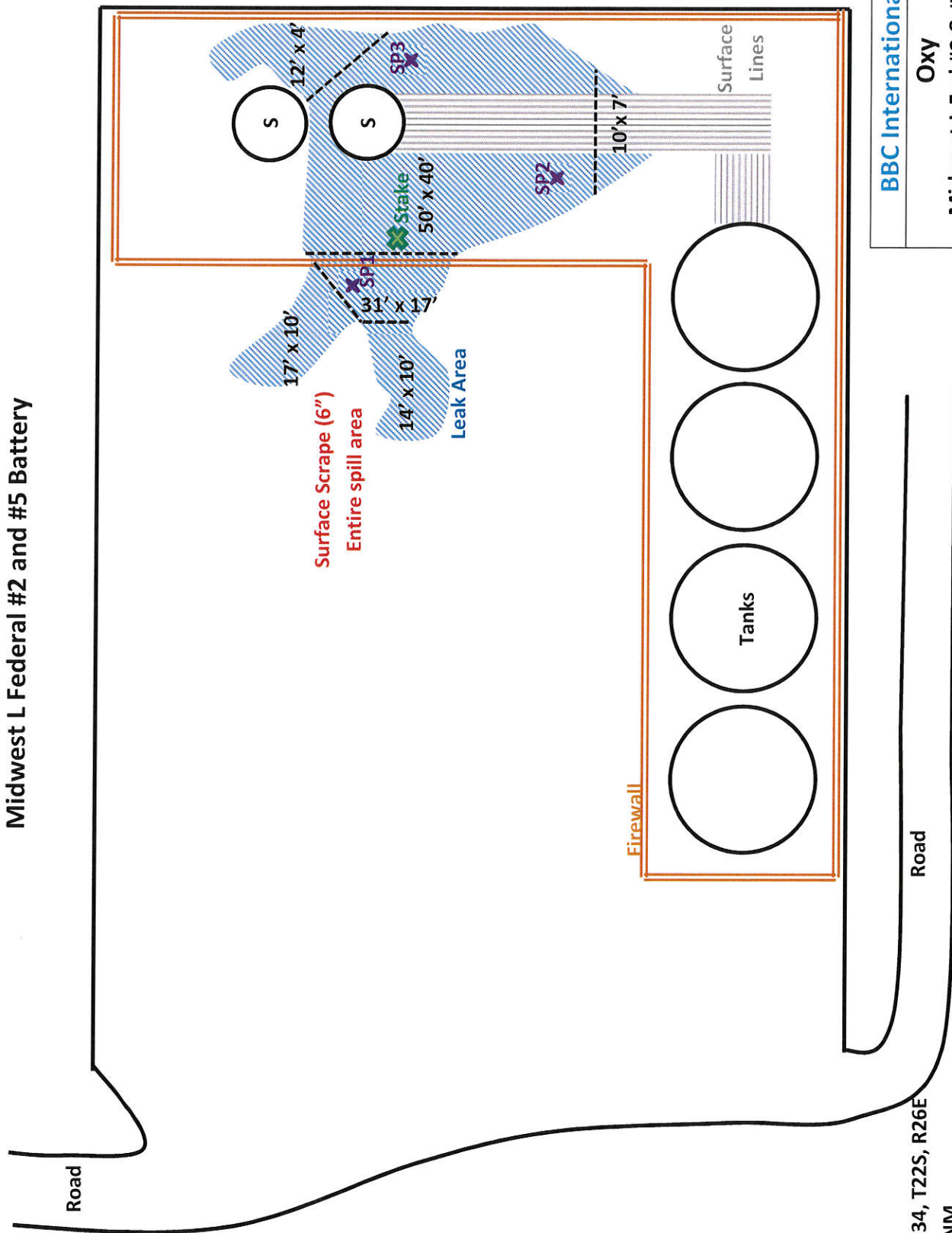




Oxy

# Midwest L Federal #2 and #5 Battery



BBC International, Inc.	
Oxy	
Midwest L Fed #2 & #5 Battery	
Date: 07/31/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

U/L E, Section 34, T22S, R26E  
Eddy County, NM  
N 32.35125° W 104.28832°  
API# 30-015-29130



# Groundwater Plot

## Oxy Midwest L Federal #2 & #5 Battery

County  
Eddy County

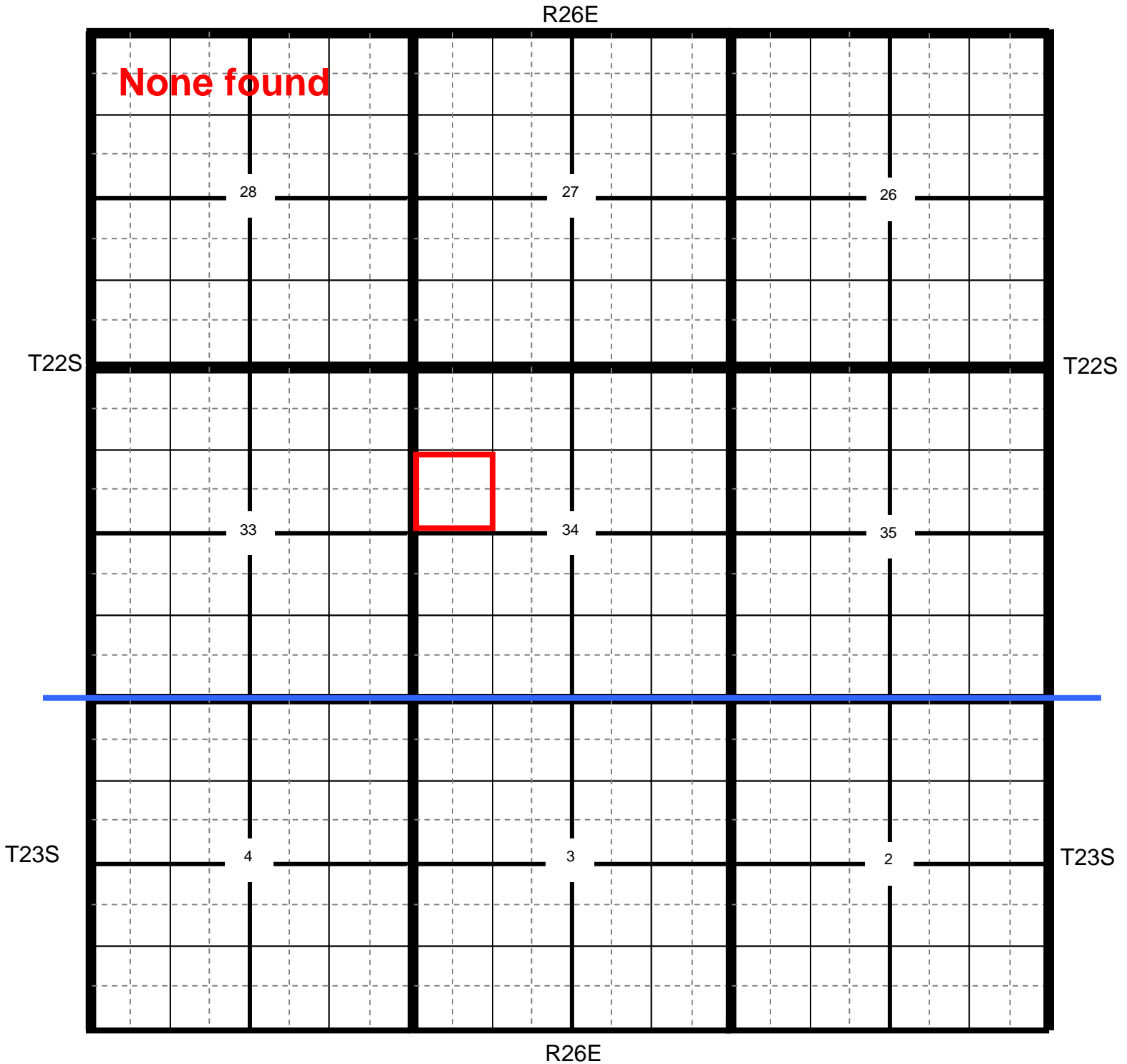
Unit Letter  
E

Section  
34

Township  
22S

Range  
26E

Trend Map 175'



📍 Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Midwest L Federal #2 & #5 Btry

<b>County</b> Eddy	<b>Unit Letter</b> E	<b>Section</b> 34	<b>Township</b> 22S	<b>Range</b> 26E
-----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 175'

1

2

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

3

4

**Laboratory Analytical Results Summary  
Midwest L Federal #2 and #5 Battery**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	9/25/14	9/25/14	9/25/14
			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		<b>80</b>	<b>192</b>	<b>208</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>99.9</b>	<b>31.7</b>	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	9/25/14	9/25/14	9/25/14
			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		<b>112</b>	<b>176</b>	<b>272</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>15.3</b>	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	9/25/14	9/25/14	9/25/14	9/25/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>16</b>	<b>576</b>	<b>896</b>	<b>240</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0	<10.0	<10.0

September 30, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MIDWEST 'L' #2

Enclosed are the results of analyses for samples received by the laboratory on 09/26/14 10:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 1 @ 1 (H402942-01)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/26/2014	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	09/26/2014	ND	168	83.9	200	6.98	
DRO >C10-C28	99.9	10.0	09/26/2014	ND	186	92.8	200	5.47	

Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 09/26/2014  
 Reported: 09/30/2014  
 Project Name: MIDWEST 'L' #2  
 Project Number: NOT GIVEN  
 Project Location: CARLSBAD, NM

 Sampling Date: 09/25/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kathy Perez

**Sample ID: SP 1 @ 2 (H402942-02)**

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85	
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27	
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60	
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28	
Total BTX	<0.300	0.300	09/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/26/2014	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	09/26/2014	ND	168	83.9	200	6.98	
DRO >C10-C28	31.7	10.0	09/26/2014	ND	186	92.8	200	5.47	

Surrogate: 1-Chlorooctane 99.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 1 @ 3 (H402942-03)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/26/2014	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	09/26/2014	ND	168	83.9	200	6.98	
DRO >C10-C28	<10.0	10.0	09/26/2014	ND	186	92.8	200	5.47	

Surrogate: 1-Chlorooctane 88.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

 Received: 09/26/2014  
 Reported: 09/30/2014  
 Project Name: MIDWEST 'L' #2  
 Project Number: NOT GIVEN  
 Project Location: CARLSBAD, NM

 Sampling Date: 09/25/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kathy Perez

**Sample ID: SP 2 @ 1 (H402942-04)**

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	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTEx	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/26/2014	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	09/26/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	15.3	10.0	09/26/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 95.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 @ 2 (H402942-05)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 87.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 2 @ 3 (H402942-06)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.3 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 @ 1 (H402942-07)**

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 94.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 @ 2 (H402942-08)**

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	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTEx	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 @ 3 (H402942-09)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 89.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 09/26/2014  
Reported: 09/30/2014  
Project Name: MIDWEST 'L' #2  
Project Number: NOT GIVEN  
Project Location: CARLSBAD, NM

Sampling Date: 09/25/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SP 3 @ 4 (H402942-10)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2014	ND	1.88	94.0	2.00	7.85		
Toluene*	<0.050	0.050	09/29/2014	ND	1.79	89.4	2.00	9.27		
Ethylbenzene*	<0.050	0.050	09/29/2014	ND	1.66	83.2	2.00	8.60		
Total Xylenes*	<0.150	0.150	09/29/2014	ND	4.91	81.9	6.00	8.28		
Total BTX	<0.300	0.300	09/29/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/26/2014	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	09/27/2014	ND	179	89.5	200	0.798	
DRO >C10-C28	<10.0	10.0	09/27/2014	ND	187	93.4	200	1.91	

Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.6 % 63.6-154

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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

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST													
Project Manager: Cliff Brunson		Company:																	
Address: P.O. Box 805		Attn:																	
City: Hobbs		Address:																	
Phone #: 575-397-6388		City: <i>Syme</i>																	
Fax #: 575-397-0397		State: Zip:																	
Project #:		Project Owner:																	
Project Name: <i>Midwest v. #2</i>		State: Zip:																	
Project Location: <i>Carlsbad</i>		Phone #:																	
Sample Name: <i>Jeff Ornelas</i>		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING												
				GROUNDWATER															
				WASTEWATER															
				SOIL															
				OIL															
				SLUDGE															
				OTHER :															
				ACID/BASE:															
				ICE / COOL															
				OTHER :															
				DATE	TIME														
				9-25	9:11														
					9:50														
					10:19														
					10:40														
					10:59														
					11:11														
					11:59														
					10:09														
					13:39														
					14:5														
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Relinquished By:		Date:		Time:		Received By:		Date:		Time:		Sample Condition:		CHECKED BY:		REMARKS:			
Delivered By: (Circle One)		Fax Result:		Yes		No		Add'l Phone #:		Fax Result:		Yes		No		Add'l Fax #:			
Sampler - UPS - Bus - Other:																			

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

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

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Midwest L Fed#2 & #5 Battery	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-015-29130
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#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	34	22S	26E					Eddy County, NM

Latitude N 32.35125° Longitude W 104.28832°

#### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	10 bbls oil, 4 bbls produced water	Volume Recovered	4 bbls oil
Source of Release	External corrosion/4" x 2" swedge on heater treater	Date and Hour of Occurrence	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, NMOCD; Sol Hughes, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	07/17/2014 @ 4:07 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.\*

External corrosion of heater treater components caused 10 bbls of oil and 4 bbls of produced water to leak onto the ground. A vacuum truck recovered 4 bbls of oil and the heater treater was restored to normal operating condition.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 50' x 40' inside the berm and 30' x 30' on location just west of the berm. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-31-14</u> Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary