

HOBBS OCD

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
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 W 103.19°

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.*

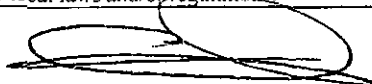
Describe Cause of Problem and Remedial Action Taken.*

The gas sales line froze and popped off 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:				OIL CONSERVATION DIVISION	
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:	Attached <input type="checkbox"/>
Date:	4-15-14			Phone:	(575) 397-8216

* Attach Additional Sheets If Necessary

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

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Revised August 8, 2011

APR 22 2014 Unit I Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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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 W 103.19°

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.

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The affected areas are approximately 3' x 15' on location and 9' x 16' off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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OIL CONSERVATION DIVISION

Signature:

Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: Chancey.Summers@oxy.com

Date: 12-19-13 Phone: (575) 397-8216

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

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1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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Form C-141
Revised August 8, 2011

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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 W 103.19°

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		
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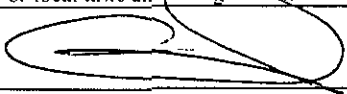
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Signature:



Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: Chancey.Summers@oxy.com

Date: 12-19-13

Phone: (575) 397-8216

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

Closure Report

HOBBS OCD
PJXK1535156518
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.

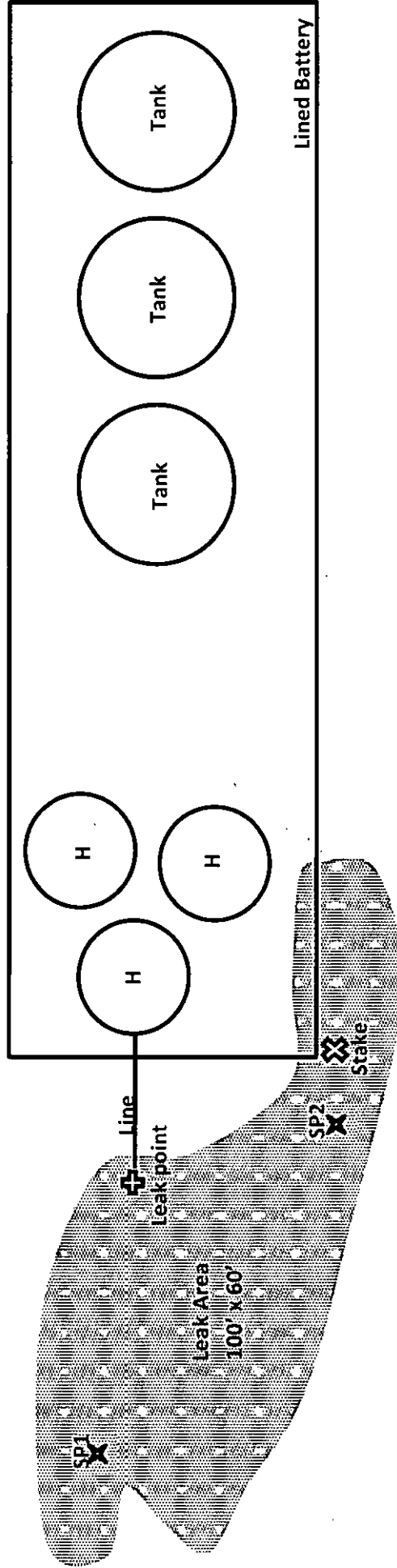
04/18/2014

DEC 22 2015



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

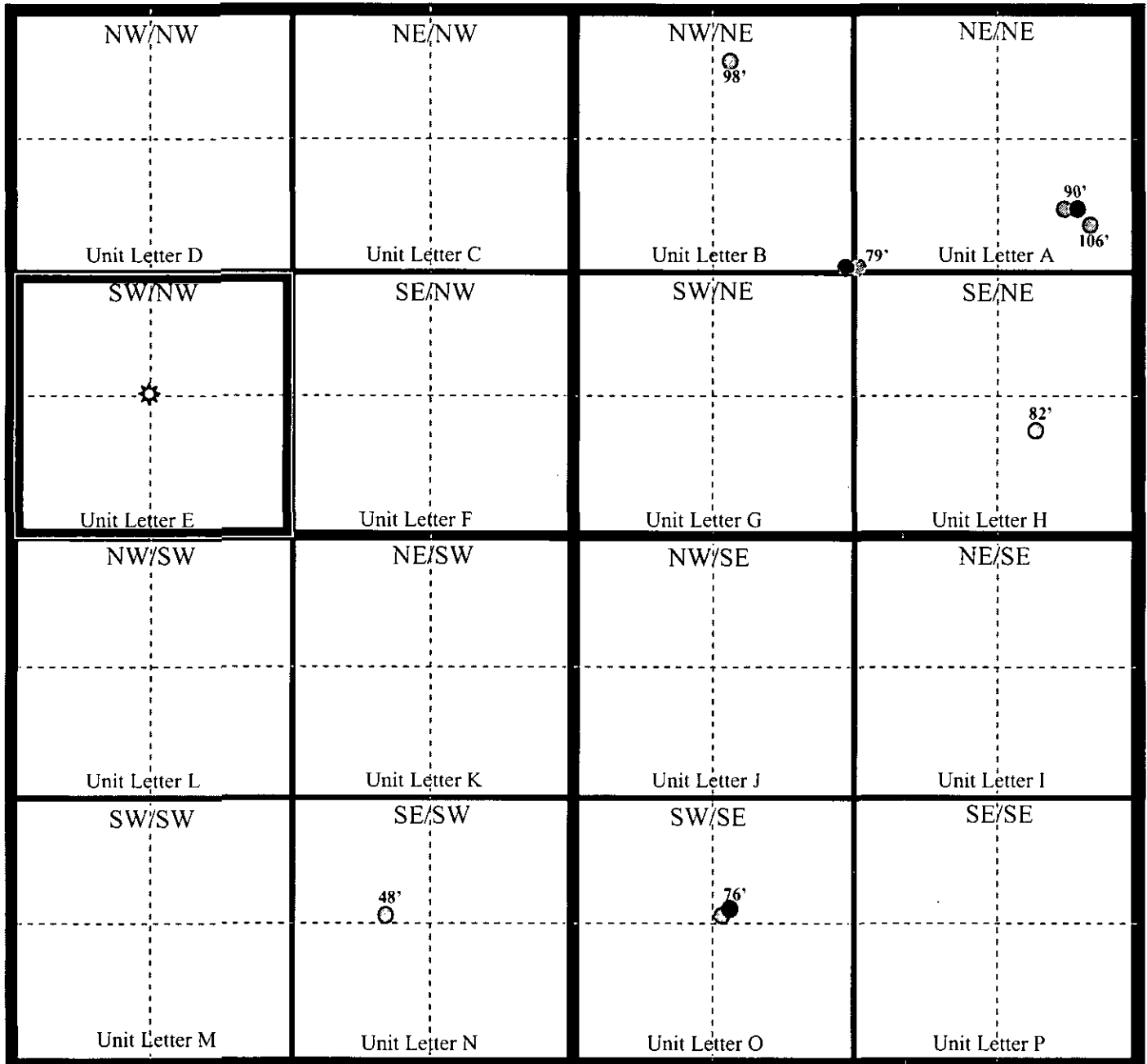
Oxy Lee Stebbins A&B Battery

County Lea Unit Letter E Section 5 Township 22S Range 37E

Trend Map 50'-75'

1

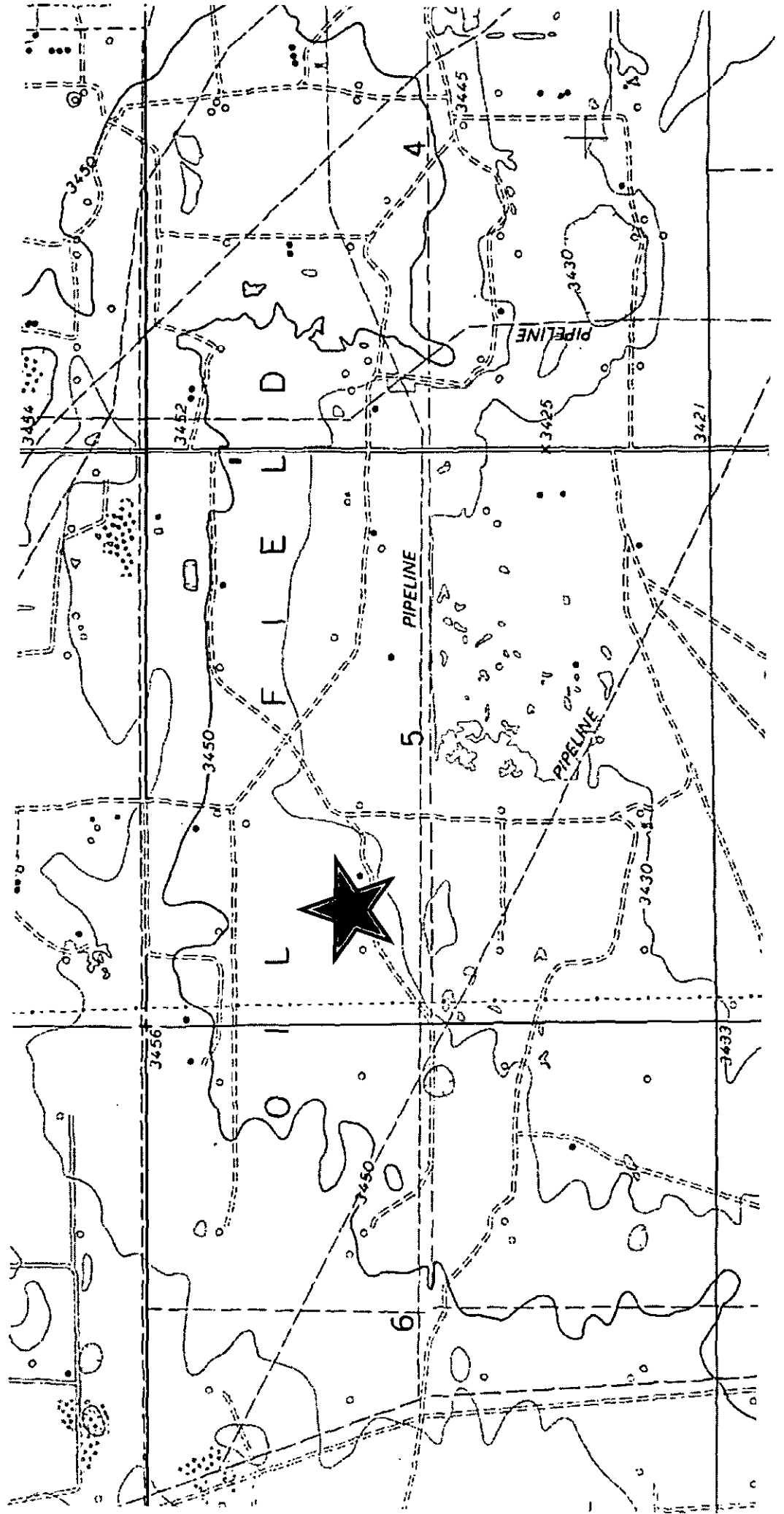
2



3

4

Oxy
Lee Stebbins A & B Battery



Laboratory Analytical Results Summary
Lee Stebbins A B Battery

Analyte	Method	Sample Date	SP1 @ 1' mg/Kg	SP1 @ 3' mg/Kg	SP1 @ 5' mg/Kg	SP1 @ 6' 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 Date	SP2 @ 1' mg/Kg	SP2 @ 3' mg/Kg	SP2 @ 5' mg/Kg	SP2 @ 6' 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.

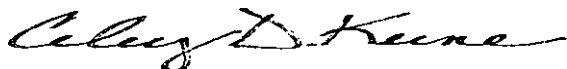
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

BTX 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 BTX	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	

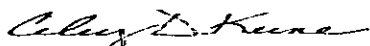
Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
DRO >C10-C28	10.3	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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Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 02/05/2014
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	

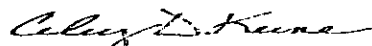
Surrogate: 1-Chlorooctane 101 % 65.2-140

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	

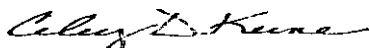
Surrogate: 1-Chlorooctane 96.4 % 65.2-140

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
Total BTEX	30.1	3.00	02/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 169 % 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					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	

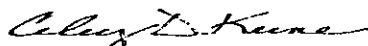
Surrogate: 1-Chlorooctane 154 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

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*=Accredited Analyte

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Celest 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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
DRO >C10-C28	14.7	10.0	02/06/2014	ND	194	97.0	200	1.81	

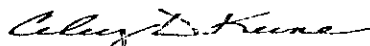
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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, 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	

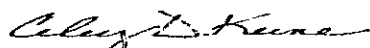
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

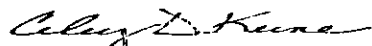
Notes and Definitions

- 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

1/21

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST																																							
Project Manager: Cliff Brunson		Company:																																									
Address: P.O. Box 805		Attn:																																									
City: Hobbs		State: NM Zip: 88241																																									
Phone #: 575-397-6388		Fax #: 575-397-0397																																									
Project #:		Project Owner:																																									
Project Name: LEE STEBBINS A&B BATT.		State: Zip: CA ME																																									
Project Location:		City: Phone #:																																									
Sample Name:		Fax #:																																									
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING																																					
Lab I.D.		Sample I.D.		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
H400352		SP10 1'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		1024		V		V		V		TPH											
1		SP10 3'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		1055		V		V		V		BTEX											
2		SP10 5'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		1147		V		V		V		CL-											
3		SP10 6'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		1159		V		V		V													
4		SP10 1'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		1254		V		V		V													
5		SP10 3'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		130		V		V		V													
6		SP10 5'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		2:26		V		V		V													
7		SP10 6'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		246		V		V		V													
8		SP10 6'		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		G 1		2.4.14		246		V		V		V													

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Relinquished By: <i>[Signature]</i>	Date: 2.5.14	Received By: <i>[Signature]</i>	Date: 2.5.14
Time: 8:35	Time: 8:35	Time: 8:35	Time: 8:35

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: ☐ -0.80

Sample Condition: ☒ Cool ☐ Intact ☐ Pres ☐ Yes ☐ No

CHECKED BY: *[Signature]*

REMARKS: *#54*

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

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

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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> 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

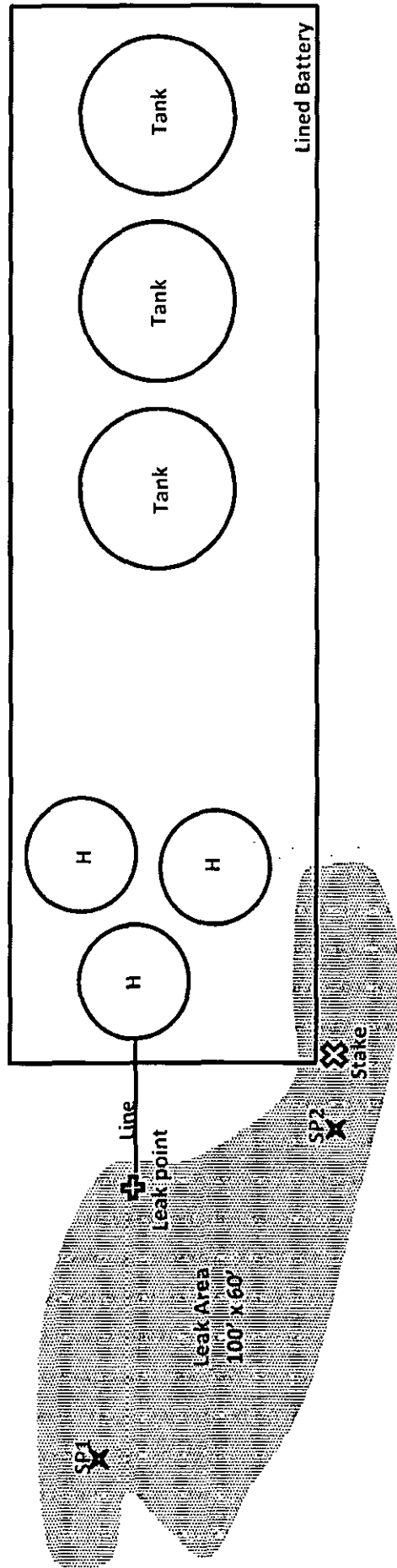
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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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

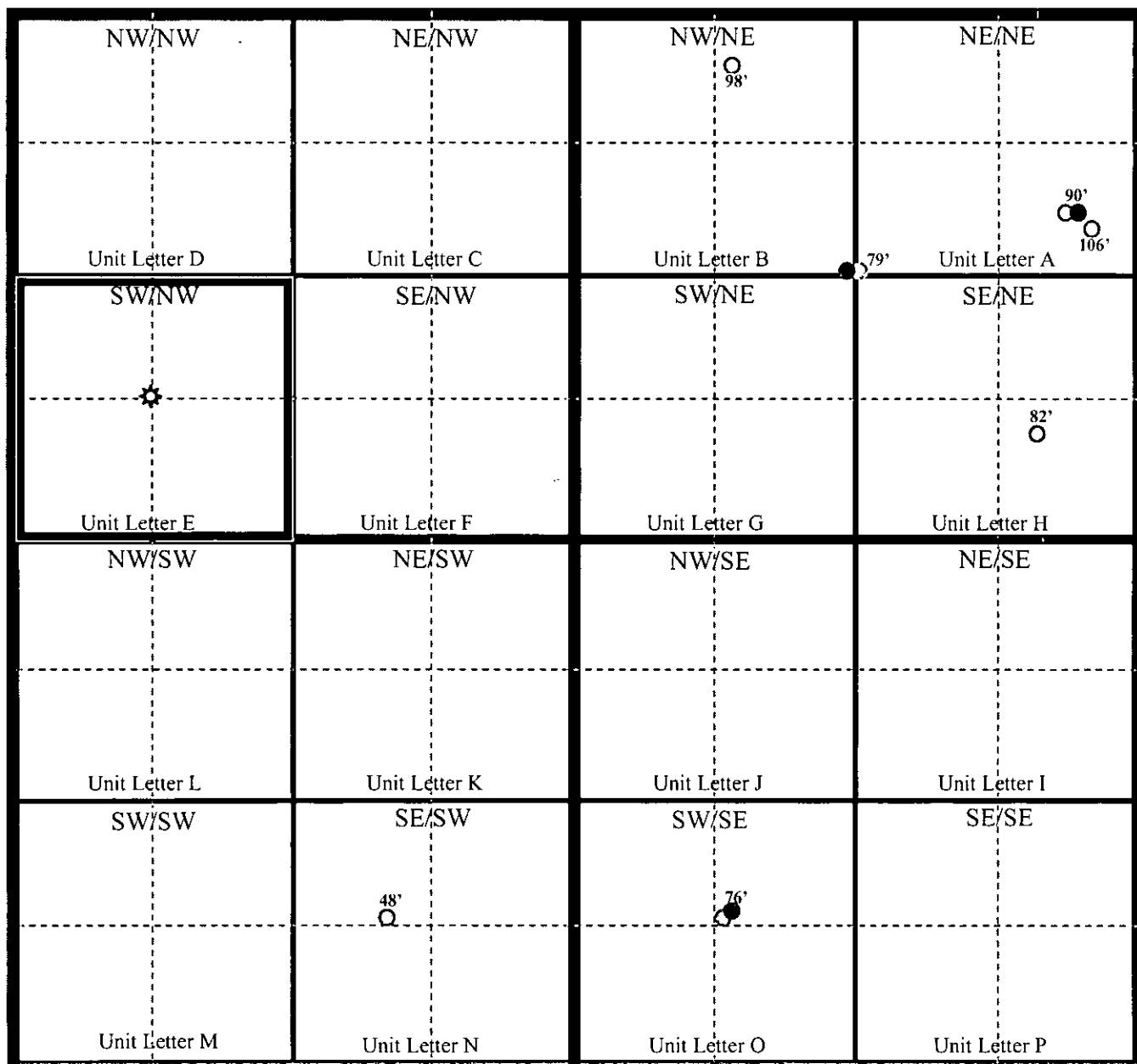
Oxy Lee Stebbins A&B Battery

County Lea Unit Letter E Section 5 Township 22S Range 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 Date	SP1 @ 1' 2/4/14 mg/Kg	SP1 @ 3' 2/4/14 mg/Kg	SP1 @ 5' 2/4/14 mg/Kg	SP1 @ 6' 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	SM4500CLB		<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 Date	SP2 @ 1' 2/4/14 mg/Kg	SP2 @ 3' 2/4/14 mg/Kg	SP2 @ 5' 2/4/14 mg/Kg	SP2 @ 6' 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	SM4500CLB		<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.

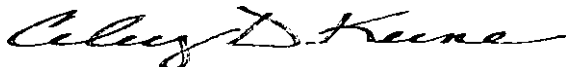
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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	

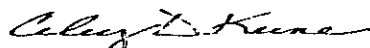
Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
DRO >C10-C28	10.3	10.0	02/06/2014	ND	194	97.0	200	1.81	

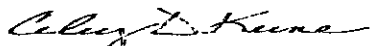
Surrogate: 1-Chlorooctane 95.7 % 65.2-140

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
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	

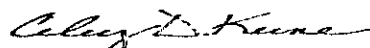
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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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
 Reported: 02/10/2014
 Project Name: LEE STEBBINS A & B BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 02/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

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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
 Reported: 02/10/2014
 Project Name: LEE STEBBINS A & B BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 02/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

BTX 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	
Total BTX	30.1	3.00	02/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	

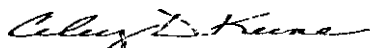
Surrogate: 1-Chlorooctane 154 % 65.2-140

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
 Reported: 02/10/2014
 Project Name: LEE STEBBINS A & B BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 02/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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		
DRO >C10-C28	14.7	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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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
 Reported: 02/10/2014
 Project Name: LEE STEBBINS A & B BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 02/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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	

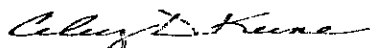
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.8 % 63.6-154

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
 Reported: 02/10/2014
 Project Name: LEE STEBBINS A & B BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 02/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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, 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 % 65.2-110

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

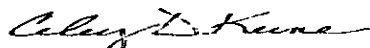
Notes and Definitions

- 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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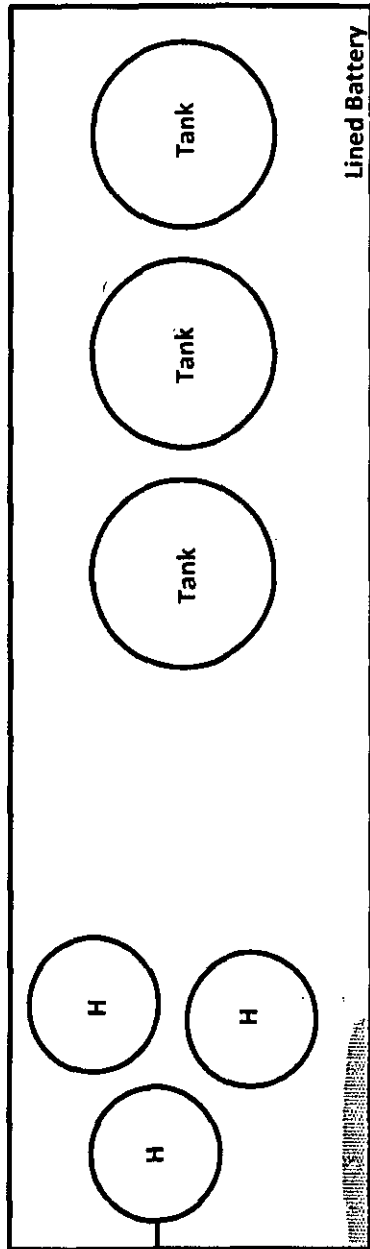


Oxy
Lee Stebbins A & B Battery

HOBBS OGD

FEB 23 2014

RECEIVED



Lined Battery

approved
Jeffrey 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

100

100



Section Quarters

Oxy Lee Stebbins A&B Battery

County
Lea

Unit Letter
E

Section
5

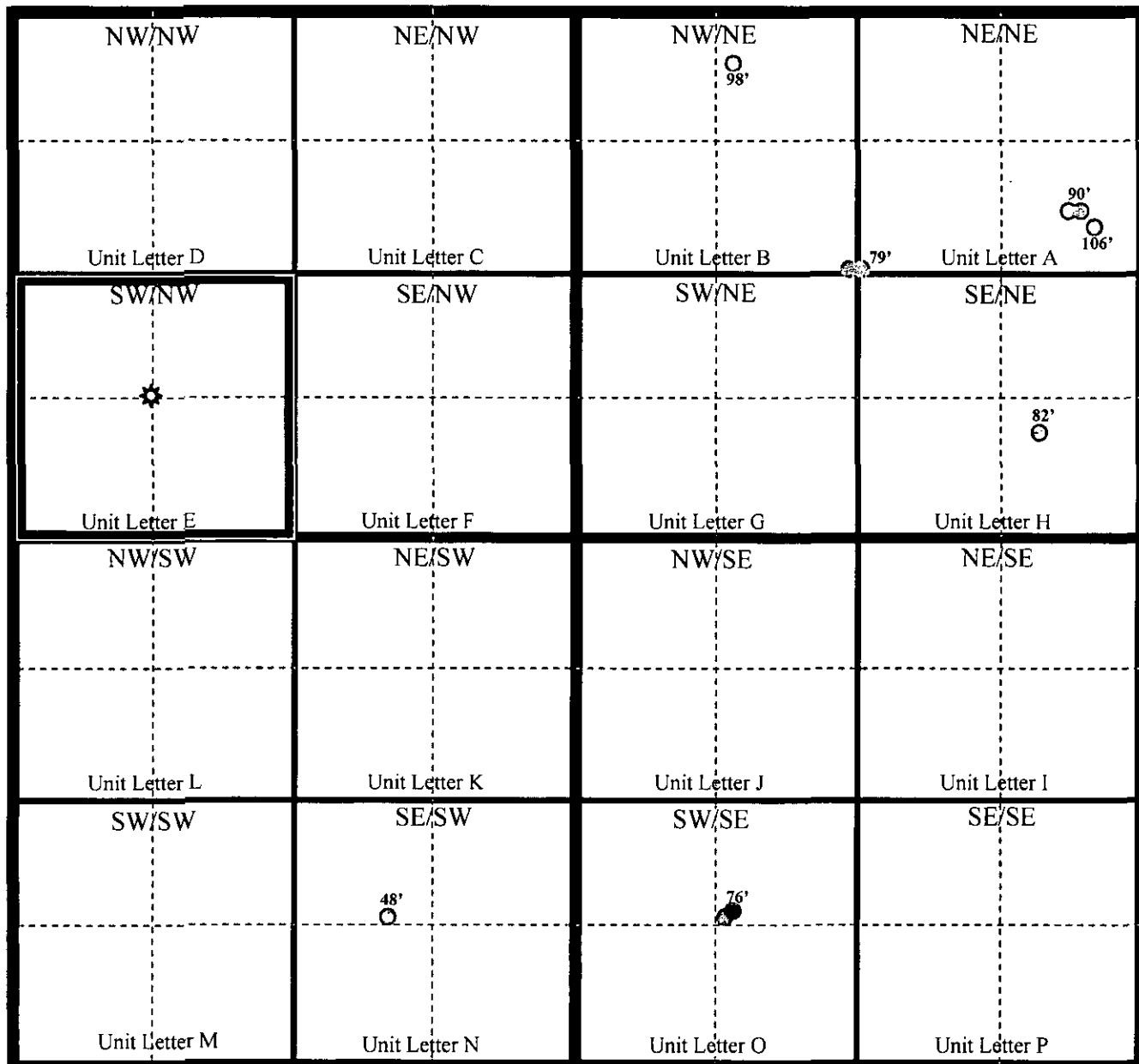
Township
22S

Range
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	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.

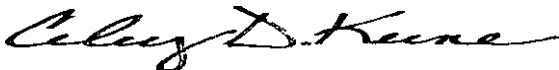
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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)

BTX 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 BTX	29.3	3.00	02/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 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

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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)

BTX 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 BTX	<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	
DRO >C10-C28	10.3	10.0	02/06/2014	ND	194	97.0	200	1.81	

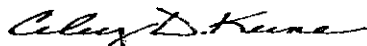
Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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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)

BTX 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 BTX	<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

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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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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)

BTX 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	
Total BTX	30.1	3.00	02/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 169 % 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				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	

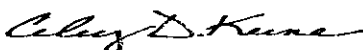
Surrogate: 1-Chlorooctane 154 % 65.2-140

Surrogate: 1-Chlorooctadecane 148 % 63.6-154

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

Received: 02/05/2014
Reported: 02/10/2014
Project Name: LEE STEBBINS A & B BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 02/04/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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	
DRO >C10-C28	14.7	10.0	02/06/2014	ND	194	97.0	200	1.81	

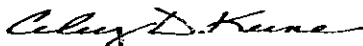
Surrogate: 1-Chlorooctane 94.1 % 65.2-140

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)

BTX 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 BTX	<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 % 63.2-140

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	

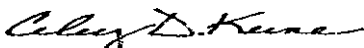
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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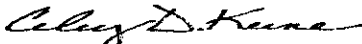
Notes and Definitions

- 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: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		Company:													
Address: P.O. Box 805		Attn:													
City: Hobbs		Address:													
Phone #: 575-397-6388		City: DANE													
Fax #: 575-397-0397		State: NM Zip: 88241													
Project #:		Project Owner:													
Project Name: LEE STEBBINS A&B BATT.		State: Zip:													
Project Location:		Phone #:													
Sampler Name:		Fax #:													
FOR LAB USE ONLY															
Lab I.D. H406352		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX		PRESERV		SAMPLING			
								GROUNDWATER							
								WASTEWATER							
								SOIL							
								OIL							
								SLUDGE							
								OTHER:							
								ACID/BASE:							
								ICE / COOL							
								OTHER:							
								DATE		TIME					
1		SP10 1'		G 1		1		2.4.14		1029		✓			
2		SP10 3'		G 1		1		2.4.14		1055		✓			
3		SP10 5'		G 1		1		2.4.14		1142		✓			
4		SP10 6'		G 1		1		2.4.14		1159		✓			
5		SP10 1'		G 1		1		2.4.14		1259		✓			
6		SP10 3'		G 1		1		2.4.14		130		✓			
7		SP10 5'		G 1		1		2.4.14		2:26		✓			
8		SP10 6'		G 1		1		2.4.14		2:46		✓			
TPH															
BTEX															
CL-															

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Relinquished By: [Signature] Date: 2.5.14 Time: 8:35
Received By: [Signature] Date: 2.5.14 Time: 8:35

Delivered By: (Circle One) -0.80 Sample Condition: Cool, Intact, Yes [X] No []
Sampler - UPS - Bus - Other: No [X] Yes []

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

