



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

---

## OXY – NHU SATELLITE #32 WEST

### REMEDIATION PLAN

---

OXY will excavate the spill area as depicted on the following site diagram. In the area near SP1, SP2, SP3, and SP4, the excavation will be 2 feet. In the area near SP5 and SP6, the excavation will be 1 foot. 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 your work plan NMOCD approves the following work plan with conditions:

- A.) Sample points 2,3, &4 must be excavated to 3 feet bgs
- B.) Conformation Sidewall Samples must be provided with the final work order
- C.) Notify NMOCD prior to Sidewall sampling to allow witnessing opportunity.

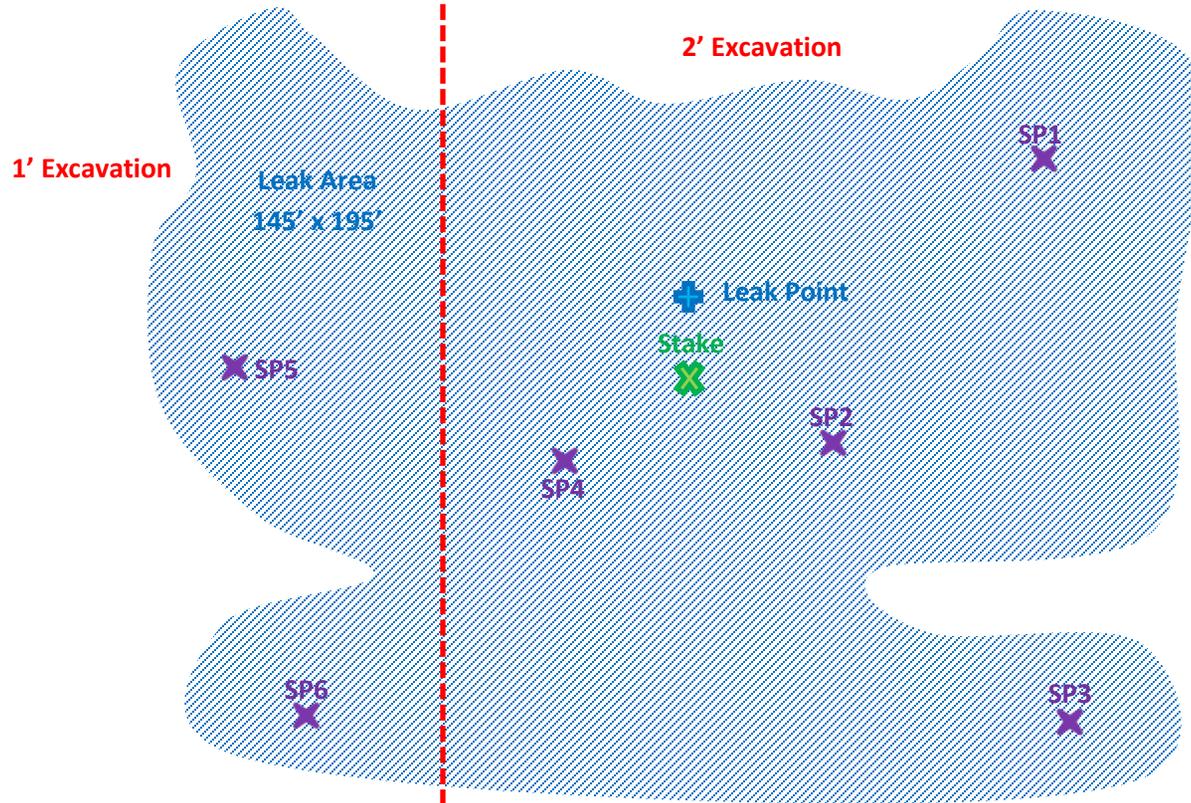
Thank You,

A handwritten signature in blue ink that reads "Kristen D. Lynch".

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



Oxy  
NHU Satellite #32 West (6/13/16)



U/L L, Section 29, T18S, R38E

Lea County, NM

N 32.71806° W 103.17622°

API# 30-025-23035

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>NHU Satellite #32W</b>	
Date: 06/16/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Wasson 2016

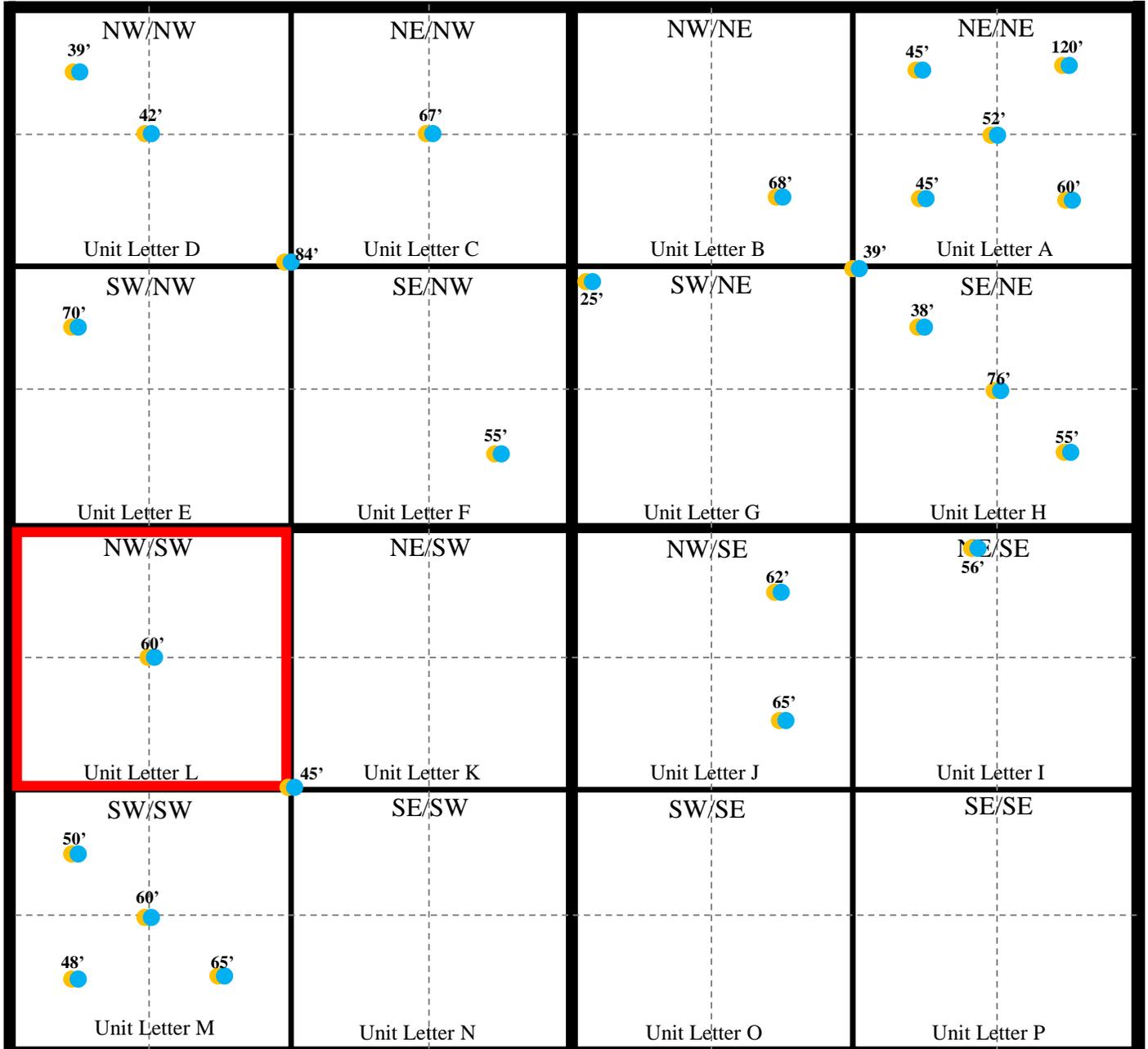
Oxy NHU Satellite #32W

County: Lea      Unit Letter: L      Section: 29      Township: 18S      Range: 38E

Trend Map <50'

1

2



3

4

**Laboratory Analytical Results Summary  
NHU Satellite #32 West**

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
			6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		976	528	320	96
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		35.6	19.7	n/a	n/a

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 2'
			6/15/16	6/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		864	16
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
			6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		976	528	288	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Analyte	Method	Sample Date	SP6 @ 1'	SP6 @ 2'
			6/15/16	6/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		960	16
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
			6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		816	800	464	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		98.8	13.2	n/a	n/a

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
			6/15/16	6/20/16	6/20/16	6/20/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		848	720	464	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		56.9	23.8	n/a	n/a



June 27, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU SAT-32 WEST

Enclosed are the results of analyses for samples received by the laboratory on 06/21/16 13:27.

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".

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:	06/21/2016	Sampling Date:	06/15/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP1 @ 1 (H601350-01)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	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
<b>Chloride</b>	<b>976</b>	16.0	06/22/2016	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>35.6</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

*Surrogate: 1-Chlorooctane 80.4 % 35-147*
*Surrogate: 1-Chlorooctadecane 84.5 % 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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP1 @ 2 (H601350-02)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>528</b>	16.0	06/22/2016	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>19.7</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

*Surrogate: 1-Chlorooctane 71.0 % 35-147*
*Surrogate: 1-Chlorooctadecane 73.2 % 28-171*
**Sample ID: SP1 @ 3 (H601350-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	06/22/2016	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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP1 @ 4 (H601350-04)**

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	06/22/2016	ND	416	104	400	3.92	

**Sample ID: SP2 @ 1 (H601350-05)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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>976</b>	16.0	06/22/2016	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 89.4 % 35-147

Surrogate: 1-Chlorooctadecane 86.9 % 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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP2 @ 2 (H601350-06)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 104 % 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>528</b>	16.0	06/22/2016	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

*Surrogate: 1-Chlorooctane 87.3 % 35-147*
*Surrogate: 1-Chlorooctadecane 92.5 % 28-171*
**Sample ID: SP2 @ 3 (H601350-07)**

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>288</b>	16.0	06/22/2016	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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP2 @ 4 (H601350-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	06/22/2016	ND	400	100	400	3.92	

**Sample ID: SP3 @ 1 (H601350-09)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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>816</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>98.8</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 86.6 % 35-147

Surrogate: 1-Chlorooctadecane 84.2 % 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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP3 @ 2 (H601350-10)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 107 % 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>800</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>13.2</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

*Surrogate: 1-Chlorooctane 78.1 % 35-147*
*Surrogate: 1-Chlorooctadecane 84.0 % 28-171*
**Sample ID: SP3 @ 3 (H601350-11)**

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>464</b>	16.0	06/22/2016	ND	400	100	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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP3 @ 4 (H601350-12)**

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>32.0</b>	16.0	06/22/2016	ND	400	100	400	3.92	

**Sample ID: SP4 @ 1 (H601350-13)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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>848</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>56.9</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 73.3 % 35-147

Surrogate: 1-Chlorooctadecane 76.8 % 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: 06/21/2016  
 Reported: 06/27/2016  
 Project Name: NHU SAT-32 WEST  
 Project Number: (6/14/16)  
 Project Location: OXY

 Sampling Date: 06/20/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP4 @ 2 (H601350-14)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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>720</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
<b>DRO &gt;C10-C28</b>	<b>23.8</b>	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 77.7 % 35-147

Surrogate: 1-Chlorooctadecane 77.1 % 28-171

**Sample ID: SP4 @ 3 (H601350-15)**

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>464</b>	16.0	06/22/2016	ND	400	100	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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP4 @ 4 (H601350-16)**

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>32.0</b>	16.0	06/22/2016	ND	400	100	400	3.92	

**Sample ID: SP5 @ 1 (H601350-17)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	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>864</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 82.2 % 35-147

Surrogate: 1-Chlorooctadecane 78.2 % 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:	06/21/2016	Sampling Date:	06/15/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP5 @ 2 (H601350-18)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	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
Chloride	16.0	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 73.9 % 35-147

Surrogate: 1-Chlorooctadecane 71.9 % 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:	06/21/2016	Sampling Date:	06/15/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP6 @ 1 (H601350-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	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
<b>Chloride</b>	<b>960</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

Surrogate: 1-Chlorooctane 80.1 % 35-147

Surrogate: 1-Chlorooctadecane 72.8 % 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:	06/21/2016	Sampling Date:	06/20/2016
Reported:	06/27/2016	Sampling Type:	Soil
Project Name:	NHU SAT-32 WEST	Sampling Condition:	Cool & Intact
Project Number:	(6/14/16)	Sample Received By:	Jodi Henson
Project Location:	OXY		

**Sample ID: SP6 @ 2 (H601350-20)**

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	06/23/2016	ND	2.12	106	2.00	1.60	
Toluene*	<0.050	0.050	06/23/2016	ND	1.97	98.3	2.00	0.439	
Ethylbenzene*	<0.050	0.050	06/23/2016	ND	1.76	88.2	2.00	0.635	
Total Xylenes*	<0.150	0.150	06/23/2016	ND	5.40	90.0	6.00	0.272	
Total BTEX	<0.300	0.300	06/23/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 104 % 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>16.0</b>	16.0	06/22/2016	ND	400	100	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	06/22/2016	ND	183	91.7	200	7.10	
DRO >C10-C28	<10.0	10.0	06/22/2016	ND	186	92.9	200	7.77	

*Surrogate: 1-Chlorooctane 80.4 % 35-147*
*Surrogate: 1-Chlorooctadecane 67.2 % 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

**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



---

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**

**ANALYSIS REQUEST**

**BILL TO**

Company Name: **BBC International, Inc.** P.O. #: \_\_\_\_\_  
 Project Manager: **Cliff Brunson** Company: \_\_\_\_\_  
 Address: **P.O. Box 805** Attn: **Terry**  
 City: **Hobbs** State: **NM** Zip: **88241** Address: **Apurba**  
 Phone #: **575-397-6388** Fax #: **575-397-0397** City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: **OK**  
 Project Name: **WHL. Sept. 32 West (6.19.16)** State: \_\_\_\_\_ Phone #: \_\_\_\_\_  
 Project Location: **Hobbs, NM** City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sampler Name: **Jose Hernandez** Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	STEX	TPH	CK
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
HA01350	SP303	(G)	1			X						6-20	2:09	X	X	X	
11	SP304	(G)	1			X						6-20	2:32	X	X	X	
12	SP401	(G)	1			X						6-15	1:05	X	X	X	
13	SP402	(G)	1			X						6-20	2:47	X	X	X	
14	SP403	(G)	1			X						6-15	2:55	X	X	X	
15	SP404	(G)	1			X						6-15	3:08	X	X	X	
16	SP501	(G)	1			X						6-15	3:18	X	X	X	
17	SP502	(G)	1			X						6-15	3:30	X	X	X	
18	SP601	(G)	1			X						6-15	3:30	X	X	X	
19	SP602	(G)	1			X						6-20	3:35	X	X	X	
20	SP603	(G)	1			X						6-20	3:35	X	X	X	

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 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: **6-21-16** Received By: *[Signature]* Date: **6-21-16**  
 Delivered By: (Circle One) **UPS** Sample Condition:  Intact  Cool  Yes  No  Yes  No  
 Sampler - UPS - Bus - Other: **2.4e** CHECKED BY: *[Signature]* (Initials) **KE#75**

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

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

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	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	NHU Satellite #32 W Trunk line	Facility Type	Satellite
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-23035

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	29	18S	38E					Lea County, NM

Latitude N 32.71806° Longitude W 103.17622°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl oil, 30 bbls produced water	Volume Recovered	15 bbls produced water
Source of Release	Stress/fatigue of 8" fiberglass trunkline	Date and Hour of Occurrence	06/13/2016	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? Maxey Brown-NMOCD			
By Whom?	Tony Aguilar/Mark Bowman- Oxy	Date and Hour	06/13/2016 @ 9:58 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.\*

Stress/fatigue of an 8" fiberglass trunkline caused a leak of 0.5 bbl of oil and 30 bbls of produced water. A vacuum truck recovered 15 bbls of produced water and the line was repaired.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 145' x 195' both on and off location. 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: 	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: Tony Aguilar	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Raymond_aguilar@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 6-22-16	Phone: (575) 397-8251		

\* Attach Additional Sheets If Necessary