

# Closure Report

## Site Description

Site Name:	Cypress 34 Federal #6H
Company:	Oxy Permian Ltd.
Legal Description:	U/L M, Section 34, T23S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.25503° W 103.97884°

## Release Data

Date of Release:	07/15/2013
Type of Release:	Produced water
Source of Release:	Over pressure on flow line
Volume of Release:	10 bbls
Volume Recovered:	0 bbls

## Remediation Specifications

Remediation Parameters:	Excavate the areas around SP1, SP4, and SP5 to a depth of 2 feet. Surface scrape the areas around SP2 and SP3. Obtain confirmation bottom samples. Backfill the excavated areas with clean soil.	
Remediation Activities:	07/17/2014 to 08/11/2014	
Plan Sent to OCD:	01/02/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/09/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	01/28/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	01/29/2014	Email from J. Van Curen to Cliff Brunson

## Supporting Documentation

Initial C-141	Signed 08/06/2013
Final C-141	Signed 08/21/2014
Site Diagram	July 2013
Groundwater Plot	50'-75'
TOPO Maps	July 2013
Lab Summary	07/25/2013, 08/26/2013, and 07/23/2014
Lab Analysis	07/25/2013, 08/26/2013, and 07/23/2014
Correspondence	Request and approval of remediation plan via email

## Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

08/29/2014

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

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Cypress 34 Federal #6H	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-38366

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	34	23S	29E	400	South	400	West	Eddy

Latitude N 32.25503° Longitude W 103.97884°

**NATURE OF RELEASE**

Type of Release	Produced Water	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	Over pressure on flow line	Date and Hour of Occurrence	07/15/2013	Date and Hour of Discovery	07/15/2013
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	07/16/2013 @ 11:15 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Over pressure on a flow line caused 10 bbls of water to leak onto the ground. No fluids were recovered.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 275' x 50'. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8-6-13	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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State of New Mexico  
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1220 South St. Francis Dr.  
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Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Cypress 34 Federal #6H	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-38366

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	34	23S	29E	400	South	400	West	Eddy

Latitude N 32.25503° Longitude W 103.97884°

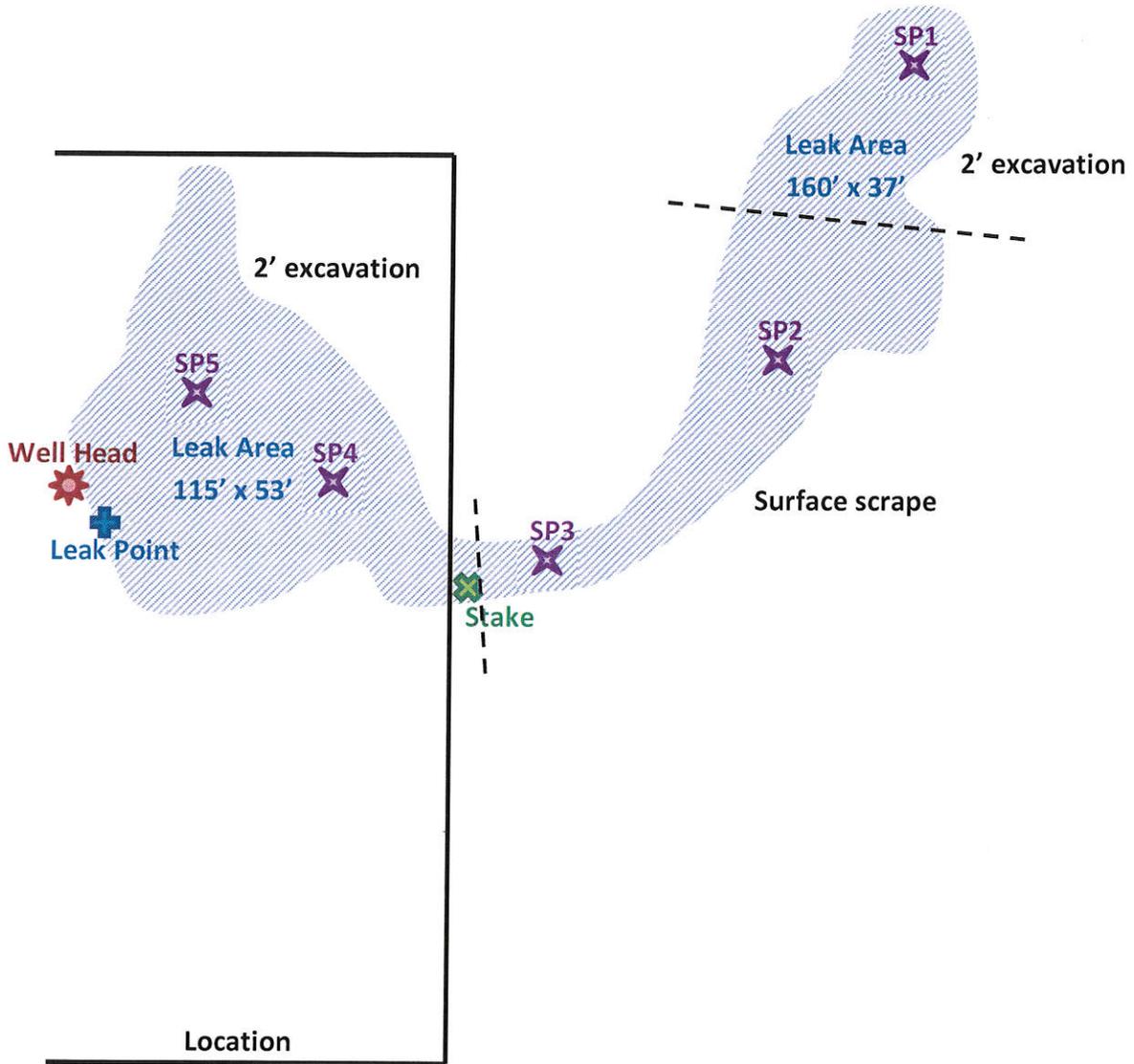
**NATURE OF RELEASE**

Type of Release	Produced Water	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	Over pressure on flow line	Date and Hour of Occurrence	07/15/2013	Date and Hour of Discovery	07/15/2013
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	07/16/2013 @ 11:15 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
Over pressure on a flow line caused 10 bbls of water to leak onto the ground. No fluids were recovered.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 275' x 50'. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 01/09/2014 and approved by Jennifer Van Curen of the BLM via email on 01/29/2014.					
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: Chancey Summers		Approved by Environmental Specialist:			
Title: HES Advisor		Approval Date:		Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com		Conditions of Approval:			Attached <input type="checkbox"/>
Date: 8-21-14		Phone: (575) 397-8216			

\* Attach Additional Sheets If Necessary



Oxy  
Cypress 34 Federal #6H



U/L M, Section 34, T23S, R29E  
400' FSL and 400' FWL  
Eddy County, NM  
N 32.25503° W 103.97884°  
API# 30-015-38366

BBC International, Inc.	
Oxy Cypress 34 Federal #6H	
Date: 07/26/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013

# Groundwater Plot

## Oxy Cypress 34 Federal #6H

County  
Eddy

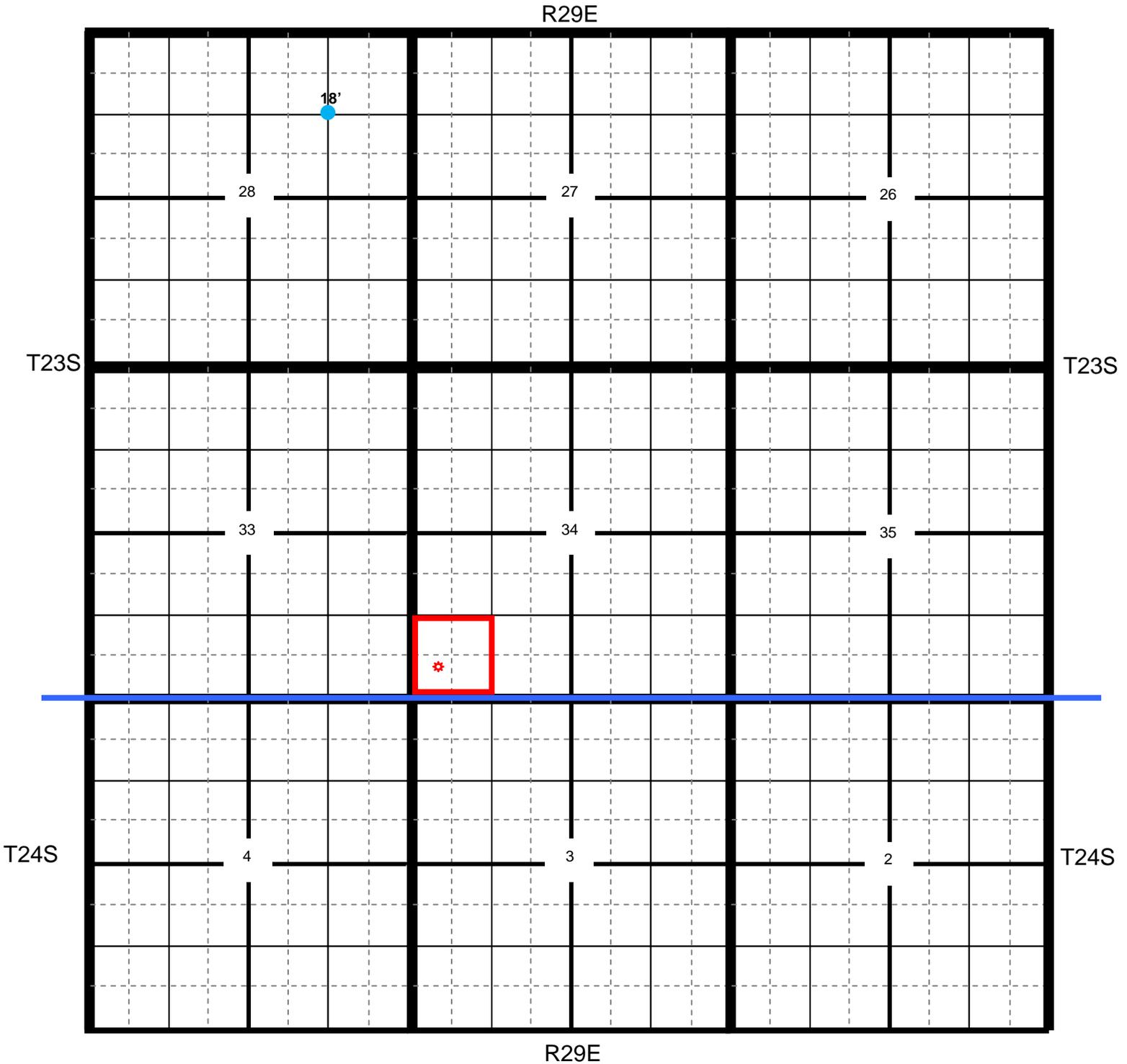
Unit Letter  
M

Section  
34

Township  
23S

Range  
29E

Trend Map 50'-75'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Cypress 34 Federal #6H

County Eddy      Unit Letter M      Section 34      Township 23S      Range 29E

Trend Map 50'-75'

1

2

NW/NW <b>None found</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW 	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

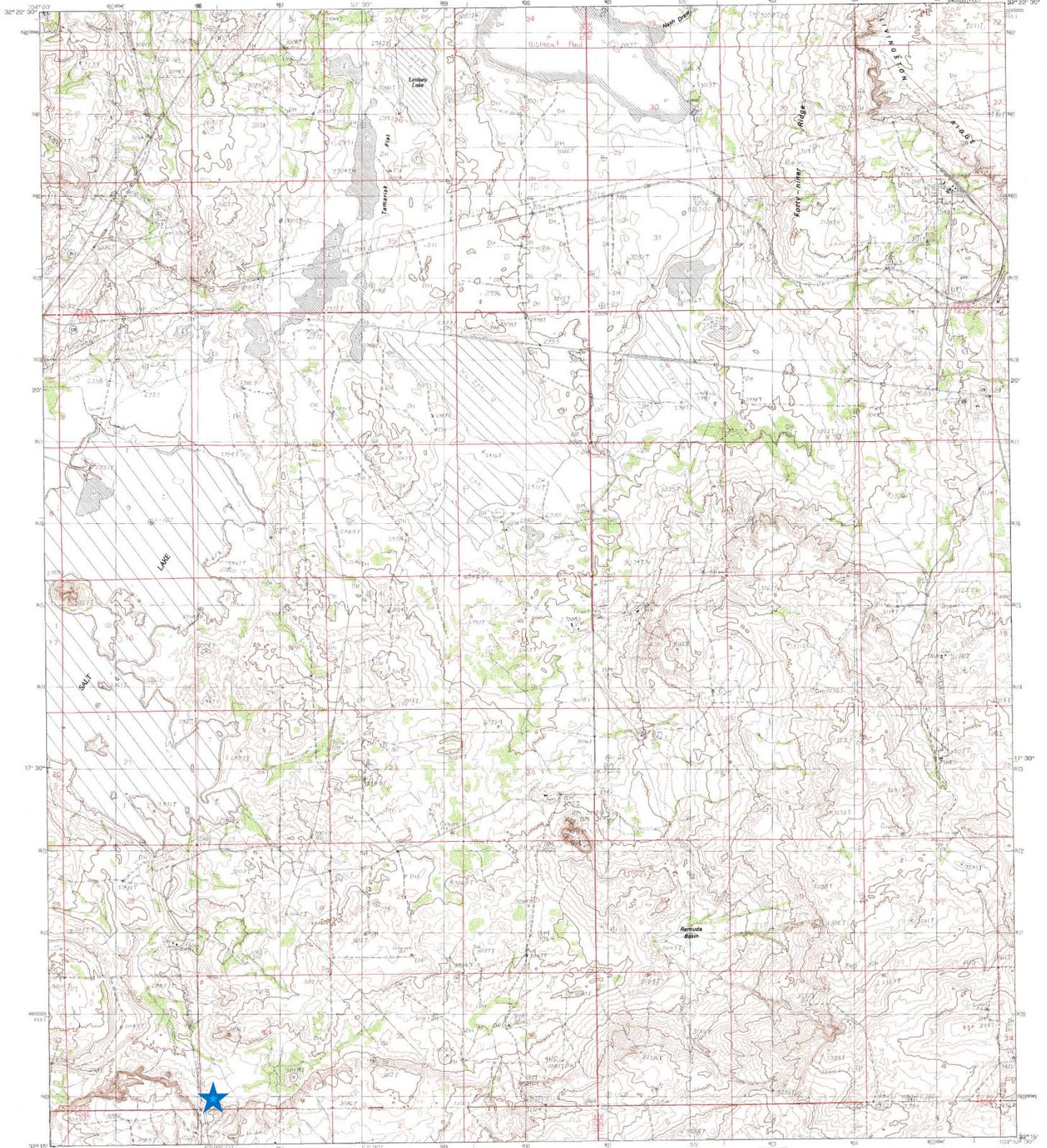
4

# Oxy

## Cypress 34 Federal #6H

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

REMUDA BASIN QUADRANGLE  
NEW MEXICO-EDDY CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTER BY: ..... U.S. GEOLOGICAL SURVEY  
FIELD CHECKED BY: ..... U.S. GEOLOGICAL SURVEY  
MAP DESIGNER: ..... U.S. GEOLOGICAL SURVEY  
PROJECTION: ..... U.S. GEOLOGICAL SURVEY  
GRID: ..... U.S. GEOLOGICAL SURVEY  
UTM GRID DECLINATION: ..... U.S. GEOLOGICAL SURVEY  
VERTICAL DATUM: ..... NATIONAL GEODESIC VERTICAL DATUM OF THE  
INTERNATIONAL DATUM ..... 1985 NORTH AMERICAN DATUM  
To place on the projected North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(5 meters north and 46 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map.  
All marginal data and lettering generated and positioned by  
automated type placement procedures.

PROVISIONAL MAP  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check. 3



ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail
- Interstate Route
- U.S. Route
- State Route

QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	9

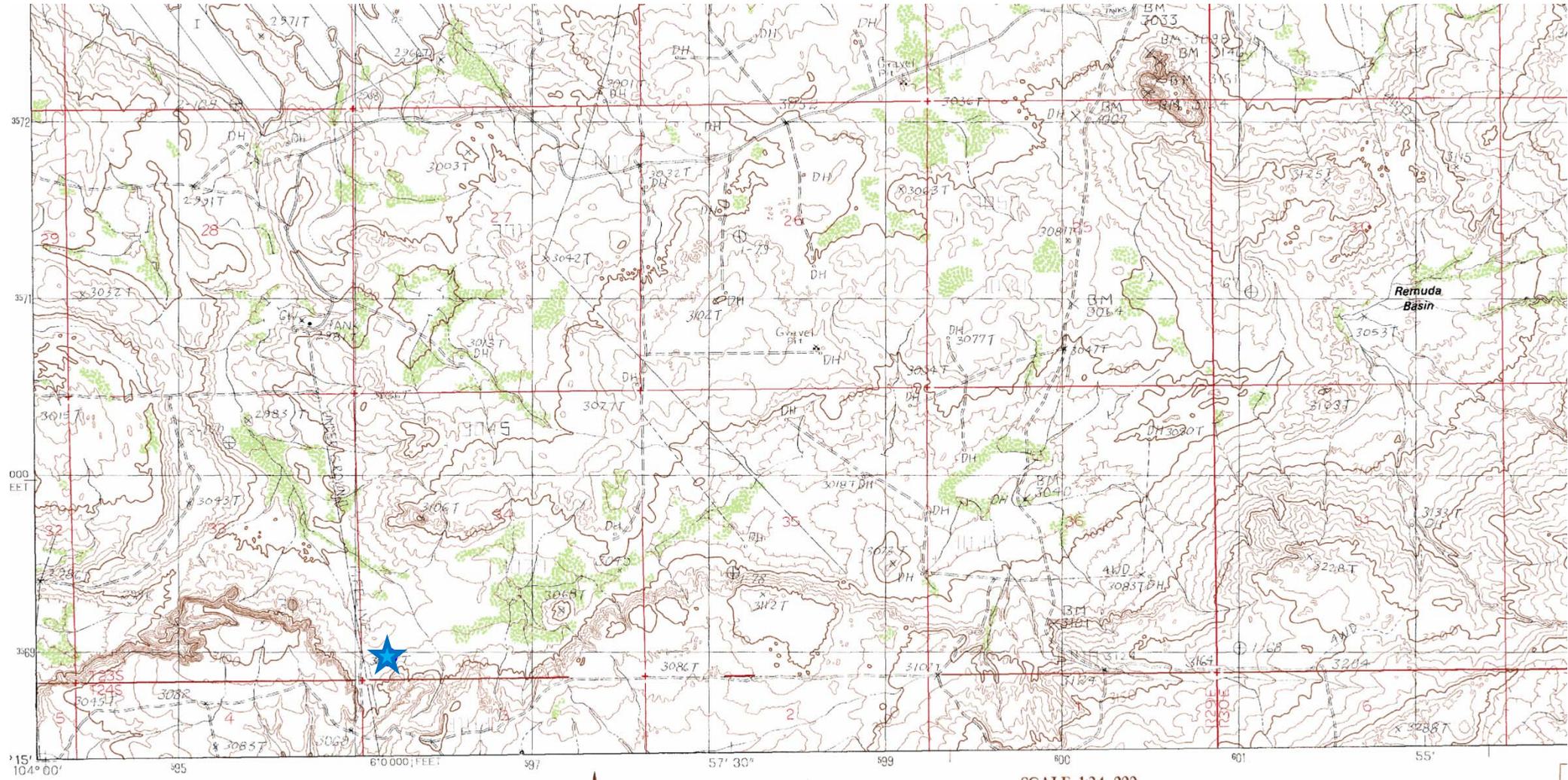
ADJOINING 7.5 QUADRANGLE NAMES

REMUDA BASIN, NFW MEXICO  
PROVISIONAL EDITION 1985  
310568-TT-024

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

# Oxy

## Cypress 34 Federal #6H



**Laboratory Analytical Results Summary**  
**Cypress 34 Federal #6H**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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		<b>0.157</b>	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<b>4240</b>	<b>1880</b>	<16.0	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0	<10.0
DRO	TPH 8015M		<b>14800</b>	<b>18900</b>	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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	SM4500CI-B		<b>9330</b>	<b>3360</b>	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<b>373</b>	<b>34.3</b>	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	7/25/13	7/25/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<b>0.076</b>
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		<b>32</b>	<b>32</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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	SM4500CI-B		<b>10100</b>	<b>2720</b>	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<b>299</b>	<b>29.5</b>	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	7/25/13	7/25/13
			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	SM4500CI-B		<16.0	<b>16</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<b>16.2</b>	<10.0

**Laboratory Analytical Results Summary  
Cypress 34 Federal #6H**

		Sample	Bottom 1	Bottom 2
Analyte	Method	Date	7/23/14	7/23/14
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>32</b>	<b>32</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0



August 07, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FED 6H

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 16:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in cursive script 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:	07/30/2013	Sampling Date:	07/25/2013
Reported:	08/07/2013	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H301801-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70		
<b>Total Xylenes*</b>	<b>0.157</b>	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 138 % 65.7-141

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>4240</b>	16.0	08/01/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	08/02/2013	ND	178	89.1	200	1.03			
<b>DRO &gt;C10-C28</b>	<b>14800</b>	50.0	08/02/2013	ND	186	92.8	200	2.16			

Surrogate: 1-Chlorooctane 89.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 689 % 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: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H301801-02)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78	
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21	
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70	
Total Xylenes*	<0.150	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13	
Total BTEX	<0.300	0.300	08/07/2013	ND					

Surrogate: Dibromofluoromethane 97.2 % 61.3-142

Surrogate: Toluene-d8 98.5 % 71.3-129

Surrogate: 4-Bromofluorobenzene 134 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1880</b>	16.0	08/01/2013	ND	416	104	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						<b>S-06</b>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>18900</b>	50.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 89.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 925 % 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: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H301801-03)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.8 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

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>32.0</b>	16.0	08/01/2013	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	08/02/2013	ND	178	89.1	200	1.03		
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 90.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H301801-04)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78	
<b>Toluene*</b>	<b>0.076</b>	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21	
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70	
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13	
Total BTEX	<0.300	0.300	08/07/2013	ND					

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	08/01/2013	ND	432	108	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03	
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16	

Surrogate: 1-Chlorooctane 80.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H301801-05)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78	
Toluene*	<0.050	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21	
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70	
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13	
Total BTEX	<0.300	0.300	08/07/2013	ND					

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 97.9 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/01/2013	ND	432	108	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03	
<b>DRO &gt;C10-C28</b>	<b>16.2</b>	10.0	08/02/2013	ND	186	92.8	200	2.16	

Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H301801-06)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 99.8 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

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>16.0</b>	16.0	08/01/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H301801-07)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 99.2 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>9330</b>	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>373</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 2' (H301801-08)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

*Surrogate: Dibromofluoromethane* 98.3 % 61.3-142

*Surrogate: Toluene-d8* 99.9 % 71.3-129

*Surrogate: 4-Bromofluorobenzene* 102 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3360</b>	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>34.3</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

*Surrogate: 1-Chlorooctane* 84.2 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 110 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 1' (H301801-09)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

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>10100</b>	16.0	08/01/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>299</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 2' (H301801-10)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 100 % 61.3-142  
 Surrogate: Toluene-d8 98.7 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2720</b>	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>29.5</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 92.0 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **BBC International, Inc.**  
Project Manager: **Cliff Brunson**  
Address: **P. O. Box 805**  
City: **Hobbs** State: **NM** Zip: **88241**  
Phone #: **575-397-6388** Fax #: **575-397-0397**  
Project #: \_\_\_\_\_ Project Owner: **OKJ**

Project Name: **CYPRESS 34 FEB 04** City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Sample Name: **Boque Hernandez** P.O. #: \_\_\_\_\_  
FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_ Sample I.D. \_\_\_\_\_  
1 **H21801** **SPI @ 1'** **G** (G)RAB OR (C)OMP. **1** # CONTAINERS  
2 **SPI @ 1'** **G** **1** GROUNDWATER  
3 **SP2 @ 1'** **G** **1** WASTEWATER  
4 **SP2 @ 2'** **G** **1** SOIL  
5 **SP3 @ 1'** **G** **1** OIL  
6 **SP3 @ 2'** **G** **1** SLUDGE  
7 **SP4 @ 1'** **G** **1** OTHER:  
8 **SP4 @ 2'** **G** **1** ACID/BASE:  
9 **SP5 @ 1'** **G** **1** ICE / COOL  
10 **SP5 @ 2'** **G** **1** OTHER:  
11 **SP5 @ 2'** **G** **1** DATE DATE TIME

Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **10:25**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **10:55**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **11:40**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **12:50**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **14:00**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **20:00**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **25:00**  
Relinquished By: **Boque Hernandez** Date: **7-25-13** Time: **31:5**

Delivered By: (Circle One) **UPS** - Bus - Other: \_\_\_\_\_  
Sampler - UPS - Bus - Other: **-492** Sample Condition:  Intact  Cool  Yes  No

Received By: **Cliff Brunson** Date: **7-25-13** Time: **10:25**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **10:55**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **11:40**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **12:50**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **14:00**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **20:00**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **25:00**  
Received By: **Cliff Brunson** Date: **7-25-13** Time: **31:5**

REMARKS: **TPH**  
**BTEX**  
**CHLORIDE**

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

September 03, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FED 6H

Enclosed are the results of analyses for samples received by the laboratory on 08/27/13 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/27/2013	Sampling Date:	08/26/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY 128		

**Sample ID: SP 1 @ 3' (H302059-01)**

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0	
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88	
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59	
Total BTEX	<0.300	0.300	08/29/2013	ND					

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/30/2013	ND	210	105	200	4.91	
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	205	102	200	5.30	

Surrogate: 1-Chlorooctane 97.9 % 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: 08/27/2013  
 Reported: 09/03/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: HWY 128

 Sampling Date: 08/26/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H302059-02)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: CK</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0		
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59		
Total BTEX	<0.300	0.300	08/29/2013	ND						

*Surrogate: Dibromofluoromethane* 102 % 61.3-142

*Surrogate: Toluene-d8* 102 % 71.3-129

*Surrogate: 4-Bromofluorobenzene* 105 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: AR/</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	210	105	200	4.91		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	205	102	200	5.30		

*Surrogate: 1-Chlorooctane* 99.1 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 98.6 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/27/2013  
 Reported: 09/03/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: HWY 128

 Sampling Date: 08/26/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3' (H302059-03)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 4 @ 4' (H302059-04)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 5 @ 3' (H302059-05)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 5 @ 4' (H302059-06)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	3.92	

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

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



---

Celey D. Keene, Lab Director/Quality Manager





July 25, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FED 6H

Enclosed are the results of analyses for samples received by the laboratory on 07/24/14 8:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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:	07/24/2014	Sampling Date:	07/23/2014
Reported:	07/25/2014	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY 128		

**Sample ID: BOTTOM #1 (H402266-01)**

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	07/25/2014	ND	2.20	110	2.00	1.98	
Toluene*	<0.050	0.050	07/25/2014	ND	2.23	111	2.00	2.89	
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	2.27	113	2.00	3.00	
Total Xylenes*	<0.150	0.150	07/25/2014	ND	6.86	114	6.00	3.25	
Total BTEX	<0.300	0.300	07/25/2014	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 116 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	07/24/2014	ND	400	100	400	7.69	

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	07/25/2014	ND	176	88.2	200	2.52	
DRO >C10-C28	<10.0	10.0	07/25/2014	ND	194	97.0	200	3.54	

*Surrogate: 1-Chlorooctane 122 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 135 % 63.6-154*

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	07/24/2014	Sampling Date:	07/23/2014
Reported:	07/25/2014	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY 128		

**Sample ID: BOTTOM #2 (H402266-02)**

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	07/25/2014	ND	2.20	110	2.00	1.98	
Toluene*	<0.050	0.050	07/25/2014	ND	2.23	111	2.00	2.89	
Ethylbenzene*	<0.050	0.050	07/25/2014	ND	2.27	113	2.00	3.00	
Total Xylenes*	<0.150	0.150	07/25/2014	ND	6.86	114	6.00	3.25	
Total BTEX	<0.300	0.300	07/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/24/2014	ND	400	100	400	7.69	

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	07/25/2014	ND	176	88.2	200	2.52	
DRO >C10-C28	<10.0	10.0	07/25/2014	ND	194	97.0	200	3.54	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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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



---

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**

1 of 1

**ANALYSIS REQUEST**

**BILL TO**

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

Project Manager: **Cliff Brunson**

Address: **P.O. Box 805**

City: **Hobbs**

Phone #: **575-397-6388**

Project #: \_\_\_\_\_

Project Name: **CYPRESS 34 W H**

Project Location: **Rushdie Rd**

Sampler Name: **ROGER HERNANDEZ**

FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_

Sample I.D. \_\_\_\_\_

**HU022000**

**2**

**Bottom #1**

**Bottom #2**

**1**

**1**

**1**

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

Company: **OKW**

Attn: \_\_\_\_\_

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

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

State: \_\_\_\_\_

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

Project Owner: **OKW**

State: \_\_\_\_\_

Zip: \_\_\_\_\_

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

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Location: \_\_\_\_\_

Sampler Name: \_\_\_\_\_

FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_

Sample I.D. \_\_\_\_\_

**HU022000**

**2**

**Bottom #1**

**Bottom #2**

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**1**

TPH

BTEX

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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 90 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: **Fogel Armando** Date: **7-24-14** Time: **8:20**

Received By: **Roger Hernandez**

Delivered By: (Circle One) **5.0%**  Cool  Intact  Yes  No

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

Checked By: **[Signature]**

REMARKS: **RUSH!!**

Phone Result:  Yes  No  Add'l Phone #:

Fax Result:  Yes  No  Add'l Fax #:

## Kathy Purvis

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Thursday, January 09, 2014 3:36 PM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-Cypress 34 Federal #6H-Remediation Plan

Reference: OXY USA \* Cypress 34 Fed 006H \* 30-015-38366 \* M-34-23s-29e \* Eddy County, New Mexico  
NMOCD Reference number: 2RP-1798 \* Date of release: 7/15/13

Cliff,

Your proposal for remediation of the above reference produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. Federal sites will require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
O: 575-748-1283 X108  
C: 575-626-0857  
F: 575-748-9720

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]  
**Sent:** Thursday, January 02, 2014 12:40 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Cypress 34 Federal #6H-Remediation Plan

Mike,

This e-mail is to confirm our conversation on December 18, 2013 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate the three areas to varying depths as depicted on the attached site drawing. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President

BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
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Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
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Phone: (575) 397-6388  
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\*\*\*\*\*

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## **Kathy Purvis**

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**From:** Van Curen, Jennifer <jvancure@blm.gov>  
**Sent:** Wednesday, January 29, 2014 1:59 PM  
**To:** Cliff P. Brunson; mike.bratcher@state.nm.us  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** Re: FW: OXY-Cypress 34 Federal #6H-Remediation Plan

Cliff,

The plan is approved with the following mitigation and stips.

**JVC13065NU**

**SPILL DATE 7-15-13 -- REPORT DATE 8-6-13 -- SAMPLE DATE 7-30-13 -- PLAN RECEIVED 1-29-14**

### **Plan Implementation:**

1. Cleanup actions must be initiated within 30 days of plan approval.
2. Due to samples being older than 60 days for pad area and 30 days for pasture area, bottom confirmation samples will be required.

### **Pad Cleanup Stipulations:**

1. Pad should be bermed with compactable caliche to prevent future spills from leaving the pad and impacting reclaimed pasture areas.

BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations

JENNIFER E VAN CUREN  
ENVIRONMENTAL PROTECTION SPECIALIST  
DOI-BLM-CARLSBAD FIELD OFFICE  
320 E GREENE ST. CARLSBAD, NM 88220  
OFFICE- 575-234-5905

CELL - 575-361-0042  
FAX - 575-234-5927

On Tue, Jan 28, 2014 at 6:25 PM, Cliff P. Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)> wrote:  
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD as referenced by his e-mail below. Oxy will excavate the three areas to varying depths as depicted on the attached site drawing. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
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**From:** Mike Bratcher <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>  
**Date:** Thursday, January 9, 2014 3:35 PM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Cc:** C J Summers <[Chancey\\_Summers@oxy.com](mailto:Chancey_Summers@oxy.com)>, Ken Swinney <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>, Jennifer Gilkey <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>, Kathy Purvis <[kathy@bbcinternational.com](mailto:kathy@bbcinternational.com)>  
**Subject:** RE: OXY-Cypress 34 Federal #6H-Remediation Plan

Reference: OXY USA \* Cypress 34 Fed 006H \* 30-015-38366 \* M-34-23s-29e \* Eddy County, New Mexico

NMOCD Reference number: 2RP-1798 \* Date of release: 7/15/13

Cliff,

Your proposal for remediation of the above reference produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. Federal sites will require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

---

**From:** Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]

**Sent:** Thursday, January 02, 2014 12:40 PM

**To:** Bratcher, Mike, EMNRD

**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

**Subject:** OXY-Cypress 34 Federal #6H-Remediation Plan

Mike,

This e-mail is to confirm our conversation on December 18, 2013 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate the three areas to varying depths as depicted on the attached site drawing. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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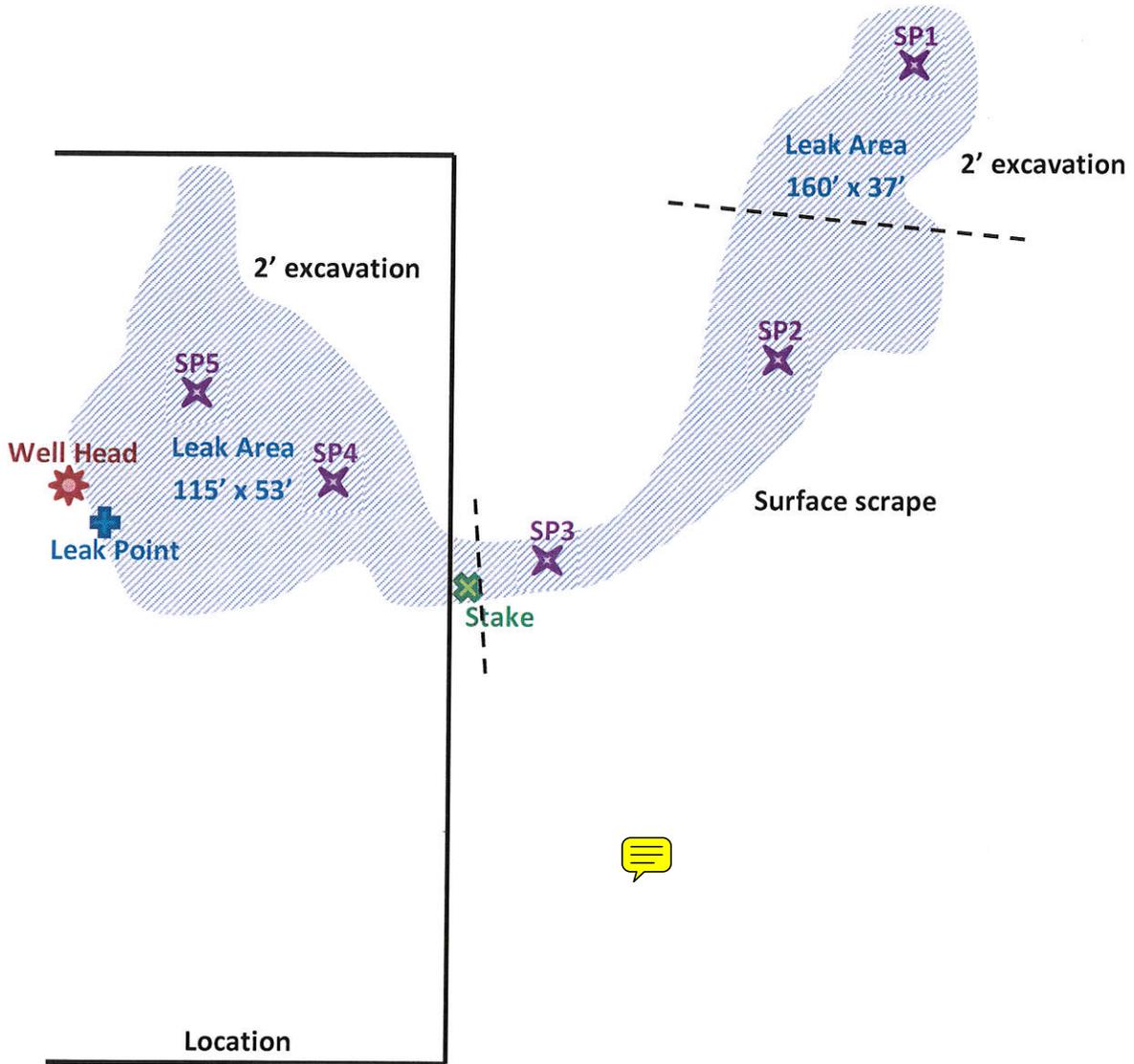
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Oxy  
Cypress 34 Federal #6H



U/L M, Section 34, T23S, R29E  
400' FSL and 400' FWL  
Eddy County, NM  
N 32.25503° W 103.97884°  
API# 30-015-38366

BBC International, Inc.	
Oxy Cypress 34 Federal #6H	
Date: 07/26/2013	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013

# Groundwater Plot

## Oxy Cypress 34 Federal #6H

County  
Eddy

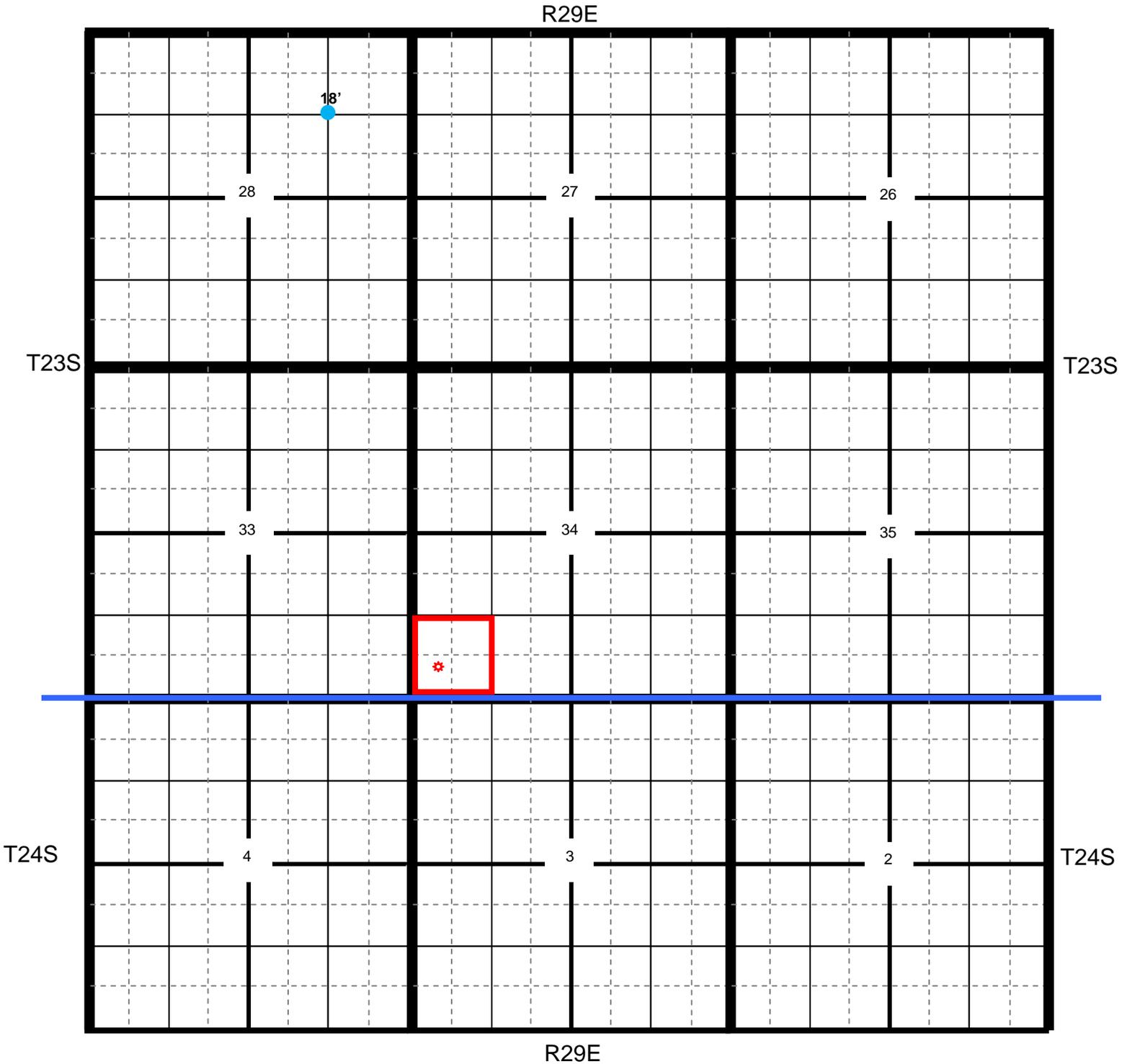
Unit Letter  
M

Section  
34

Township  
23S

Range  
29E

Trend Map 50'-75'



🌟 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Cypress 34 Federal #6H

County Eddy      Unit Letter M      Section 34      Township 23S      Range 29E

Trend Map 50'-75'

1

2

NW/NW <b>None found</b>	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW 	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

**Laboratory Analytical Results Summary**  
**Cypress 34 Federal #6H**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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		<b>0.157</b>	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<b>4240</b>	<b>1880</b>	<16.0	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0	<10.0
DRO	TPH 8015M		<b>14800</b>	<b>18900</b>	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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	SM4500CI-B		<b>9330</b>	<b>3360</b>	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<b>373</b>	<b>34.3</b>	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	7/25/13	7/25/13
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<b>0.076</b>
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		<b>32</b>	<b>32</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	7/25/13	7/25/13	8/26/13	8/26/13
			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	SM4500CI-B		<b>10100</b>	<b>2720</b>	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<b>299</b>	<b>29.5</b>	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	7/25/13	7/25/13
			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	SM4500CI-B		<16.0	<b>16</b>
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<b>16.2</b>	<10.0



August 07, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FED 6H

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 16:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in cursive script 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:	07/30/2013	Sampling Date:	07/25/2013
Reported:	08/07/2013	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H301801-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70		
<b>Total Xylenes*</b>	<b>0.157</b>	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 138 % 65.7-141

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>4240</b>	16.0	08/01/2013	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	08/02/2013	ND	178	89.1	200	1.03			
<b>DRO &gt;C10-C28</b>	<b>14800</b>	50.0	08/02/2013	ND	186	92.8	200	2.16			

Surrogate: 1-Chlorooctane 89.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 689 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2' (H301801-02)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.2 % 61.3-142

Surrogate: Toluene-d8 98.5 % 71.3-129

Surrogate: 4-Bromofluorobenzene 134 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1880</b>	16.0	08/01/2013	ND	416	104	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>							<b>S-06</b>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	08/02/2013	ND	178	89.1	200	1.03			
<b>DRO &gt;C10-C28</b>	<b>18900</b>	50.0	08/02/2013	ND	186	92.8	200	2.16			

Surrogate: 1-Chlorooctane 89.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 925 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H301801-03)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.8 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>32.0</b>	16.0	08/01/2013	ND	416	104	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 90.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2' (H301801-04)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78	
<b>Toluene*</b>	<b>0.076</b>	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21	
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70	
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13	
Total BTEX	<0.300	0.300	08/07/2013	ND					

Surrogate: Dibromofluoromethane 97.5 % 61.3-142  
 Surrogate: Toluene-d8 99.3 % 71.3-129  
 Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	08/01/2013	ND	432	108	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03	
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16	

Surrogate: 1-Chlorooctane 80.9 % 65.2-140  
 Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1' (H301801-05)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/06/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/06/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/06/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.5 % 61.3-142

Surrogate: Toluene-d8 97.9 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>16.2</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2' (H301801-06)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	1.91	95.4	2.00	5.78		
Toluene*	<0.050	0.050	08/07/2013	ND	1.77	88.4	2.00	6.21		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	1.75	87.3	2.00	5.70		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	5.21	86.9	6.00	5.13		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 99.8 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

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>16.0</b>	16.0	08/01/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
DRO >C10-C28	<10.0	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H301801-07)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 99.2 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

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>9330</b>	16.0	08/01/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>373</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 2' (H301801-08)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96	
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86	
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57	
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61	
Total BTEX	<0.300	0.300	08/07/2013	ND					

*Surrogate: Dibromofluoromethane* 98.3 % 61.3-142

*Surrogate: Toluene-d8* 99.9 % 71.3-129

*Surrogate: 4-Bromofluorobenzene* 102 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3360</b>	16.0	08/01/2013	ND	432	108	400	0.00	

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03	
<b>DRO &gt;C10-C28</b>	<b>34.3</b>	10.0	08/02/2013	ND	186	92.8	200	2.16	

*Surrogate: 1-Chlorooctane* 84.2 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 110 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 1' (H301801-09)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>10100</b>	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>299</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 89.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 07/30/2013  
 Reported: 08/07/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 2' (H301801-10)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/07/2013	ND	2.25	113	2.00	2.96		
Toluene*	<0.050	0.050	08/07/2013	ND	2.14	107	2.00	3.86		
Ethylbenzene*	<0.050	0.050	08/07/2013	ND	2.08	104	2.00	3.57		
Total Xylenes*	<0.150	0.150	08/07/2013	ND	6.19	103	6.00	3.61		
Total BTEX	<0.300	0.300	08/07/2013	ND						

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 98.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2720</b>	16.0	08/01/2013	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/02/2013	ND	178	89.1	200	1.03		
<b>DRO &gt;C10-C28</b>	<b>29.5</b>	10.0	08/02/2013	ND	186	92.8	200	2.16		

Surrogate: 1-Chlorooctane 92.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **BBC International, Inc.**  
Project Manager: **Cliff Brunson**  
Address: **P. O. Box 805**  
City: **Hobbs** State: **NM** Zip: **88241**  
Phone #: **575-397-6388** Fax #: **575-397-0397**  
Project #: \_\_\_\_\_ Project Owner: **OKJ**

Project Name: **CYPRESS 34 FEB 04** City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Sample Name: **Boque Hernandez** Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
FOR LAB USE ONLY

Lab I.D. \_\_\_\_\_ Sample I.D. \_\_\_\_\_  
1 **H21801**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CHLORIDE
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER							
1	SP1 @ 1'	G	1								7-15-13	1025				
2	SP2 @ 1'	G	1								7-15-13	1055				
3	SP2 @ 2'	G	1								7-15-13	1140				
4	SP3 @ 1'	G	1								7-15-13	1704				
5	SP3 @ 2'	G	1								7-15-13	1250				
6	SP4 @ 1'	G	1								7-15-13	111				
7	SP4 @ 2'	G	1								7-15-13	146				
8	SP5 @ 1'	G	1								7-15-13	200				
9	SP5 @ 2'	G	1								7-15-13	250				
10	SP5 @ 2'	G	1								7-15-13	315				

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Relinquished By: **Boque Hernandez** Date: **7-20-13** Received By: **Cliff Brunson** Date: **7-27-13**

Delivered By: (Circle One) **UPS** - **Bus** - Other: **-492** Sample Condition:  Intact  Cool  Yes  No

Checker By: **[Signature]**

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

REMARKS:

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

#54

September 03, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 34 FED 6H

Enclosed are the results of analyses for samples received by the laboratory on 08/27/13 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	08/27/2013	Sampling Date:	08/26/2013
Reported:	09/03/2013	Sampling Type:	Soil
Project Name:	CYPRESS 34 FED 6H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HWY 128		

**Sample ID: SP 1 @ 3' (H302059-01)**

BTEX 8260B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0		
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59		
Total BTEX	<0.300	0.300	08/29/2013	ND						

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 99.2 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	210	105	200	4.91		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	205	102	200	5.30		

Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/27/2013  
 Reported: 09/03/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: HWY 128

 Sampling Date: 08/26/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 4' (H302059-02)**

<b>BTEX 8260B</b>		<b>mg/kg</b>		<b>Analyzed By: CK</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2013	ND	2.22	111	2.00	13.0		
Toluene*	<0.050	0.050	08/29/2013	ND	2.11	105	2.00	9.88		
Ethylbenzene*	<0.050	0.050	08/29/2013	ND	2.05	102	2.00	10.5		
Total Xylenes*	<0.150	0.150	08/29/2013	ND	6.12	102	6.00	9.59		
Total BTEX	<0.300	0.300	08/29/2013	ND						

*Surrogate: Dibromofluoromethane* 102 % 61.3-142

*Surrogate: Toluene-d8* 102 % 71.3-129

*Surrogate: 4-Bromofluorobenzene* 105 % 65.7-141

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: AP</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2013	ND	400	100	400	7.69		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: AR/</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/30/2013	ND	210	105	200	4.91		
DRO >C10-C28	<10.0	10.0	08/30/2013	ND	205	102	200	5.30		

*Surrogate: 1-Chlorooctane* 99.1 % 65.2-140

*Surrogate: 1-Chlorooctadecane* 98.6 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/27/2013  
 Reported: 09/03/2013  
 Project Name: CYPRESS 34 FED 6H  
 Project Number: NONE GIVEN  
 Project Location: HWY 128

 Sampling Date: 08/26/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3' (H302059-03)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 4 @ 4' (H302059-04)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 5 @ 3' (H302059-05)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	7.69	

**Sample ID: SP 5 @ 4' (H302059-06)**

Chloride, SM4500Cl-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	08/30/2013	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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



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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

*10/1*

Company Name: BBC Int P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Reynolds Company: \_\_\_\_\_  
 Address: 1324 W. Marland City: \_\_\_\_\_  
 City: Hobbs State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: (575) 393-2326 Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: CYPRESS ST FEO BH State: \_\_\_\_\_  
 Project Location: Plot # 128 Phone #: \_\_\_\_\_  
 Sampler Name: Roger Hernandez Fax #: \_\_\_\_\_  
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:			
H302059												
1	SP1 @ 3'		1						8-26-13	1015		CHLORIDE
2	SP1 @ 4'		1						8-26-13	1030		TPH
3	SP4 @ 3'		1						8-26-13	1055		BTEX
4	SP4 @ 4'		1						8-26-13	1117		
5	SP5 @ 3'		1						8-26-13	1128		
6	SP5 @ 4'		1						8-26-13	1146		

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Relinquished By: Roger Hernandez Date: 8-27-13 Received By: Rodi Mendon  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Delivered By: (Circle One) UPS Sample Condition:  Cool  Intact  Yes  No  
 Sampler - UPS - Bus - Other: 5.79 CHECKED BY: [Signature]  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54

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

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Cypress 34 Federal #6H	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-38366

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	34	23S	29E	400	South	400	West	Eddy

Latitude N 32.25503° Longitude W 103.97884°

**NATURE OF RELEASE**

Type of Release	Produced Water	Volume of Release	10 bbls	Volume Recovered	0 bbls
Source of Release	Over pressure on flow line	Date and Hour of Occurrence	07/15/2013	Date and Hour of Discovery	07/15/2013
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	07/16/2013 @ 11:15 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Over pressure on a flow line caused 10 bbls of water to leak onto the ground. No fluids were recovered.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 275' x 50'. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 8-6-13	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary