

**RECEIVED**

By JKeyes at 9:37 am, Jan 19, 2016

Closure Report

**APPROVED**

By JKeyes at 9:37 am, Jan 19, 2016

**Site Description**

Site Name:	Kelly State Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L L, Section 16, T23S, R37E
County:	Lea County, NM
GPS Coordinates:	N 32.30073° W 103.17226°

**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:	Surface scrape the areas around SP1, SP2, SP3, and SP4. Remove part of the road. Backfill, contour, and seed the excavated area.
Remediation Activities:	12/08/2015 to 01/08/2016

Plan Sent to OCD:	08/17/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	08/20/2015	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	July 2015
Groundwater Plot	100'
TOPO Maps	July 2015
Lab Summary	07/23/2015
Lab Analysis	07/23/2015
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

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**  Initial Report  Final Report

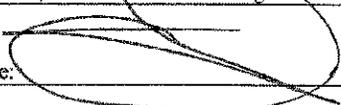
Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5824
Facility Name	Kelly State Battery	Facility Type	Abandoned battery site
Surface Owner	State	Mineral Owner	API No. 30-025-10744

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	23S	37E					Lea County, NM

Latitude N 32.30073° Longitude W 103.17226°

**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: 		<b>OIL CONSERVATION DIVISION</b>			
Printed Name: Chancey Summers		Approved by Environmental Specialist:			
Title: HES Lead		Approval Date:		Expiration Date:	
E-mail Address: <u>Chancey_Summers@oxy.com</u>		Conditions of Approval:			Attached <input type="checkbox"/>
Date: <u>2-23-15</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  
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	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Kelly State Battery	Facility Type	Abandoned battery site
Surface Owner	State	Mineral Owner	API No. 30-025-10744

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	16	23S	37E					Lea County, NM

Latitude N 32.30073° Longitude W 103.17226°

**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.\*

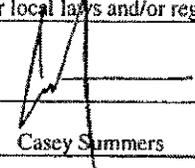
This is a former battery that has been abandoned. Contamination on this site is historical in nature.

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 NMOCDC to develop a remediation plan. Remediation was completed in accordance with the remediation plan approved by Kellie Jones of NMOCDC via email on 08/20/2015.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDC 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 NMOCDC 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, NMOCDC 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.

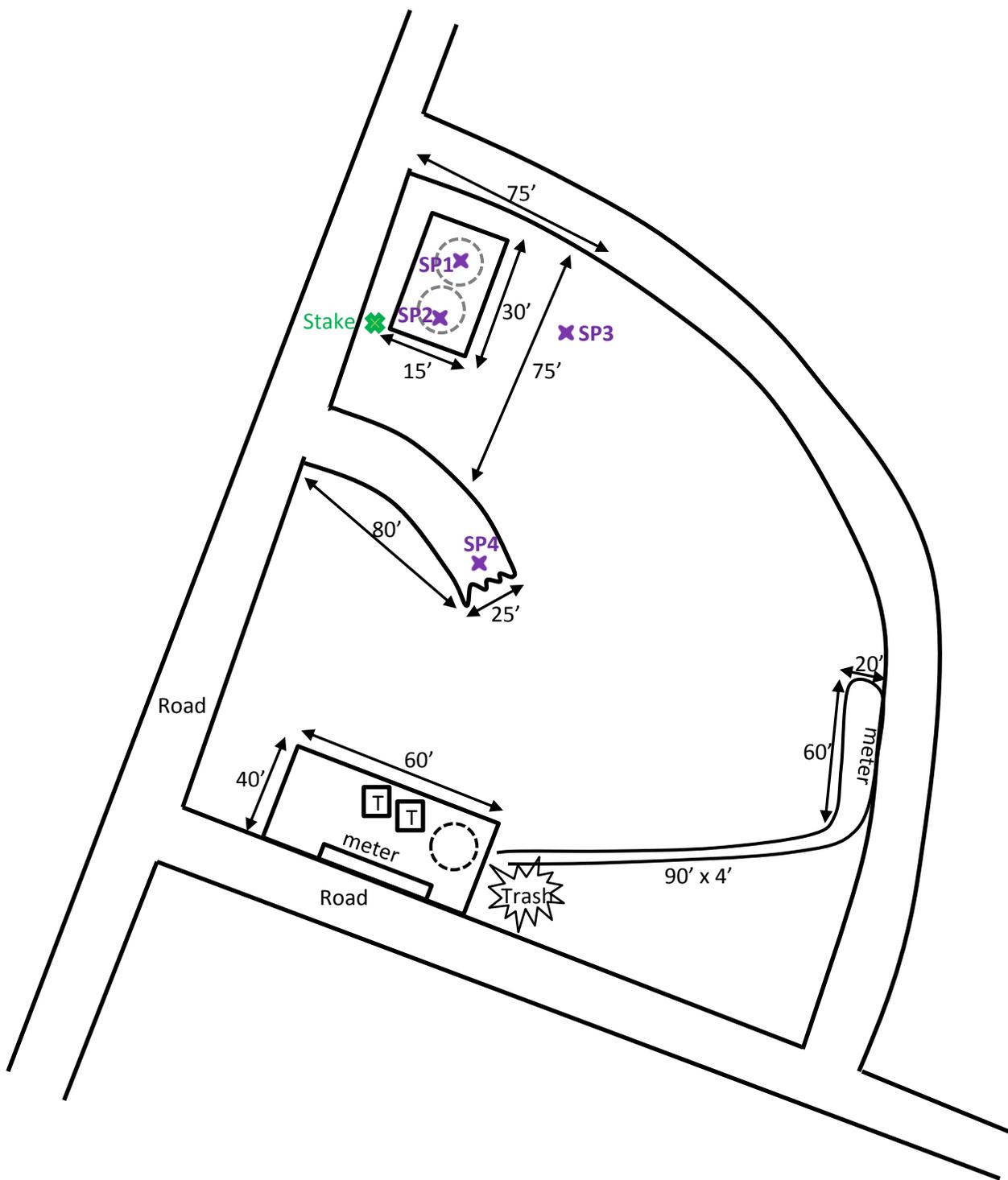
**OIL CONSERVATION DIVISION**

Signature:			
Printed Name: Casey Summers	Approved by Environmental Specialist: 		
Title: NM Environmental Advisor	Approval Date: 01/19/2016	Expiration Date: ///	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-14-16 Phone: (575) 513-8289	///		IRP 3815

\* Attach Additional Sheets If Necessary



Oxy  
Kelly State Battery



SW ¼, Section 16, T23S, R37E  
Lea County, NM  
N 32.30073° W 103.17226°

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Kelly State Battery</b>	
Date: 7/14/15	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy Rec. 2015

# Groundwater Plot

## Oxy Kelly State Battery

County  
Lea

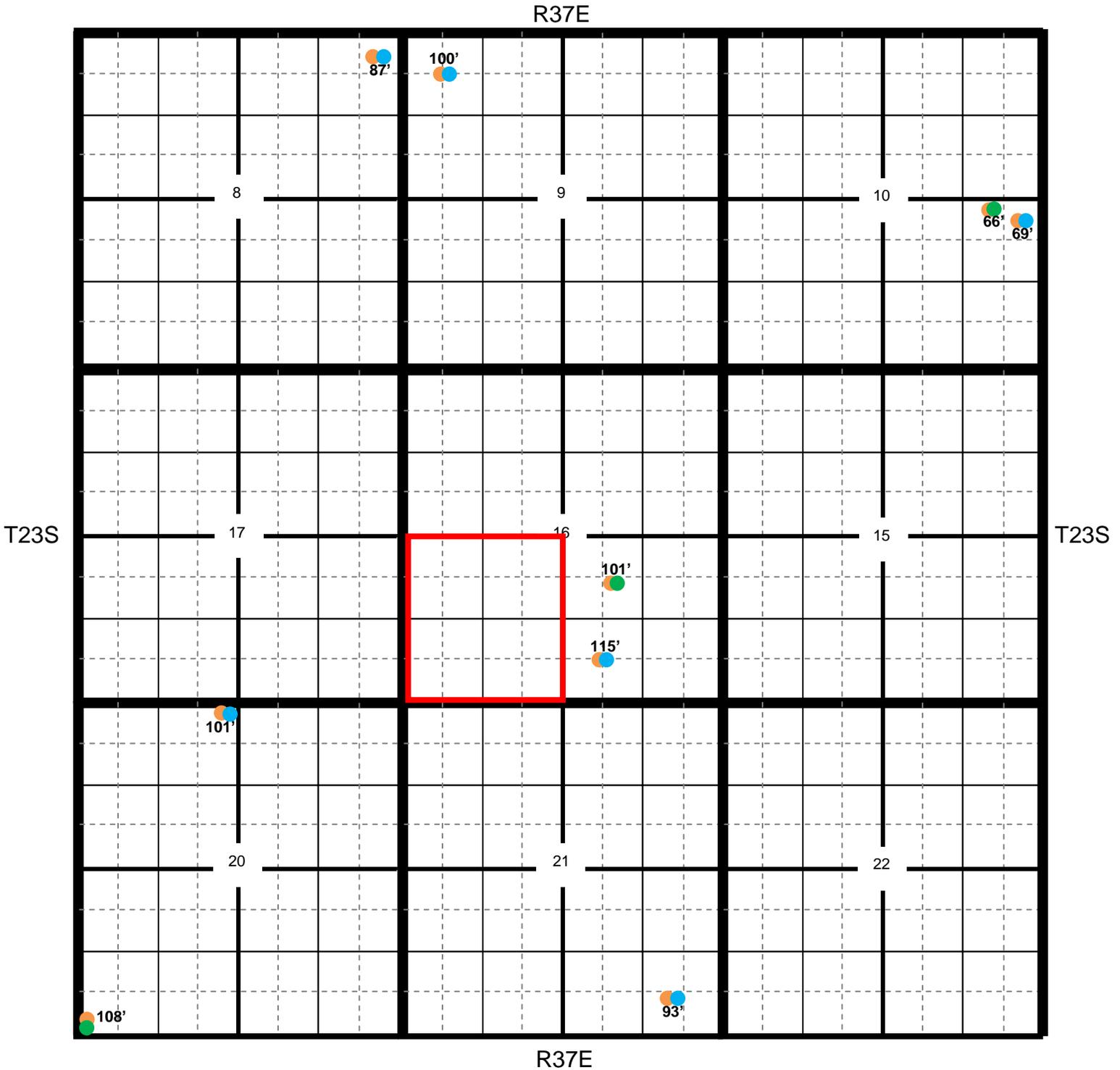
Unit Letter  
SW ¼

Section  
16

Township  
23S

Range  
37E

Trend Map 100'



Location

OCD

USGS

SEO

All Databases

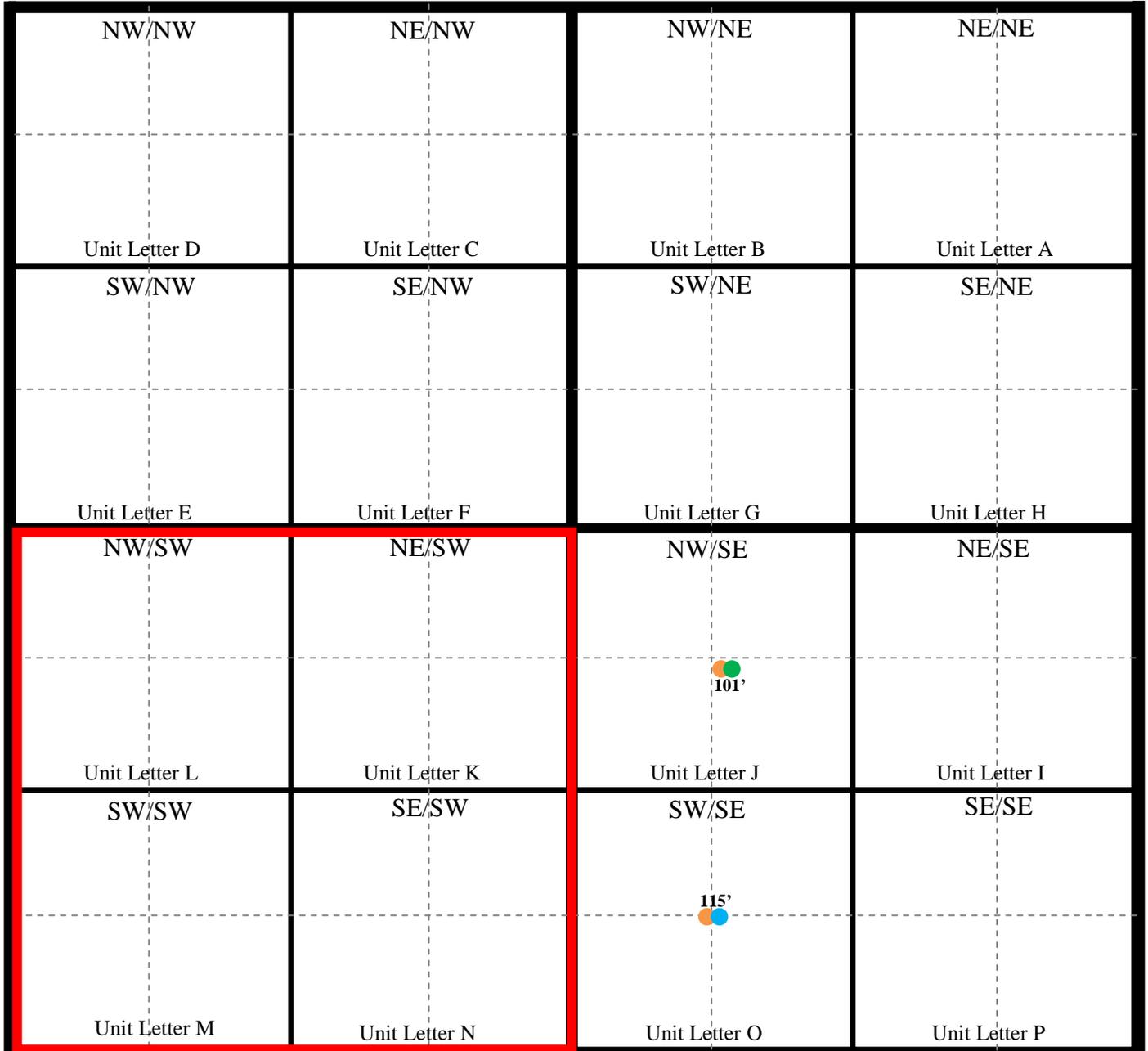
## Oxy Kelly State Battery

County: Lea      Unit Letter: SW ¼      Section: 16      Township: 23S      Range: 37E

Trend Map 100'

1

2



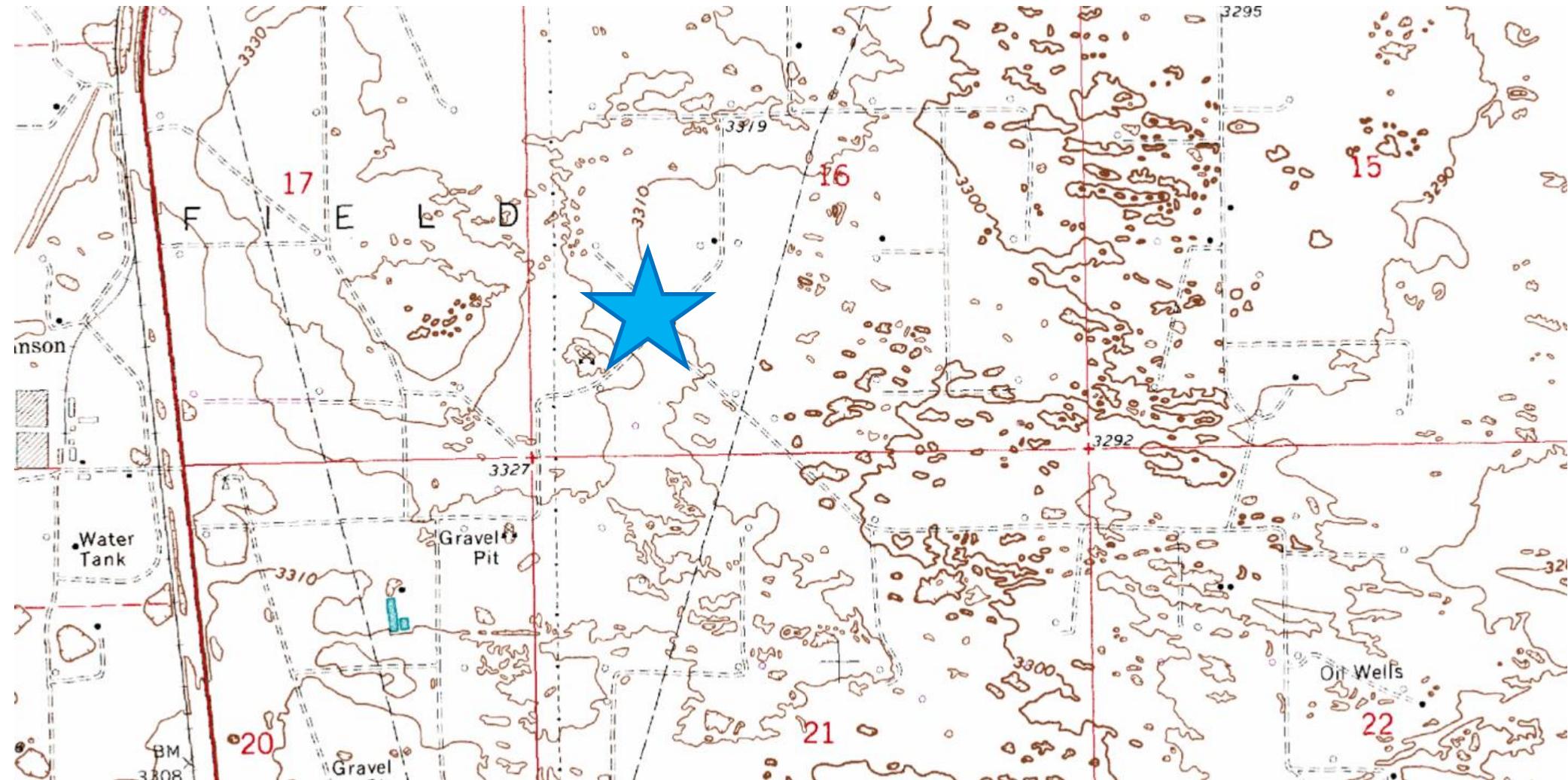
3

4



# Oxy

## Kelly State Battery



**Laboratory Analytical Results Summary  
Kelly State Battery**

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
			7/23/15	7/23/15	7/23/15
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>283</b>	<b>17.1</b>	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
			7/23/15	7/23/15	7/23/15
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>247</b>	<b>44.6</b>	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'
			7/23/15	7/23/15	7/23/15
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<50.0	<50.0
<b>DRO</b>	TPH 8015M		<b>30.8</b>	<b>66.9</b>	<b>122</b>

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'
			7/23/15	7/23/15	7/23/15
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0	<16.0
<b>GRO</b>	TPH 8015M		<10.0	<50.0	<10.0
<b>DRO</b>	TPH 8015M		<b>167</b>	<50.0	<10.0

July 30, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: KELLY STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/24/15 11:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H501939-01)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36		
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33		
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58		
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00		
Total BTEX	<0.300	0.300	07/28/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137*

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987		
<b>DRO &gt;C10-C28</b>	<b>283</b>	10.0	07/28/2015	ND	189	94.5	200	0.758		

*Surrogate: 1-Chlorooctane 98.6 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 118 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H501939-02)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36	
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33	
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00	
Total BTEX	<0.300	0.300	07/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987	
<b>DRO &gt;C10-C28</b>	<b>17.1</b>	10.0	07/28/2015	ND	189	94.5	200	0.758	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H501939-03)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36		
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33		
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58		
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00		
Total BTEX	<0.300	0.300	07/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 85.6-137

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987		
DRO >C10-C28	<10.0	10.0	07/28/2015	ND	189	94.5	200	0.758		

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ SURFACE (H501939-04)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36		
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33		
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58		
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00		
Total BTEX	<0.300	0.300	07/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987		
<b>DRO &gt;C10-C28</b>	<b>247</b>	10.0	07/28/2015	ND	189	94.5	200	0.758		

Surrogate: 1-Chlorooctane 96.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H501939-05)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36	
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33	
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00	
Total BTEX	<0.300	0.300	07/28/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137*

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987	
<b>DRO &gt;C10-C28</b>	<b>44.6</b>	10.0	07/28/2015	ND	189	94.5	200	0.758	

*Surrogate: 1-Chlorooctane 99.0 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 108 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 2' (H501939-06)**

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	07/28/2015	ND	2.00	99.8	2.00	2.36	
Toluene*	<0.050	0.050	07/28/2015	ND	1.99	99.5	2.00	3.33	
Ethylbenzene*	<0.050	0.050	07/28/2015	ND	2.09	104	2.00	4.58	
Total Xylenes*	<0.150	0.150	07/28/2015	ND	5.44	90.7	6.00	5.00	
Total BTEX	<0.300	0.300	07/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 85.6-137

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987	
DRO >C10-C28	<10.0	10.0	07/28/2015	ND	189	94.5	200	0.758	

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ SURFACE (H501939-07)**

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	07/29/2015	ND	2.04	102	2.00	1.20		
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21		
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960		
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60		
Total BTEX	<0.300	0.300	07/29/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 85.6-137

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	07/30/2015	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	07/28/2015	ND	209	105	200	0.987		
<b>DRO &gt;C10-C28</b>	<b>30.8</b>	10.0	07/28/2015	ND	189	94.5	200	0.758		

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 1' (H501939-08)**

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	07/29/2015	ND	2.04	102	2.00	1.20	
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960	
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60	
Total BTEX	<0.300	0.300	07/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 85.6-137

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	07/30/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/28/2015	ND	209	105	200	0.987	
<b>DRO &gt;C10-C28</b>	<b>66.9</b>	50.0	07/28/2015	ND	189	94.5	200	0.758	

Surrogate: 1-Chlorooctane 95.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 138 % 52.1-176

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**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 2' (H501939-09)**

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	07/29/2015	ND	2.04	102	2.00	1.20	
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960	
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60	
Total BTEX	<0.300	0.300	07/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137

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	07/30/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	07/28/2015	ND	209	105	200	0.987		
<b>DRO &gt;C10-C28</b>	<b>122</b>	50.0	07/28/2015	ND	189	94.5	200	0.758		

Surrogate: 1-Chlorooctane 147 % 47.2-157

Surrogate: 1-Chlorooctadecane 188 % 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:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ SURFACE (H501939-10)**

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	07/29/2015	ND	2.04	102	2.00	1.20		
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21		
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960		
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60		
Total BTEX	<0.300	0.300	07/29/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 85.6-137

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	07/30/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/28/2015	ND	209	105	200	0.987		
<b>DRO &gt;C10-C28</b>	<b>167</b>	10.0	07/28/2015	ND	189	94.5	200	0.758		

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 118 % 52.1-176

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**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 1' (H501939-11)**

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	07/29/2015	ND	2.04	102	2.00	1.20	
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960	
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60	
Total BTEX	<0.300	0.300	07/29/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 119 % 85.6-137*

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	07/30/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/28/2015	ND	209	105	200	0.987	
DRO >C10-C28	<50.0	50.0	07/28/2015	ND	189	94.5	200	0.758	

*Surrogate: 1-Chlorooctane 96.4 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 125 % 52.1-176*

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**Analytical Results For:**

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

Received:	07/24/2015	Sampling Date:	07/23/2015
Reported:	07/30/2015	Sampling Type:	Soil
Project Name:	KELLY STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 2' (H501939-12)**

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	07/29/2015	ND	2.04	102	2.00	1.20	
Toluene*	<0.050	0.050	07/29/2015	ND	2.10	105	2.00	1.21	
Ethylbenzene*	<0.050	0.050	07/29/2015	ND	2.24	112	2.00	0.960	
Total Xylenes*	<0.150	0.150	07/29/2015	ND	5.93	98.8	6.00	2.60	
Total BTEX	<0.300	0.300	07/29/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 85.6-137

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	07/30/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/28/2015	ND	209	105	200	0.987	
DRO >C10-C28	<10.0	10.0	07/28/2015	ND	189	94.5	200	0.758	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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





**ARDINAL LABORATORIES**

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

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

142

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #:  
 Project Manager: Cliff Brunson Company:  
 Address: P.O. Box 805 Attn:  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: SAME  
 Project #: Project Owner: OKY City:  
 Project Name: Kelly State Battery State: zip:  
 Project Location: Roger Hernandez Phone #:  
 Sampler Name: Roger Hernandez Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H501439

(G)RAB OR (C)OMP. # CONTAINERS

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:

PRESERV: ACID/BASE, ICE / COOL, OTHER:

SAMPLING: DATE, TIME

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BIEX	CHLORIDE
1	SP1 @ SURFACE	C	1	✓	✓	✓	7-23-15	1130	✓	✓	✓
2	SP1 @ 1'	C	1	✓	✓	✓	7-23-15	1142	✓	✓	✓
3	SP2 @ SURFACE	C	1	✓	✓	✓	7-23-15	1155	✓	✓	✓
4	SP2 @ 1'	C	1	✓	✓	✓	7-23-15	1236	✓	✓	✓
5	SP2 @ 2'	C	1	✓	✓	✓	7-23-15	1247	✓	✓	✓
6	SP3 @ SURFACE	C	1	✓	✓	✓	7-23-15	1300	✓	✓	✓
7	SP3 @ 1'	C	1	✓	✓	✓	7-23-15	132	✓	✓	✓
8	SP3 @ 2'	C	1	✓	✓	✓	7-23-15	144	✓	✓	✓
9	SP4 @ SURFACE	C	1	✓	✓	✓	7-23-15	160	✓	✓	✓

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

Relinquished By: Roger Hernandez Date: 7-23-15 Time: 7:00 Received By: Cliff Brunson Date: 7/24/15 Time: 9:30

Delivered By: (Circle One) UPS - Bus - Other: 3.00c

Sample Condition: Cool  Intact  Yes  No  Yes  No

CHECKED BY: (initials)

REMARKS:

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

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

#54



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

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

2012

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: \_\_\_\_\_  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241 Address: SAME  
 Phone #: 575-397-6388 Fax #: 575-397-0397 City: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: OUY State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Name: Kelly State Battery  
 Project Location: \_\_\_\_\_ Phone #: \_\_\_\_\_  
 Sampler Name: Roger Hernandez Fax #: \_\_\_\_\_  
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CHLORIDE
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
H501939	SP401		1			✓				7-23-15	7:15	✓	✓	✓
112	021		1			✓				7-23-15	2:22	✓	✓	✓

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Relinquished By: Roger Hernandez Date: 7-23-15 Time: 7:00 am Received By: Cliff Brunson Date: 7-24-15 Time: 11:30 am  
 Delivered By: (Circle One)  Bus - Other: -3.06 Sample Condition:  Intact  Cool  Yes  No  Yes  No  
 CHECKED BY: (initials) [Signature]

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

## Kathy Purvis

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**From:** Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>  
**Sent:** Thursday, August 20, 2015 1:42 PM  
**To:** Cliff Brunson; Jones, Kellie, EMNRD  
**Cc:** Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY Former Kelly State Battery - Remediation Plan

3815	8/20/2015	A	Oxy	Kelly State Battery	23S 37E 16 L	30-025-10744	histori
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Good afternoon,

The remediation plan has been approved and the RP # is 3815. Please send geotagged photos of the completed remediation. After the photos are received the RP will be closed.

Thank you,

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**From:** Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Monday, August 17, 2015 2:44 PM  
**To:** Jones, Kellie, EMNRD  
**Cc:** Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY Former Kelly State Battery - Remediation Plan

Kellie,

This e-mail is to confirm our discussion on Friday, August 14, 2015 concerning the remediation plan for the Oxy Former Kelly 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  
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BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
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1324 W. Marland St.  
Hobbs, NM 88240 USA  
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