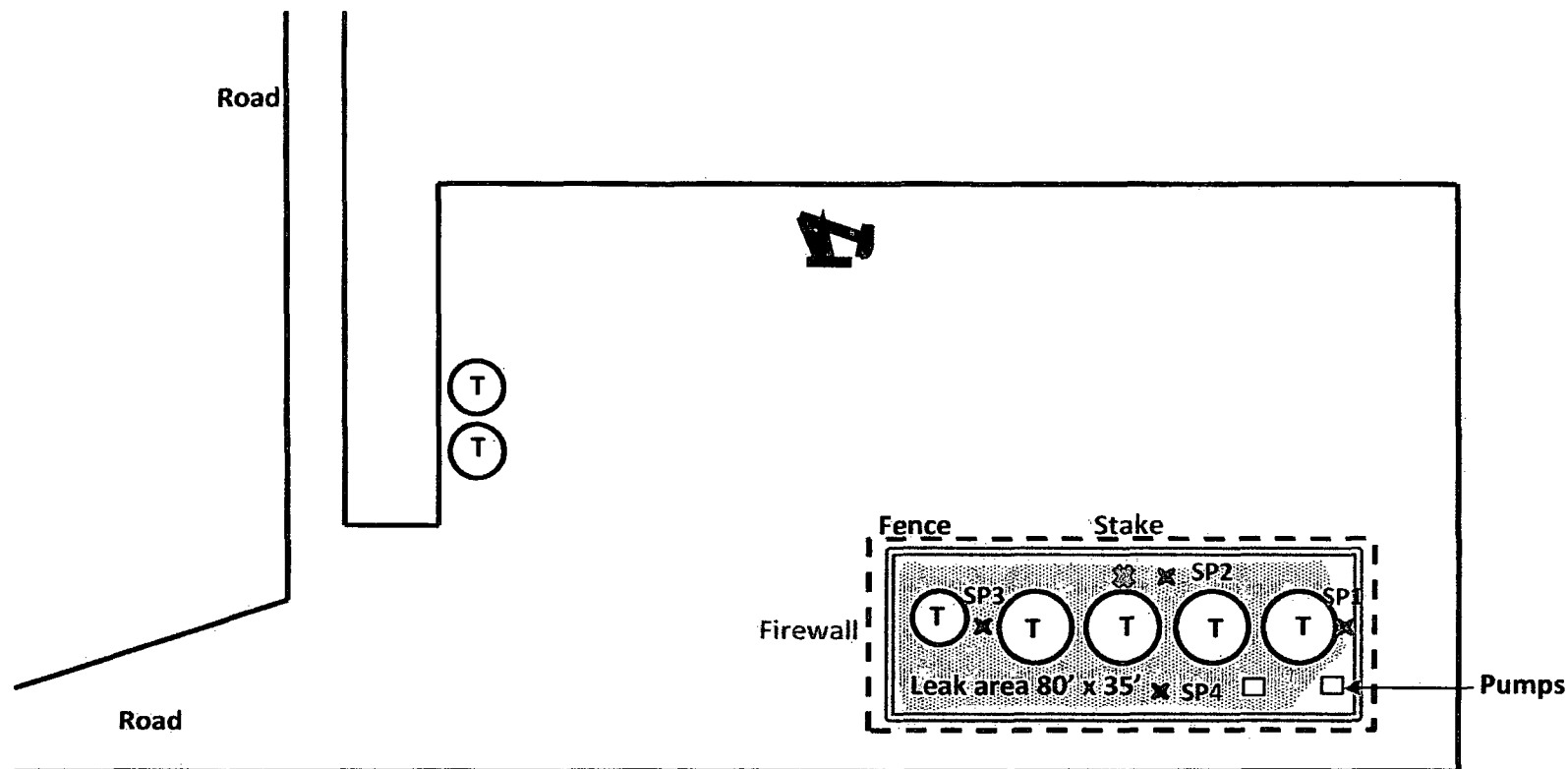




Oxy  
Prize 27 Federal #2 Battery (4/1/13)



U/L P, Section 27, T22S, R32E  
660' FSL and 660' FEL  
Lea County, NM  
N 32.35709° W 103.65617°  
API# 30-025-31902, NM# 81272

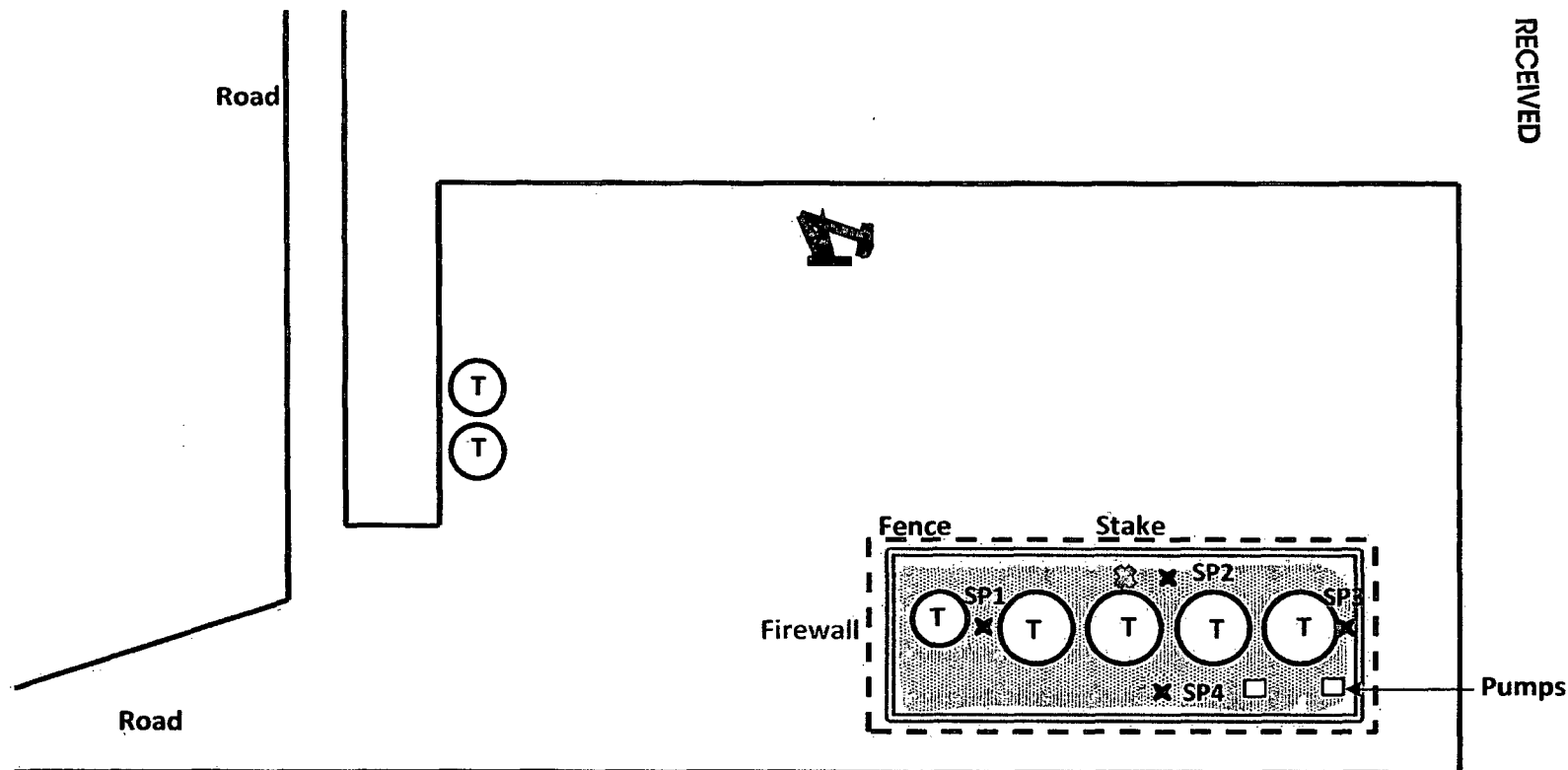
BBC International, Inc.	
Oxy Prize 27 Federal #2 Battery	
Date: 04/05/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Oxy

Prize 27 Federal #2 Battery (4/29/13)

HOBBS OCD  
JAN 31 2014  
RECEIVED



U/L P, Section 27, T22S, R32E  
660' FSL and 660' FEL  
Lea County, NM  
N 32.35709° W 103.65617°  
API# 30-025-31902, NM# 81272

approved  
*Jeffrey Sekim*  
Environmental Specialist  
NMCD-DIST 1  
2103114

BBC International, Inc.	
Oxy Prize 27 Federal #2 Battery	
Date: 07/12/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013

FEB 03 2014



# Groundwater Plot

## Oxy Prize 27 Federal #2 Battery

County  
Lea

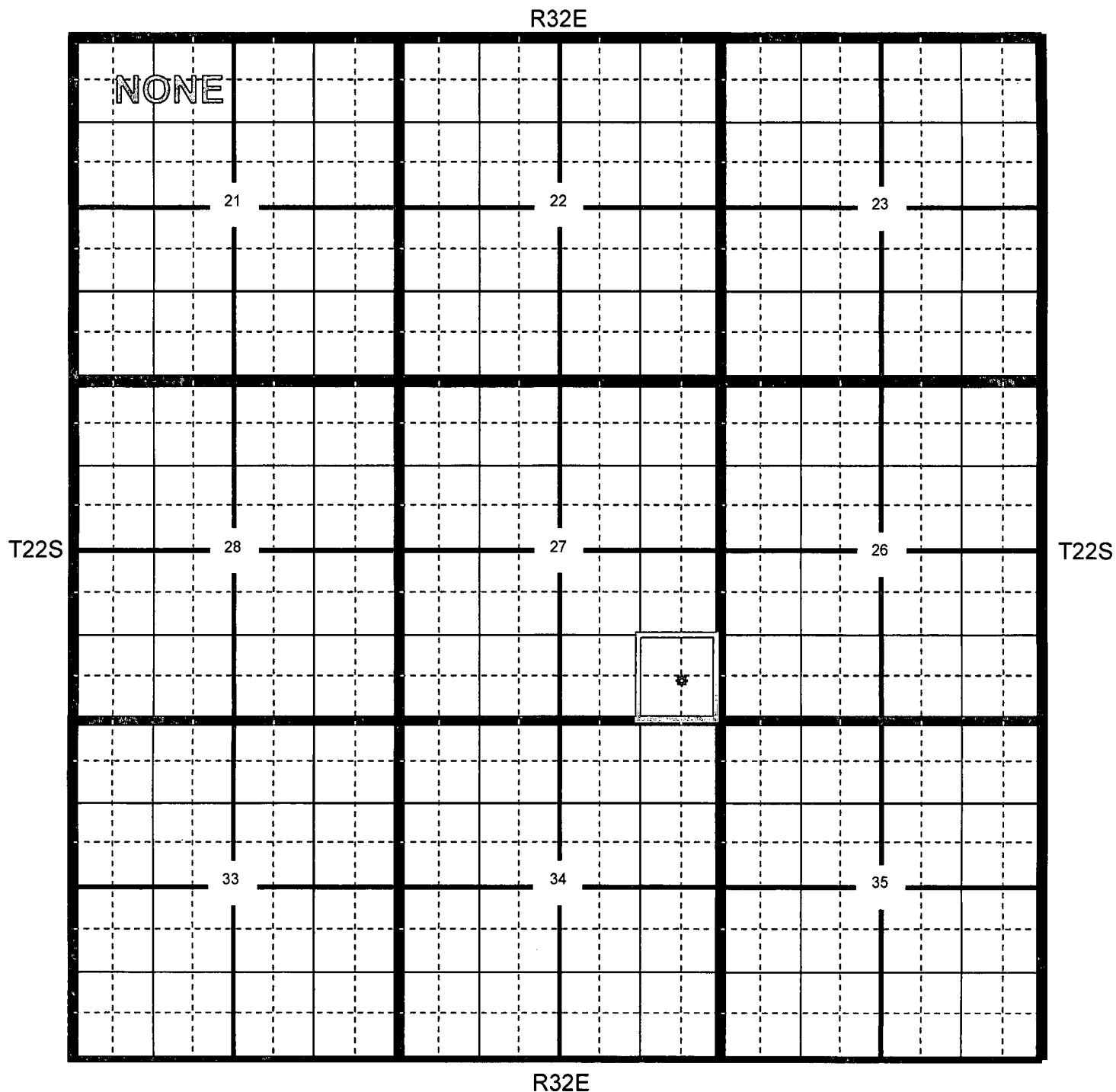
Unit Letter  
P

Section  
27

Township  
22S

Range  
32E

Trend Map 425'



★ Location

○ OCD

○ USGS

● SEO

● All Databases

Section Quarters

Oxy Prize 27 Federal #2 Battery

County Lea Unit Letter P Section 27 Township 22S Range 32E

Trend Map 425'

1

2

NW/NW NONE	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**  
**Prize 27 #2**

		Sample	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		160	32	32

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		4.18	<0.050	n/a
Toluene	BTEX 8021B		21.2	<0.050	n/a
Ethylbenzene	BTEX 8021B		18	<0.050	n/a
Total Xylenes	BTEX 8021B		58.2	<0.150	n/a
Total BTEX	BTEX 8021B		102	<0.300	n/a
Chloride	SM4500CI-B		256	48	<16.0
GRO	TPH 8015M		3350	<10.0	n/a
DRO	TPH 8015M		35800	136	n/a

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		320	64	<16.0

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	4/10/13	4/10/13	4/10/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.44	<0.050	n/a
Toluene	BTEX 8021B		16.6	<0.050	n/a
Ethylbenzene	BTEX 8021B		13.9	<0.050	n/a
Total Xylenes	BTEX 8021B		45	<0.150	n/a
Total BTEX	BTEX 8021B		78.9	<0.300	n/a
Chloride	SM4500CI-B		352	32	32
GRO	TPH 8015M		2450	<10.0	n/a
DRO	TPH 8015M		35400	209	n/a

**Laboratory Analytical Results Summary**  
**PRIZE 27-2**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/8/13	11/8/13	11/8/13	11/8/13	11/8/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.200	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.200	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	0.611	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	1.02	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	1.64	n/a	n/a	<0.300
Chloride	SM4500Cl-B		17000	464	224	80	128
GRO	TPH 8015M		n/a	116	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	2320	n/a	n/a	53.4

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<1.00	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	2.3	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	3.01	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	7.99	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	13.3	n/a	n/a	<0.300
Chloride	SM4500Cl-B		5860	4800	1470	608	112
GRO	TPH 8015M		n/a	619	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	5120	n/a	n/a	22.8

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	<0.300
Chloride	SM4500Cl-B		11500	1090	1630	1800	192
GRO	TPH 8015M		n/a	<50.0	n/a	n/a	<10.0
DRO	TPH 8015M		n/a	503	n/a	n/a	61

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	11/11/13	11/11/13	11/11/13	11/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	0.254	n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	0.307	n/a	<0.150
Total BTEX	BTEX 8021B		n/a	0.561	n/a	<0.300
Chloride	SM4500Cl-B		10100	1880	1220	192
GRO	TPH 8015M		n/a	<50.0	n/a	<10.0
DRO	TPH 8015M		n/a	520	n/a	122

April 18, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 04/12/13 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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: 04/12/2013  
 Reported: 04/18/2013  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 04/10/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H300875-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/16/2013	ND	432	108	400	0.00	

**Sample ID: SP 1 @ 1' (H300875-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00	


**Sample ID: SP 1 @ 2' (H300875-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00	

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: 04/12/2013  
Reported: 04/18/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/10/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ SURFACE (H300875-04)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.18	0.500	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	21.2	0.500	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	18.0	0.500	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	58.2	1.50	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEx	102	3.00	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>256</b>	16.0	04/16/2013	ND	432	108	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	
<b>GRO C6-C10</b>	<b>3350</b>	100	04/15/2013	ND	195	97.6	200	3.04		
<b>DRO &gt;C10-C28</b>	<b>35800</b>	100	04/15/2013	ND	195	97.3	200	3.66		

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 1430 % 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: 04/12/2013  
Reported: 04/18/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/10/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H300875-05)**

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	04/16/2013	ND	1.95	97.6	2.00	7.04	
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83	
Ethylbenzene*	<0.050	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16	
Total Xylenes*	<0.150	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83	
Total BTEX	<0.300	0.300	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/16/2013	ND	432	108	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	04/15/2013	ND	195	97.6	200	3.04	
DRO >C10-C28	136	10.0	04/15/2013	ND	195	97.3	200	3.66	

Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

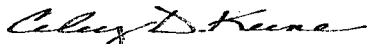
**Sample ID: SP 2 @ 2' (H300875-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2013	ND	432	108	400	0.00	

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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: 04/12/2013  
Reported: 04/18/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/10/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ SURFACE (H300875-07)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/16/2013	ND	432	108	400	0.00	

**Sample ID: SP 3 @ 1' (H300875-08)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/16/2013	ND	432	108	400	0.00	

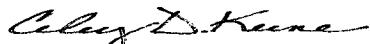
**Sample ID: SP 3 @ 2' (H300875-09)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/16/2013	ND	432	108	400	0.00	

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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: 04/12/2013  
Reported: 04/18/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/10/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ SURFACE (H300875-10)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>3.44</b>	1.00	04/16/2013	ND	1.95	97.6	2.00	7.04	
<b>Toluene*</b>	<b>16.6</b>	1.00	04/16/2013	ND	1.94	96.8	2.00	6.83	
<b>Ethylbenzene*</b>	<b>13.9</b>	1.00	04/16/2013	ND	1.92	96.0	2.00	7.16	
<b>Total Xylenes*</b>	<b>45.0</b>	3.00	04/16/2013	ND	5.59	93.2	6.00	6.83	
<b>Total BTEX</b>	<b>78.9</b>	6.00	04/16/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 152 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	04/16/2013	ND	432	108	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
<b>GRO C6-C10</b>	<b>2450</b>	100	04/15/2013	ND	195	97.6	200	3.04	
<b>DRO &gt;C10-C28</b>	<b>35400</b>	100	04/15/2013	ND	195	97.3	200	3.66	

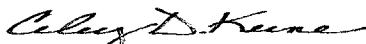
Surrogate: 1-Chlorooctane 213 % 65.2-140

Surrogate: 1-Chlorooctadecane 1520 % 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: 04/12/2013  
Reported: 04/18/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/10/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H300875-11)**

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	04/16/2013	ND	1.95	97.6	2.00	7.04		
Toluene*	<0.050	0.050	04/16/2013	ND	1.94	96.8	2.00	6.83		
Ethylbenzene*	<0.050	0.050	04/16/2013	ND	1.92	96.0	2.00	7.16		
Total Xylenes*	<0.150	0.150	04/16/2013	ND	5.59	93.2	6.00	6.83		
Total BTEx	<0.300	0.300	04/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2013	ND	432	108	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	04/15/2013	ND	195	97.6	200	3.04		
DRO >C10-C28	209	10.0	04/15/2013	ND	195	97.3	200	3.66		

Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

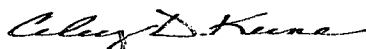
**Sample ID: SP 4 @ 2' (H300875-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2013	ND	432	108	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

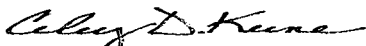
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



## Page 9 of 10

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Relinquished By: <u>Roger Hernandez</u>		Date: <u>4-17-13</u>	Received By: <u>Jodi Nelson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <u>9:00</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <u>40</u> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<u>JH</u> (Initials)	

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

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

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

2 of 2

Page 10 of 10

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; font-size: 2em;"> CL- TPH BTEX </div>																			
Address: P.O. Box 805				Company:																							
City: Hobbs		State: NM		Zip: 88241		Attn:																					
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: SAME		City:																					
Project #:		Project Owner: OXY		State:		Zip:																					
Project Name: PRIZE 27 #2				Phone #:																							
Project Location:				Fax #:																							
Sampler Name: ROGER HERNANDEZ																											
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE/COOL		OTHER:		DATE		TIME	
H300875		SP4 @ 1'		G-1						✓								✓						4-10-13		200	
11		@ 2'		G-1						✓								✓						4-10-13		220	

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Relinquished By: <i>Roger Hernandez</i>		Date: 4-17-13		Received By: <i>Jodi Benson</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 9:00						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY: <i>GH</i>			
Sampler - UPS - Bus - Other:				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

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

1 #26



November 21, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2

Enclosed are the results of analyses for samples received by the laboratory on 11/15/13 8:21.

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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SURFACE (H302790-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	11/21/2013	ND	432	108	400	3.77	

**Sample ID: SP 1 @ 1 FT (H302790-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	11/18/2013	ND	2.14	107	2.00	2.60		
Toluene*	<0.200	0.200	11/18/2013	ND	2.12	106	2.00	2.40		
Ethylbenzene*	0.611	0.200	11/18/2013	ND	2.12	106	2.00	2.58		
Total Xylenes*	1.02	0.600	11/18/2013	ND	6.19	103	6.00	2.34		
Total BTEX	1.64	1.20	11/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 151 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/21/2013	ND	432	108	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	116	50.0	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	2320	50.0	11/15/2013	ND	182	90.8	200	6.00	


Surrogate: 1-Chlorooctane 67.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/08/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2 FT (H302790-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/21/2013	ND	432	108	400	3.77	


**Sample ID: SP 1 @ 3 FT (H302790-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/21/2013	ND	432	108	400	3.77	

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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: 11/15/2013  
 Reported: 11/21/2013  
 Project Name: PRIZE 27 #2  
 Project Number: NONE GIVEN  
 Project Location: C-29

 Sampling Date: 11/08/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4 FT (H302790-05)**

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	11/18/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/18/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/18/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/18/2013	ND	6.19	103	6.00	2.34	
Total BTX	<0.300	0.300	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 89.4-126

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	11/21/2013	ND	432	108	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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	53.4	10.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 95.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

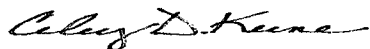
**Sample ID: SP 2 @ SURFACE (H302790-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5860	16.0	11/21/2013	ND	432	108	400	3.77	

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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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1 FT (H302790-07)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/18/2013	ND	2.14	107	2.00	2.60	
Toluene*	2.30	1.00	11/18/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	3.01	1.00	11/18/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	7.99	3.00	11/18/2013	ND	6.19	103	6.00	2.34	
Total BTX	13.3	6.00	11/18/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 127 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	11/21/2013	ND	432	108	400	3.77	

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	619	100	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	5120	100	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 172 % 65.2-140

Surrogate: 1-Chlorooctadecane 390 % 63.6-154

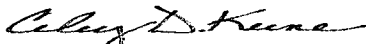
**Sample ID: SP 2 @ 2 FT (H302790-08)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	11/21/2013	ND	432	108	400	3.77	

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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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3 FT (H302790-09)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/21/2013	ND	432	108	400	3.77	

**Sample ID: SP 2 @ 4 FT (H302790-10)**

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/21/2013	ND	432	108	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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	22.8	10.0	11/15/2013	ND	182	90.8	200	6.00	

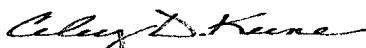
Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.3 % 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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ SURFACE (H302790-11)**

Chloride, SM4500CI-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	11/21/2013	ND	432	108	400	3.77	

**Sample ID: SP 3 @ 1' (H302790-12)**

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

Chloride, SM4500CI-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/21/2013	ND	432	108	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	<50.0	50.0	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	503	50.0	11/15/2013	ND	182	90.8	200	6.00	

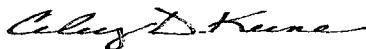
Surrogate: 1-Chlorooctane 81.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 123 % 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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H302790-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	11/21/2013	ND	432	108	400	3.77	

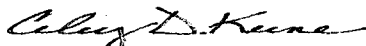
**Sample ID: SP 3 @ 3' (H302790-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	11/21/2013	ND	432	108	400	3.77	

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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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 4' (H302790-15)**

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2013	ND	432	108	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	11/15/2013	ND	182	91.1	200	5.05	
DRO >C10-C28	61.0	10.0	11/15/2013	ND	182	90.8	200	6.00	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.8 % 63.6-154

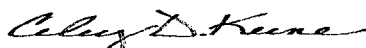
**Sample ID: SP 4 @ SURFACE (H302790-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	11/21/2013	ND	432	108	400	0.00	

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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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1 (H302790-17)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<b>0.254</b>	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<b>0.307</b>	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTX	<b>0.561</b>	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>1880</b>	16.0	11/21/2013	ND	432	108	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	11/18/2013	ND	215	108	200	0.572	
DRO >C10-C28	<b>520</b>	50.0	11/18/2013	ND	210	105	200	2.06	

Surrogate: 1-Chlorooctane 70.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

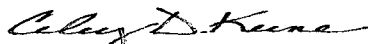
**Sample ID: SP 4 @ 2 (H302790-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>1220</b>	16.0	11/21/2013	ND	432	108	400	0.00	

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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: 11/15/2013  
Reported: 11/21/2013  
Project Name: PRIZE 27 #2  
Project Number: NONE GIVEN  
Project Location: C-29

Sampling Date: 11/11/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3 (H302790-19)**

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	11/19/2013	ND	2.14	107	2.00	2.60	
Toluene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.40	
Ethylbenzene*	<0.050	0.050	11/19/2013	ND	2.12	106	2.00	2.58	
Total Xylenes*	<0.150	0.150	11/19/2013	ND	6.19	103	6.00	2.34	
Total BTEX	<0.300	0.300	11/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2013	ND	432	108	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	11/18/2013	ND	215	108	200	0.572	
DRO >C10-C28	122	10.0	11/18/2013	ND	210	105	200	2.06	

Surrogate: 1-Chlorooctane 93.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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### Notes and Definitions

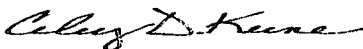
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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

Page 13 of 14

Company Name: BBC International, Inc.				<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
Project Manager: Cliff Brunson				P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>CL</div> <div>TPH</div> <div>BS-TEX</div> </div>									
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: OXY		City:											
Project Name: Prize 27.2				State:											
Project Location: C-29				Phone #:											
Sampler Name: Gas 12ay				Fax #:											
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	GRAB OR (COMP. # CONTAINERS)	MATRIX	PRESERV.	SAMPLING										
			GROUNDWATER												
			WASTEWATER												
			SOIL												
			OIL												
			SLUDGE												
			OTHER:												
			ACID/BASE:												
			ICE / COOL												
			OTHER:												
						DATE	TIME								
H302790	1 SP1 @ Surface	G				11-8-13	1:50	X							
	2 SP1 @ 2ft	G				11-8-13	2:10	X	X	X					
	3 SP1 @ 2ft	G				11-8-13	2:30	X							
	4 SP1 @ 3ft	G				11-8-13	2:48	X							
	5 SP1 @ 4ft	G				11-8-13	3:10	X	X	X					
	6 SP2 @ Surface	G				11-11-13	10:00	X							
	7 SP2 @ Surface 2ft	G				11-11-13	10:20	X	X	X					
	8 SP2 @ 2ft	G				11-11-13	10:35	X							
	9 SP2 @ 3ft	G				11-11-13	10:48	X							
	10 SP2 @ 4ft	G				11-11-13	11:10	X	X	X					

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Relinquished By:	Date: 11/13/13	Received By: Jodi Benson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 10:21		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	JTB	

† 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

Page 14 of 14

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
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:		City:																			
Project Name: <i>Pipe 27-2</i>				State:																Zip:			
Project Location: <i>C-29</i>				Phone #:																			
Sampler Name: <i>Gary Ray</i>				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME									
<i>H302790</i>															<i>CL</i>	<i>TPH</i>							
<i>11-SP3 @ Surface</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>11:30</i>	<i>X</i>								
<i>12-SP3 @ 1'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>11:45</i>	<i>X</i>	<i>X</i>							
<i>13-SP3 @ 2'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>11:58</i>	<i>X</i>								
<i>14-SP3 @ 3'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>12:36</i>	<i>X</i>								
<i>15-SP3 @ 4'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>1:00</i>	<i>X</i>	<i>X</i>							
<i>16-SP4 @ Surface</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>1:45</i>	<i>X</i>								
<i>17-SP4 @ 1'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>2:15</i>	<i>X</i>	<i>X</i>							
<i>18-SP4 @ 2'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>2:38</i>	<i>X</i>								
<i>19-SP4 @ 3'</i>	<i>G</i>					<i>X</i>							<i>11/11/13</i>	<i>2:55</i>	<i>X</i>	<i>X</i>							

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Relinquished By:	Date: <i>11/5/13</i> Time: <i>8:51</i>	Received By: <i>Jodi Henson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			REMARKS:	
Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <i>CH</i>		

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

#54

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

**NATURE OF RELEASE**

Type of Release	Produced water	Volume of Release	70 bbls	Volume Recovered	60 bbls
Source of Release	loss of power to transfer pump caused a tank to over spill	Date and Hour of Occurrence	04/1/2013	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? Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD			
By Whom?	Chancey Summers	Date and Hour 04/2/2013 @ 10:02 am			
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.*					
Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored.					
Describe Area Affected and Cleanup Action Taken.*					
The area affect was appx. 85' by 35'. Loss of power to transfer pump caused a tank to over spill 70 bbls of produced water to leak onto the ground. 60 bbls of produced water were recovered via vacuum truck and power was restored. Remediation will be performed in accordance with an approved plan from 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.					

**OIL CONSERVATION DIVISION**

Signature:	Approved by District Supervisor:		
Printed Name: Chancey Summers			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4/8/13 Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Prize 27 Federal #2	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-31902

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660'	South	660'	East	Lea

Latitude N 32.35709° Longitude W 103.65617°

#### NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	200 bbls	Volume Recovered	180 bbls
Source of Release	Faulty check valve on the water transfer pump	Date and Hour of Occurrence	04/29/2013	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?	Jennifer Van Curen-BLM, Jim Amos-BLM and Geoffrey Leking-OCD		
By Whom?	Chancey Summers	Date and Hour	05/01/2013 @ 10:07 am		
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.\*

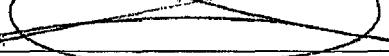
A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.\*

A faulty check valve on the water transfer pump caused 200 bbls of produced water to leak onto the ground. 180 bbls of produced water were recovered via vacuum truck and the valve was repaired. Remediation will be performed in accordance with an approved plan from 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.

#### OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:		
Printed Name: Chancey Summers			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 5/8/13	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary