

# Closure Report

## Site Description

Site Name:	Brunson C Battery #1
Company:	Oxy Permian Ltd.
Legal Description:	U/L J, Section 3, T22S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.41859° W 103.14702°

## Release Data

Date of Release:	12/10/2013
Type of Release:	Oil and produced water
Source of Release:	2" steel produced water line
Volume of Release:	2bbls oil, 78 bbls produced water
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the entire leak site to a depth of 2 feet. Install a clay liner in excavated area. Backfill the site with clean soil.	
Remediation Activities:	09/19/2014 to 09/26/2014	
Plan Sent to OCD:	08/07/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	08/08/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

## Supporting Documentation

Initial C-141	Signed 12/20/2013
Final C-141	Signed 10/10/2014
Site Diagram	December 2013
Groundwater Plot	50'
TOPO Maps	December 2013
Lab Summary	01/22/2014 and 06/30/2014
Lab Analysis	01/22/2014 and 06/30/2014
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.

10/20/2014

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

Form C-141  
Revised August 8, 2011

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

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	Brunson C Battery #1	Facility Type	Gathering
Surface Owner	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
	3	22S	37E					Lea County, NM

Latitude N 32.418471° Longitude W103.146947°

### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	2 bbls oil and 78 bbls water	Volume Recovered	0 bbls
Source of Release	2" steel produced water line	Date and Hour of Occurrence	12/10/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

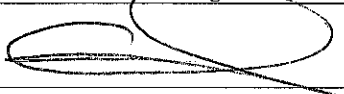
Describe Cause of Problem and Remedial Action Taken.\*

A leak in a 2" steel produced water line caused 2 bbls of oil and 78 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected areas are approximately 8' x 40'. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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: 	<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>12-20-13</u> Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary

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

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	Brunson C Battery #1	Facility Type	Gathering

Surface Owner	Mineral Owner	API No.	30-025-23425
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	3	22S	37E					Lea County, NM

Latitude N 32.418471° Longitude W 103.146947°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	2 bbls oil and 78 bbls water	Volume Recovered	0 bbls
Source of Release	2" steel produced water line	Date and Hour of Occurrence	12/10/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*


Describe Cause of Problem and Remedial Action Taken.\*

A leak in a 2" steel produced water line caused 2 bbls of oil and 78 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected areas are approximately 8' x 40'. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/08/2014.

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.

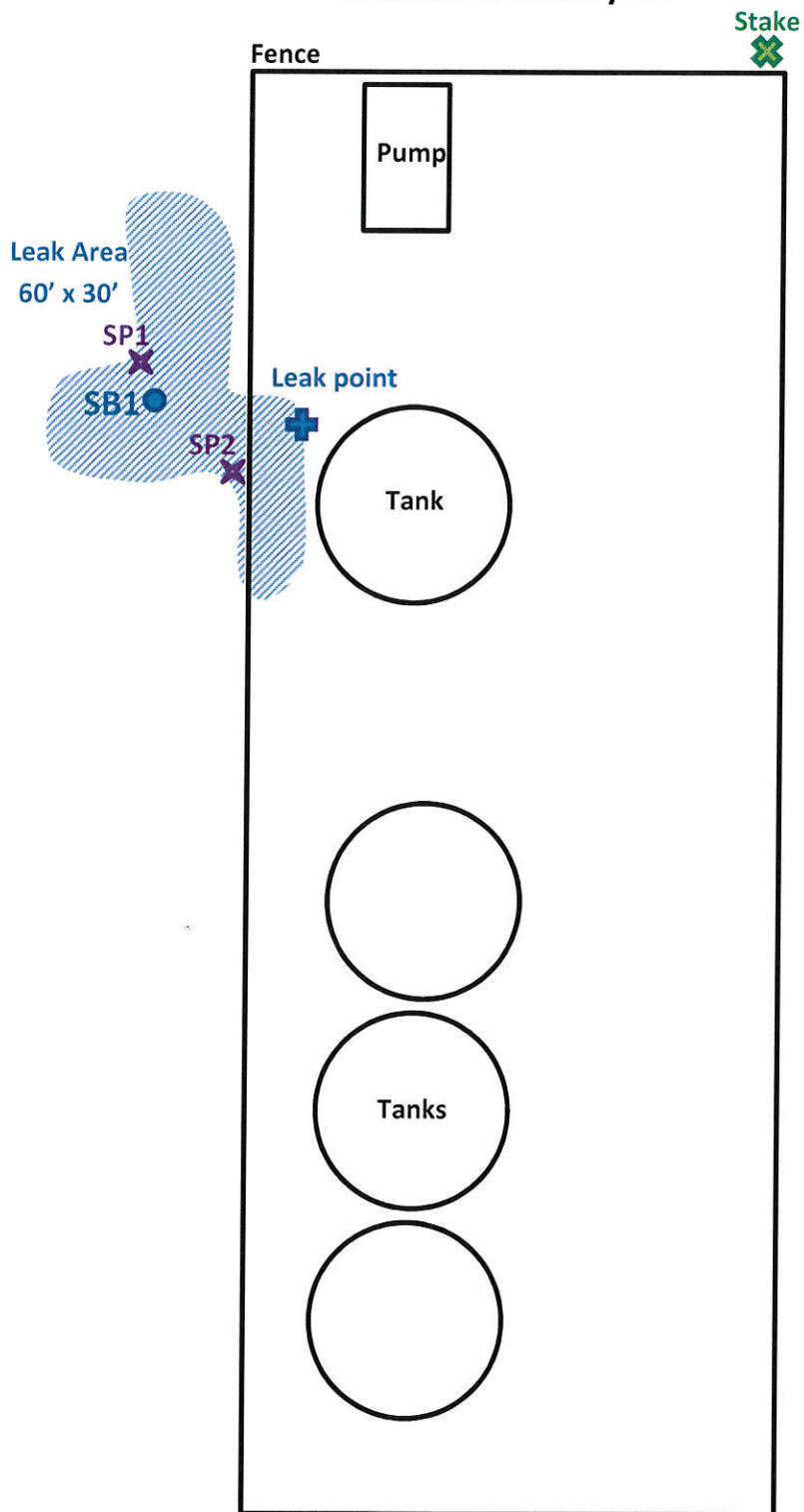
Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chancey Summers	Approved by Environmental Specialist:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>10-10-14</u> Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary



Oxy

# Brunson C Battery #1



U/L J, Section 3, T22S, R37E

Lea County, NM

GPS at the stake:

N 32.41859° W 103.14702°

BBC International, Inc.

Oxy

Brunson C Battery #1

Date: 12/19/2013

DRWG by: K. Purvis

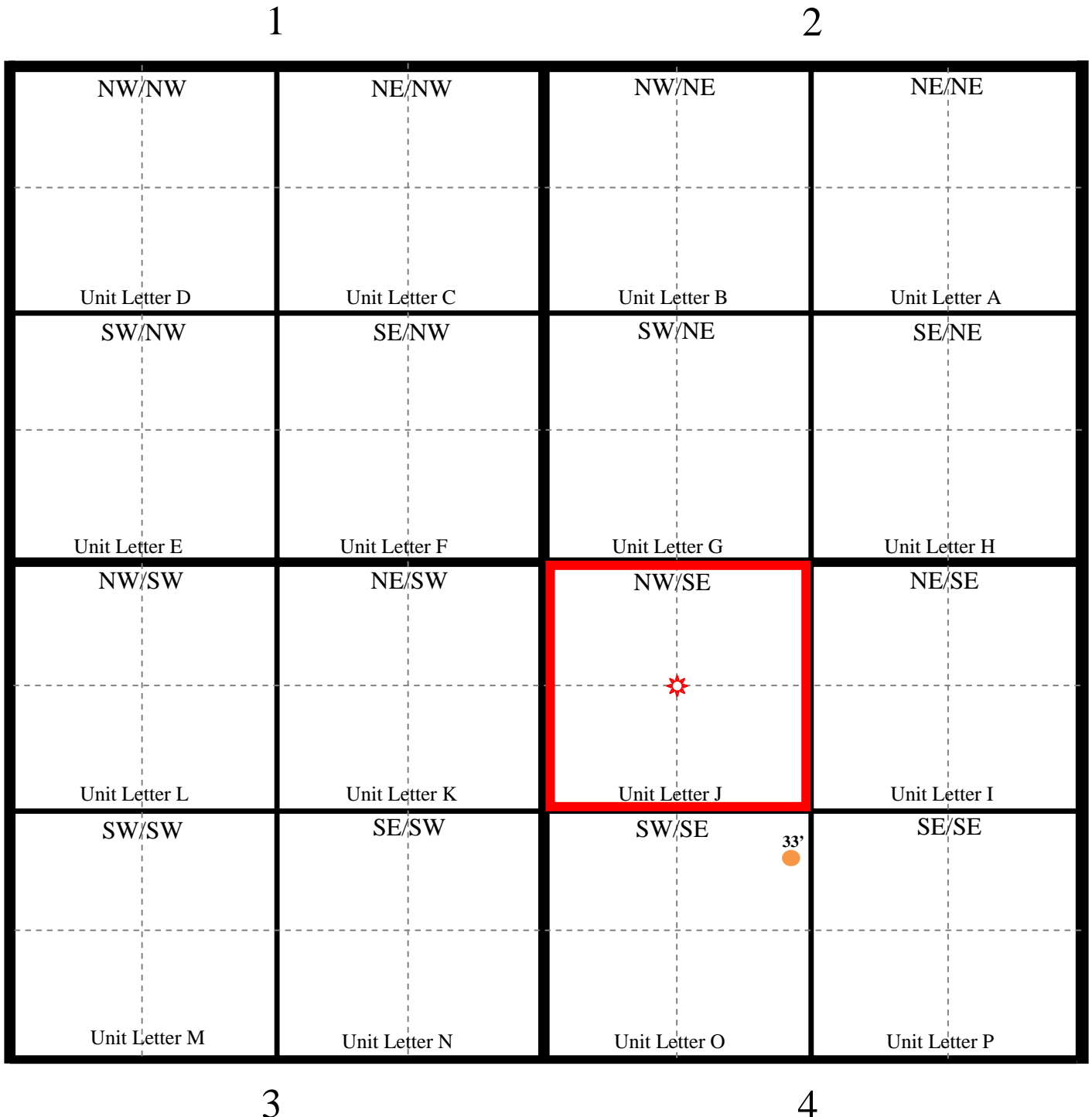
NOT TO SCALE

File: Oxy 2013

## Oxy Brunson C Battery #1

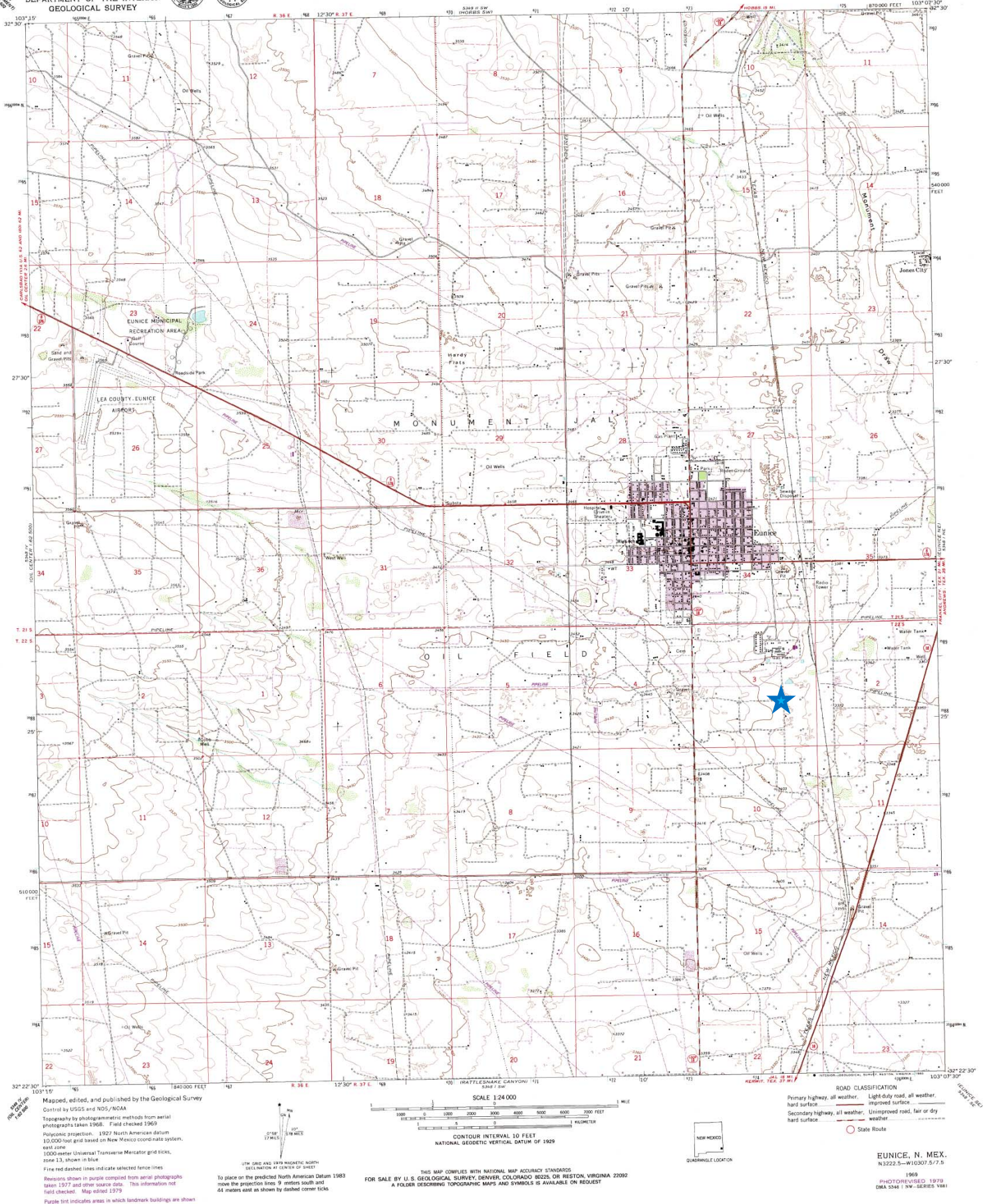
<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	J	3	22S	37E

Trend Map 50'





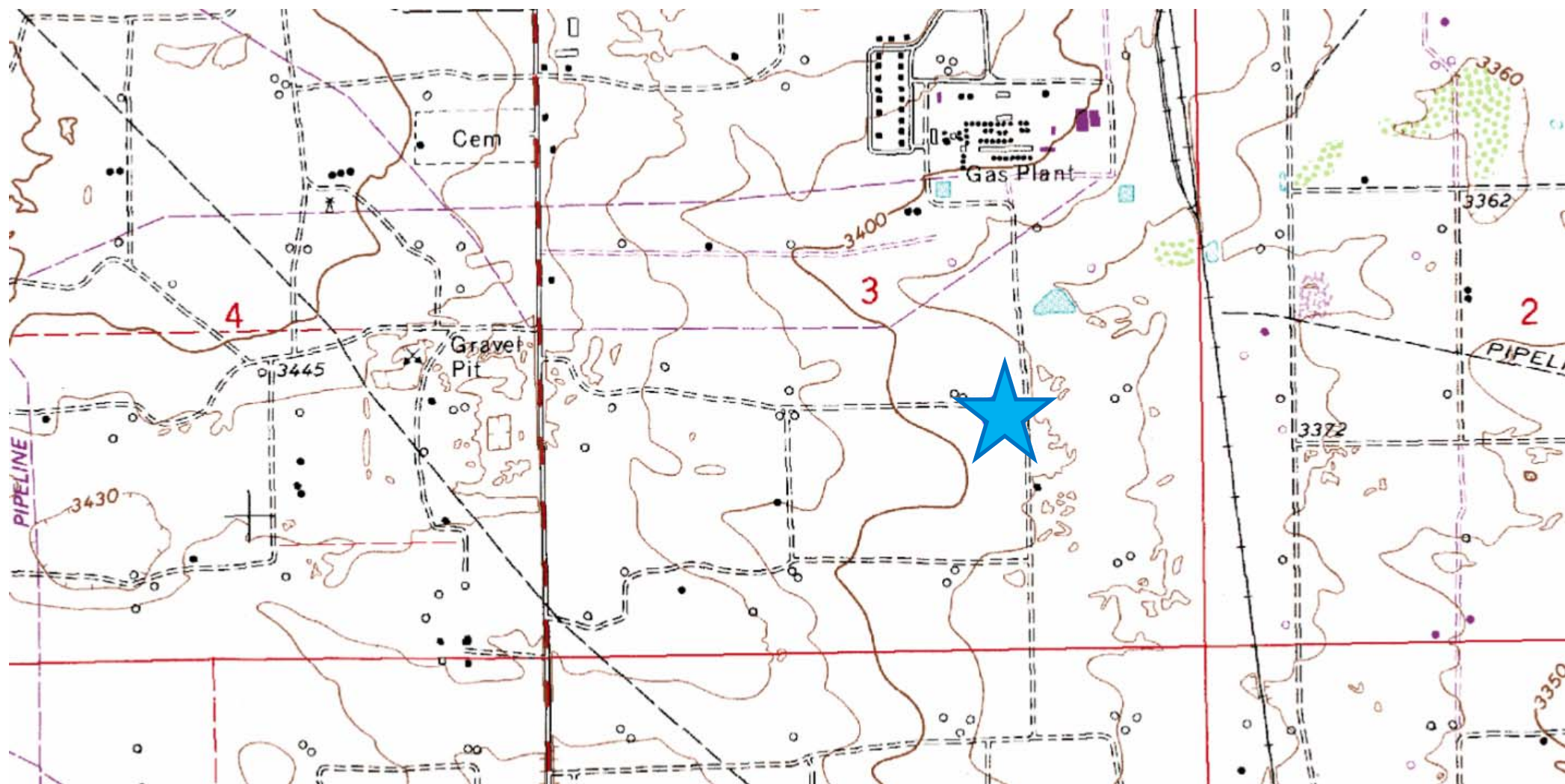
EUNICE QUADRANGLE  
NEW MEXICO—LEA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)





Oxy

## Brunson C Battery #1



**Laboratory Analytical Results Summary**  
**Brunson C Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 11'
Analyte	Method	Date	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>304</b>	<b>96</b>	<b>672</b>	<b>640</b>	<b>2320</b>	<b>1340</b>
<b>GRO</b>	TPH 8015M		<50	<10	<10	<10	<10	<10
<b>DRO</b>	TPH 8015M		<b>1320</b>	<b>71</b>	<b>88.8</b>	<10	<10	<b>41.6</b>

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'	SP2 @ 7'	SP2 @ 11'
Analyte	Method	Date	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>288</b>	<b>96</b>	<b>592</b>	<b>160</b>	<b>2080</b>	<b>1120</b>
<b>GRO</b>	TPH 8015M		<10	<10	<10	<10	<10	<10
<b>DRO</b>	TPH 8015M		<10	<b>116</b>	<b>44.8</b>	<b>24.2</b>	<10	<b>42.5</b>



**Laboratory Analytical Results Summary**  
**Brunson C Battery #1**

		Sample	SB1 @ 12'	SB1 @ 15'	SB1 @ 17'	SB1 @ 18'
Analyte	Method	Date	6/30/14	6/30/14	6/30/14	6/30/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>688</b>	<b>208</b>	<b>192</b>	<b>240</b>

January 30, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRUNSON C BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/24/14 8:15.

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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400230-01)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTEX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	304	16.0	01/29/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	1320	50.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 79.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 168 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400230-02)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	71.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 83.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H400230-03)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	672	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	88.8	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 6' (H400230-04)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	640	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.2 % 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: 01/24/2014  
 Reported: 01/30/2014  
 Project Name: BRUNSON C BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 01/22/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 8' (H400230-05)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2320	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.8 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 11' (H400230-06)**

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	01/29/2014	ND	2.32	116	2.00	2.43		
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55		
Total BTEx	<0.300	0.300	01/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1340	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	41.6	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 73.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H400230-07)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	288	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.2 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H400230-08)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	116	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 83.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 4' (H400230-09)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	592	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	44.8	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 6' (H400230-10)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	24.2	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 7' (H400230-11)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2080	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.8 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 11' (H400230-12)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTEx	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1120	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	42.5	10.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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---

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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

#54



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

282

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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

#54



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

---

July 10, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRUNSON C BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/08/14 8:23.

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: 07/08/2014  
Reported: 07/10/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: EUNICE, NM

Sampling Date: 06/30/2014  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SB 1 @ 12' (H402058-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 15' (H402058-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 17' (H402058-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 18' (H402058-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/10/2014	ND	400	100	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

# ARDINAL I LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

#54

## Kathy Purvis

---

**From:** Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>  
**Sent:** Friday, August 08, 2014 9:50 AM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-Brunson C Battery #1-Remediation Plan

Aloha Mr. Brunson et al,

Thank you for the documents for this event. Please consider this the official notice of receipt.

Also, after reviewing the documents and based on our discussions NMOCD approves the remediation procedures for the Brunson C-1 site.

Please provide an API for this event so that it may be entered into the system. In exchange you will receive an RP with which to track the event.

If you have any questions, please let me know.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD  
Environmental Specialist – New Mexico Oil Conservation Division  
Energy, Minerals and Natural Resources Department  
1625 N. French Dr.  
Hobbs, NM 88240  
(O): (575) 393-6161 ext 111  
(C): 575-370-3180  
(F): (575) 393-0720  
E-Mail: [tomas.oberding@state.nm.us](mailto:tomas.oberding@state.nm.us)  
Website: <http://www.emnrd.state.nm.us/ocd/>

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Thursday, August 07, 2014 4:17 PM  
**To:** Oberding, Tomas, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Brunson C Battery #1-Remediation Plan

Tomas,

This e-mail is to confirm our conversation today, August 7, 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 2 feet in the entire leak area as depicted on the attached site diagram. A compacted clay liner will be installed in the excavation and 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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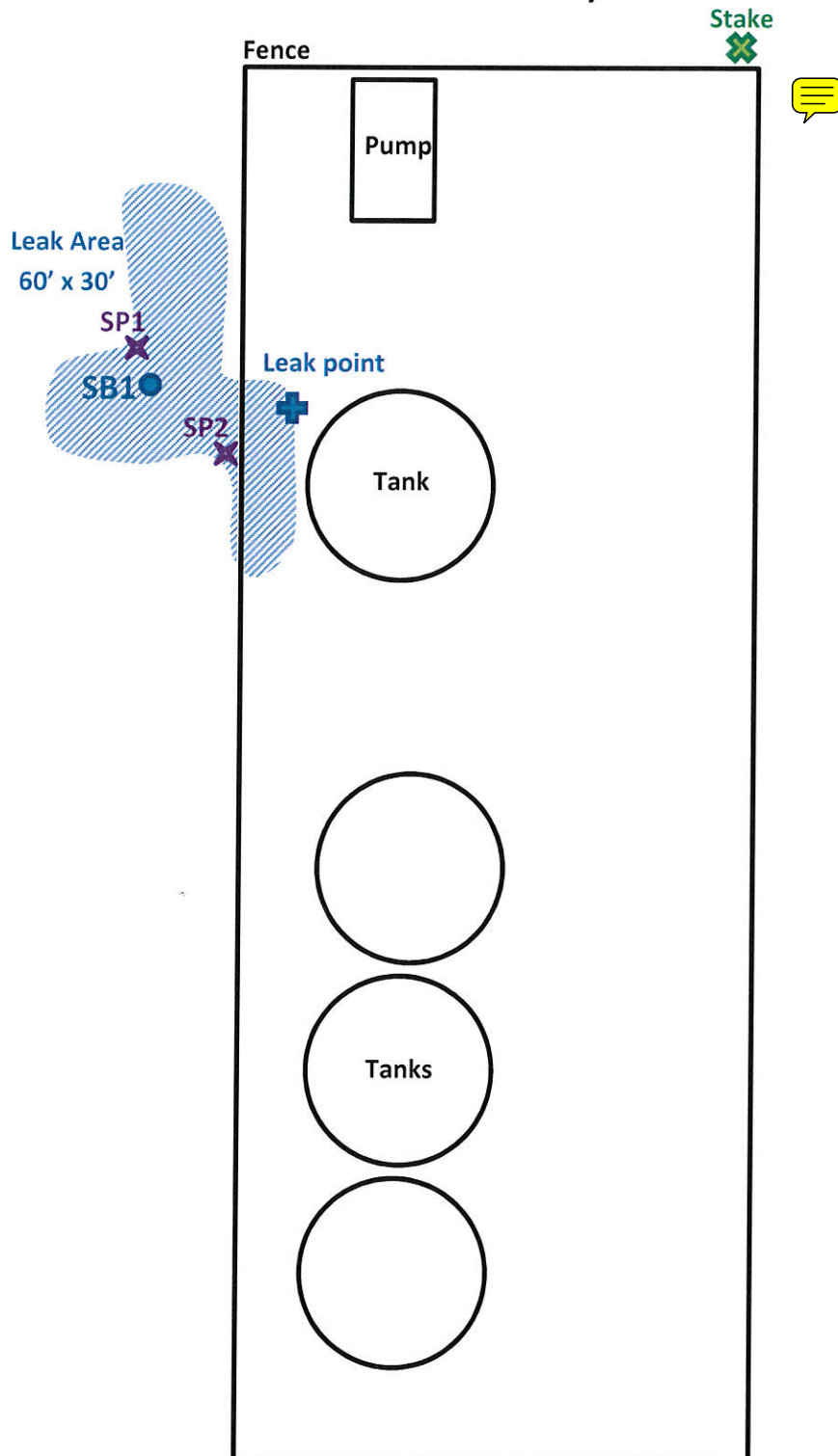
\*\*\*\*\*





Oxy

# Brunson C Battery #1



U/L J, Section 3, T22S, R37E

Lea County, NM

GPS at the stake:

N 32.41859° W 103.14702°

BBC International, Inc.

Oxy

Brunson C Battery #1

Date: 12/19/2013

DRWG by: K. Purvis

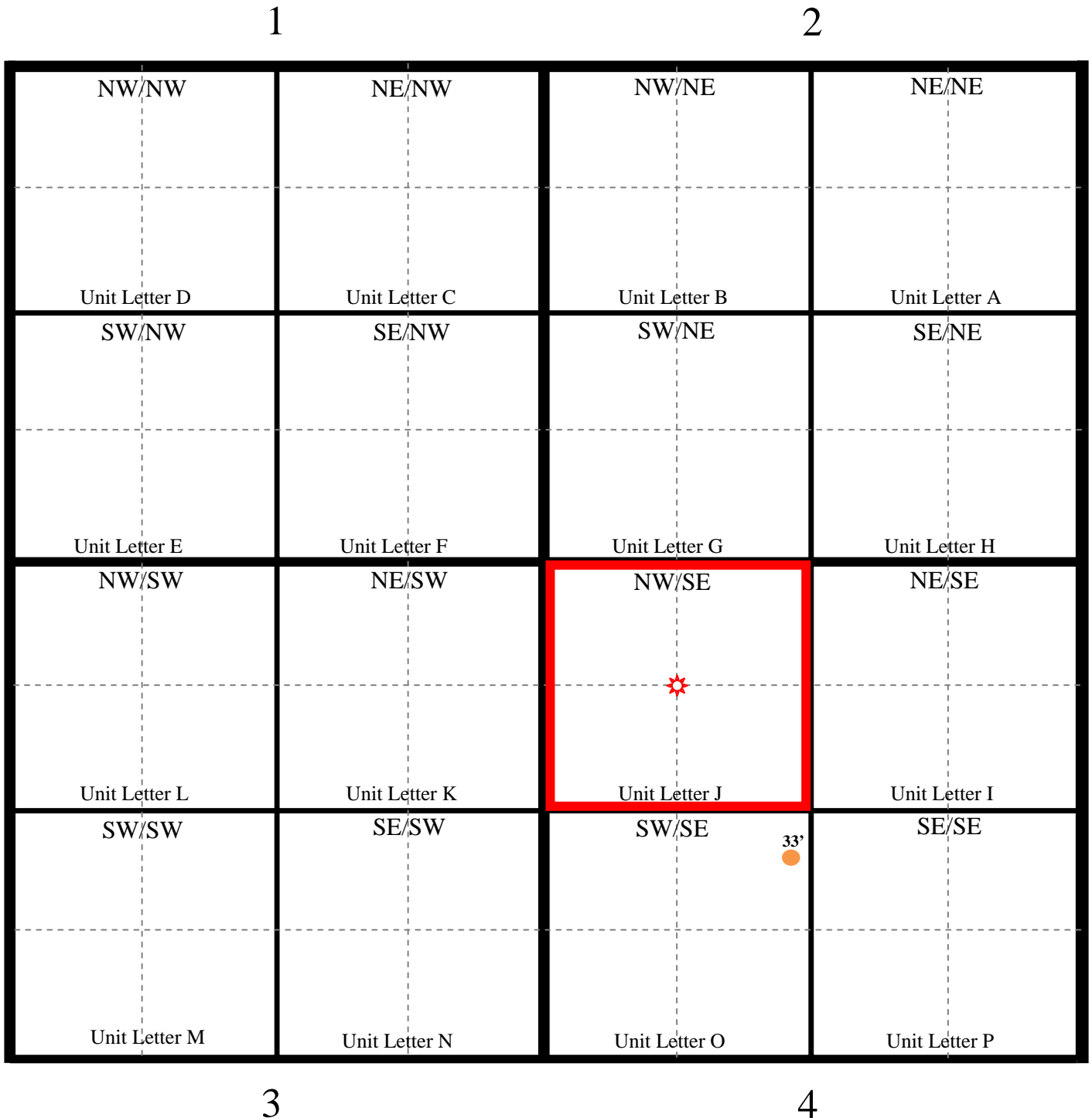
NOT TO SCALE

File: Oxy 2013

## Oxy Brunson C Battery #1

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	J	3	22S	37E

Trend Map 50'





**Laboratory Analytical Results Summary**  
**Brunson C Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 11'
Analyte	Method	Date	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>304</b>	<b>96</b>	<b>672</b>	<b>640</b>	<b>2320</b>	<b>1340</b>
<b>GRO</b>	TPH 8015M		<50	<10	<10	<10	<10	<10
<b>DRO</b>	TPH 8015M		<b>1320</b>	<b>71</b>	<b>88.8</b>	<10	<10	<b>41.6</b>

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'	SP2 @ 7'	SP2 @ 11'
Analyte	Method	Date	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>288</b>	<b>96</b>	<b>592</b>	<b>160</b>	<b>2080</b>	<b>1120</b>
<b>GRO</b>	TPH 8015M		<10	<10	<10	<10	<10	<10
<b>DRO</b>	TPH 8015M		<10	<b>116</b>	<b>44.8</b>	<b>24.2</b>	<10	<b>42.5</b>

**Laboratory Analytical Results Summary**  
**Brunson C Battery #1**

		Sample	SB1 @ 12'	SB1 @ 15'	SB1 @ 17'	SB1 @ 18'
Analyte	Method	Date	6/30/14	6/30/14	6/30/14	6/30/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>688</b>	<b>208</b>	<b>192</b>	<b>240</b>

January 30, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRUNSON C BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/24/14 8:15.

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).

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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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400230-01)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	304	16.0	01/29/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	1320	50.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 79.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 168 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: SP 1 @ 2' (H400230-02)

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	71.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 83.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H400230-03)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	672	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	88.8	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 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: 01/24/2014  
 Reported: 01/30/2014  
 Project Name: BRUNSON C BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 01/22/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 6' (H400230-04)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	640	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.2 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 8' (H400230-05)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2320	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 90.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.8 % 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: 01/24/2014  
 Reported: 01/30/2014  
 Project Name: BRUNSON C BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 01/22/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 11' (H400230-06)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTEx	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1340	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	41.6	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 73.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H400230-07)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	288	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.2 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H400230-08)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTEx	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	116	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 83.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 4' (H400230-09)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	592	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	44.8	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 87.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 6' (H400230-10)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	24.2	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.1 % 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: 01/24/2014  
Reported: 01/30/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 7' (H400230-11)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2080	16.0	01/29/2014	ND	416	104	400	3.92		

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	01/27/2014	ND	185	92.5	200	0.200	
DRO >C10-C28	<10.0	10.0	01/27/2014	ND	177	88.3	200	0.787	

Surrogate: 1-Chlorooctane 79.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.8 % 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:	01/24/2014	Sampling Date:	01/22/2014
Reported:	01/30/2014	Sampling Type:	Soil
Project Name:	BRUNSON C BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 11' (H400230-12)**

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	01/29/2014	ND	2.32	116	2.00	2.43	
Toluene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.26	113	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.59	110	6.00	1.55	
Total BTEx	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1120	16.0	01/29/2014	ND	416	104	400	3.92	

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	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	42.5	10.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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**

**BILL TO**

**ANALYSIS REQUEST**

10/2

Company Name: BBC International, Inc.		P.O. #:											
Project Manager: Cliff Brunson		Company:											
Address: P.O. Box 805		Attn:											
City: Hobbs		Address: <i>SAH</i>											
State: NM Zip: 88241		City:											
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Zip:											
Project #: <i>BRUNSON C BATT</i>		Project Owner: <i>OK</i>											
Project Location:		Phone #:											
Sampler Name: <i>POPE HENRI</i>		Fax #:											
FOR LAB USE ONLY		DATE											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP		# CONTAINERS	MATRIX		PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CL-
		GROUNDWATER	WASTEWATER		SOIL	OIL							
1	SP1 @ 1'	C	1	✓	✓	✓	✓	✓	1-22-14	128	✓	✓	✓
2	@ 2'	C	1	✓	✓	✓	✓	✓	1-22-14	146	✓	✓	✓
3	@ 4'	C	1	✓	✓	✓	✓	✓	1-22-14	205	✓	✓	✓
4	@ 6'	C	1	✓	✓	✓	✓	✓	1-22-14	224	✓	✓	✓
5	@ 8'	C	1	✓	✓	✓	✓	✓	1-22-14	244	✓	✓	✓
6	@ 11'	C	1	✓	✓	✓	✓	✓	1-22-14	505	✓	✓	✓
7	SP2 @ 1'	C	1	✓	✓	✓	✓	✓	1-22-14	322	✓	✓	✓
8	@ 2'	C	1	✓	✓	✓	✓	✓	1-22-14	334	✓	✓	✓
9	@ 4'	C	1	✓	✓	✓	✓	✓	1-22-14	357	✓	✓	✓
10	@ 6'	C	1	✓	✓	✓	✓	✓	1-22-14	411	✓	✓	✓

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>	Date: <i>1-22-14</i>	Received By: <i>[Signature]</i>	Time: <i>8:05</i>
Relinquished By:	Date:	Received By:	Time:
Delivered By: (Circle One)	Sample Condition	CHECKED BY: <i>[Signature]</i>	
Sample - UPS - Bus - Other:	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

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

#54





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

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July 10, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRUNSON C BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/08/14 8:23.

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 black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 07/08/2014  
Reported: 07/10/2014  
Project Name: BRUNSON C BATTERY  
Project Number: NONE GIVEN  
Project Location: EUNICE, NM

Sampling Date: 06/30/2014  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: SB 1 @ 12' (H402058-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 15' (H402058-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 17' (H402058-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/10/2014	ND	400	100	400	3.92	

**Sample ID: SB 1 @ 18' (H402058-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/10/2014	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

#54



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

Form C-141  
Revised August 8, 2011

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

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	Brunson C Battery #1	Facility Type	Gathering
Surface Owner	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
	3	22S	37E					Lea County, NM

Latitude N 32.418471° Longitude W103.146947°

#### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	2 bbls oil and 78 bbls water	Volume Recovered	0 bbls
Source of Release	2" steel produced water line	Date and Hour of Occurrence	12/10/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

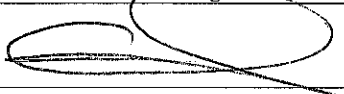
Describe Cause of Problem and Remedial Action Taken.\*

A leak in a 2" steel produced water line caused 2 bbls of oil and 78 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected areas are approximately 8' x 40'. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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: 	<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>12-20-13</u> Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary