

**REVIEWED**

By Kellie Jones at 3:44 pm, Jan 22, 2016

Closure Re

**APPROVED**

By Kellie Jones at 3:44 pm, Jan 22, 2016

**Site Description**

Site Name:	NM CE State Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 6, T19S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.69072° W 103.29523°

**Release Data**

Date of Release:	Unknown, historical
Type of Release:	Unknown, historical
Source of Release:	Unknown, historical
Volume of Release:	Unknown, historical
Volume Recovered:	0 bbls

**Remediation Specifications**

Remediation Parameters:	Excavate the entire leak area to a depth of 5 ft. Place a liner in the excavation near SB1, SB2, & SB3. Backfill the site with clean soil.
Remediation Activities:	10/01/2015 to 11/02/2015

Plan Sent to OCD:	09/28/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	09/30/2015	Email from Jamie Keyes 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 07/23/2015
Final C-141	Signed 01/14/2016
Site Diagram	May 2015
Groundwater Plot	50'-75'
TOPO Maps	May 2015
Lab Summary	05/27/2015-05/28/2015 and 07/22/2015
Lab Analysis	05/27/2015-05/28/2015 and 07/22/2015
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.

01/18/2016

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	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	NM CE State Battery	Facility Type	Abandoned battery site
Surface Owner	DCP Midstream	Mineral Owner	API No. 30-025-05565

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	6	19S	37E					Lea County, NM

Latitude N 32.69072° Longitude W 103.29523°

### NATURE OF RELEASE

Type of Release	Unknown, historical	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Unknown, historical	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? n/a			
By Whom?	n/a	Date and Hour n/a			
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.\*

This is a former battery that has been abandoned. Contamination on this site is historical in nature.

Describe Area Affected and Cleanup Action Taken.\*

This site will be assessed and delineated. Once samples are collected, the results of the sample analysis will be discussed with the NMOCD to develop a remediation plan. Then, remediation will be completed in accordance with the 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.

Signature: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Lead	Approval Date:	Expiration Date:	
E-mail Address: <a href="mailto:Chancey_Summers@oxy.com">Chancey_Summers@oxy.com</a>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-23-15</u> Phone: (432) 685-5824			

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	NM CE State Battery	Facility Type	Abandoned battery site
Surface Owner	DCP Midstream	Mineral Owner	API No. 30-025-05565

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	6	19S	37E					Lea County, NM

Latitude N 32.69072° Longitude W 103.29523°

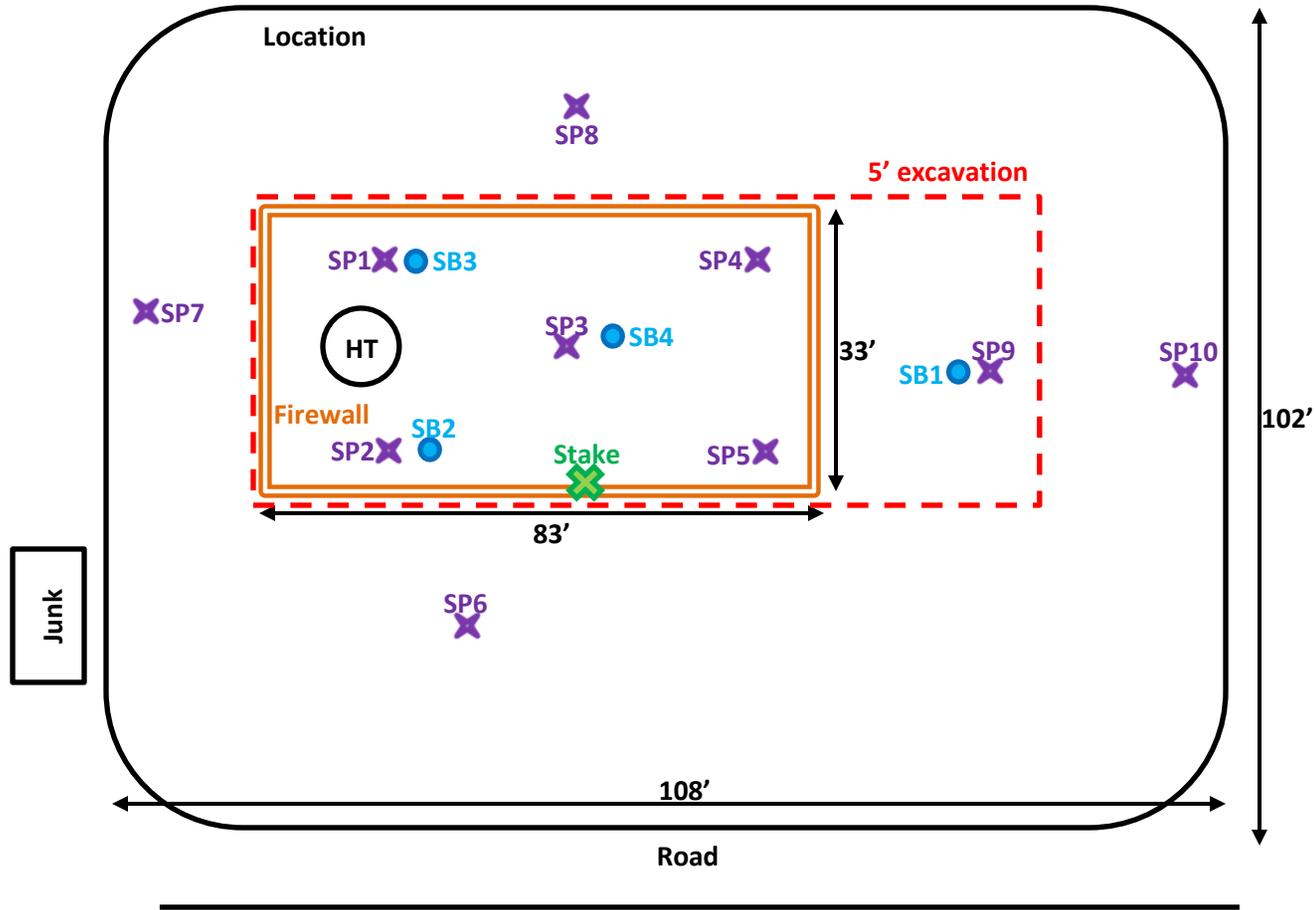
**NATURE OF RELEASE**

Type of Release	Unknown, historical	Volume of Release	Unknown	Volume Recovered	0 bbls
Source of Release	Unknown, historical	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? n/a			
By Whom?	n/a	Date and Hour	n/a		
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.*  This is a former battery that has been abandoned. Contamination on this site is historical in nature.					
Describe Area Affected and Cleanup Action Taken.*  This site will be assessed and delineated. Once samples are collected, the results of the sample analysis will be discussed with the NMOCD to develop a remediation plan. Remediation was completed in accordance with the remediation plan approved by Kellie Jones of NMOCD on 08/14/2015.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature:	<b>OIL CONSERVATION DIVISION</b>				
Printed Name: Casey Summers	Approved by Environmental Specialist:				
Title: NM Environmental Advisor	Approval Date:	Expiration Date:			
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:				Attached <input type="checkbox"/>
Date: 1-14-16	Phone: (575) 513-8289				

\* Attach Additional Sheets If Necessary



Oxy  
NM CE State Battery



NW ¼, Section 6, T19S, R37E  
Lea County, NM  
N 32.69072° W 103.29523°

<b>BBC International, Inc.</b>	
<b>Oxy</b> <b>NM CE State Battery</b>	
Date: 05/26/2015	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy Recl. 2015

# Groundwater Plot

## Oxy NM CE State Battery

County  
Lea

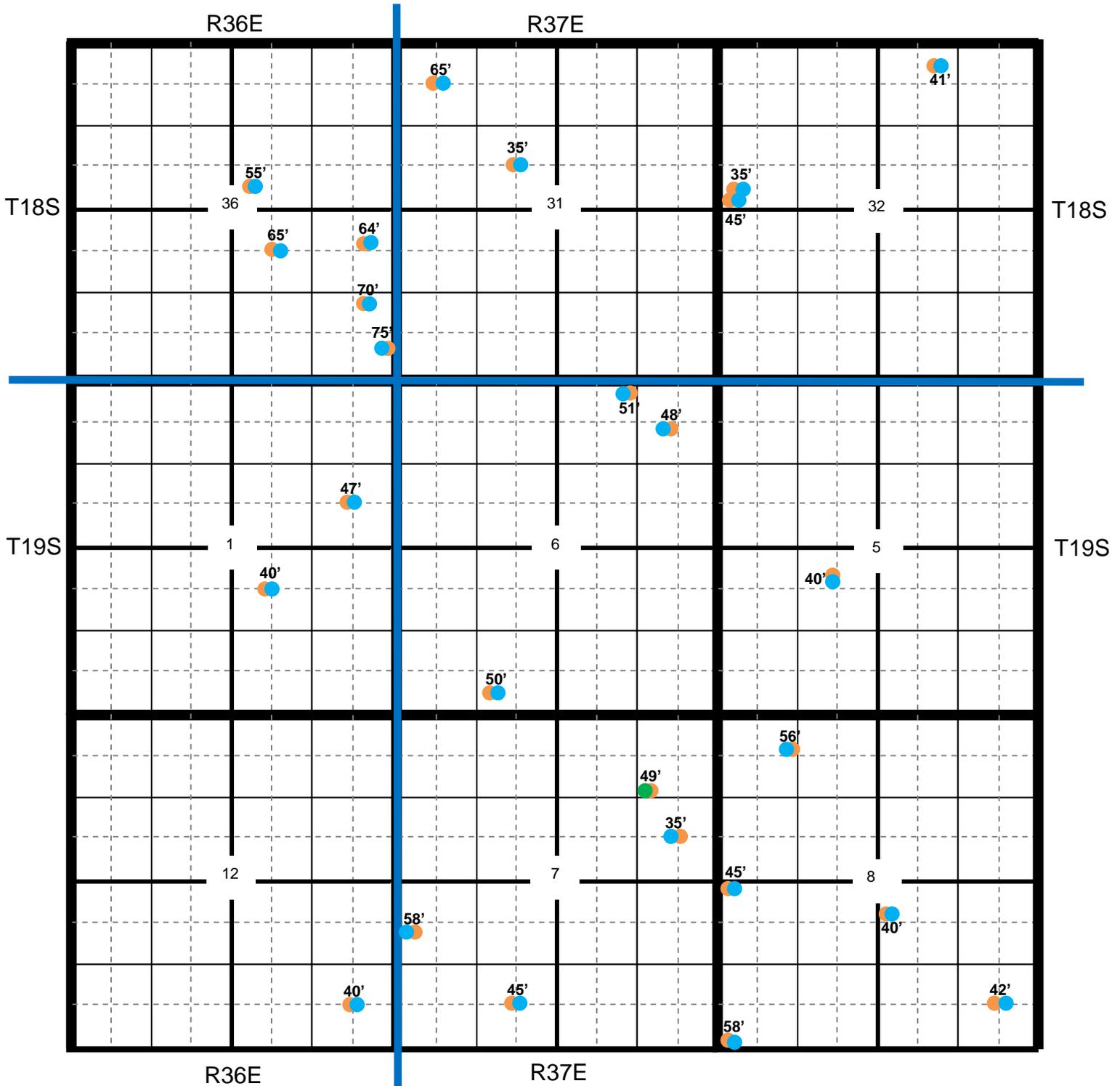
Unit Letter  
NW ¼

Section  
6

Township  
19S

Range  
37E

Trend Map 50'-75'



Location

OCD

USGS

SEO

All Databases

Oxy NM CE State Battery

County: Lea      Unit Letter: NW ¼      Section: 6      Township: 19S      Range: 37E

Trend Map 50'-75'

1

2



3

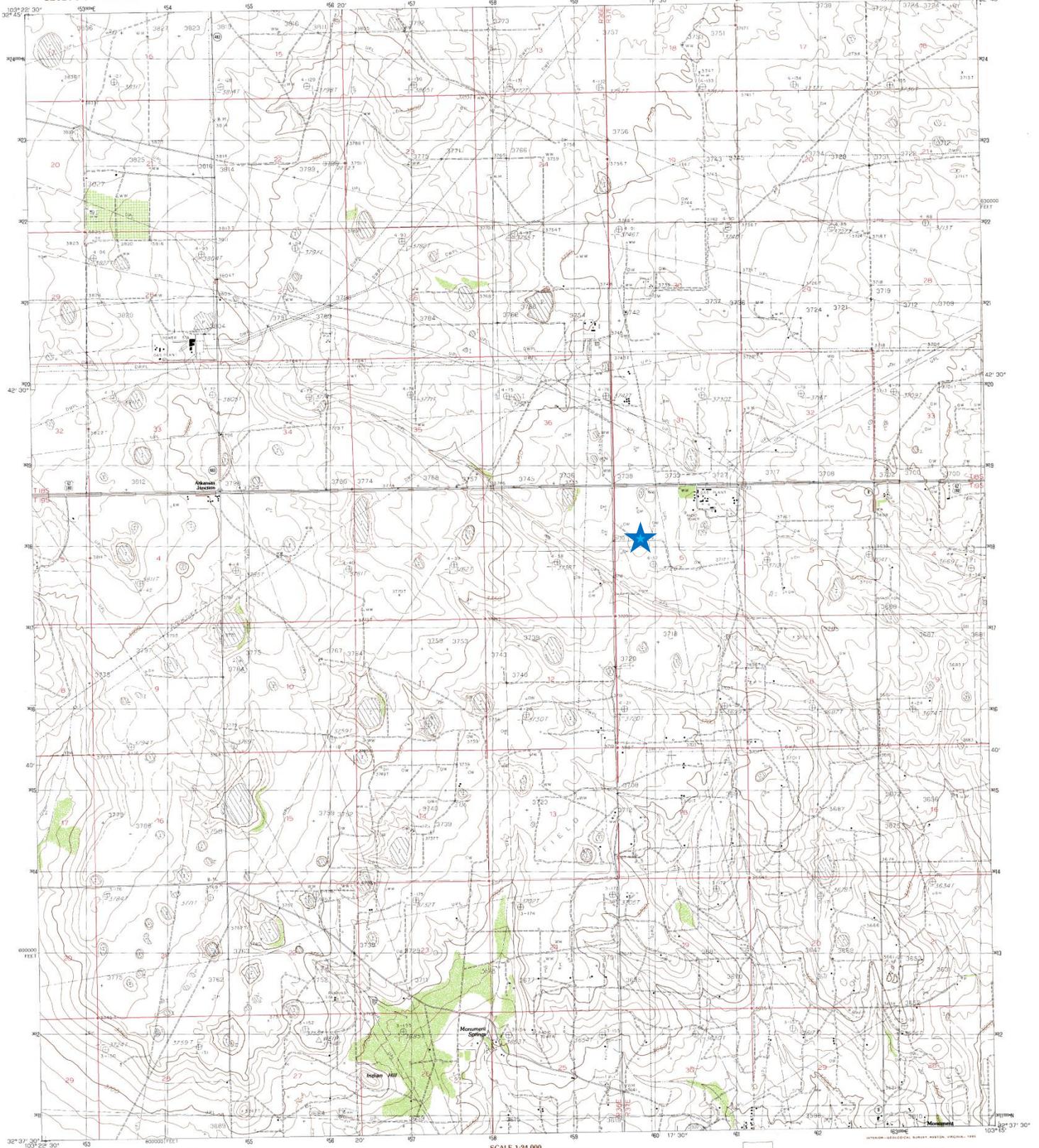
4

# Oxy

## NM CE State Battery

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY AERIAL PHOTOGRAPHS TAKEN 1978  
FIELD CHECKED 1979  
PROJECTION TRANSVERSE MERCATOR  
GRID 100-METER UNIVERSAL TRANSVERSE MERCATOR  
UTM GRID DECLINATION FROM 1983  
VERTICAL DATUM 1927 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (9 meters south and 45 meters east).  
There may be private subdivisions within the boundaries of any Federal and State Reservations shown on this map.

**PROVISIONAL MAP**  
Produced from original manuscript drawings. Information shown as of date of field check.



**ROAD LEGEND**  
Improved Road  
Unimproved Road  
Trail  
Interstate Route U.S. Route State Route

1	2	3	1 Livingston SW
4	5	6	2 Livingston SE
7	8	9	3 Indian Hill SW
			4 Indian Hill SE
			5 Monument SW
			6 Monument SE
			7 Indian Hill SW
			8 Indian Hill SE

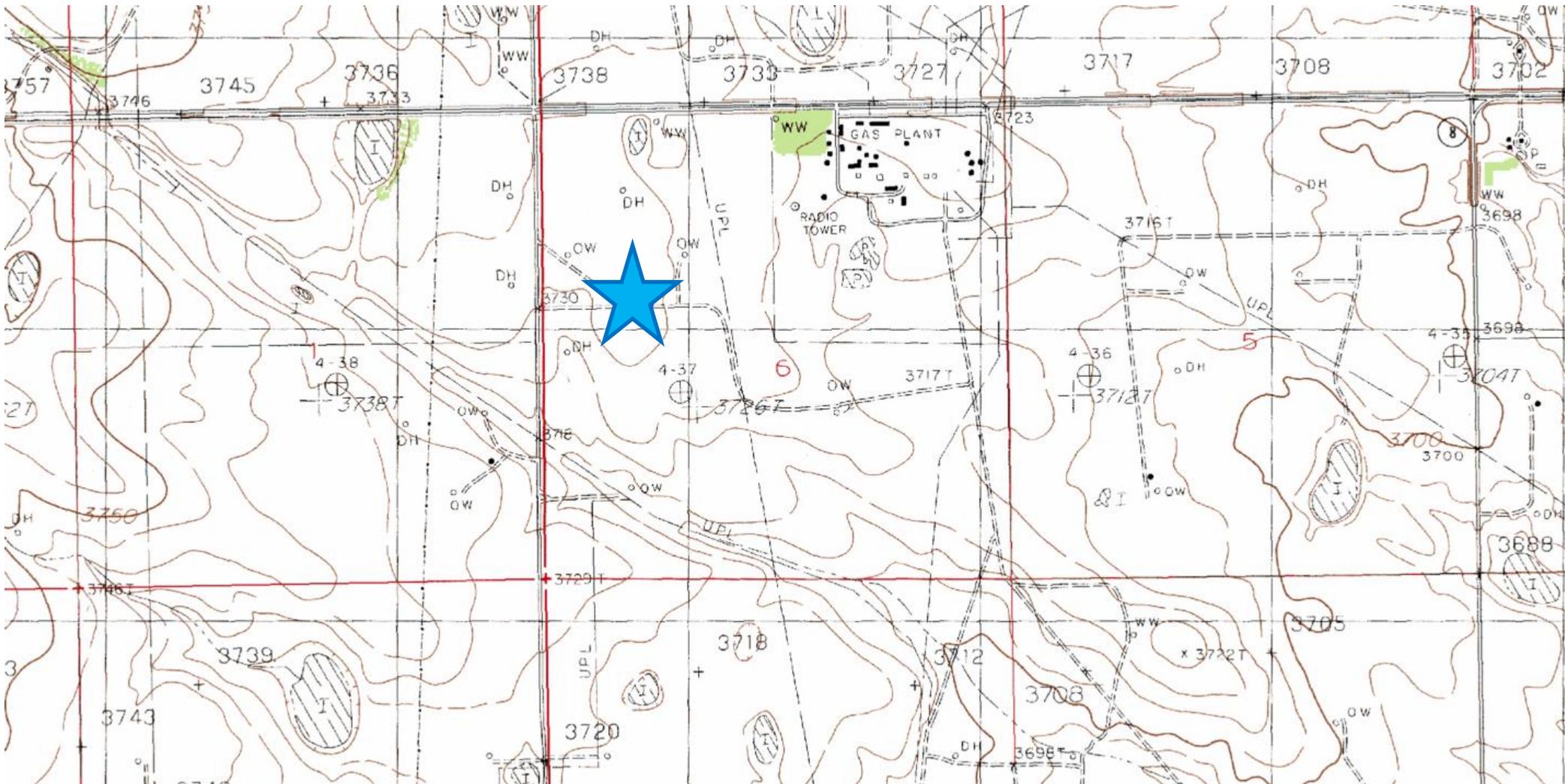
ADJOINING 15 QUADRANGLE NAMES

MONUMENT NORTH, NEW MEXICO  
PROVISIONAL EDITION 1985  
32103-F3-TP-024

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

# Oxy

## NM CE State Battery



**Laboratory Analytical Results Summary  
NMCE State Battery**

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
			5/27/15	5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<b>3480</b>	<b>784</b>	<b>912</b>	<b>768</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
			5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	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	SM4500CI-B		<b>2040</b>	<b>2640</b>	<b>3040</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'
			5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	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	SM4500CI-B		<16.0	<b>96</b>	<b>496</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<b>14.1</b>	<b>122</b>

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 3'	SP4 @ 4'
			5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	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	SM4500CI-B		<16.0	<b>32</b>	<b>560</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<b>190</b>	<b>13</b>	<b>201</b>

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 3'	SP5 @ 4'
			5/27/15	5/27/15	5/27/15
			mg/Kg	mg/Kg	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	SM4500CI-B		<b>2720</b>	<16.0	<b>592</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<b>92.1</b>

Analyte	Method	Sample Date	SP6 @ 1'	SP6 @ 2'
			5/28/15	5/28/15
			mg/Kg	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	SM4500CI-B		<16.0	<b>96</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<b>494</b>	<b>15.5</b>

Analyte	Method	Sample Date	SP7 @ 1'	SP7 @ 2'
			5/28/15	5/28/15
			mg/Kg	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	SM4500CI-B		<b>64</b>	<b>80</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<b>171</b>	<10.0

Analyte	Method	Sample Date	SP8 @ 1'	SP8 @ 2'
			5/28/15	5/28/15
			mg/Kg	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	SM4500CI-B		<b>32</b>	<b>96</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<b>23.8</b>	<b>56.6</b>

**Laboratory Analytical Results Summary  
NMCE State Battery**

		Sample	SP9 @ 1'	SP9 @ 2'
Analyte	Method	Date	5/28/15	5/28/15
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>2840</b>	<b>1230</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0

		Sample	SP10 @ SURFACE	SP10 @ 1'
Analyte	Method	Date	7/22/15	7/22/15
			mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0

		Sample	SB1 @ 3'	SB1 @ 5'	SB1 @ 10'	SB1 @ 15'	SB1 @ 20'
Analyte	Method	Date	7/22/15	7/22/15	7/22/15	7/22/15	7/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>2560</b>	<b>3800</b>	<b>960</b>	<b>64</b>	<b>96</b>

		Sample	SB2 @ 5'	SB2 @ 10'	SB2 @ 15'	SB2 @ 17'
Analyte	Method	Date	7/22/15	7/22/15	7/22/15	7/22/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>4440</b>	<b>784</b>	<b>64</b>	<b>64</b>

		Sample	SB3 @ 6'	SB3 @ 11'	SB3 @ 12'
Analyte	Method	Date	7/22/15	7/22/15	7/22/15
			mg/Kg	mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>592</b>	<b>48</b>	<b>48</b>

		Sample	SB4 @ 5'	SB4 @ 6'
Analyte	Method	Date	7/22/15	7/22/15
			mg/Kg	mg/Kg
<b>Chloride</b>	SM4500Cl-B		<b>128</b>	<b>160</b>



June 10, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NMCE STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/03/15 15:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 1 @ 1' (H501432-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3480</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	182	91.2	200	0.615	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	199	99.6	200	0.553	

*Surrogate: 1-Chlorooctane 103 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 126 % 52.1-176*

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:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 1 @ 3' (H501432-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	182	91.2	200	0.615	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	199	99.6	200	0.553	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 133 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 1 @ 4' (H501432-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>912</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36	

*Surrogate: 1-Chlorooctane 98.1 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 122 % 52.1-176*

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**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 1 @ 5' (H501432-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>768</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 2 @ 1' (H501432-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2040</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 2 @ 3' (H501432-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2640</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 123 % 52.1-176

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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 2 @ 4' (H501432-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3040</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57		
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 99.9 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 124 % 52.1-176*

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**Analytical Results For:**

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 Cliff Brunson  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 3 @ 1' (H501432-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/04/2015	ND	178	89.1	200	4.57	
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	193	96.3	200	5.36	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 127 % 52.1-176

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**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 3 @ 3' (H501432-09)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>96.0</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>14.1</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 105 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 131 % 52.1-176*

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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 3 @ 4' (H501432-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>496</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>122</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 110 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 140 % 52.1-176*

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Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 4 @ 1' (H501432-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>190</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 102 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 132 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 4 @ 3' (H501432-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>13.0</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 104 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 130 % 52.1-176*

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

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 4 @ 4' (H501432-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>560</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>201</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 112 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 137 % 52.1-176*

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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 5 @ 1' (H501432-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
DRO >C10-C28	<10.0	10.0	06/05/2015	ND	193	96.3	200	5.36		

Surrogate: 1-Chlorooctane 97.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 5 @ 3' (H501432-15)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
DRO >C10-C28	<10.0	10.0	06/05/2015	ND	193	96.3	200	5.36		

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 133 % 52.1-176

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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/27/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 5 @ 4' (H501432-16)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>592</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>92.1</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 113 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 141 % 52.1-176*

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**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 6 @ 1' (H501432-17)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>494</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 151 % 52.1-176

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 6 @ 2' (H501432-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935	
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973	
Total BTEX	<0.300	0.300	06/05/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57	
<b>DRO &gt;C10-C28</b>	<b>15.5</b>	10.0	06/05/2015	ND	193	96.3	200	5.36	

*Surrogate: 1-Chlorooctane 105 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 131 % 52.1-176*

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 Cliff Brunson  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 7 @ 1' (H501432-19)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
<b>DRO &gt;C10-C28</b>	<b>171</b>	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 105 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 151 % 52.1-176*

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Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 7 @ 2' (H501432-20)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2015	ND	2.32	116	2.00	0.935		
Toluene*	<0.050	0.050	06/05/2015	ND	2.06	103	2.00	0.220		
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	2.04	102	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.99	99.8	6.00	0.973		
Total BTEX	<0.300	0.300	06/05/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57		
DRO >C10-C28	<10.0	10.0	06/05/2015	ND	193	96.3	200	5.36		

*Surrogate: 1-Chlorooctane 100 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 120 % 52.1-176*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 8 @ 1' (H501432-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.10	105	2.00	0.975	
Toluene*	<0.050	0.050	06/05/2015	ND	1.88	93.9	2.00	0.635	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	1.85	92.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.34	89.0	6.00	1.42	
Total BTEX	<0.300	0.300	06/05/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57	
<b>DRO &gt;C10-C28</b>	<b>23.8</b>	10.0	06/05/2015	ND	193	96.3	200	5.36	

*Surrogate: 1-Chlorooctane 103 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 131 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 8 @ 2' (H501432-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2015	ND	2.10	105	2.00	0.975	
Toluene*	<0.050	0.050	06/05/2015	ND	1.88	93.9	2.00	0.635	
Ethylbenzene*	<0.050	0.050	06/05/2015	ND	1.85	92.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/05/2015	ND	5.34	89.0	6.00	1.42	
Total BTEX	<0.300	0.300	06/05/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	06/09/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/05/2015	ND	178	89.1	200	4.57	
<b>DRO &gt;C10-C28</b>	<b>56.6</b>	10.0	06/05/2015	ND	193	96.3	200	5.36	

*Surrogate: 1-Chlorooctane 98.1 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 126 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 9 @ 1' (H501432-23)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2015	ND	2.10	105	2.00	0.975		
Toluene*	<0.050	0.050	06/06/2015	ND	1.88	93.9	2.00	0.635		
Ethylbenzene*	<0.050	0.050	06/06/2015	ND	1.85	92.5	2.00	1.03		
Total Xylenes*	<0.150	0.150	06/06/2015	ND	5.34	89.0	6.00	1.42		
Total BTEX	<0.300	0.300	06/06/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2840</b>	16.0	06/09/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/04/2015	ND	182	91.1	200	4.08		
DRO >C10-C28	<10.0	10.0	06/04/2015	ND	171	85.6	200	7.32		

Surrogate: 1-Chlorooctane 87.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.9 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	06/03/2015	Sampling Date:	05/28/2015
Reported:	06/10/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

**Sample ID: SP 9 @ 2' (H501432-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2015	ND	2.10	105	2.00	0.975	
Toluene*	<0.050	0.050	06/06/2015	ND	1.88	93.9	2.00	0.635	
Ethylbenzene*	<0.050	0.050	06/06/2015	ND	1.85	92.5	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/06/2015	ND	5.34	89.0	6.00	1.42	
Total BTEX	<0.300	0.300	06/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1230</b>	16.0	06/09/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/05/2015	ND	182	91.1	200	4.08	
DRO >C10-C28	<10.0	10.0	06/05/2015	ND	171	85.6	200	7.32	

Surrogate: 1-Chlorooctane 82.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.4 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



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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

13

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: NM CE State Battery

Project Location: MOUNTAIN VIEW

Sampler Name: Jeff Ornelas

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D. Sample I.D.

H501438

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
1	SP101	G	1	X	X	X	X	X	X	X	5:27	030	X	X	X	
2	SP34	G	1	X	X	X	X	X	X	X	050	050	X	X	X	
3	SP45	G	1	X	X	X	X	X	X	X	910	910	X	X	X	
4	SP201	G	1	X	X	X	X	X	X	X	925	925	X	X	X	
5	SP201	G	1	X	X	X	X	X	X	X	1010	1010	X	X	X	
6	SP301	G	1	X	X	X	X	X	X	X	1048	1048	X	X	X	
7	SP301	G	1	X	X	X	X	X	X	X	1100	1100	X	X	X	
8	SP301	G	1	X	X	X	X	X	X	X	1146	1146	X	X	X	
9	SP301	G	1	X	X	X	X	X	X	X	1205	1205	X	X	X	
10	SP301	G	1	X	X	X	X	X	X	X	1229	1229	X	X	X	

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Relinquished By: Jeff Ornelas

Date: 6-3-15

Time: 5:40

Received By: Scott Henderson

Date: 6-3-15

Time: 5:40

Received By: Scott Henderson

Relinquished By: Jeff Ornelas

Date: 6-3-15

Time: 5:40

Received By: Scott Henderson

Date: 6-3-15

Time: 5:40

Received By: Scott Henderson

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: -1.20

Sample Condition

Cool Intact

Yes No

Checked By: (Initials)

Phone Result: Yes No

Add'l Phone #:

Add'l Fax #:

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



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

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

2/3

Company Name: **BBC International, Inc.** P.O. #: **BILL TO**  
 Project Manager: **Cliff Brunson** Company: **BBC**  
 Address: **P.O. Box 805** Attn:   
 City: **Hobbs** State: **NM** Zip: **88241**  
 Phone #: **575-397-6388** Fax #: **575-397-0397**  
 Project #:  Project Owner: **OHY**  
 Project Name: **NM CE Site Battery** City: **Serge**  
 Project Location: **Mountain View** State:  Zip:   
 Sampler Name: **Roger Hammond** Phone #:   
 FOR LAB USE ONLY Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	TPH	BTEX	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
H501439	SP401	G	1	X									5-22	140	X	X	X
	3	G	1	X										219	X	X	X
	4	G	1	X										234	X	X	X
	SP501	G	1	X										300	X	X	X
	3	G	1	X										318	X	X	X
	4	G	1	X										325	X	X	X
	SP601	G	1	X										840	X	X	X
	2	G	1	X										900	X	X	X
	SP701	G	1	X										945	X	X	X
	2	G	1	X										101	X	X	X

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Relinquished By: **West Daniels** Date: **6:315** Received By: **Scott Jensen** Phone Result:  Yes  No Add'l Phone #:   
 Date: **5:40** Time:  Received By:  Fax Result:  Yes  No Add'l Fax #:   
 Delivered By: (Circle One) **UPS** Sample Condition:  Cool  Intact  Yes  No  Yes  No CHECKED BY: **[Signature]**  
 Sampler - UPS - Bus - Other: **-1.20** #54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #: Company:

Address: P.O. Box 805 State: NM Zip: 88241 Attn:

City: Hobbs State: NM Zip: 88241 Address: *Same*

Phone #: 575-397-6388 Fax #: 575-397-0397 City: State: zip:

Project #: Project Owner: *OXY*

Project Name: *NM CE State Bathy*

Project Location: *Monument, NM*

Sampler Name: *Royce Harwood* Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	CV
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<i>H501432</i>																
	<i>SP 801</i>			X	X	X	X	X	X	X		<i>5:28</i>	<i>11:00</i>	X	X	X
	<i>SP 901</i>			X	X	X	X	X	X	X		<i>12:19</i>	<i>12:19</i>	X	X	X
	<i>SP 902</i>			X	X	X	X	X	X	X		<i>17:52</i>	<i>17:52</i>	X	X	X

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Relinquished By: *WFF Daniels* Date: *8-3-05* Received By: *Shadi Alwan*

Time: *3:40* Date: *8-3-05* Received By: *Shadi Alwan*

Delivered By: (Circle One) *-1.20* Sample Condition: Cool  Intact  Yes  No  Yes  No  No

Sampler - UPS - Bus - Other: *-1.20* CHECKED BY: *[Signature]* (Initials)

Phone Result:  Yes  No  Add'l Phone #: *#54*

Fax Result:  Yes  No  Add'l Fax #: *#54*

REMARKS:

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



July 30, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NMCE STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/23/15 11:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/23/2015	Sampling Date:	07/22/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MONUMENT, NM		

**Sample ID: SB1 @ 3 (H501919-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB1 @ 5 (H501919-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB1 @ 10 (H501919-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB1 @ 15 (H501919-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/29/2015	ND	416	104	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/23/2015	Sampling Date:	07/22/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MONUMENT, NM		

**Sample ID: SB1 @ 20 (H501919-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB2 @ 5 (H501919-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4440	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB2 @ 10 (H501919-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB2 @ 15 (H501919-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB2 @ 17 (H501919-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/29/2015	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/23/2015	Sampling Date:	07/22/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MONUMENT, NM		

**Sample ID: SB3 @ 6 (H501919-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB3 @ 11 (H501919-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB3 @ 12 (H501919-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB4 @ 5 (H501919-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SB4 @ 6 (H501919-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/29/2015	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/23/2015	Sampling Date:	07/22/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	NMCE STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MONUMENT, NM		

**Sample ID: SP10 @ SURFACE (H501919-15)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/29/2015	ND	416	104	400	3.92	

**Sample ID: SP10 @ 1 (H501919-16)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/29/2015	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

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

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: *WMC St. Bathers*

Project Location:

Sampler Name: *PH*

FOR LAB USE ONLY

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	X
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:				
<i>H501219</i>	<i>SB103</i>		<i>5</i>							<i>712</i>	<i>732</i>	<i>X</i>	
	<i>05</i>		<i>1</i>							<i>749</i>	<i>753</i>	<i>X</i>	
	<i>010</i>		<i>1</i>							<i>800</i>	<i>810</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>820</i>	<i>831</i>	<i>X</i>	
	<i>020</i>		<i>1</i>							<i>840</i>	<i>850</i>	<i>X</i>	
	<i>SB205</i>		<i>1</i>							<i>850</i>	<i>860</i>	<i>X</i>	
	<i>010</i>		<i>1</i>							<i>870</i>	<i>880</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>890</i>	<i>900</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>910</i>	<i>920</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>930</i>	<i>940</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>950</i>	<i>960</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>970</i>	<i>980</i>	<i>X</i>	
	<i>015</i>		<i>1</i>							<i>990</i>	<i>1000</i>	<i>X</i>	
	<i>SB206</i>		<i>1</i>							<i>1010</i>	<i>1020</i>	<i>X</i>	

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Relinquished By: *[Signature]*

Date: *7-23-15*

Time: *9:00*

Received By: *[Signature]*

Date: *7-23-15*

Time: *11:08*

Received By: *[Signature]*

Relinquished By: *[Signature]*

Date: *7-23-15*

Time: *11:08*

Received By: *[Signature]*

Date: *7-23-15*

Time: *11:08*

Received By: *[Signature]*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition  
Cool  Intact   
Yes  No

CHECKED BY: *[Signature]*  
(Initials)

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

REMARKS:

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

*#54*



**ARDINAL LABORATORIES**

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

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

2/2

Company Name: BBC International, Inc.  
Project Manager: Cliff Brunson  
Address: P. O. Box 805  
City: Hobbs  
Phone #: 575-397-6388  
Project #:   
Project Name:   
Project Location:   
Sampler Name:   
FOR LAB USE ONLY

P. O. #:   
Company:   
Attn:   
Address:   
City:   
State:   
Phone #:   
Fax #:

**BILL TO**  
**ANALYSIS REQUEST**

State: NM Zip: 88241  
Fax #: 575-397-0397  
Project Owner: OXY  
NM SE St. Battery  
BH  
State: NM Zip:   
Phone #:   
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV.			
H50919	SB3011	G	1			X					7-22	911	
	SB405	G	1			X					6:20	911	
	SP100 SURFACE	G	1			X					6:05	911	
		G	1			X					10:00	911	
		G	1			X					10:12	911	

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Relinquished By: *Robert H. S* Date: 7-23-15  
Received By: *Walt Dimples*  
Delivered By: (Circle One) *Walt Dimples*  
Sampler - UPS - Bus - Other: *0.8c*  
CHECKED BY: *Judith Garcia*  
Sample Condition:  Cool  Intact  Yes  No

Phone Result:  Yes  No Add'l Phone #:   
Fax Result:  Yes  No Add'l Fax #:   
REMARKS:   
#54

## Kathy Purvis

---

**From:** Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>  
**Sent:** Wednesday, September 30, 2015 4:04 PM  
**To:** Cliff Brunson; Jones, Kellie, EMNRD  
**Cc:** Oberding, Tomas, EMNRD; Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY - NM CE State Battery - Remediation Plan

Good afternoon,

The work plan is approved with the following condition: Due to groundwater depth of approximately 50ft and contamination to at least 10ft bgs the regulatory threshold for contamination is 250ppm, therefore OCD requests that a liner be installed around SB1, SB2, and SB3.

Thank you,

Jamie

---

**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Monday, September 28, 2015 4:36 PM  
**To:** Jones, Kellie, EMNRD  
**Cc:** Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Dusty Wilson; [Jennifer\\_Duarte@oxy.com](mailto:Jennifer_Duarte@oxy.com); Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY - NM CE State Battery - Remediation Plan

Kellie,

This e-mail is to confirm our discussion today concerning the remediation plan for the Oxy NM CE State Battery. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

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

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