

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

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

HOBBS OCD

JUN 12 2014

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

RECEIVED

Form C-141  
Revised August 8, 2011

### 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	WA Ramsey NCT C #3 Battery	Facility Type	Gathering
Surface Owner	Willis	Mineral Owner	API No.30-025-11374(nearest well)

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	36	24S	37E					Lea County, NM

Latitude N 32.17347° Longitude W 103.12348°

#### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	25 bbls oil, 35 bbls produced water	Volume Recovered	0 bbls
Source of Release	The bottom of the separator ruptured causing the vessel to fall over	Date and Hour of Occurrence	02/04/2014	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		
By Whom?	Kathy Purvis	Date and Hour	02/05/2014 @ 4:01 pm		
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 bottom of the separator ruptured causing the vessel to fall over and leak 25 bbls of oil and 35 bbls of water to leak onto the ground. No fluids were recovered.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 250' x 250' on location and traveling South and East into the pasture. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 04/07/2014.

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 or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of liability under federal, state, or local laws and/or regulations.

# APPROVED

Signature: 	Approved	
Printed Name: Chancey Summers		
Title: HES Specialist	Approval Date: 2/3/14	Expiration Date:
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6-5-14 Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary

112R 4136



# Closure Report

HOBBS OCD

JUN 12 2014

## Site Description

RECEIVED

Site Name:	WA Ramsey NCT C #3 Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L L, Section 36, T24S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.17347° W 103.12348°

## Release Data

Date of Release:	02/04/2014
Type of Release:	Oil and produced water
Source of Release:	Bottom of separator ruptured caused the vessel to fall over
Volume of Release:	25 bbls oil and 35 bbls produced water
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate to a depth of 1.5 feet in the leak areas around SP1-SP5 and SP7. In the area around SP6, excavate the area to a depth of 3 feet. Then back fill the site with clean soil.	
Remediation Activities:	05/10/2014 to 05/23/2014	
Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	Email from Geoffrey Leking 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 02/06/2014
Final C-141	Signed 06/05/2014
Site Diagram	February 2014
Groundwater Plot	75'
TOPO Maps	February 2014
Lab Summary	02/12/2014-02/13/2014
Lab Analysis	02/12/2014-02/13/2014
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.

06/10/2014

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

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.

HOBBS OCD

JUN 12 2014

RECEIVED

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	WA Ramsey NCT C #3 Battery	Facility Type	Gathering
Surface Owner	Willis	Mineral Owner	
		API No.30-025-11374(nearest well)	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	36	24S	37E					Lea County, NM

Latitude N 32.17347° Longitude W 103.12348°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	25 bbls oil, 35 bbls produced water	Volume Recovered	0 bbls
Source of Release	The bottom of the separator ruptured causing the vessel to fall over	Date and Hour of Occurrence	02/04/2014	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		
By Whom?	Kathy Purvis	Date and Hour	02/05/2014 @ 4:01 pm		
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 bottom of the separator ruptured causing the vessel to fall over and leak 25 bbls of oil and 35 bbls of water to leak onto the ground. No fluids were recovered.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 250' x 250' on location and traveling South and East into the pasture. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Chancey Summers

Title: HES Specialist

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

Date: 2-6-14 Phone: (575) 397-8216

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

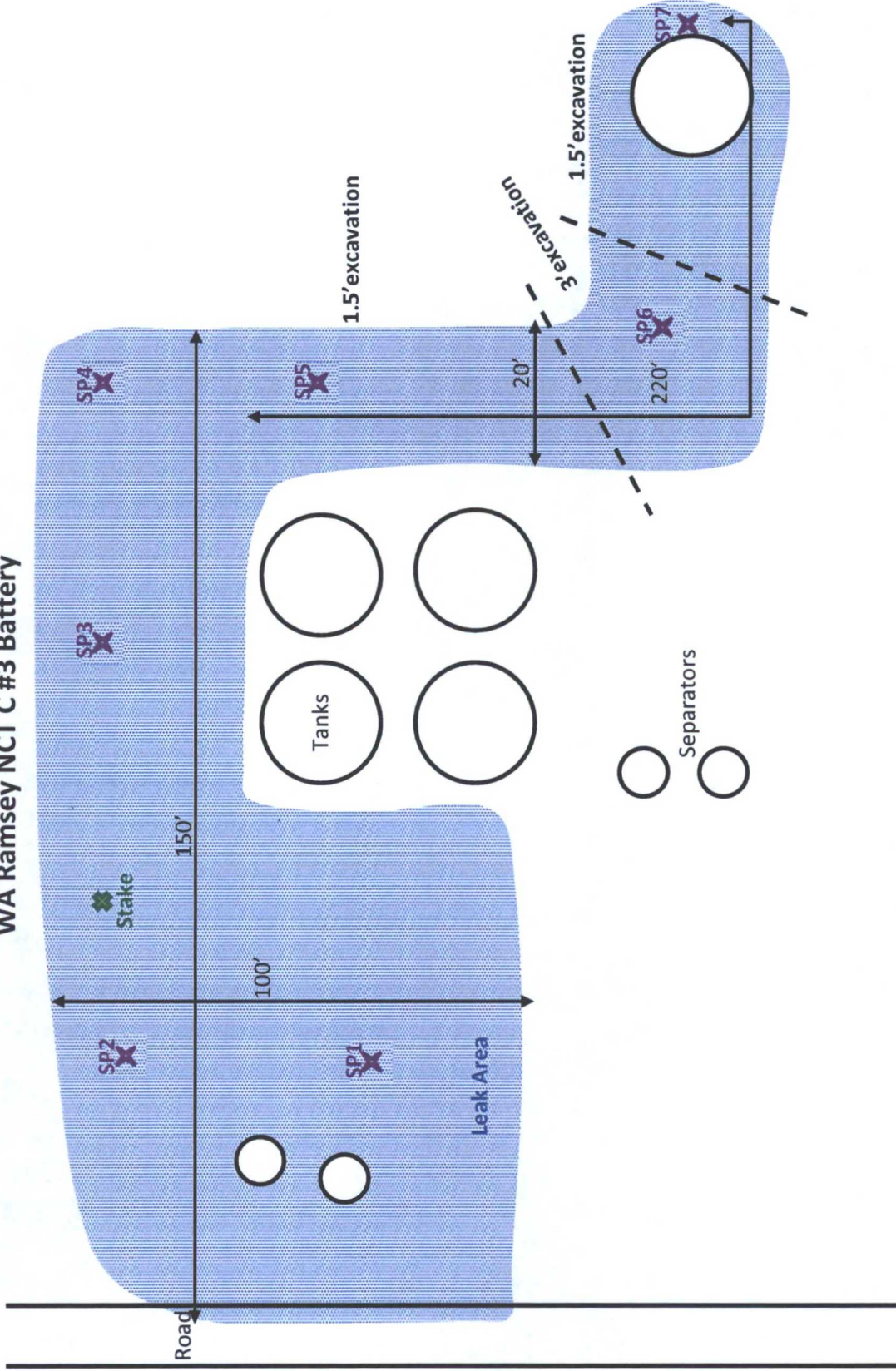
\* Attach Additional Sheets If Necessary





Oxy

# WA Ramsey NCT C #3 Battery



U/L L, Section 36, T24S, R37E  
Lea County, NM  
GPS at stake: N 32.17347° W 103.12348°

BBC International, Inc.

Oxy

WA Ramsey NCT C #3 Battery

Date: 02/06/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



# Groundwater Plot

## Oxy WA Ramsey NCT C #3 Battery

County  
Lea

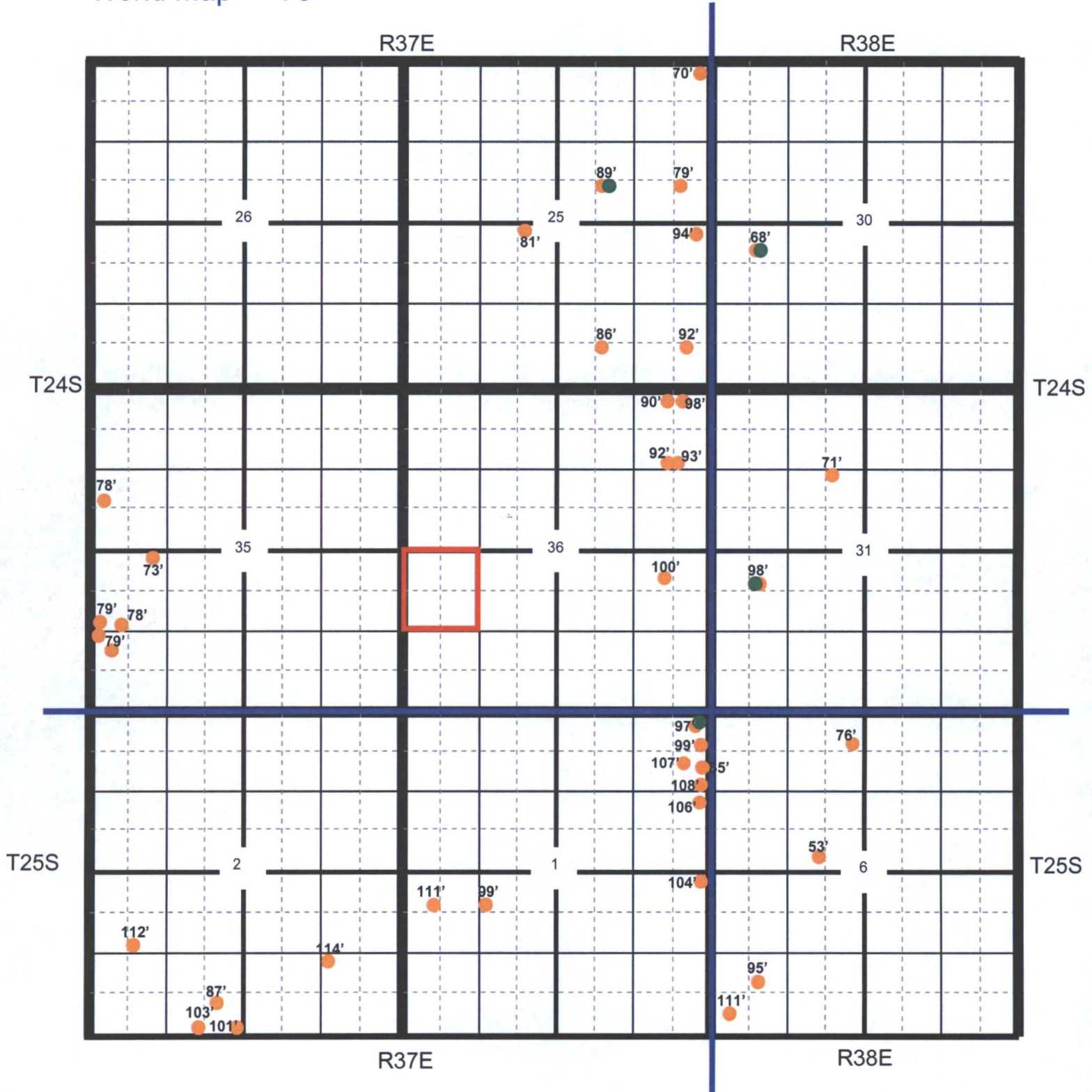
Unit Letter  
L

Section  
36

Township  
24S

Range  
37E

Trend Map 75'



Location

OCD

USGS

SEO

All Databases

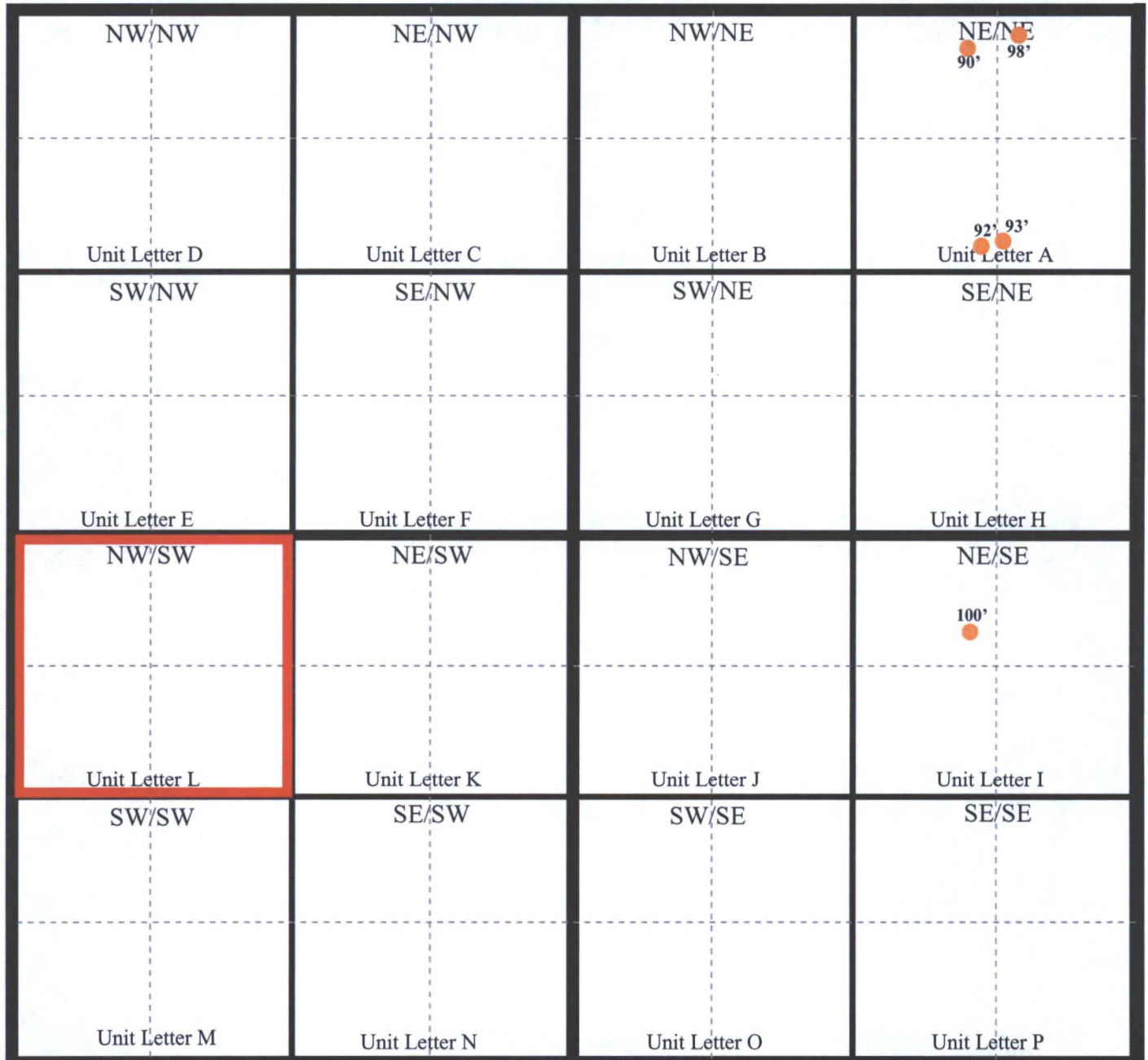
## Oxy WA Ramsey NCT C #3 Battery

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	L	36	24S	37E

Trend Map 75'

1

2



3

4

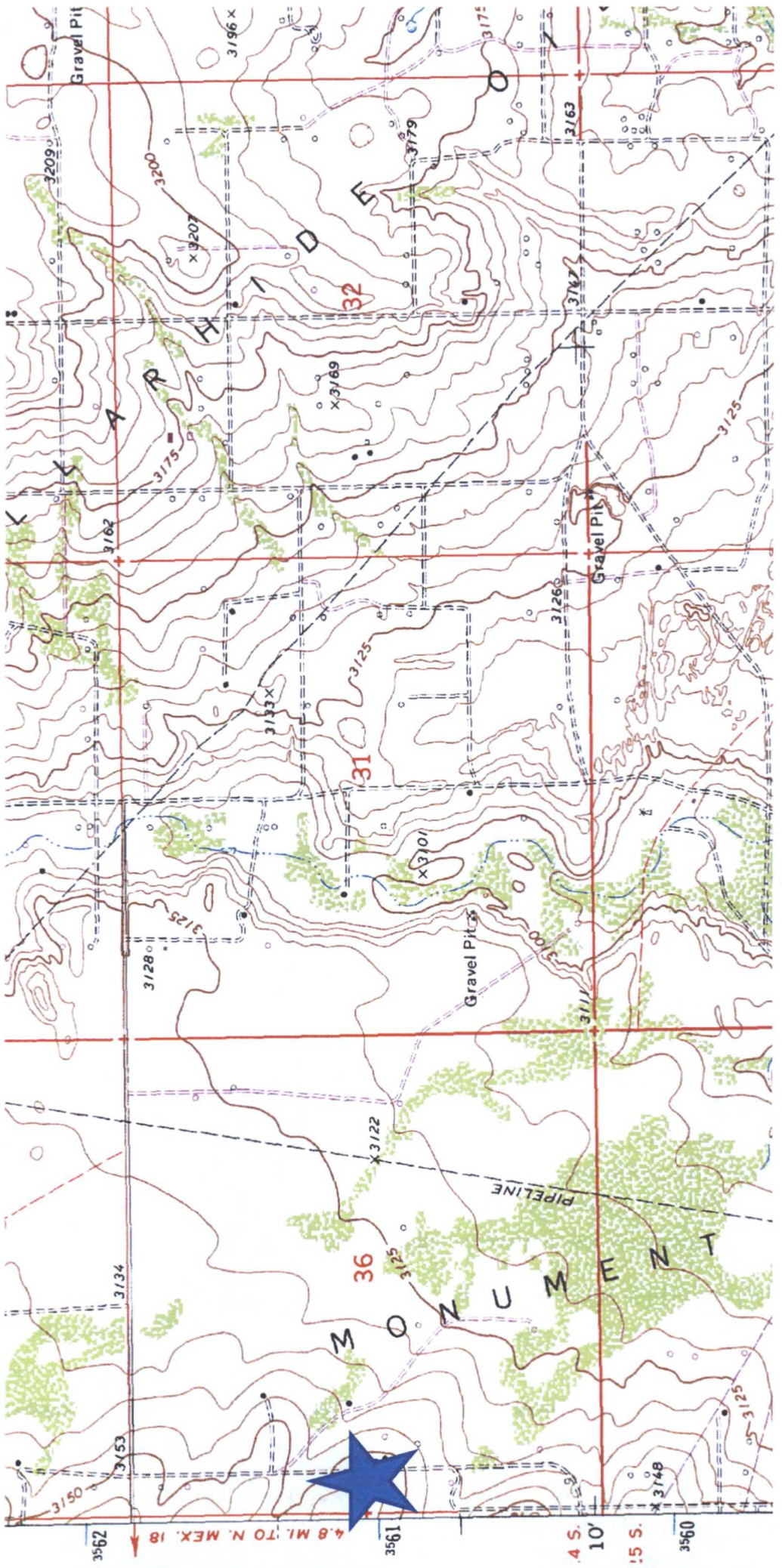






## Oxy

## WA Ramsey NCT C #3 Battery





Laboratory Analytical Results Summary  
WA Ramesy NCT C #3 Battery

Analyte	Sample		SP1 @ 1'		SP1 @ 2'	
	Method	Date	2/12/14	mg/Kg	2/12/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	
Toluene	BTEX 8021B			<0.050	<0.050	
Ethylbenzene	BTEX 8021B			<0.050	<0.050	
Total Xylenes	BTEX 8021B			<0.150	<0.150	
Total BTEX	BTEX 8021B			<0.300	<0.300	
Chloride	SM4500Cl-B			48	48	
GRO	TPH 8015M			<10.0	<10.0	
DRO	TPH 8015M			<10.0	64.3	

Analyte	Sample		SP2 @ 1'		SP2 @ 2'		SP2 @ 3'	
	Method	Date	2/12/14	mg/Kg	2/12/14	mg/Kg	2/12/14	mg/Kg
Benzene	BTEX 8021B			<0.200	<0.050	<0.050		
Toluene	BTEX 8021B			<0.200	<0.050	<0.050		
Ethylbenzene	BTEX 8021B			0.77	<0.050	<0.050		
Total Xylenes	BTEX 8021B			3.26	<0.150	<0.150		
Total BTEX	BTEX 8021B			4.03	<0.300	<0.300		
Chloride	SM4500Cl-B			304	160	128		
GRO	TPH 8015M			226	<10.0	<10.0		
DRO	TPH 8015M			2630	<10.0	<10.0		

Analyte	Sample		SP3 @ 1'		SP3 @ 2'	
	Method	Date	2/12/14	mg/Kg	2/12/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	
Toluene	BTEX 8021B			<0.050	<0.050	
Ethylbenzene	BTEX 8021B			<0.050	<0.050	
Total Xylenes	BTEX 8021B			<0.150	<0.150	
Total BTEX	BTEX 8021B			<0.300	<0.300	
Chloride	SM4500Cl-B			32	64	
GRO	TPH 8015M			<10.0	<10.0	
DRO	TPH 8015M			16.9	<10.0	

Analyte	Sample		SP4 @ 1'		SP4 @ 2'		SP4 @ 4'		SP4 @ 6'	
	Method	Date	2/12/14	mg/Kg	2/12/14	mg/Kg	2/12/14	mg/Kg	2/12/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	<0.050				
Toluene	BTEX 8021B			<0.050	<0.050	<0.050				
Ethylbenzene	BTEX 8021B			<0.050	<0.050	<0.050				
Total Xylenes	BTEX 8021B			<0.150	<0.150	<0.150				
Total BTEX	BTEX 8021B			<0.300	<0.300	<0.300				
Chloride	SM4500Cl-B			240	240	400				
GRO	TPH 8015M			<10.0	<10.0	<10.0				
DRO	TPH 8015M			<10.0	<10.0	<10.0				

Analyte	Sample		SP5 @ 1'		SP5 @ 3'		SP5 @ 4'	
	Method	Date	2/13/14	mg/Kg	2/13/14	mg/Kg	2/13/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	<0.050		
Toluene	BTEX 8021B			<0.050	<0.050	<0.050		
Ethylbenzene	BTEX 8021B			<0.050	<0.050	<0.050		
Total Xylenes	BTEX 8021B			<0.150	<0.150	<0.150		
Total BTEX	BTEX 8021B			<0.300	<0.300	<0.300		
Chloride	SM4500Cl-B			768	192	160		
GRO	TPH 8015M			<10.0	<10.0	<10.0		
DRO	TPH 8015M			<10.0	<10.0	<10.0		

Analyte	Sample		SP6 @ 1'		SP6 @ 3'		SP6 @ 5'	
	Method	Date	2/13/14	mg/Kg	2/13/14	mg/Kg	2/13/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	<0.050		
Toluene	BTEX 8021B			<0.050	<0.050	<0.050		
Ethylbenzene	BTEX 8021B			<0.050	<0.050	<0.050		
Total Xylenes	BTEX 8021B			<0.150	<0.150	<0.150		
Total BTEX	BTEX 8021B			<0.300	<0.300	<0.300		
Chloride	SM4500Cl-B			1250	656	320		
GRO	TPH 8015M			<10.0	<10.0	<10.0		
DRO	TPH 8015M			22.9	<10.0	<10.0		

Analyte	Sample		SP7 @ 1'		SP7 @ 2'		SP7 @ 3'	
	Method	Date	2/13/14	mg/Kg	2/13/14	mg/Kg	2/13/14	mg/Kg
Benzene	BTEX 8021B			<0.050	<0.050	<0.050		
Toluene	BTEX 8021B			<0.050	<0.050	<0.050		
Ethylbenzene	BTEX 8021B			<0.050	<0.050	<0.050		
Total Xylenes	BTEX 8021B			<0.150	<0.150	<0.150		
Total BTEX	BTEX 8021B			<0.300	<0.300	<0.300		
Chloride	SM4500Cl-B			384	336	80		
GRO	TPH 8015M			<10.0	<10.0	<10.0		
DRO	TPH 8015M			<10.0	<10.0	<10.0		

February 25, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RAMSEY #3 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/14 10:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400483-01)**

BTX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 99.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 96.9 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	<10.0	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400483-02)**

BTEX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.2 % 61.3-142  
Surrogate: Toluene-d8 104 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	64.3	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 98.3 % 65.2-140  
Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H400483-03)**

BTEX 8260B	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.200	0.200	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<b>0.770</b>	0.200	02/25/2014	ND	1.94	97.2	2.00	3.00	
<b>Total Xylenes*</b>	<b>3.26</b>	0.600	02/25/2014	ND	5.86	97.7	6.00	2.33	
<b>Total BTEX</b>	<b>4.03</b>	1.20	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.0 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 247 % 65.7-141

Chloride, SM4500Cl-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	02/20/2014	ND	386	96.5	400	3.56	

TPH 8015M	mg/kg	Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>226</b>	50.0	02/20/2014	ND	194	96.8	200	13.2	
<b>DRO &gt;C10-C28</b>	<b>2630</b>	50.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 119 % 65.2-140

Surrogate: 1-Chlorooctadecane 138 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H400483-04)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.5 % 61.3-142  
Surrogate: Toluene-d8 100 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 104 % 65.2-140  
Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 2 @ 3' (H400483-05)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.4 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	


Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 3 @ 1' (H400483-06)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 99.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	16.9	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H400483-07)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 99.5 % 61.3-142  
Surrogate: Toluene-d8 101 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 95.8 % 65.2-140  
Surrogate: 1-Chlorooctadecane 97.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 4 @ 1' (H400483-08)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 2' (H400483-09)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.8 % 61.3-142  
Surrogate: Toluene-d8 101 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 92.4 % 65.2-140  
Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 4' (H400483-10)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 98.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 6' (H400483-11)**

BTEx 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.3 % 61.3-142  
Surrogate: Toluene-d8 104 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 89.3 % 65.2-140  
Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 5 @ 1' (H400483-12)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3' (H400483-13)**

BTEx 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.3 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 97.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 5 @ 4' (H400483-14)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 94.7 % 61.3-142  
 Surrogate: Toluene-d8 101 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 98.8 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 92.6 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 95.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 6 @ 1' (H400483-15)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.4 % 61.3-142  
Surrogate: Toluene-d8 101 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M		mg/kg		Analyzed By: ms					

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	22.9	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 95.7 % 65.2-140  
Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 3' (H400483-16)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 99.2 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

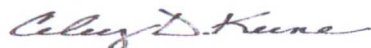
Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 6 @ 5' (H400483-17)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 99.5 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 7 @ 1' (H400483-18)**

BTEX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 7 @ 2' (H400483-19)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 7 @ 3' (H400483-20)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.5 % 61.3-142  
 Surrogate: Toluene-d8 102 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/20/2014	ND	400	100	400	3.56		


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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 101 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



### Notes and Definitions

- 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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager







## Jennifer Gilkey

---

**From:** Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>  
**Sent:** Monday, April 07, 2014 12:00 PM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-WA Ramsey NCT C #3 Battery-Remediation Plan

Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY WA Ramsey NCT C #3 Battery. Thank you.

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

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Saturday, April 05, 2014 7:45 PM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-WA Ramsey NCT C #3 Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on April 2, 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 in the leak area represented by sample points SP1-SP5 and SP7 that is depicted on the attached site diagram. In the area around SP6, the area will be excavated to a depth of 3 feet as depicted on the attached site diagram. The site will then be backfilled with clean soil.

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

Thanks, Cliff

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

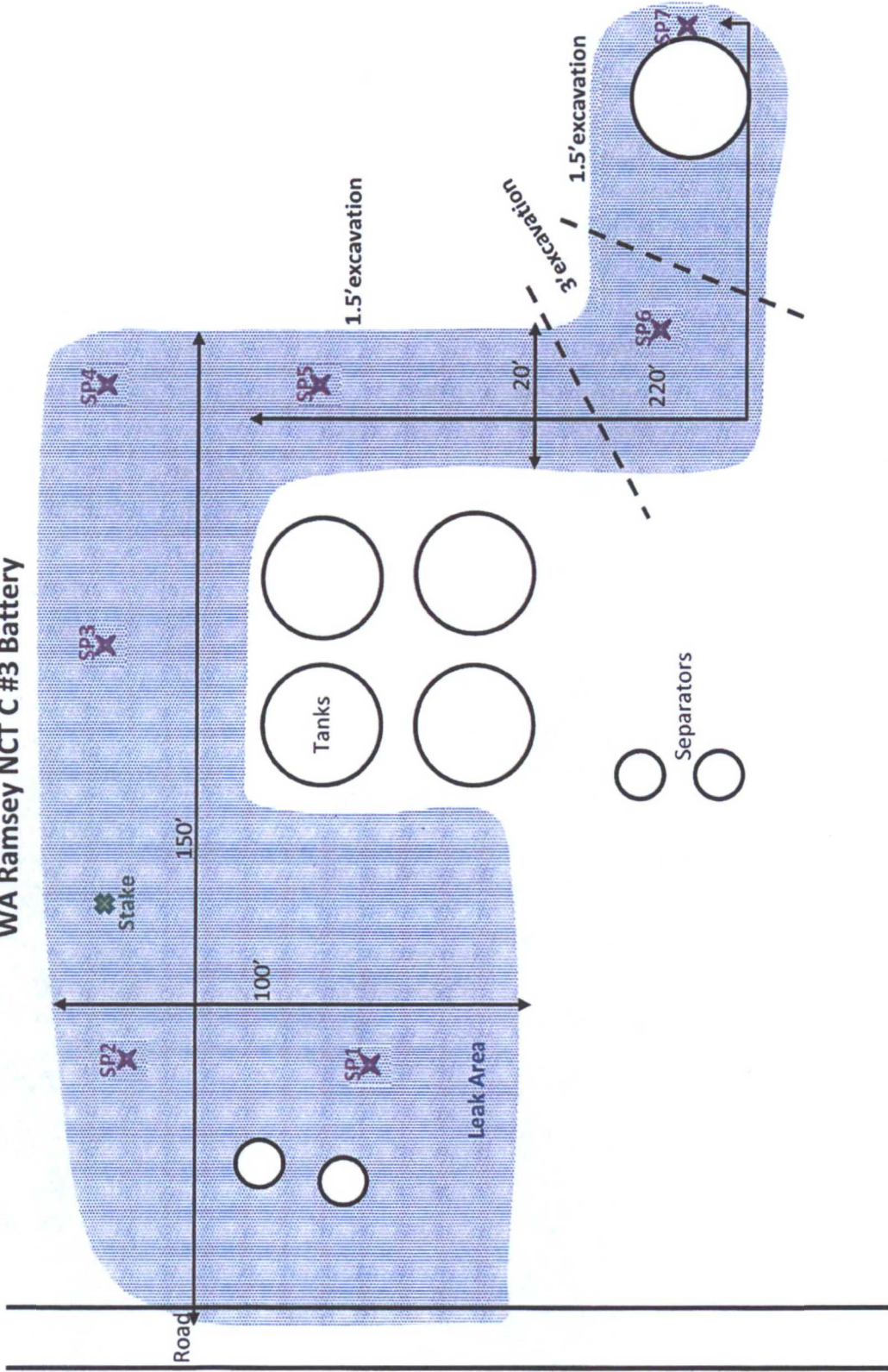
\*\*\*\*\*





Oxy

### WA Ramsey NCT C #3 Battery



U/L L, Section 36, T24S, R37E  
Lea County, NM  
GPS at stake: N 32.17347° W 103.12348°

BBC International, Inc.

Oxy

WA Ramsey NCT C #3 Battery

Date: 02/06/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



# Groundwater Plot

## Oxy WA Ramsey NCT C #3 Battery

County  
Lea

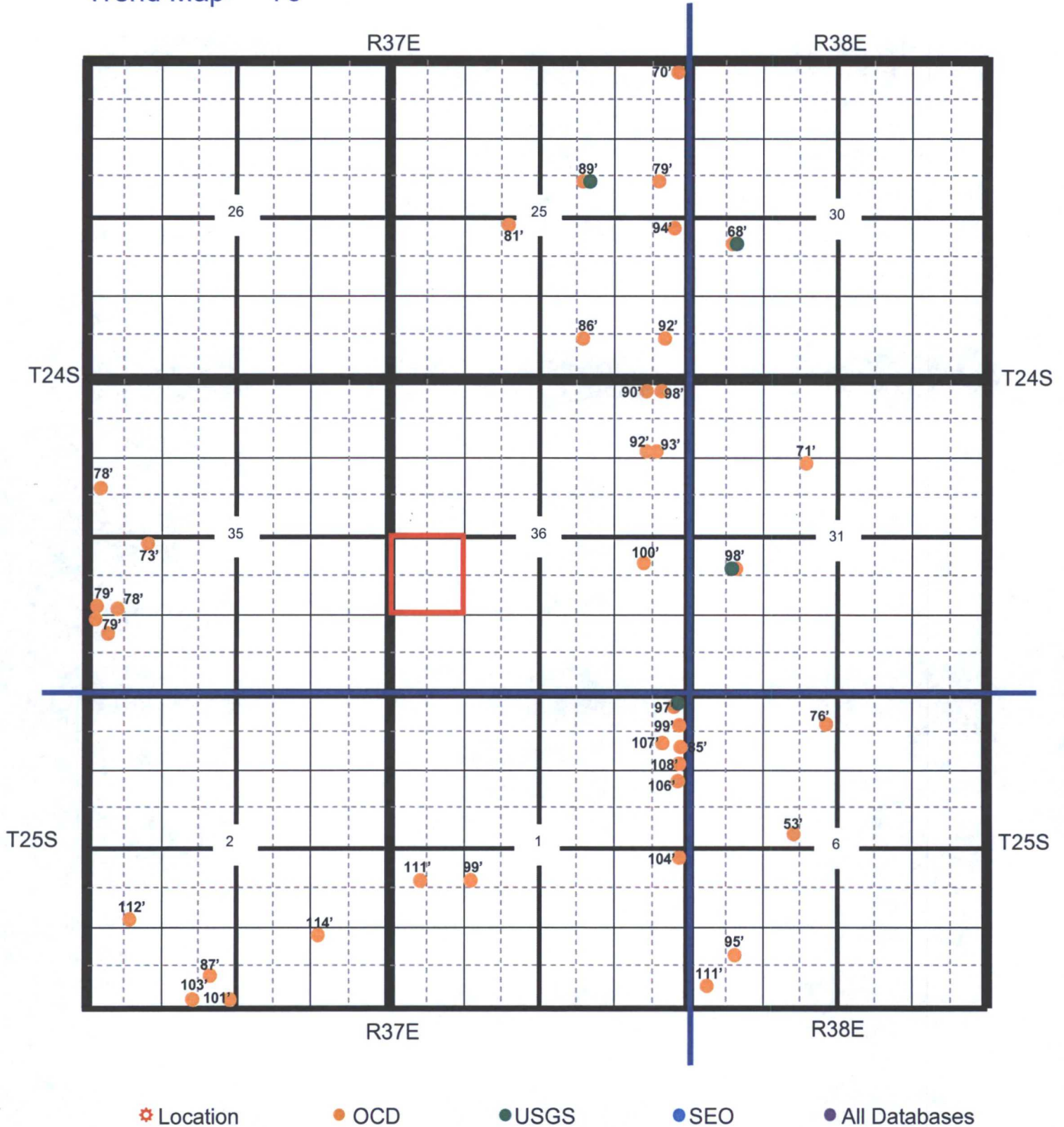
Unit Letter  
L

Section  
36

Township  
24S

Range  
37E

Trend Map 75'





Section Quarters

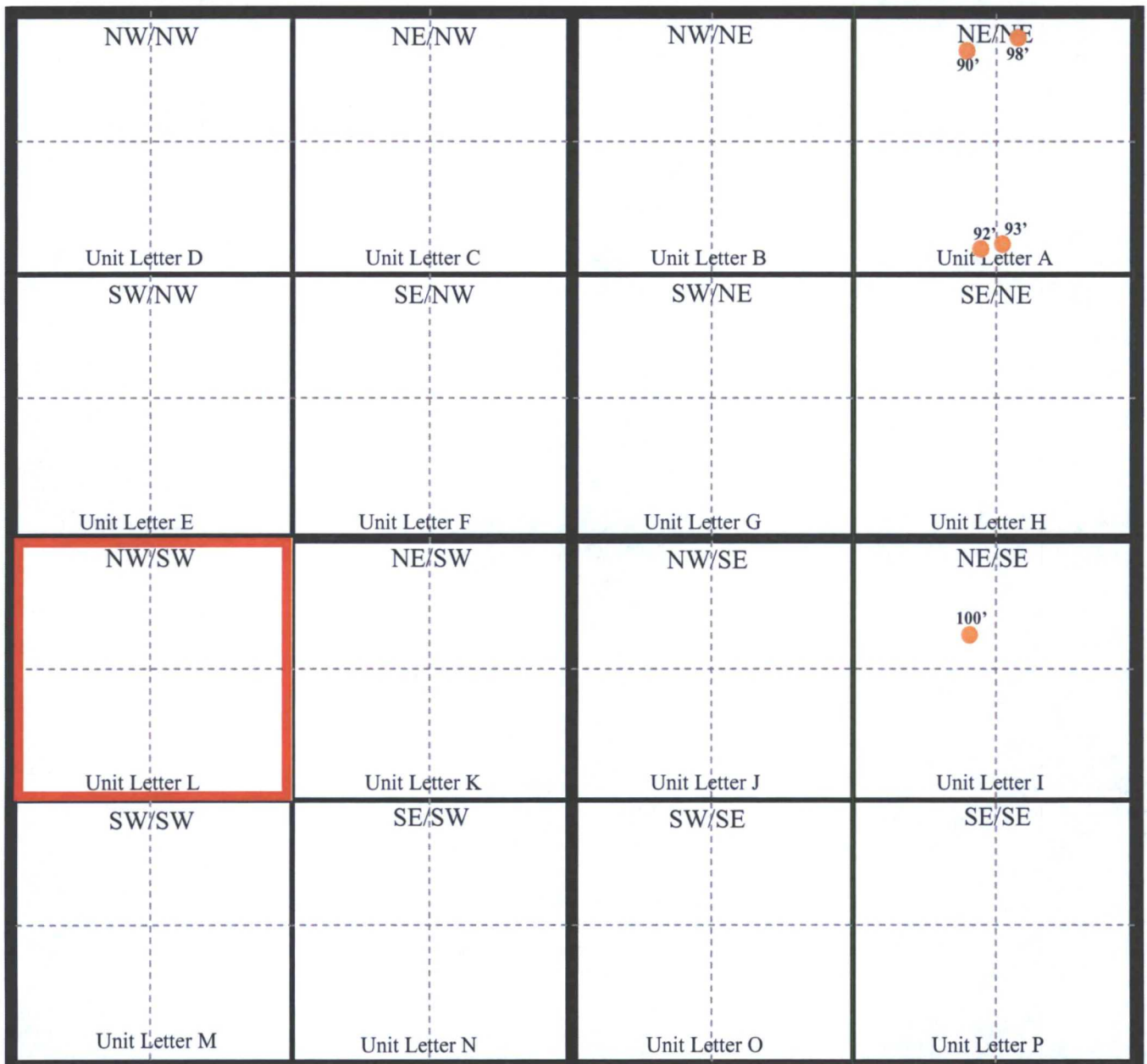
Oxy WA Ramsey NCT C #3 Battery

County      Unit Letter      Section      Township      Range  
Lea      L      36      24S      37E

Trend Map    75'

1

2



3

4

Location    OCD    USGS    SEO    All Databases



Laboratory Analytical Results Summary  
WA Ramesy NCT C #3 Battery

Analyte	Method	Sample	
		Date	2/12/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/12/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/12/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/12/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/13/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/13/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

Analyte	Method	Sample	
		Date	2/13/14
Benzene	BTEX 8021B		mg/Kg
Toluene	BTEX 8021B		mg/Kg
Ethylbenzene	BTEX 8021B		mg/Kg
Total Xylenes	BTEX 8021B		mg/Kg
Total BTEX	BTEX 8021B		mg/Kg
Chloride	SM4500Cl-B		mg/Kg
GRO	TPH 8015M		mg/Kg
DRO	TPH 8015M		mg/Kg

February 25, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RAMSEY #3 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/14 10:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H400483-01)**

BTX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 99.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 96.9 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	<10.0	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H400483-02)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.2 % 61.3-142  
Surrogate: Toluene-d8 104 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	64.3	10.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 98.3 % 65.2-140  
Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H400483-03)**

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.200	0.200	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<b>0.770</b>	0.200	02/25/2014	ND	1.94	97.2	2.00	3.00	
<b>Total Xylenes*</b>	<b>3.26</b>	0.600	02/25/2014	ND	5.86	97.7	6.00	2.33	
<b>Total BTX</b>	<b>4.03</b>	1.20	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.0 % 61.3-142  
Surrogate: Toluene-d8 103 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 247 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>304</b>	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>226</b>	50.0	02/20/2014	ND	194	96.8	200	13.2	
<b>DRO &gt;C10-C28</b>	<b>2630</b>	50.0	02/20/2014	ND	183	91.4	200	14.2	

Surrogate: 1-Chlorooctane 119 % 65.2-140  
Surrogate: 1-Chlorooctadecane 138 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 2 @ 2' (H400483-04)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 2 @ 3' (H400483-05)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.4 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 3 @ 1' (H400483-06)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 99.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	16.9	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H400483-07)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 99.5 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/20/2014	ND	386	96.5	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/12/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H400483-08)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/20/2014	ND	386	96.5	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 4 @ 2' (H400483-09)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.8 % 61.3-142  
 Surrogate: Toluene-d8 101 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 92.4 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 4 @ 4' (H400483-10)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 97.7 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 98.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 4 @ 6' (H400483-11)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEx	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 96.3 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 89.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 5 @ 1' (H400483-12)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3' (H400483-13)**

BTX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.3 % 61.3-142  
Surrogate: Toluene-d8 103 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 97.8 % 65.2-140  
Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 4' (H400483-14)**

BTEX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 94.7 % 61.3-142  
Surrogate: Toluene-d8 101 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 98.8 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/20/2014	ND	400	100	400	3.56		

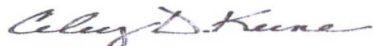
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 92.6 % 65.2-140  
Surrogate: 1-Chlorooctadecane 95.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 1' (H400483-15)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 97.4 % 61.3-142  
Surrogate: Toluene-d8 101 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	22.9	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 95.7 % 65.2-140  
Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 02/18/2014  
Reported: 02/25/2014  
Project Name: RAMSEY #3 BATTERY  
Project Number: NONE GIVEN  
Project Location: JAL, NM

Sampling Date: 02/13/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 3' (H400483-16)**

BTX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.1 % 61.3-142  
Surrogate: Toluene-d8 103 % 71.3-129  
Surrogate: 4-Bromofluorobenzene 99.2 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	02/20/2014	ND	400	100	400	3.56		


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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	

Surrogate: 1-Chlorooctane 91.8 % 65.2-140  
Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 6 @ 5' (H400483-17)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 99.5 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 7 @ 1' (H400483-18)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEX	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 95.7 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 7 @ 2' (H400483-19)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/20/2014	ND	400	100	400	3.56	

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	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	


Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

**Sample ID: SP 7 @ 3' (H400483-20)**

BTEx 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35		
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78		
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00		
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33		
Total BTEx	<0.300	0.300	02/25/2014	ND						

Surrogate: Dibromofluoromethane 96.5 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/20/2014	ND	400	100	400	3.56		

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	02/21/2014	ND	217	109	200	2.56		
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

- 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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager



# CARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

108

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST																																			
Project Manager: Cliff Brunson		City: Hobbs		State: NM Zip: 88241		Company:																																			
Address: P.O. Box 805		Phone #: 575-397-6388		Fax #: 575-397-0397		Attn:																																			
Project #:		Project Owner: Ramsey #3 Battery		City: Hobbs		Address:																																			
Project Location: JAL		State: NM		Zip: 88241		Phone #:																																			
Sample Name: Gary Ray		Fax #:		PRESERV		SAMPLING																																			
FOR LAB USE ONLY		G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING																															
Lab I.D.		Sample I.D.		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		TPH		B-TPX		CL-											
H40083		1 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		10:30		X		X		X											
		2 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		10:45		X		X		X											
		3 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		11:15		X		X		X											
		4 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		11:30		X		X		X											
		5 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		12:00		X		X		X											
		6 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		12:15		X		X		X											
		7 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		12:35		X		X		X											
		8 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		12:50		X		X		X											
		9 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		13:35		X		X		X											
		10 SP 2014-1		X		X		X		X		X		X		X		X		X		2-12-14		14:35		X		X		X											







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	WA Ramsey NCT C #3 Battery	Facility Type	Gathering
Surface Owner	Willis	Mineral Owner	
		API No.30-025-11374(nearest well)	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	36	24S	37E					Lea County, NM

Latitude N 32.17347° Longitude W 103.12348°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	25 bbls oil, 35 bbls produced water	Volume Recovered	0 bbls
Source of Release	The bottom of the separator ruptured causing the vessel to fall over	Date and Hour of Occurrence	02/04/2014	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		
By Whom?	Kathy Purvis	Date and Hour	02/05/2014 @ 4:01 pm		
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 bottom of the separator ruptured causing the vessel to fall over and leak 25 bbls of oil and 35 bbls of water to leak onto the ground. No fluids were recovered.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 250' x 250' on location and traveling South and East into the pasture. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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.

**OIL CONSERVATION DIVISION**

Signature: 

Printed Name: Chancey Summers

Title: HES Specialist

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

Date: 2-6-14 Phone: (575) 397-8216

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary