



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

---

## **Oxy – MLMU #247 (04/07/2016)**

### **REMEDIATION PLAN, RP # 1RP-4242**

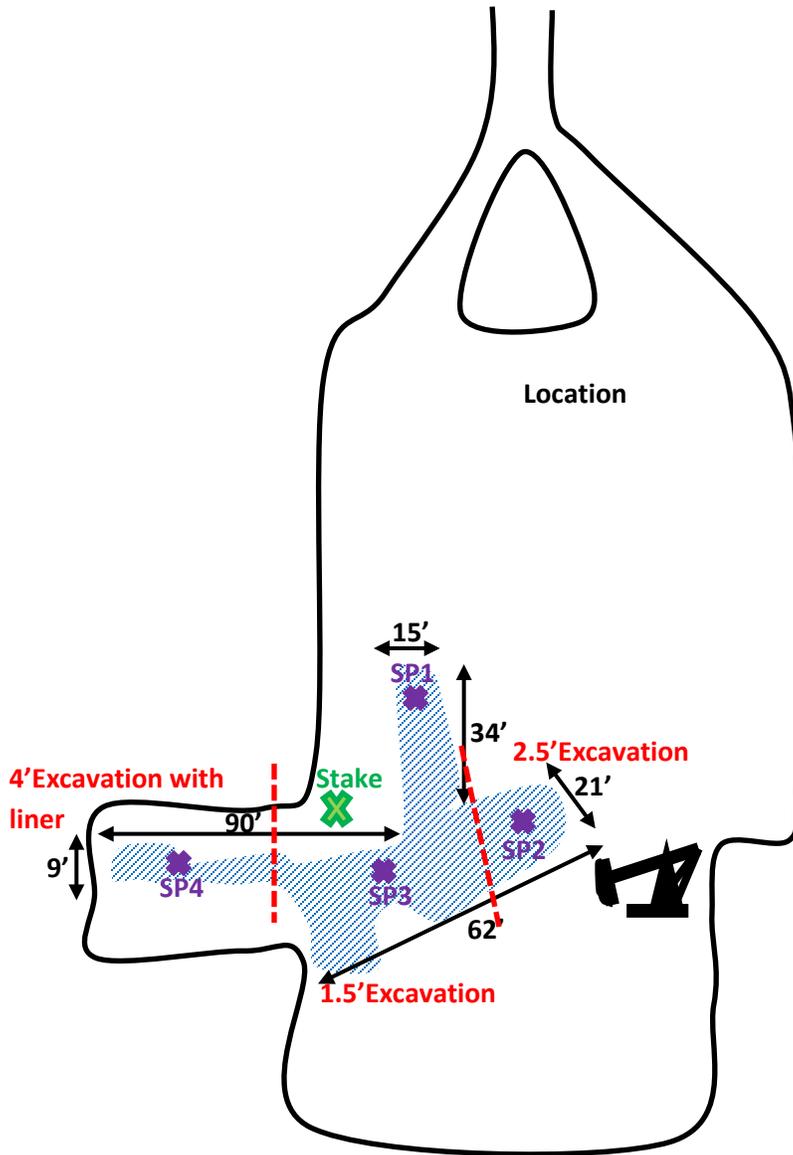
---

Oxy will excavate the spill area as depicted on the following site diagram. The areas of SP1 and SP3 will be excavated to a depth of 1.5 feet. The area of SP2 will be excavated to a depth of 2.5 feet. The area of SP4 will be excavated to a depth of 4 feet and a liner will be placed in the excavation. The entire site will then be backfilled with clean soil.

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

Oxy

MLMU #247 (04/07/2016)



U/L P, Section 7, T24S, R37E

Lea County, NM

N 32.22636° W103.19575°

API# 30-025-11044

BBC International, Inc.

Oxy  
MLMU #247

Date: 04/11/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016

# Groundwater Plot

## Oxy MLMU #247

County  
Lea County

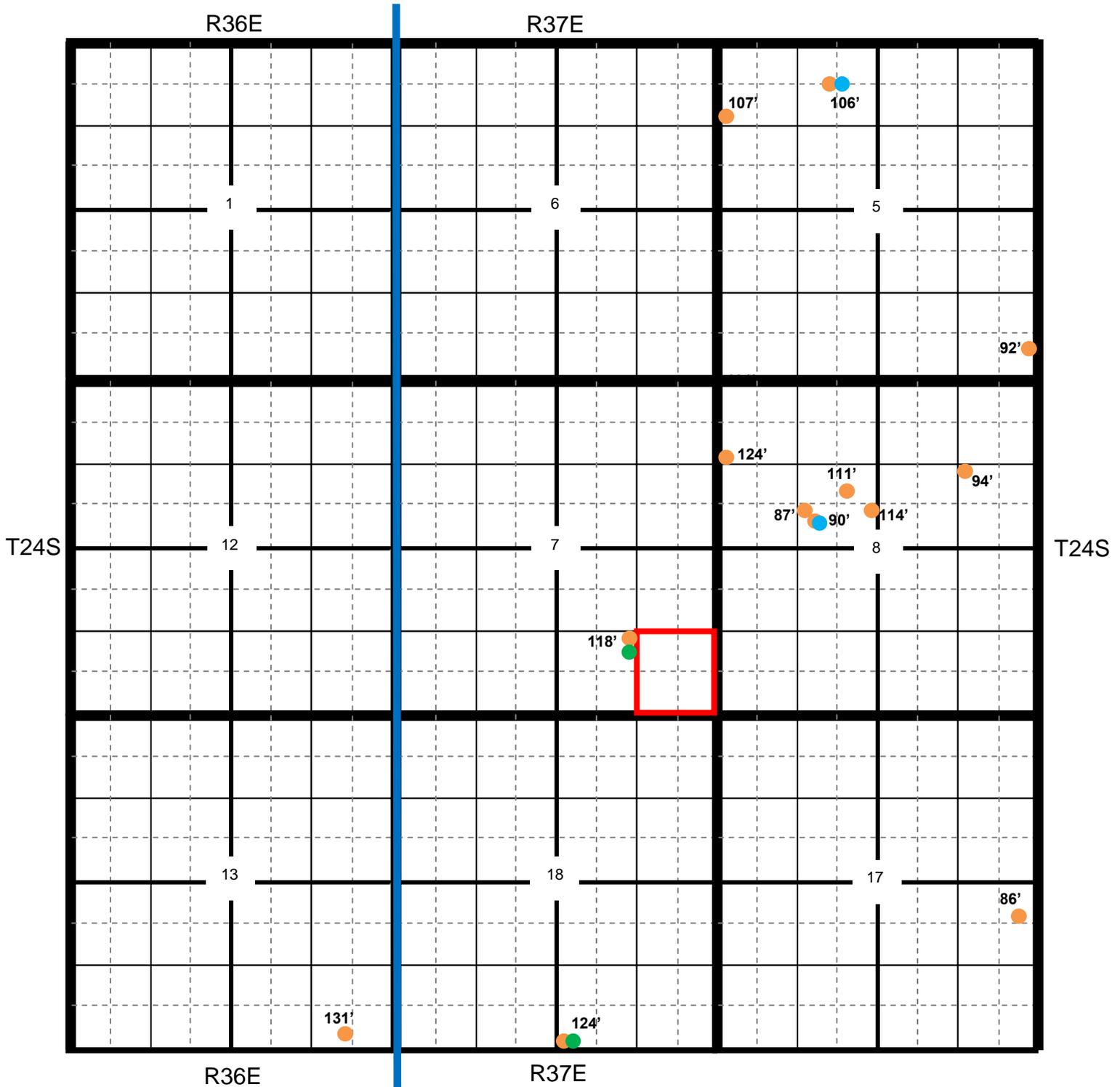
Unit Letter  
P

Section  
7

Township  
24S

Range  
37E

Trend Map 100'



Location

OCD

USGS

SEO

All Databases

Section Quarters

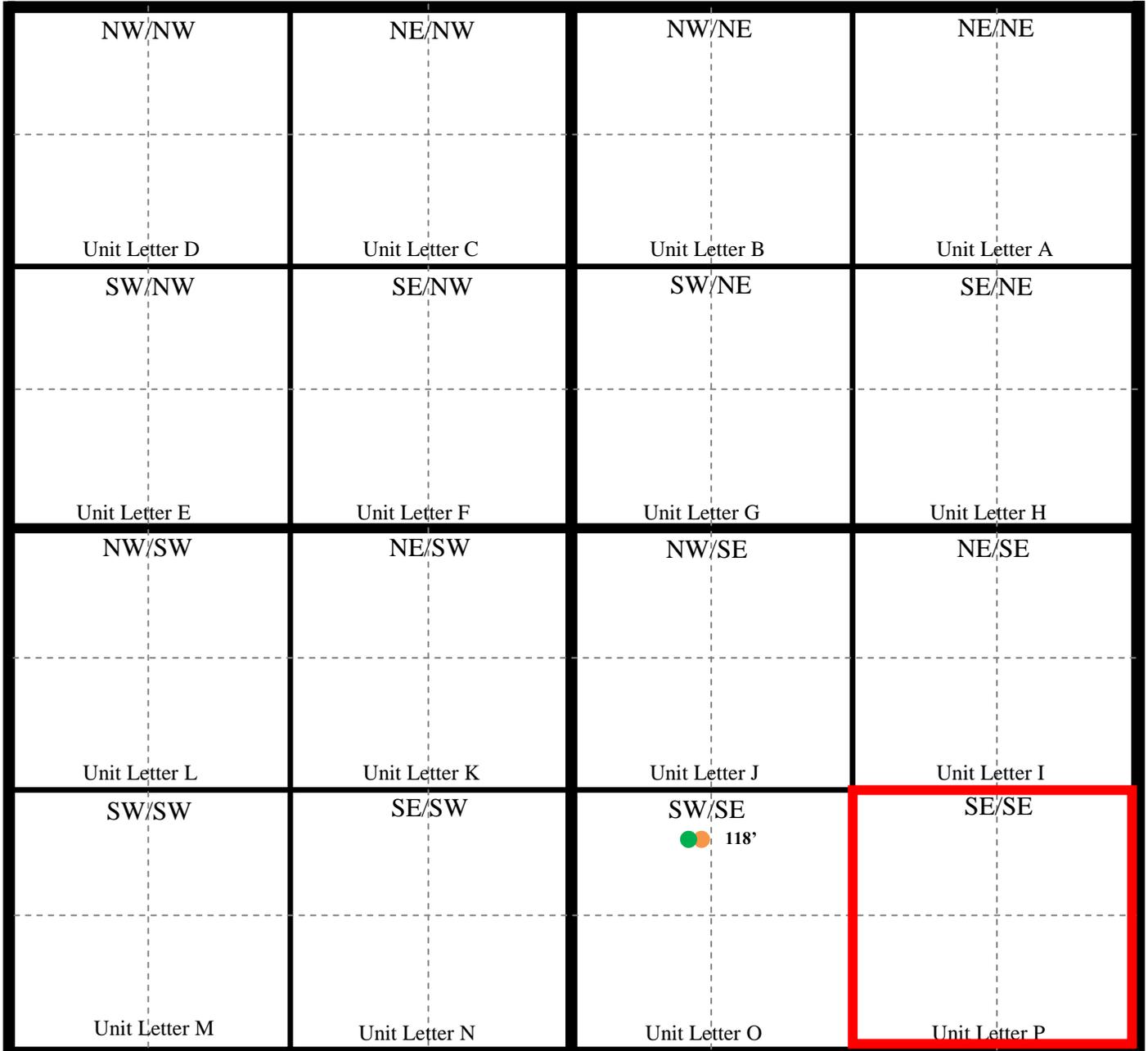
Oxy MLMU #247

County      Unit Letter      Section      Township      Range  
 Lea County      P      7      24S      37E

Trend Map 100'

1

2



3

4





April 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 04/21/16 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 1 @ 1' (H600863-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.14	107	2.00	2.41	
Toluene*	<0.050	0.050	04/22/2016	ND	2.06	103	2.00	2.59	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.87	93.6	2.00	3.31	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.74	95.6	6.00	3.02	
Total BTEX	<0.300	0.300	04/22/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.6-140*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1440</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

*Surrogate: 1-Chlorooctane 80.9 % 35-147*
*Surrogate: 1-Chlorooctadecane 86.2 % 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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 1 @ 2' (H600863-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.6-140*

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

*Surrogate: 1-Chlorooctane 79.6 % 35-147*
*Surrogate: 1-Chlorooctadecane 87.0 % 28-171*
**Sample ID: SB 1 @ 3' (H600863-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 1 @ 4' (H600863-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	04/22/2016	ND	416	104	400	3.92	

**Sample ID: SB 2 @ 1' (H600863-05)**

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	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1200</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
<b>DRO &gt;C10-C28</b>	<b>14.1</b>	10.0	04/22/2016	ND	217	109	200	11.4	

Surrogate: 1-Chlorooctane 91.7 % 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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 2 @ 2' (H600863-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.6-140*

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1420</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

*Surrogate: 1-Chlorooctane 78.6 % 35-147*
*Surrogate: 1-Chlorooctadecane 82.5 % 28-171*
**Sample ID: SB 2 @ 3' (H600863-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 2 @ 4' (H600863-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	04/22/2016	ND	416	104	400	3.92	

**Sample ID: SB 3 @ 1' (H600863-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1300</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

Surrogate: 1-Chlorooctane 86.3 % 35-147

Surrogate: 1-Chlorooctadecane 92.9 % 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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 3 @ 2' (H600863-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.6-140*

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

*Surrogate: 1-Chlorooctane 83.0 % 35-147*
*Surrogate: 1-Chlorooctadecane 90.2 % 28-171*
**Sample ID: SB 3 @ 3' (H600863-11)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>752</b>	16.0	04/22/2016	ND	416	104	400	3.92	

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:	04/21/2016	Sampling Date:	04/14/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 3 @ 4' (H600863-12)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	04/22/2016	ND	416	104	400	3.92	

**Sample ID: SB 3 @ 6' (H600863-13)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	04/22/2016	ND	416	104	400	3.92	

**Sample ID: SB 3 @ 7' (H600863-14)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>592</b>	16.0	04/22/2016	ND	416	104	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:	04/21/2016	Sampling Date:	04/15/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 4 @ 1' (H600863-15)**

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	04/22/2016	ND	2.03	101	2.00	0.809		
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581		
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792		
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270		
Total BTEX	<0.300	0.300	04/22/2016	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 73.6-140*

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1310</b>	16.0	04/22/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09		
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4		

*Surrogate: 1-Chlorooctane 94.4 % 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:	04/21/2016	Sampling Date:	04/15/2016
Reported:	04/26/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SB 4 @ 3' (H600863-16)**

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	04/22/2016	ND	2.03	101	2.00	0.809	
Toluene*	<0.050	0.050	04/22/2016	ND	1.96	98.0	2.00	0.581	
Ethylbenzene*	<0.050	0.050	04/22/2016	ND	1.77	88.7	2.00	0.792	
Total Xylenes*	<0.150	0.150	04/22/2016	ND	5.46	90.9	6.00	0.270	
Total BTEX	<0.300	0.300	04/22/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.6-140*

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2080</b>	16.0	04/22/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2016	ND	188	93.9	200	8.09	
DRO >C10-C28	<10.0	10.0	04/22/2016	ND	217	109	200	11.4	

*Surrogate: 1-Chlorooctane 142 % 35-147*
*Surrogate: 1-Chlorooctadecane 155 % 28-171*
**Sample ID: SB 4 @ 5' (H600863-17)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1360</b>	16.0	04/22/2016	ND	416	104	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: 04/21/2016  
 Reported: 04/26/2016  
 Project Name: MLMU #247  
 Project Number: NONE GIVEN  
 Project Location: JAL, NEW MEXICO

 Sampling Date: 04/15/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB 4 @ 7' (H600863-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2000</b>	16.0	04/22/2016	ND	416	104	400	0.00	

**Sample ID: SB 4 @ 9' (H600863-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1800</b>	16.0	04/22/2016	ND	416	104	400	0.00	

**Sample ID: SB 4 @ 10' (H600863-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1880</b>	16.0	04/22/2016	ND	416	104	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

**Notes and Definitions**

- QR-03            The RPD value for the sample duplicate or MS/MSD was outside of 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





**ARDINAL LABORATORIES**

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

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

1 of 2

**ANALYSIS REQUEST**

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

Project Manager: Cliff Brunson

P.O. #: \_\_\_\_\_

Address: P. O. Box 805

Company: *OKY*

City: Hobbs State: NM Zip: 88241

Attn: *Carly Summers*

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

Address: \_\_\_\_\_

Project #: \_\_\_\_\_ Project Owner: *OKY*

City: \_\_\_\_\_

Project Name: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Project Location: \_\_\_\_\_ Phone #: \_\_\_\_\_

Sampler Name: *Cliff Brunson* Fax #: \_\_\_\_\_

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV		DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			
<i>H100862</i>	<i>SB101</i>	<i>G</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>830</i>	<i>TPH</i>							
	<i>03</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>845</i>	<i>BTEX</i>							
	<i>04</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>900</i>	<i>CHLORIDE</i>							
	<i>05</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>945</i>								
	<i>06</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>1000</i>								
	<i>07</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>1015</i>								
	<i>08</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>1030</i>								
	<i>09</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>1100</i>								
	<i>10</i>	<i>C</i>	<i>1</i>	<input checked="" type="checkbox"/>	<i>4.10.16</i>	<i>1115</i>								

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or resulting from the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Roger Hernandez* Date: *4-20-16* Received By: *Cliff Brunson* Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_

Time: *8:35* Date: \_\_\_\_\_ Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_

Time: \_\_\_\_\_ Date: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_

Sampler - UPS - Bus - Other: \_\_\_\_\_

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

*changed - 5:32 #54*





October 27, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 10/21/16 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

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:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/27/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SP 4 @ 11' (H602379-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>928</b>	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 16' (H602379-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1280</b>	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 20' (H602379-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1640</b>	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 30' (H602379-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1010</b>	16.0	10/24/2016	ND	416	104	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:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/27/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SP 4 @ 35' (H602379-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 40' (H602379-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 41' (H602379-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 42' (H602379-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 8' (H602379-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/24/2016	ND	416	104	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:	10/21/2016	Sampling Date:	10/20/2016
Reported:	10/27/2016	Sampling Type:	Soil
Project Name:	MLMU #247	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: SP 3 @ 9' (H602379-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>512</b>	16.0	10/24/2016	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 10' (H602379-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	10/24/2016	ND	416	104	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

**Notes and Definitions**

- 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



---

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #:  
Project Manager: Cliff Brunson Company:  
Address: P.O. Box 805 State: NM zip: 88241  
City: Hobbs Attn:  
Phone #: 575-397-6388 Fax #: 575-397-0397 Address:  
Project #: Project Owner: OXY City: State: Zip:  
Project Name: MLANK #247 Phone #: Fax #:  
Project Location: State: Zip:

Sampler Name: Pace Brunson FOR LAB USE ONLY  
Lab I.D. Sample I.D.  
H1602374

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
1	SPT0111	G	1	/	/	/	/	/	10/20/16	1015		
2	SPT0116	G	1	/	/	/	/	/	10/20/16	1145		
3	SPT0220	G	1	/	/	/	/	/	10/20/16	100		
4	SPT0301	G	1	/	/	/	/	/	10/20/16	120		
5	SPT0335	G	1	/	/	/	/	/	10/20/16	135		
6	SPT0401	G	1	/	/	/	/	/	10/20/16	200		
7	SPT0411	G	1	/	/	/	/	/	10/20/16	215		
8	SPT0421	G	1	/	/	/	/	/	10/20/16	225		
9	SPT0421	G	1	/	/	/	/	/	10/20/16	300		
10	SPT0421	G	1	/	/	/	/	/	10/20/16	315		

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

Relinquished By: [Signature] Date: 10-21-16 Time: 5:00 Received By: [Signature] Date: 10-21-16 Time: 5:45

Relinquished By: [Signature] Date: 10-21-16 Time: 5:00 Received By: [Signature] Date: 10-21-16 Time: 5:45

Delivered By: (Circle One) UPS 1.36 Sample Condition:  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: 1.36 CHECKED BY: [Signature] (Initials) [Signature]

Phone Result:  Yes  No Add'l Phone #: #75  
Fax Result:  Yes  No Add'l Fax #: #75

REMARKS:

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



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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	MLMU #247	Facility Type	Well
Surface Owner	Kelly Myers	Mineral Owner	
		API No.	30-025-11044

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	7	24S	37E					Lea County, NM

Latitude N 32.22625° Longitude W 103.19567°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	3 bbls oil, 7 bbls produced water	Volume Recovered	0 bbls
Source of Release	Compromised 2" steel production flow line	Date and Hour of Occurrence	04/07/2016	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		
By Whom?	Kathy Purvis @ BBC International	Date and Hour	04/07/2016 @ 4:07 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

A compromised 2" steel production flow line leaked 3 bbls of oil and 7 bbls of produced water. No fluids were recovered and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 12' x 25' both on and off location about 45' west of the wellhead. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-11-16	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary