



## OXY – PRIZE 27 FEDERAL #2 BATTERY

### REMEDIATION PLAN

---

OXY will excavate the spill area as depicted on the following site diagram. In the area near SP1, the excavation will be 1 foot. In the area near SP2, the excavation will be 2 feet. In the area near SP3, the excavation will be 1 foot. In the area near SP5, the excavation will be 3.5 feet. In the area near SP6, the excavation will be 3 feet. The entire site will be backfilled with clean soil.

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



Cliff,

After review of the work plan, NMOCD approves, with the following conditions:

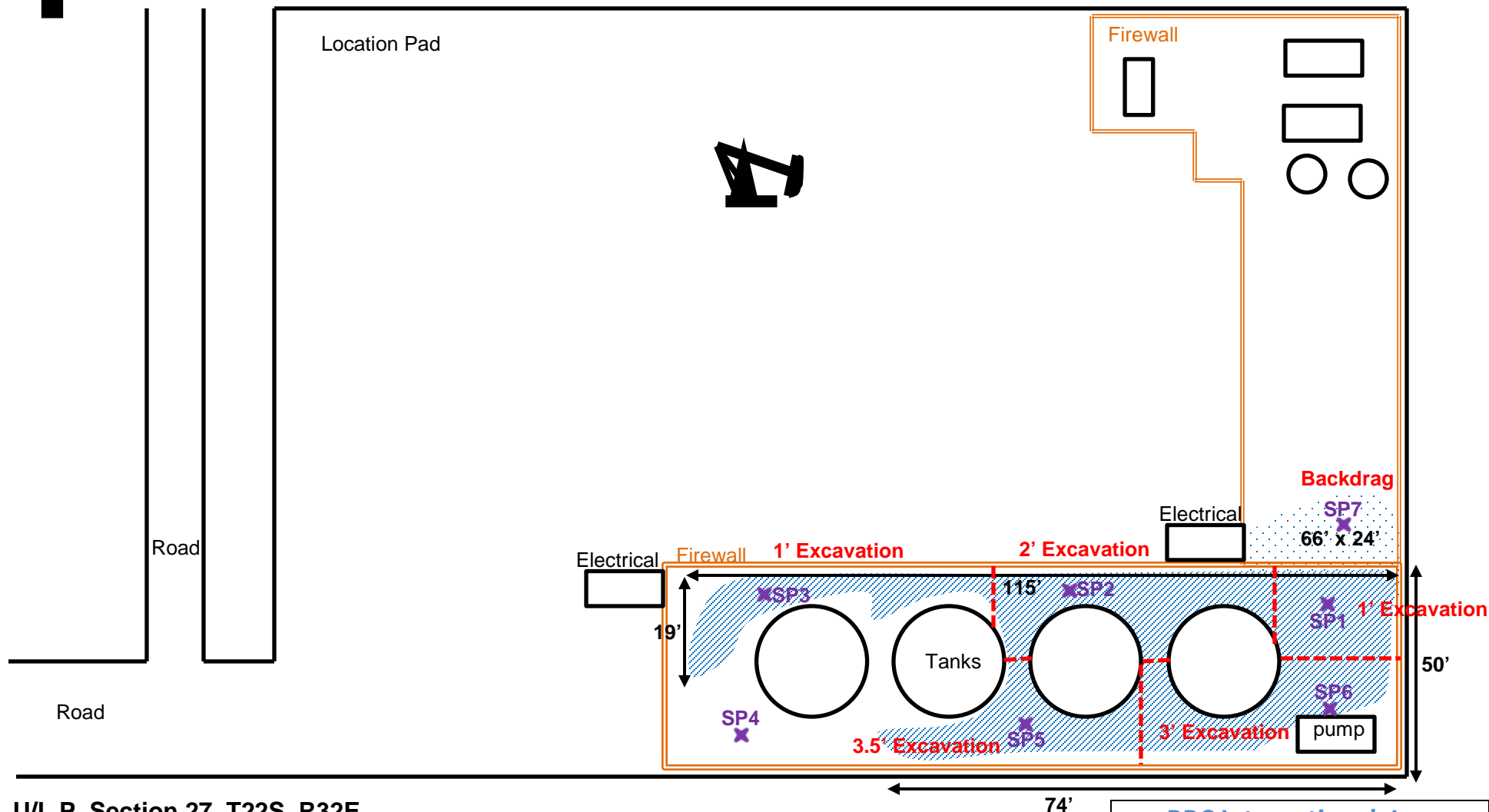
- A.) Sample Point 5 needs to be excavated to 4 ft bgs in accordance with NMOCD guidelines
- B.) Sample Point 6 needs to be excavated to 3.5 ft bgs in accordance with NMOCD guidelines

Thank You,

Kristen D. Lynch  
Environmental Specialist, District 1  
Oil Conservation Division, EMNRD  
(575) 393-6161 ext. 111  
575-370-3180 (emergency-cell)



Oxy  
Prize 27 Federal #2 Battery



U/L P, Section 27, T22S, R32E  
660' FSL, 660' FEL  
Lea County, NM  
N 32.35700° W 103.65605° at stake  
API# 30-025-31902

BBC International, Inc.	
Oxy Prize 27 Federal #2 Battery	
Date: 05/23/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016



# Groundwater Plot

Oxy Prize 27 Federal #2 CTB

County  
Lea

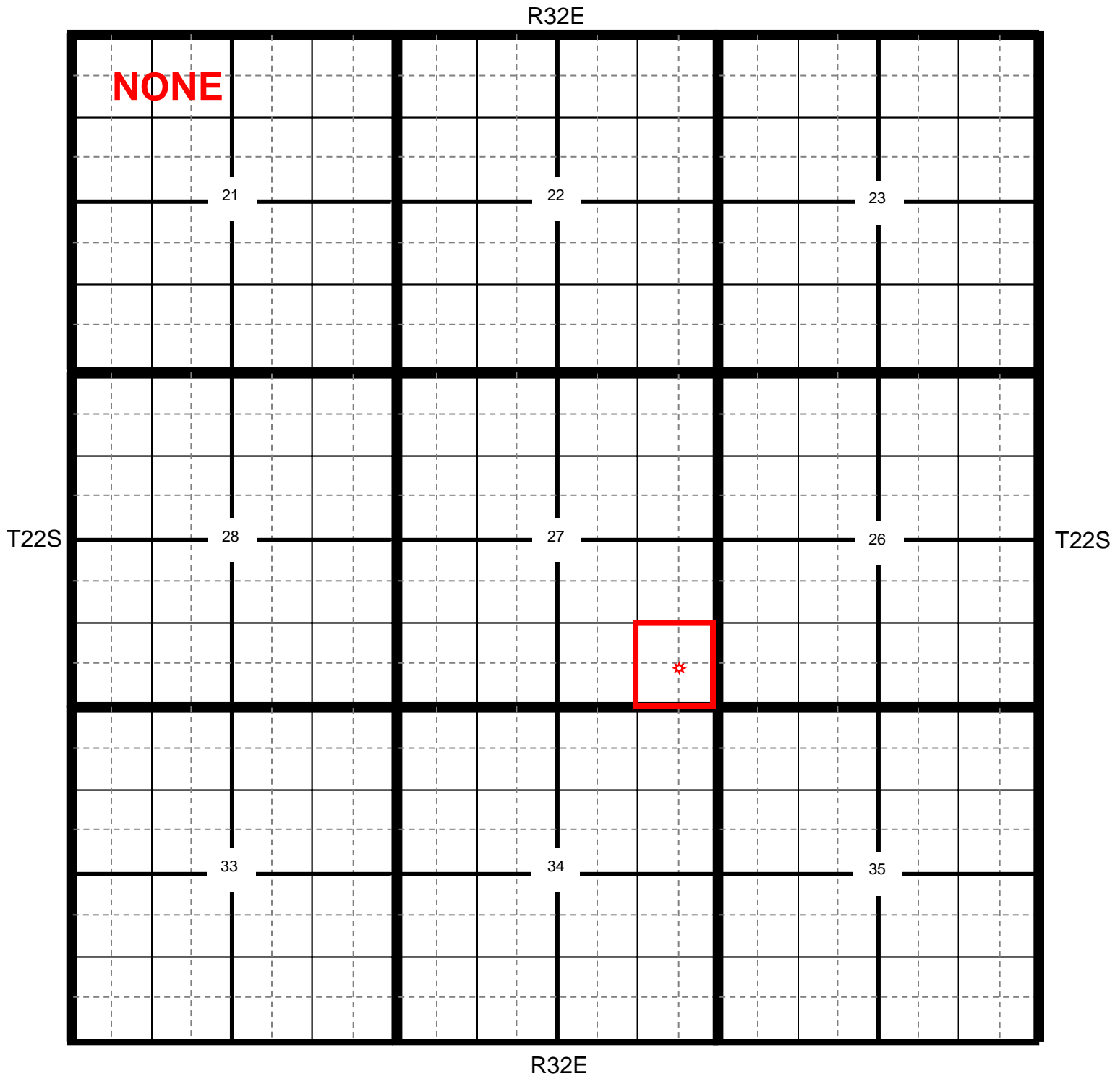
Unit Letter  
P

Section  
27

Township  
22S

Range  
32E

Trend Map 425'



★ Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Prize 27 Federal #2 CTB

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

Trend Map 425'

1

2

NW/NW <b>NONE</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**  
**Prize 27 Federal#2 CTB**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'
Analyte	Method	Date	5/19/16	5/19/16	5/19/16	5/19/16	5/19/16	5/19/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>1020</b>	<b>432</b>	<b>368</b>	<b>400</b>	<b>128</b>	
<b>GRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>158</b>	<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	5/19/16	5/19/16	5/19/16
			mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.500	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<b>0.971</b>	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<b>4.16</b>	<b>0.125</b>
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<b>4.09</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<b>9.22</b>	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>80</b>	<b>112</b>	<b>112</b>
<b>GRO</b>	TPH 8015M		<10.0	<b>908</b>	<50.0
<b>DRO</b>	TPH 8015M		<b>60.2</b>	<b>10500</b>	<b>1460</b>

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	5/19/16	5/19/16	5/19/16
			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	<b>0.077</b>	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<b>0.324</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<b>0.401</b>	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>2480</b>	<b>96</b>	<b>160</b>
<b>GRO</b>	TPH 8015M		<b>18.6</b>	<b>10.3</b>	<10.0
<b>DRO</b>	TPH 8015M		<b>776</b>	<b>292</b>	<b>115</b>

		Sample	SP4 @ 1'
Analyte	Method	Date	5/20/16
			mg/Kg
<b>Benzene</b>	BTEX 8021B		n/a
<b>Toluene</b>	BTEX 8021B		n/a
<b>Ethylbenzene</b>	BTEX 8021B		n/a
<b>Total Xylenes</b>	BTEX 8021B		n/a
<b>Total BTEX</b>	BTEX 8021B		n/a
<b>Chloride</b>	SM4500Cl-B		<b>176</b>
<b>GRO</b>	TPH 8015M		n/a
<b>DRO</b>	TPH 8015M		n/a

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
Analyte	Method	Date	5/20/16	5/20/16	5/20/16	5/20/16	5/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>8660</b>	<b>2200</b>	<b>1520</b>	<b>1010</b>	<b>160</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<10.0	<b>23.7</b>	<10.0	n/a	n/a

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'
Analyte	Method	Date	5/20/16	5/20/16	5/20/16	5/20/16	5/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>160</b>	<b>7330</b>	<b>1840</b>	<b>496</b>	<b>160</b>
<b>GRO</b>	TPH 8015M		<b>11.1</b>	<10.0	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>615</b>	<10.0	<10.0	n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	5/20/16	5/20/16
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	n/a
<b>Chloride</b>	SM4500Cl-B		<b>224</b>	<b>224</b>
<b>GRO</b>	TPH 8015M		<10.0	n/a
<b>DRO</b>	TPH 8015M		<10.0	n/a



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

May 31, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 FED #2

Enclosed are the results of analyses for samples received by the laboratory on 05/24/16 16:30.

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, flowing 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: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 1 @ 1' (H601136-01)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.14	107	2.00	3.91	
Toluene*	<0.050	0.050	05/27/2016	ND	2.15	107	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	2.30	115	2.00	2.29	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	6.62	110	6.00	0.824	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	05/25/2016	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	05/25/2016	ND	190	94.9	200	5.43	
DRO >C10-C28	158	10.0	05/25/2016	ND	186	92.9	200	16.1	

Surrogate: 1-Chlorooctane 99.8 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 1 @ 2' (H601136-02)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.14	107	2.00	3.91	
Toluene*	<0.050	0.050	05/27/2016	ND	2.15	107	2.00	4.58	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	2.30	115	2.00	2.29	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	6.62	110	6.00	0.824	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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
Chloride	432	16.0	05/25/2016	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	05/25/2016	ND	190	94.9	200	5.43	
DRO >C10-C28	<10.0	10.0	05/25/2016	ND	186	92.9	200	16.1	

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

**Sample ID: SP 1 @ 3' (H601136-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/25/2016	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 1 @ 4' (H601136-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/25/2016	ND	432	108	400	0.00	

**Sample ID: SP 1 @ 5' (H601136-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/26/2016	ND	416	104	400	3.77	

**Sample ID: SP 1 @ 6' (H601136-06)**

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	05/26/2016	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 2 @ 1' (H601136-07)**

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13		
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21		
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55		
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20		
Total BTX	<0.300	0.300	05/27/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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
Chloride	80.0	16.0	05/26/2016	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	05/25/2016	ND	190	94.9	200	5.43	
DRO >C10-C28	60.2	10.0	05/25/2016	ND	186	92.9	200	16.1	

Surrogate: 1-Chlorooctane 92.6 % 35-147

Surrogate: 1-Chlorooctadecane 98.2 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 2 @ 2' (H601136-08)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	0.971	0.500	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	4.16	0.500	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	4.09	1.50	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	9.22	3.00	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	
Chloride	112	16.0	05/26/2016	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: CK						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<b>908</b>	200	05/26/2016	ND	175	87.7	200	2.89	QM-07
DRO >C10-C28	<b>10500</b>	200	05/26/2016	ND	187	93.4	200	4.53	QM-07

Surrogate: 1-Chlorooctane 111 % 35-147

Surrogate: 1-Chlorooctadecane 274 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 2 @ 3' (H601136-09)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	0.125	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTEx	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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
Chloride	112	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/26/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	1460	50.0	05/26/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 65.9 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 3 @ 1' (H601136-10)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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
Chloride	2480	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	18.6	10.0	05/26/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	776	10.0	05/26/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 82.0 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 3 @ 2' (H601136-11)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<b>0.077</b>	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
<b>Total Xylenes*</b>	<b>0.324</b>	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
<b>Total BTX</b>	<b>0.401</b>	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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>96.0</b>	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>10.3</b>	10.0	05/27/2016	ND	175	87.7	200	2.89	
<b>DRO &gt;C10-C28</b>	<b>292</b>	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 87.6 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/19/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 3 @ 3' (H601136-12)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
Chloride	160	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	115	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 67.3 % 35-147

Surrogate: 1-Chlorooctadecane 85.2 % 28-171

**Sample ID: SP 4 @ 1' (H601136-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/26/2016	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 5 @ 1' (H601136-14)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
Chloride	8660	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 68.0 % 35-147

Surrogate: 1-Chlorooctadecane 88.5 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 5 @ 2' (H601136-15)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
Chloride	2200	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	23.7	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 73.9 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 5 @ 3' (H601136-16)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTEx	<0.300	0.300	05/27/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 75.4 % 35-147

Surrogate: 1-Chlorooctadecane 96.4 % 28-171

**Sample ID: SP 5 @ 4' (H601136-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	05/26/2016	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 5 @ 5' (H601136-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/26/2016	ND	416	104	400	3.77	

**Sample ID: SP 6 @ 1' (H601136-19)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTEX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.1	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	615	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 79.2 % 35-147

Surrogate: 1-Chlorooctadecane 99.0 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 6 @ 2' (H601136-20)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
Chloride	7330	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 62.2 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 6 @ 3' (H601136-21)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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
Chloride	1840	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

**Sample ID: SP 6 @ 4' (H601136-22)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/26/2016	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 6 @ 5' (H601136-23)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/26/2016	ND	416	104	400	3.77	

**Sample ID: SP 7 @ 1' (H601136-24)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2016	ND	2.04	102	2.00	3.13	
Toluene*	<0.050	0.050	05/27/2016	ND	1.95	97.6	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2016	ND	1.77	88.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	05/27/2016	ND	5.62	93.7	6.00	3.20	
Total BTEX	<0.300	0.300	05/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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
Chloride	224	16.0	05/26/2016	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	175	87.7	200	2.89	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	187	93.4	200	4.53	

Surrogate: 1-Chlorooctane 62.4 % 35-147

Surrogate: 1-Chlorooctadecane 92.8 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 05/24/2016  
Reported: 05/31/2016  
Project Name: PRIZE 27 FED #2  
Project Number: OXY  
Project Location: LEA COUNTY, NM

Sampling Date: 05/20/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Amanda Ponce

**Sample ID: SP 7 @ 2' (H601136-25)****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	05/26/2016	ND	416	104	400	0.00	QR-03

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

### 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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager





# ORDINAL 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. #:										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										Company:																			
Address: P.O. Box 805										Attn:																			
City: Hobbs										State: NM Zip: 88241																			
Phone #: 575-397-6388										Fax #: 575-397-0397																			
Project #:										Project Owner: OXY																			
Project Name: Phase 27 Federal #2										City:																			
Project Location:										State: Zip:																			
Sample Name: Telf Ordus										Phone #:																			
FOR LAB USE ONLY										Fax #:																			
Lab I.D.										Sample I.D.																			
H001136																													
11										6																			
12										6																			
13										6																			
14										6																			
15										6																			
16										6																			
17										6																			
18										6																			
19										6																			
20										6																			
21										6																			
22										6																			
23										6																			
24										6																			
25										6																			
26										6																			
27										6																			
28										6																			
29										6																			
30										6																			
31										6																			
32										6																			
33										6																			
34										6																			
35										6																			
36										6																			
37										6																			
38										6																			
39										6																			
40										6																			
41										6																			
42										6																			
43										6																			
44										6																			
45										6																			
46										6																			
47										6																			
48										6																			
49										6																			
50										6																			
51										6																			
52										6																			
53										6																			
54										6																			
55										6																			
56										6																			
57										6																			
58										6																			
59										6																			
60										6																			
61										6																			
62										6																			
63										6																			
64										6																			
65										6																			
66										6																			
67										6																			
68										6																			
69										6																			
70										6																			
71										6																			
72										6																			
73										6																			
74										6																			
75										6																			
76										6																			
77										6																			
78										6																			
79										6																			
80										6																			
81										6																			
82										6																			
83										6																			
84										6																			
85										6																			
86										6																			
87										6																			
88										6																			
89										6																			
90										6																			
91										6																			
92										6																			
93										6																			
94										6																			
95										6																			
96										6																			
97										6																			
98										6																			
99										6																			
100										6																			
101										6																			
102										6																			
103										6																			
104										6																			
105										6																			
106										6																			
107										6																			
108										6																			
109										6																			
110										6																			
111										6																			
112										6																			
113										6																			
114										6																			
115										6																			
116										6																			
117										6																			
118										6																			
119																													



## ORDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Prize 27 Federal #2 CTB	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					Lea County, NM

Latitude N 32.35700° Longitude W 103.65605°

### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 25 bbls produced water	Volume Recovered	25 bbls
Source of Release	Power failure and faulty check valve cause tank overflow	Date and Hour of Occurrence	05/17/2016	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?	Jamie Keyes-NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis	Date and Hour	05/17/2016 @ 11:02 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.\*

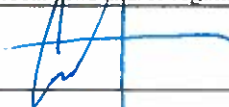
Describe Cause of Problem and Remedial Action Taken.\*

Power failure and a faulty check valve caused the tank to overflow spilling 5 bbls of oil and 25 bbls of produced water. A vacuum truck recovered 25 bbls of fluids and the power was restored.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 115' x 75' on location. 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:				<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Casey Summers	Approved by Environmental Specialist:			
Title:	NM Environmental Advisor	Approval Date:		Expiration Date:	
E-mail Address:	Casey.Summers@oxy.com	Conditions of Approval:			Attached <input type="checkbox"/> IRP 4289
Date:	5-23-16	Phone:	(575) 513-8289		

\* Attach Additional Sheets If Necessary