



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
E-MAIL: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

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## **OXY – RIVERBEND FEDERAL #8 SWD BATTERY**

### **REMEDIATION PLAN**

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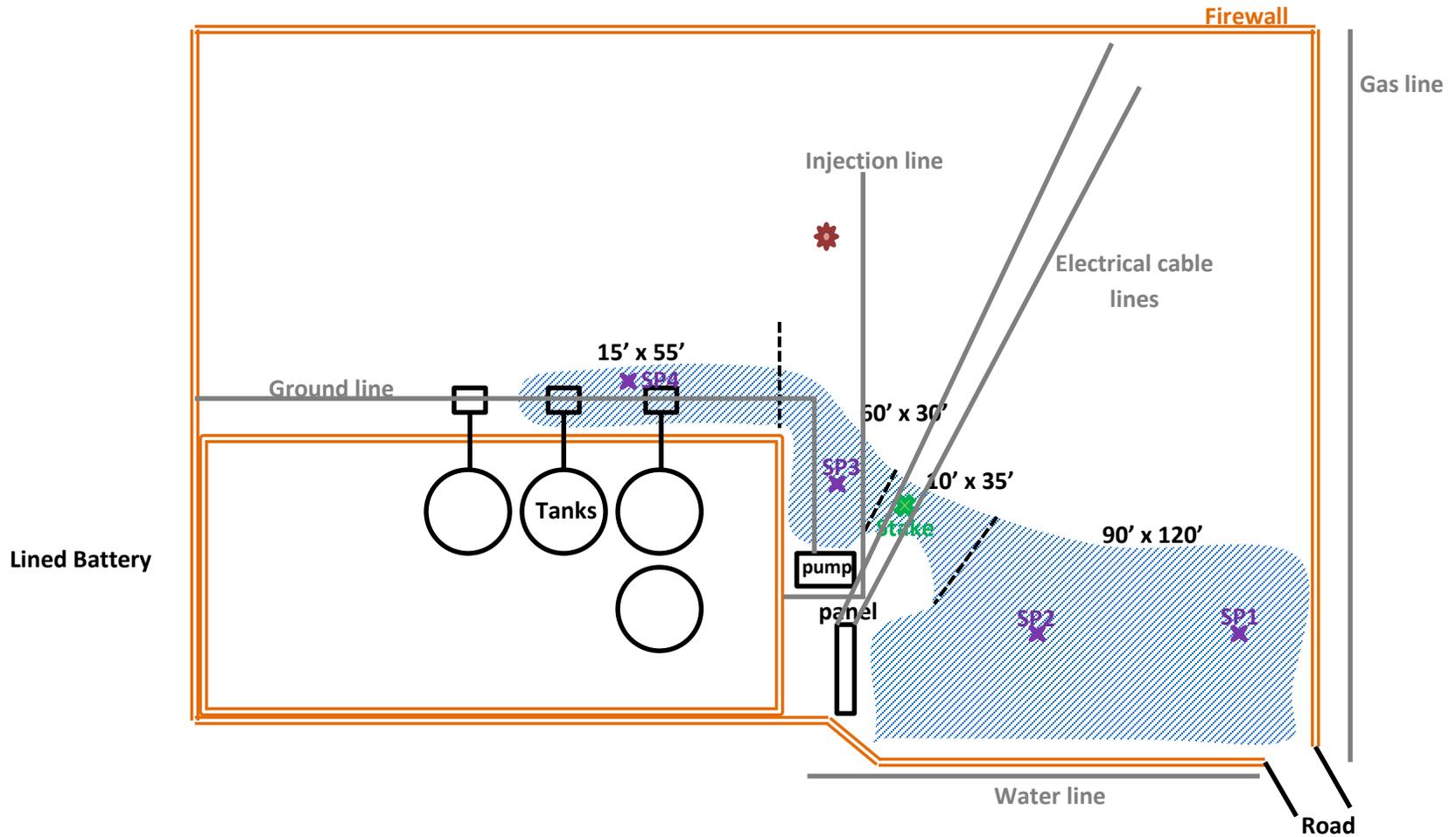
OXY will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 6 inches. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy

### Riverbend Federal #8 SWD Battery (5/5/16)



U/L D, Section 23, T24S, R29E  
Eddy County, NM  
N 32.20882° W 103.96275°  
API# 30-015-28390

BBC International, Inc.

Oxy

Riverbend Federal #8 SWD Battery

Date: 05/10/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



# Groundwater Plot

## Oxy Riverbend Federal #8 SWD Battery

County  
Eddy

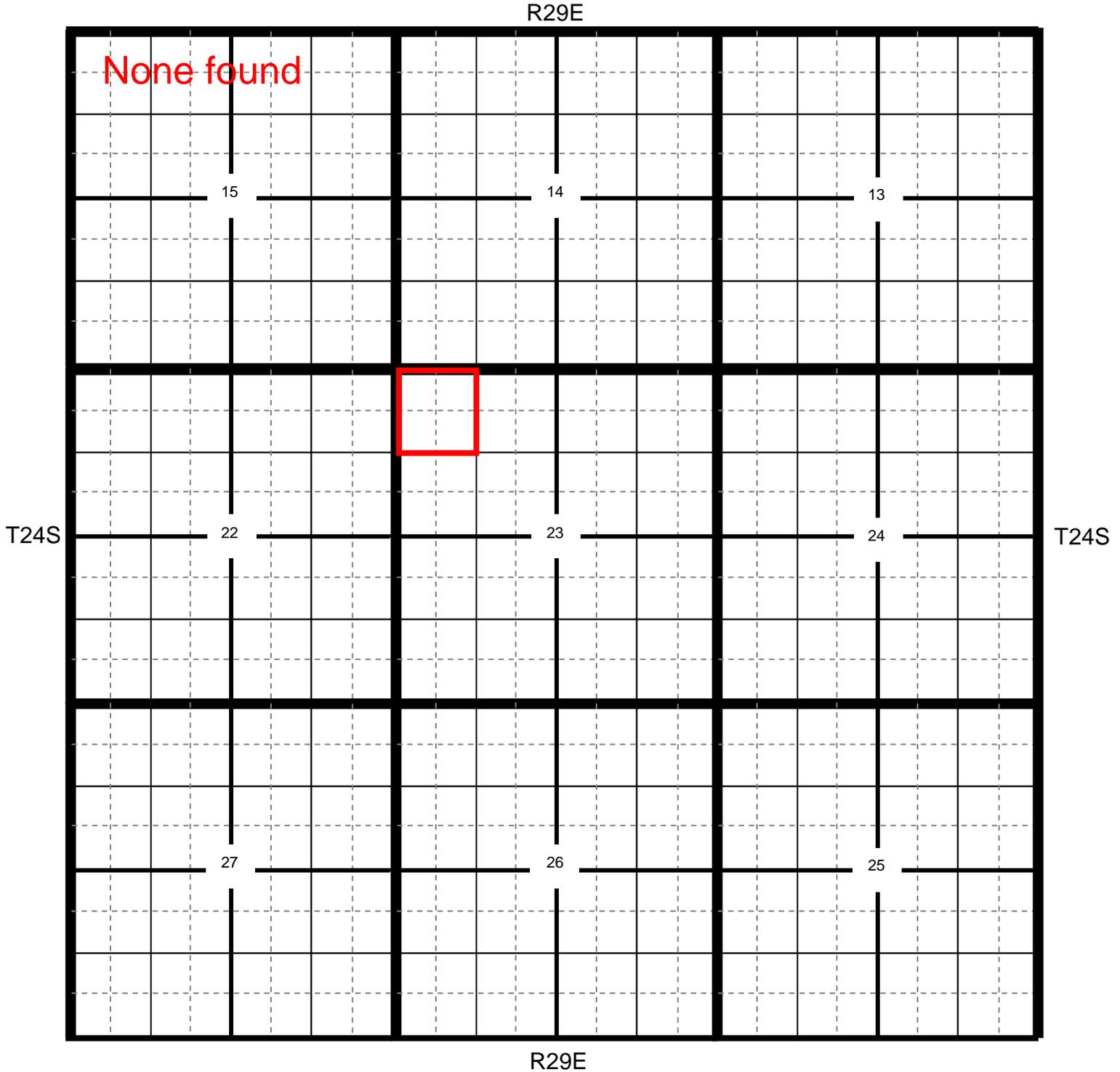
Unit Letter  
D

Section  
23

Township  
24S

Range  
29E

Trend Map 100'



📍 Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Riverbend Federal #8 SWD Battery

County Eddy      Unit Letter D      Section 23      Township 24S      Range 29E

Trend Map 100'

1

2

NW/NW Unit Letter D	NE/NW Unit Letter C	NW/NE None found	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

3

4

Laboratory Analytical Results Summary  
Riverbend Federal #8 SWD

		Sample	SP1 @ Surface	SP1 @ 1'	S1 @ 2'
Analyte	Method	Date	5/16/16	5/16/16	5/17/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		<b>68800</b>	<b>80</b>	<b>64</b>
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<b>24.4</b>	n/a	n/a

		Sample	SP2 @ Surface	SP2 @ 1'	S2 @ 2'
Analyte	Method	Date	5/17/16	5/17/16	5/17/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		<b>100000</b>	<b>624</b>	<b>96</b>
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	5/17/16	5/17/16	5/17/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		<b>75200</b>	<b>592</b>	<b>48</b>
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<b>13.5</b>	n/a	n/a

		Sample	SP4 @ Surface	SP4 @ 1'	S4 @ 2'
Analyte	Method	Date	5/17/16	5/17/16	5/17/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		<b>52000</b>	<b>224</b>	<b>48</b>
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a



May 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RIVERBEND FED #8 SWD

Enclosed are the results of analyses for samples received by the laboratory on 05/20/16 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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:	05/20/2016	Sampling Date:	05/16/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H601104-01)**

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	05/20/2016	ND	1.79	89.4	2.00	1.76	
Toluene*	<0.050	0.050	05/20/2016	ND	1.72	86.0	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/20/2016	ND	1.55	77.7	2.00	1.46	
Total Xylenes*	<0.150	0.150	05/20/2016	ND	4.93	82.1	6.00	1.55	
Total BTEX	<0.300	0.300	05/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

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>68800</b>	16.0	05/23/2016	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	05/20/2016	ND	188	94.2	200	1.60	
<b>DRO &gt;C10-C28</b>	<b>24.4</b>	10.0	05/20/2016	ND	208	104	200	4.73	

Surrogate: 1-Chlorooctane 63.3 % 35-147

Surrogate: 1-Chlorooctadecane 88.3 % 28-171

**Sample ID: SP 1 @ 1' (H601104-02)**

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	05/23/2016	ND	416	104	400	3.77	

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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:	05/20/2016	Sampling Date:	05/17/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H601104-03)**

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>64.0</b>	16.0	05/23/2016	ND	416	104	400	3.77	

**Sample ID: SP 2 @ SURFACE (H601104-04)**

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	05/20/2016	ND	1.79	89.4	2.00	1.76	
Toluene*	<0.050	0.050	05/20/2016	ND	1.72	86.0	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/20/2016	ND	1.55	77.7	2.00	1.46	
Total Xylenes*	<0.150	0.150	05/20/2016	ND	4.93	82.1	6.00	1.55	
Total BTEX	<0.300	0.300	05/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

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>100000</b>	16.0	05/23/2016	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	05/20/2016	ND	188	94.2	200	1.60	
DRO >C10-C28	<10.0	10.0	05/20/2016	ND	208	104	200	4.73	

Surrogate: 1-Chlorooctane 58.9 % 35-147

Surrogate: 1-Chlorooctadecane 80.1 % 28-171

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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:	05/20/2016	Sampling Date:	05/17/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H601104-05)**

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>624</b>	16.0	05/23/2016	ND	416	104	400	3.77	

**Sample ID: SP 2 @ 2' (H601104-06)**

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	05/23/2016	ND	416	104	400	3.77	

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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:	05/20/2016	Sampling Date:	05/17/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ SURFACE (H601104-07)**

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	05/20/2016	ND	1.79	89.4	2.00	1.76	
Toluene*	<0.050	0.050	05/20/2016	ND	1.72	86.0	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/20/2016	ND	1.55	77.7	2.00	1.46	
Total Xylenes*	<0.150	0.150	05/20/2016	ND	4.93	82.1	6.00	1.55	
Total BTEX	<0.300	0.300	05/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

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>75200</b>	16.0	05/23/2016	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	05/20/2016	ND	188	94.2	200	1.60	
<b>DRO &gt;C10-C28</b>	<b>13.5</b>	10.0	05/20/2016	ND	208	104	200	4.73	

Surrogate: 1-Chlorooctane 63.4 % 35-147

Surrogate: 1-Chlorooctadecane 86.5 % 28-171

**Sample ID: SP 3 @ 1' (H601104-08)**

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	05/23/2016	ND	416	104	400	3.77	

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\*=Accredited Analyte

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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:	05/20/2016	Sampling Date:	05/17/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 2' (H601104-09)**

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>48.0</b>	16.0	05/23/2016	ND	416	104	400	3.77	

**Sample ID: SP 4 @ SURFACE (H601104-10)**

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	05/20/2016	ND	1.79	89.4	2.00	1.76	
Toluene*	<0.050	0.050	05/20/2016	ND	1.72	86.0	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/20/2016	ND	1.55	77.7	2.00	1.46	
Total Xylenes*	<0.150	0.150	05/20/2016	ND	4.93	82.1	6.00	1.55	
Total BTEX	<0.300	0.300	05/20/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.6-140

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>52000</b>	16.0	05/23/2016	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	05/20/2016	ND	188	94.2	200	1.60	
DRO >C10-C28	<10.0	10.0	05/20/2016	ND	208	104	200	4.73	

Surrogate: 1-Chlorooctane 63.7 % 35-147

Surrogate: 1-Chlorooctadecane 84.2 % 28-171

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:	05/20/2016	Sampling Date:	05/17/2016
Reported:	05/26/2016	Sampling Type:	Soil
Project Name:	RIVERBEND FED #8 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 4 @ 1' (H601104-11)**

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>224</b>	16.0	05/23/2016	ND	416	104	400	3.77	

**Sample ID: SP 4 @ 2' (H601104-12)**

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>48.0</b>	16.0	05/23/2016	ND	416	104	400	3.77	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



---

Celey D. Keene, Lab Director/Quality Manager



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

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

1 of 2

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.		P.O. #:			
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
Phone #: 575-397-6388		State: NM		Zip: 88241	
Fax #: 575-397-0397		City:			
Project #: <i>OSY</i>		State:		Zip:	
Project Name: <i>Riveland Federal #8 SWD</i>		Phone #:			
Project Location:		Fax #:			
Sampler Name: <i>Jeff Ornelas</i>		PRESERV:		SAMPLING	
FOR LAB USE ONLY		MATRIX			
Lab I.D. <i>HL01104</i>		Sample I.D.			
1 <i>SP1 @ Surface</i>		(G)RAB OR (C)OMP.		DATE	
2 <i>SP1 @ 1'</i>		# CONTAINERS		TIME	
3 <i>SP1 @ 2'</i>		GROUNDWATER		TPH	
4 <i>SP2 @ Surface</i>		WASTEWATER		BTX	
5 <i>SP2 @ 1'</i>		SOIL		CL	
6 <i>SP2 @ 2'</i>		OIL			
7 <i>SP3 @ Surface</i>		SLUDGE			
8 <i>SP3 @ 1'</i>		OTHER :			
9 <i>SP3 @ 2'</i>		ACID/BASE:			
10 <i>SP4 @ Surface</i>		ICE / COOL			
		OTHER :			

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 analysis. 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: *V. Hernandez* Date: *5/17/16* Received By: *Cliff Brunson* Date: *5/17/16*  
 Time: *5:30pm* Time: *11:20*

Delivered By: *V. Hernandez* (Circle One) Sample Condition:  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: *-2.40* CHECKED BY: *Cliff Brunson*

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

*collected - 2.30 #154*



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

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

2 of 2

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

Project Manager: Cliff Brunson P.O. #:

Address: P.O. Box 805 Company:

City: Hobbs State: NM Zip: 88241 Attn:

Phone #: 575-397-6388 Fax #: 575-397-0397 Address:

Project #: Project Owner: *OKY* City:

Project Name: *Ameyard Federal #8 SWD* State: Zip:

Project Location: Phone #:

Sampler Name: *Jeff Ormelas* Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										
11	<i>SPY Q1</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>5/16</i>	<i>133</i>	<i>11</i>	<i>CL</i>					
12	<i>SPY Q2</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>5/16</i>	<i>149</i>							

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 analysis. 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.

Reinquinshed By: *Jeff Ormelas* Date: *5/16* Time: *5:00pm* Received By: *Cliff Brunson* Date: *5/16* Time: *11:50am*

Delivered By: (Circle One) *UPS* - UPS - Bus - Other: *-2.48*

Sample Condition:  Intact  Cool  Yes  No

CHECKED BY: (Initials) *JB*

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

*corrected*  
*-2.30*

*#54*

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Riverbend Federal #8 SWD Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-28390

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	23	24S	29E					Eddy County, NM

Latitude N 32.20882° Longitude W 103.96275°

**NATURE OF RELEASE**

Type of Release	Produced water	Volume of Release	200 bbls	Volume Recovered	180 bbls
Source of Release	Faulty nipple on the triplex pump	Date and Hour of Occurrence	05/05/2016	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	05/05/2016 @ 2:53 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

A faulty nipple on the triplex pump caused 200 bbls of produced water to leak onto location. A vacuum truck recovered 180 bbls of produced water and the nipple was replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 90' x 150' on location about 3 feet from the triplex pump. Remediation will be completed in accordance with a remediation plan approved by both NMOCD and the BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: 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: 5-16-16 Phone: (575) 513-8289			

\* Attach Additional Sheets If Necessary