

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	South Hobbs Unit #177	Facility Type	Production
Surface Owner	State	Mineral Owner	Oxy Permian
		API No.	30-025-28975

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	5	19S	38E	592	North	416	West	Lea County, NM

Latitude N 32.69482° Longitude W 103.17735°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	2 bbls oil, 526 bbls produced water	Volume Recovered	170 bbls produced water
Source of Release	Internal corrosion on a flowline	Date and Hour of Occurrence	12/19/2013 @ 8:30 am	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?	Geoffrey Leking, NMOCD		
By Whom?	Tony Aguilar	Date and Hour	12/19/2013 @ 10:25 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion on a flowline caused 2 bbls of oil and 526 bbls of produced water to leak onto the ground. 170 bbls of produced water were recovered via vacuum truck and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected was approximately 150' x 150' and did leave 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: 	Appr	APPROVED
Printed Name: Tony Aguilar		
Title: HES Specialist	Approval Date: 2/19/16	Attached <input type="checkbox"/>
E-mail Address: Raymon_Aguilar@oxy.com	Conditions of Approval:	
Date: 1-2-14	Phone: (575) 397-8251	

* Attach Additional Sheets If Necessary

128-4145



Oxy
SHU #177

HOBBS OCD

MAR 08 2014

RECEIVED

SHU #177 Location Pad

Well head

SP1

Leak Area
60' x 30'

SP2

SP3

Seperator

Tank

Leak Point
Stake

U/L K, Section 5, T19S, R38E

Lea County, NM

GPS at stake: N 32.68621° W 103.17290°

API# 30-025-28975 (nearest well)

BBC International, Inc.

Oxy
SHU #177

Date: 01/07/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

Section Quarters

Oxy SHU #177

County
Lea

Unit Letter
K

Section 5

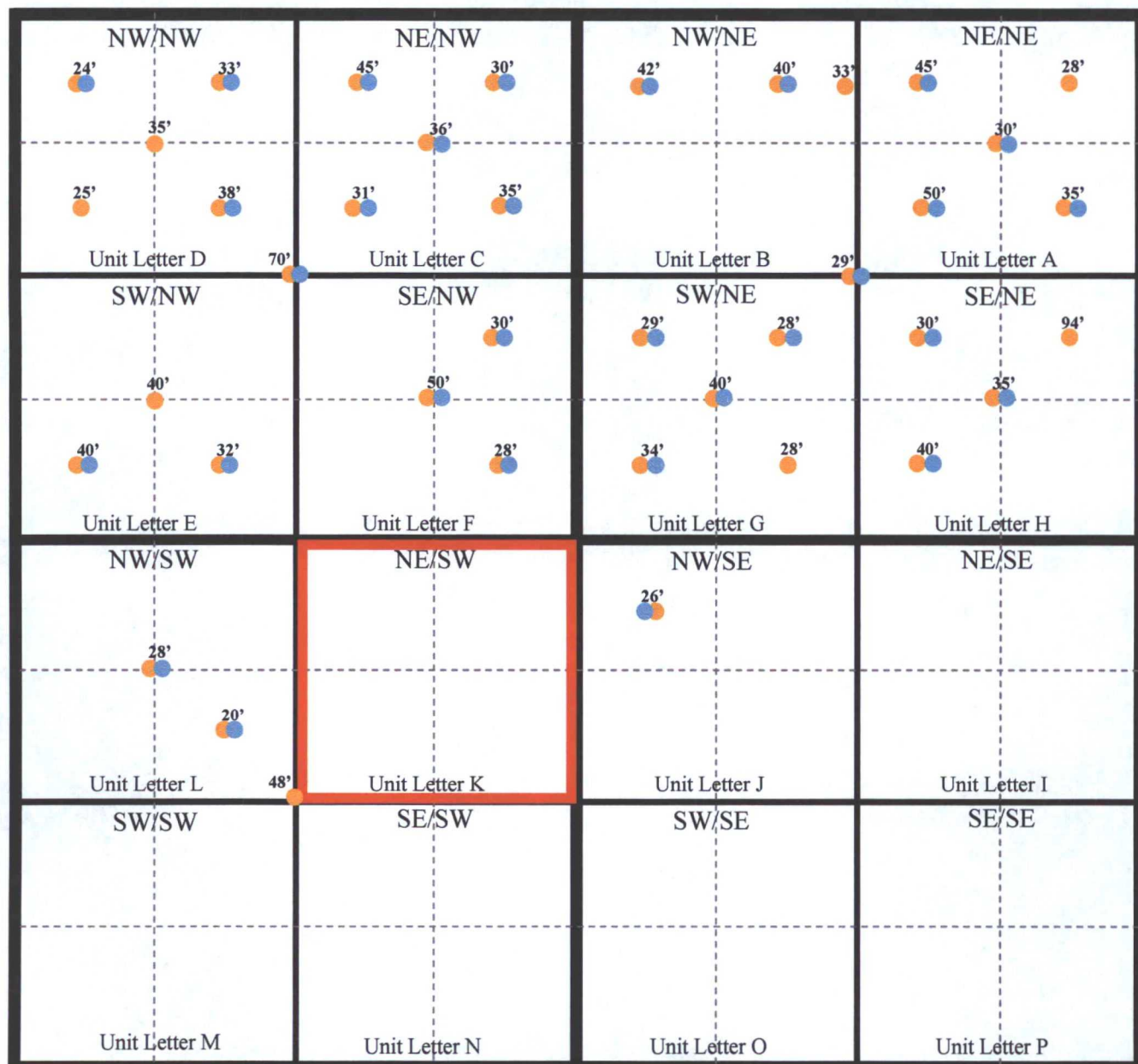
Township
19S

Range
38E

Trend Map <50'

1

2



3

4

 Location

● **OCD**



- SEO

- All Databases

Laboratory Analytical Results Summary
SHU #177

Analyte	Method	Sample	
		SP1 @ 1'	SP1 @ 2'
		Date	2/10/14
		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	224	80
GRO	TPH 8015M	<10.0	<10.0
DRO	TPH 8015M	<10.0	<10.0

Analyte	Method	Sample	
		SP2 @ 1'	SP2 @ 2'
		Date	2/10/14
		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	288	128
GRO	TPH 8015M	<10.0	<10.0
DRO	TPH 8015M	<10.0	<10.0

Analyte	Method	Sample		SP3 @ 3'	
		SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	2/10/14
		Date	2/10/14	2/10/14	mg/Kg
		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B	192	160	64	64
GRO	TPH 8015M	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M	<10.0	<10.0	<10.0	<10.0

February 14, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #177

Enclosed are the results of analyses for samples received by the laboratory on 02/10/14 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	02/10/2014	Sampling Date:	02/10/2014
Reported:	02/14/2014	Sampling Type:	Soil
Project Name:	SHU #177	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NEW MEXICO		

Sample ID: SP 1 @ 1 (H400410-01)

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	02/13/2014	ND	2.11	106	2.00	4.06	
Toluene*	<0.050	0.050	02/13/2014	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.09	105	2.00	2.69	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.07	101	6.00	1.95	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/14/2014	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	02/12/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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: 02/10/2014
Reported: 02/14/2014
Project Name: SHU #177
Project Number: NONE GIVEN
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2 (H400410-02)

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	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2014	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	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 80.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.3 % 63.6-154

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:	02/10/2014	Sampling Date:	02/10/2014
Reported:	02/14/2014	Sampling Type:	Soil
Project Name:	SHU #177	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NEW MEXICO		

Sample ID: SP 2 @ 1 (H400410-03)

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	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/14/2014	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	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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: 02/10/2014
Reported: 02/14/2014
Project Name: SHU #177
Project Number: NONE GIVEN
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2 (H400410-04)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.4 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2014	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	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 98.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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: 02/10/2014
Reported: 02/14/2014
Project Name: SHU #177
Project Number: NONE GIVEN
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1 (H400410-05)

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	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 93.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/14/2014	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	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.1 % 63.6-154

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: 02/10/2014
Reported: 02/14/2014
Project Name: SHU #177
Project Number: NONE GIVEN
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 (H400410-06)

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	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2014	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	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.9 % 63.6-154

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:	02/10/2014	Sampling Date:	02/10/2014
Reported:	02/14/2014	Sampling Type:	Soil
Project Name:	SHU #177	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS, NEW MEXICO		

Sample ID: SP 3 @ 3 (H400410-07)

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	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2014	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	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 75.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 72.0 % 63.6-154

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

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

