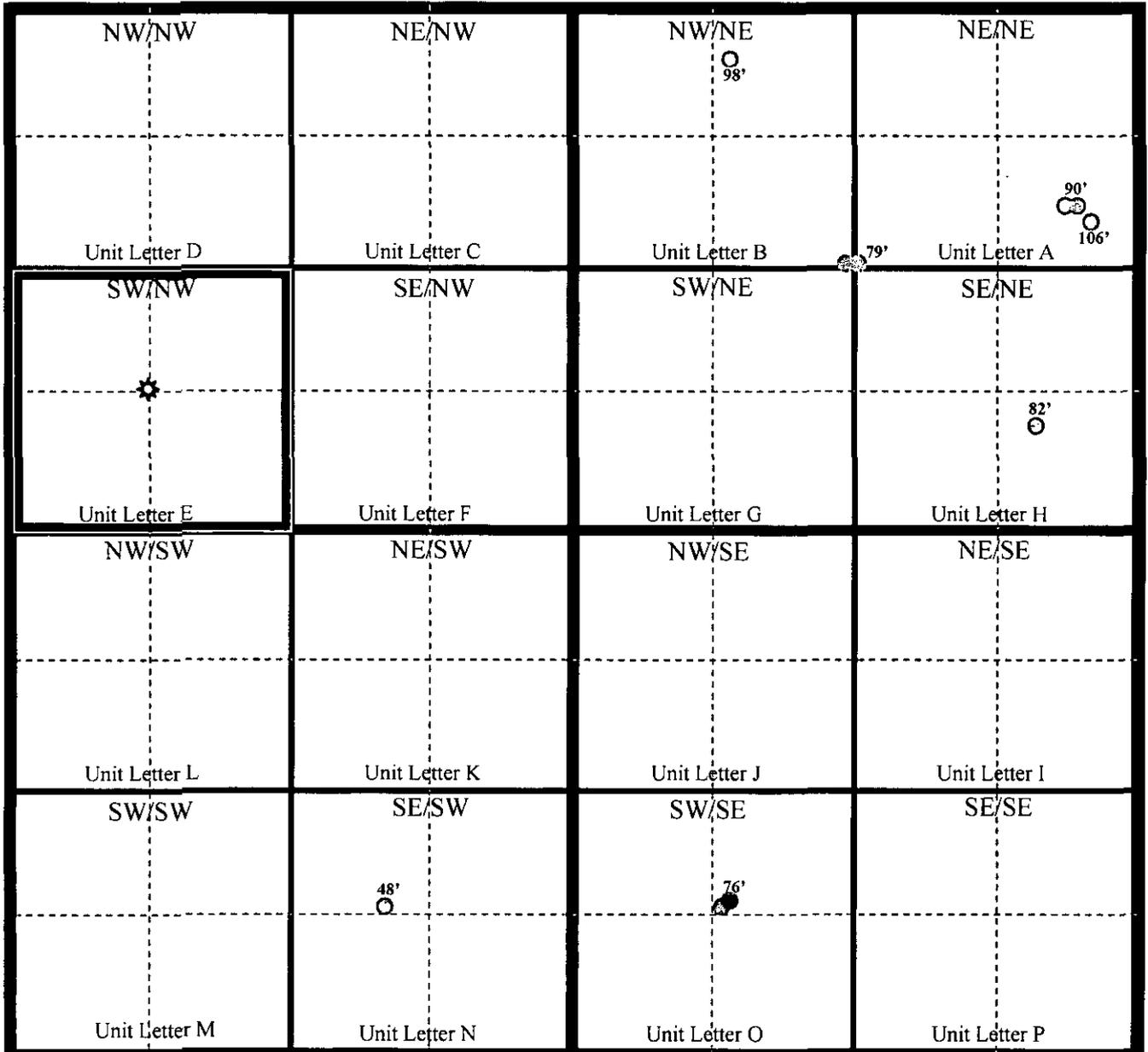
Oxy Lee Stebbins A&B Battery

<b>County</b> Lea	<b>Unit Letter</b> E	<b>Section</b> 5	<b>Township</b> 22S	<b>Range</b> 37E
----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map 50'-75'

1

2



3

4

\* Location      • OCD      • USGS      ○ SEO      • All Databases



**Laboratory Analytical Results Summary**  
**Lee Stebbins A B Battery**

Analyte	Method	SP1 @ 1'		SP1 @ 3'		SP1 @ 5'		SP1 @ 6'	
		Date	2/4/14 mg/Kg						
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.56	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		5.79	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		21.9	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		29.3	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		521	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		1940	10.3	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	SP2 @ 1'		SP2 @ 3'		SP2 @ 5'		SP2 @ 6'	
		Date	2/4/14 mg/Kg						
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.33	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		3.56	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		25.2	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		30.1	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		688	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		2370	14.7	<10.0	<10.0	<10.0	<10.0	<10.0



February 10, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LEE STEBBINS A & B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/05/14 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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).

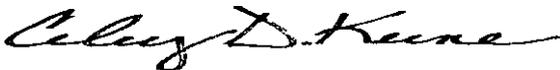
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 1' (H400352-01)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/06/2014	ND	2.25	113	2.00	1.30		
<b>Toluene*</b>	<b>1.56</b>	0.500	02/06/2014	ND	2.20	110	2.00	1.10		
<b>Ethylbenzene*</b>	<b>5.79</b>	0.500	02/06/2014	ND	2.18	109	2.00	0.773		
<b>Total Xylenes*</b>	<b>21.9</b>	1.50	02/06/2014	ND	6.32	105	6.00	0.682		
<b>Total BTEX</b>	<b>29.3</b>	3.00	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 160 % 89.4-126

Chloride, SM4500C-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	
<b>GRO C6-C10</b>	<b>521</b>	50.0	02/06/2014	ND	201	100	200	2.25		
<b>DRO &gt;C10-C28</b>	<b>1940</b>	50.0	02/06/2014	ND	194	97.0	200	1.81		

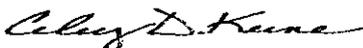
Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 3' (H400352-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30	
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682	
Total BTEX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25	
<b>DRO &gt;C10-C28</b>	<b>10.3</b>	10.0	02/06/2014	ND	194	97.0	200	1.81	

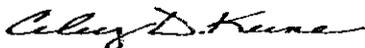
Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 5' (H400352-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30		
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773		
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682		
Total BTEX	<0.300	0.300	02/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) .115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 1 @ 6' (H400352-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2014	ND	2.25	113	2.00	1.30	
Toluene*	<0.050	0.050	02/06/2014	ND	2.20	110	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/06/2014	ND	2.18	109	2.00	0.773	
Total Xylenes*	<0.150	0.150	02/06/2014	ND	6.32	105	6.00	0.682	
Total BTEX	<0.300	0.300	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81	

Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 1' (H400352-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/07/2014	ND	2.43	122	2.00	3.13		
Toluene*	1.33	0.500	02/07/2014	ND	2.40	120	2.00	2.55		
Ethylbenzene*	3.56	0.500	02/07/2014	ND	2.39	120	2.00	2.18		
Total Xylenes*	25.2	1.50	02/07/2014	ND	7.06	118	6.00	1.17		
<b>Total BTEX</b>	<b>30.1</b>	<b>3.00</b>	<b>02/07/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIL) 169 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/07/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	688	50.0	02/06/2014	ND	201	100	200	2.25		
DRO >C10-C28	2370	50.0	02/06/2014	ND	194	97.0	200	1.81		

Surrogate: 1-Chlorooctane 154 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 3' (H400352-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2014	ND	2.43	122	2.00	3.13	
Toluene*	<0.050	0.050	02/07/2014	ND	2.40	120	2.00	2.55	
Ethylbenzene*	<0.050	0.050	02/07/2014	ND	2.39	120	2.00	2.18	
Total Xylenes*	<0.150	0.150	02/07/2014	ND	7.06	118	6.00	1.17	
Total BTEX	<0.300	0.300	02/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/07/2014	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	02/06/2014	ND	201	100	200	2.25	
<b>DRO &gt;C10-C28</b>	<b>14.7</b>	10.0	02/06/2014	ND	194	97.0	200	1.81	

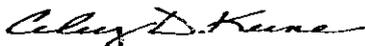
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.7 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 5' (H400352-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	<0.300	0.300	02/10/2014	ND					

*Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/07/2014	ND	416	104	400	0.00	

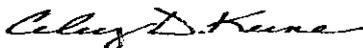
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81	

*Surrogate: 1-Chlorooctane 94.1 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154*

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	02/05/2014	Sampling Date:	02/04/2014
Reported:	02/10/2014	Sampling Type:	Soil
Project Name:	LEE STEBBINS A & B BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: SP 2 @ 6' (H400352-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2014	ND	2.28	114	2.00	3.13	
Toluene*	<0.050	0.050	02/10/2014	ND	2.24	112	2.00	3.10	
Ethylbenzene*	<0.050	0.050	02/10/2014	ND	2.23	111	2.00	2.89	
Total Xylenes*	<0.150	0.150	02/10/2014	ND	6.50	108	6.00	2.95	
Total BTEX	<0.300	0.300	02/10/2014	ND					

*Surrogate: 4-Bromofluorobenzene (PIE) 118 % 89.4-126*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/07/2014	ND	416	104	400	0.00	

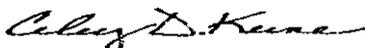
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2014	ND	201	100	200	2.25	
DRO >C10-C28	<10.0	10.0	02/06/2014	ND	194	97.0	200	1.81	

*Surrogate: 1-Chlorooctane 88.4 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154*

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Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

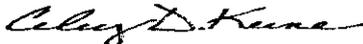
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature 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

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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**

1/21

Company Name: <b>BBC International, Inc.</b>		P.O. #:	ANALYSIS REQUEST	
Project Manager: <b>Cliff Brunson</b>		Company:		
Address: <b>P.O. Box 805</b>		Attn:		
City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88241</b>		Address:		
Phone #: <b>575-397-6388</b> Fax #: <b>575-397-0397</b>		City:	<b>DAME</b>	
Project #:		State:	Zip:	
Project Name: <b>LEESTEBBING A&amp;B BATT.</b>		Phone #:		
Project Location:		Fax #:		
Sampler Name:				
FOR LAB USE ONLY				
Lab I.D. <b>H400352</b>	Sample I.D.			
1	SPIE 1'	(G)RAB OR (C)OMP.		
2	3'	# CONTAINERS		
3	5'	GROUNDWATER		
4	6'	WASTEWATER		
5	SPT 1'	SOIL		
6	3'	OIL		
7	5'	SLUDGE		
8	6'	OTHER:		
		ACID/BASE:		
		ICE / COOL		
		OTHER:		
		DATE		
		TIME		
		TPH		
		BTEX		
		CL-		

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Relinquished By: **[Signature]** Date: **2/5/14** Time: **8:35**

Received By: **Michael Johnson**

Relinquished By: **[Signature]** Date: **2/5/14** Time: **8:35**

Received By: **[Signature]**

Delivered By: (Circle One) **-0.80c**

Sampler - UPS - Bus - Other: **-0.80c**

Sample Condition: Cool  Intact  Yes  No

CHECKED BY: **[Signature]**

Phone Result:  Yes  No Add'l Phone #: **#514**

Fax Result:  Yes  No Add'l Fax #: **#514**

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2326

