

# Closure Report

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 12 2014

22P-2271

## Site Description

RECEIVED

Site Name:	Cypress 28 Federal #3H Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L D, Section 28, T23S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.28217° W 103.99788°

## Release Data

Date of Release:	04/14/2014
Type of Release:	Oil and produced water
Source of Release:	Internal corrosion on 2" steel transfer line
Volume of Release:	40 bbls oil and 20 bbls produced water
Volume Recovered:	50 bbls total

## Remediation Specifications

Remediation Parameters:	Excavate to a depth of 4 feet in the area of SP1, SP2, and SP3. The area around the round tank is lined and bermed and the impacted soil will be removed and replaced. Backfill all excavations with clean soil.	
Remediation Activities:	07/24/2014 to 08/05/2014	
Plan Sent to OCD:	06/26/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	06/30/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	06/26/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	06/30/2014	Verbal approval from J. Van Curen in Mtg

## Supporting Documentation

Initial C-141	Signed 04/15/2014
Final C-141	Signed 08/07/2014
Site Diagram	April 2014
Groundwater Plot	50'
TOPO Maps	April 2014
Lab Summary	05/14/2014 to 05/15/2014
Lab Analysis	05/14/2014 to 05/15/2014
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.

08/08/2014

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cypress 28 Federal #3H Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		API No. 30-015-38287 (nearest well)	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	28	23S	29E					Eddy

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	40 bbls oil, 20 bbls produced water	Volume Recovered	50 bbls
Source of Release	Internal corrosion on 2" steel transfer line off the back of skim tank	Date and Hour of Occurrence	04/14/14	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:39 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
Internal corrosion on a 2" steel transfer line off the back of the skim tank caused 40 bbls of oil and 20 bbls of produced water to leak onto the ground. A vacuum truck recovered 50 bbls of fluids and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*  
The affected area is approximately 30'x 30' on location. Remediation will be performed in accordance with a plan approved by NMOCD and BLM.

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

Signature:		<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Chancey Summers	Approved by District Supervisor:	
Title:	HES Specialist	Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com	Conditions of Approval:	
Date:	4-15-14	Phone:	(575) 397-8216
			Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**  Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cypress 28 Federal #3H Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	API No. 30-015-38287 (nearest well)

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	28	23S	29E					Eddy

Latitude N 32.28217° Longitude W 103.99788°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	40 bbls oil, 20 bbls produced water	Volume Recovered	50 bbls
Source of Release	Internal corrosion on 2" steel transfer line off the back of skim tank	Date and Hour of Occurrence	04/14/14	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:39 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse			

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

AUG 12 2014

RECEIVED

If a Watercourse was Impacted, Describe Fully.\*

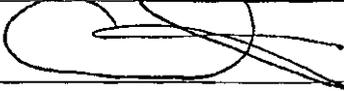
Describe Cause of Problem and Remedial Action Taken.\*

Internal corrosion on a 2" steel transfer line off the back of the skim tank caused 40 bbls of oil and 20 bbls of produced water to leak onto the ground. A vacuum truck recovered 50 bbls of fluids and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 30'x 30' on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 06/30/2014 and approved by Jennifer Van Curen of the BLM.

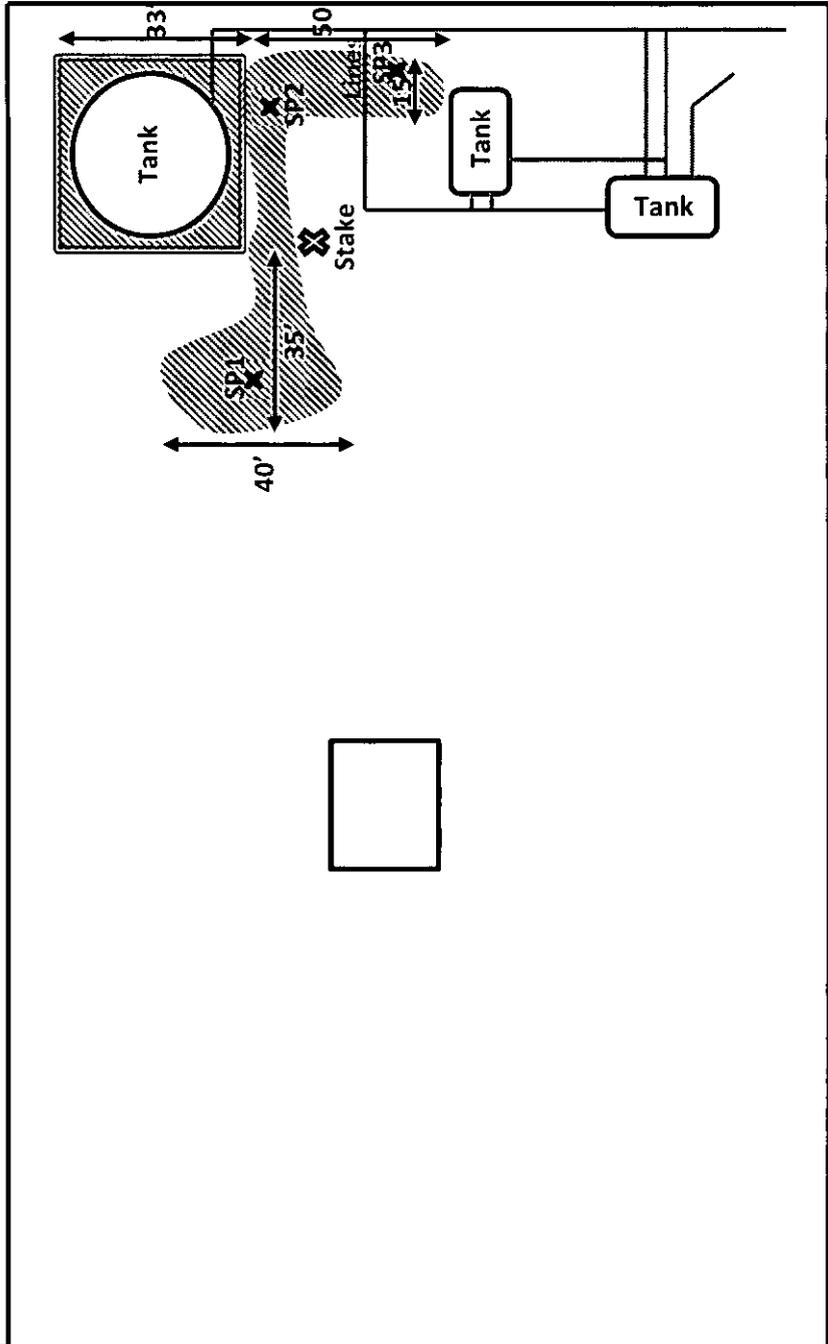
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature:				<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Chancey Summers			Approved by District Supervisor:	
Title:	HES Specialist			Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com			Conditions of Approval:	Attached <input type="checkbox"/>
Date:	8-7-14			Phone:	(575) 397-8216

\* Attach Additional Sheets If Necessary



Oxy  
Cypress 28 Federal #3H Battery



U/L D, Section 28, T23S, R29E  
Eddy County, NM  
N 32.28217° W 103.99788°

BBC International, Inc.	
Oxy	
Cypress 28 Federal #3H Battery	
Date: 04/22/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	

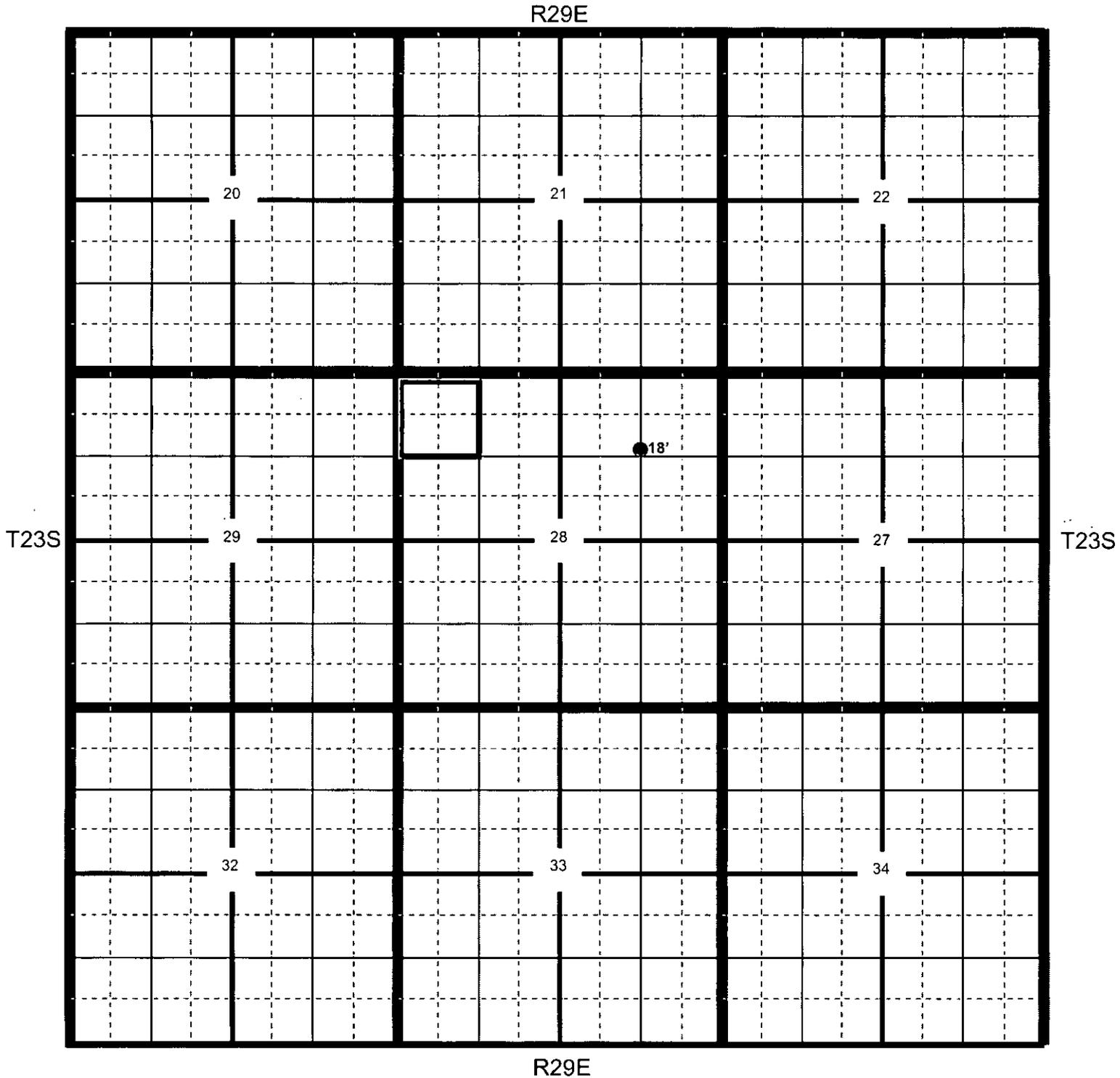


# Groundwater Plot

## Oxy Cypress 28 Federal #3H

County: Eddy      Unit Letter: D      Section: 28      Township: 23S      Range: 29E

Trend Map      50'



⊛ Location      ○ OCD      ● USGS      ● SEO      ● All Databases



Section Quarters

Oxy Cypress 28 Federal #3H

County  
Eddy

Unit Letter  
D

Section  
28

Township  
T23S

Range  
R29E

Trend Map 50'

1

2

NW/NW Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

18'

3

4

⊛ Location

⊙ OCD

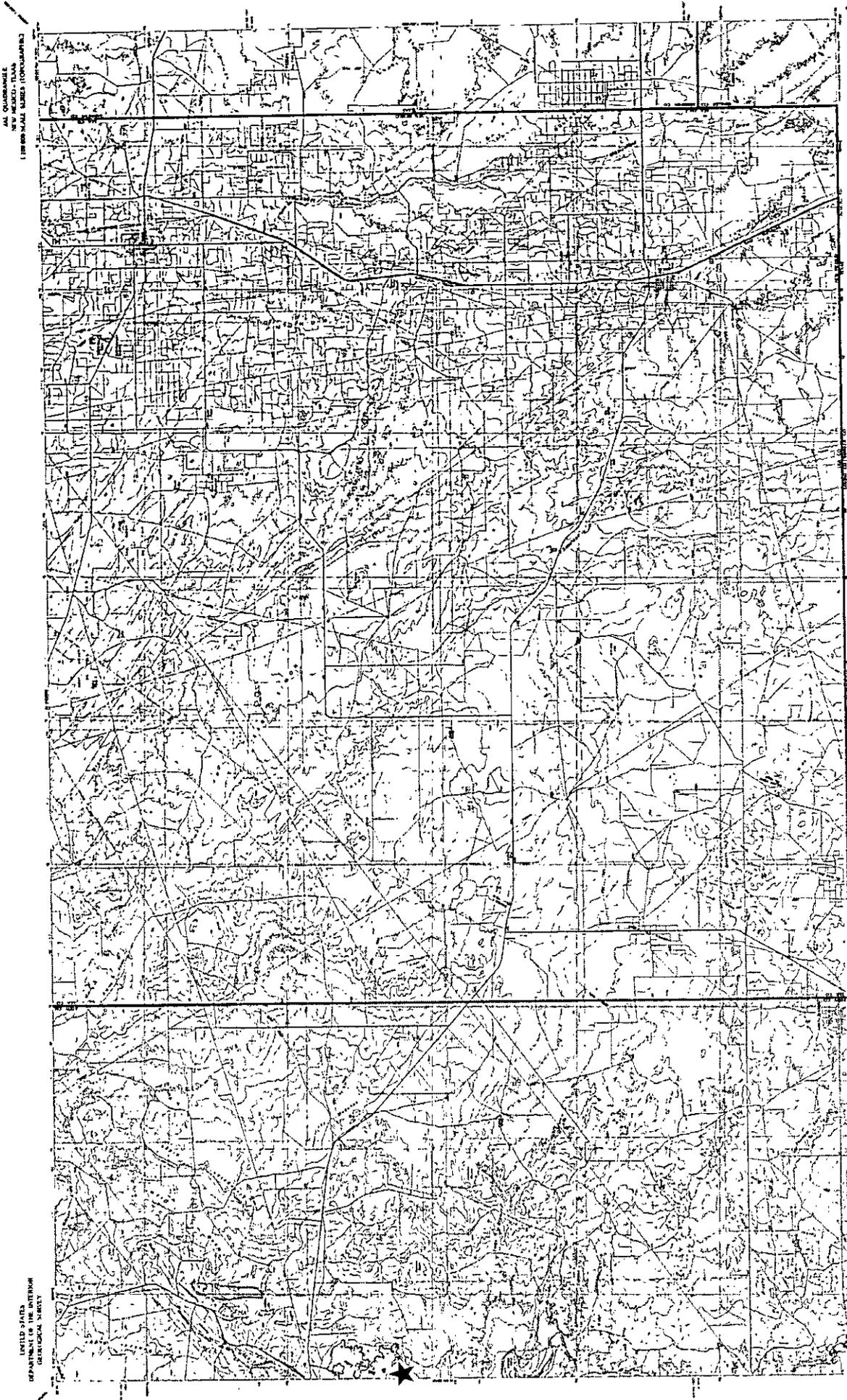
● USGS

● SEO

● All Databases

Oxy

# Cypress 28 Federal #3H



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Legend  
Roads  
Contours  
Spot Elevation  
Water Features  
Setbacks  
Property Lines  
Other

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

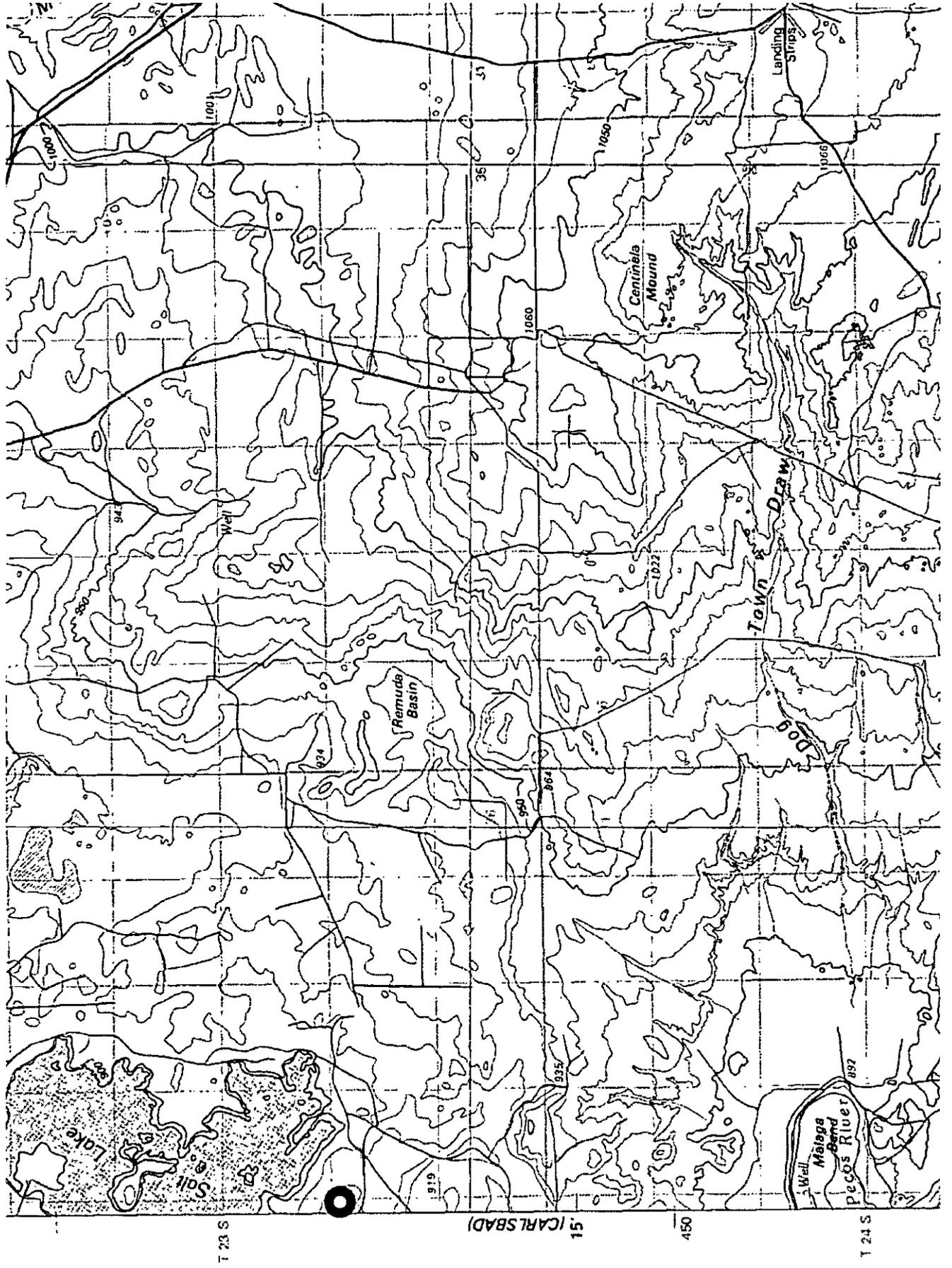
Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Scale 1:50,000  
Vertical Exaggeration 10x  
Horizontal Exaggeration 1x  
Projection UTM  
Datum NAD 83  
Zone 18N  
Units Meters  
Contour Interval 10 Feet  
Spot Elevation Interval 5 Feet  
Spot Elevation Accuracy ± 1 Foot  
Map Accuracy ± 1 Foot  
Map Date 1988  
Map Revision 1988

Oxy

Cypress 28 Federal #3H



Laboratory Analytical Results Summary  
Cypress 28 Federal #3H

Analyte	Method	Sample		SP1 @ 1'		SP1 @ 2'		SP1 @ 3'		SP1 @ 4'		SP1 @ 5'	
		Date		5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg
Benzene	BTEX 8021B				0.584	<0.050	<0.200	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				12.2	7.35	1.33	4.1	0.05	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B				15.8	15.2	4.1	0.05	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B				64.8	64.8	16.7	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B				93.4	84.5	22.2	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500C1-B				528	208	144	80	80	80	80	80	80
GRO	TPH 8015M				1850	1940	624	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M				12900	12000	6060	16.9	16.9	16.9	16.9	16.9	16.9

Analyte	Method	Sample		SP2 @ 1'		SP2 @ 2'		SP2 @ 3'		SP2 @ 4'		SP2 @ 5'	
		Date		5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg	5/14/14	mg/Kg
Benzene	BTEX 8021B				1.1	1.11	0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				16.8	17	1.22	0.092	0.08	0.08	0.08	0.08	0.08
Ethylbenzene	BTEX 8021B				17.9	20.8	2.83	0.279	0.115	0.115	0.115	0.115	0.115
Total Xylenes	BTEX 8021B				77.5	77.6	9.49	0.864	0.616	0.616	0.616	0.616	0.616
Total BTEX	BTEX 8021B				113	116	13.6	1.24	0.81	0.81	0.81	0.81	0.81
Chloride	SM4500C1-B				960	320	272	448	96	96	96	96	96
GRO	TPH 8015M				1550	1740	308	35	10	10	10	10	10
DRO	TPH 8015M				8620	8590	4110	1440	23.3	23.3	23.3	23.3	23.3

Analyte	Method	Sample		SP3 @ 1'		SP3 @ 2'		SP3 @ 3'		SP3 @ 4'		SP3 @ 5'	
		Date		5/15/14	mg/Kg	5/15/14	mg/Kg	5/15/14	mg/Kg	5/15/14	mg/Kg	5/15/14	mg/Kg
Benzene	BTEX 8021B				1.57	2.15	<1.00	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B				46.8	48.6	26.3	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B				62.5	54.5	32.8	0.071	0.648	0.648	0.648	0.648	0.648
Total Xylenes	BTEX 8021B				301	261	153	0.274	3.98	3.98	3.98	3.98	3.98
Total BTEX	BTEX 8021B				412	367	212	0.345	5.3	5.3	5.3	5.3	5.3
Chloride	SM4500C1-B				192	192	64	32	80	80	80	80	80
GRO	TPH 8015M				10000	8750	4520	<10.0	40.1	40.1	40.1	40.1	40.1
DRO	TPH 8015M				50500	42700	22200	31.4	73.2	73.2	73.2	73.2	73.2



May 27, 2014

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: CYPRESS 28 FED #3H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 14:25.

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".

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 1' (H401509-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.584</b>	0.200	05/20/2014	ND	2.17	109	2.00	0.100		
<b>Toluene*</b>	<b>12.2</b>	0.200	05/20/2014	ND	2.17	108	2.00	0.742		
<b>Ethylbenzene*</b>	<b>15.8</b>	0.200	05/20/2014	ND	2.07	103	2.00	0.395		
<b>Total Xylenes*</b>	<b>64.8</b>	0.600	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>93.4</b>	1.20	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.9 % 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>528</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>1850</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>12900</b>	100	05/23/2014	ND	224	112	200	10.1			

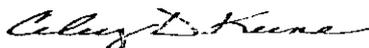
Surrogate: 1-Chlorooctane 194 % 65.2-140

Surrogate: 1-Chlorooctadecane 341 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 2' (H401509-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	7.35	0.500	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	15.2	0.500	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	64.8	1.50	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>87.5</b>	<b>3.00</b>	<b>05/20/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/22/2014	ND	416	104	400	3.92		

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	1940	100	05/23/2014	ND	201	101	200	7.89			
DRO >C10-C28	12000	100	05/23/2014	ND	224	112	200	10.1			

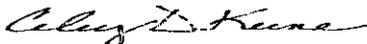
Surrogate: 1-Chlorooctane 205 % 65.2-140

Surrogate: 1-Chlorooctadecane 319 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 3' (H401509-03)**

BTEX 80218		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	1.33	0.200	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	4.10	0.200	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	16.7	0.600	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>22.2</b>	<b>1.20</b>	<b>05/20/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	624	10.0	05/22/2014	ND	201	101	200	7.89			
DRO >C10-C28	6060	10.0	05/22/2014	ND	224	112	200	10.1			

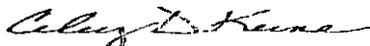
Surrogate: 1-Chlorooctane 191 % 65.2-140

Surrogate: 1-Chlorooctadecane 198 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 4' (H401509-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742		
<b>Ethylbenzene*</b>	<b>0.050</b>	0.050	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119		
Total BTEX	<0.300	0.300	05/20/2014	ND						

*Surrogate: 4-Bromofluorobenzene (PIE) 106 % 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>80.0</b>	16.0	05/22/2014	ND	416	104	400	3.92		

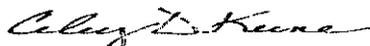
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/22/2014	ND	201	101	200	7.89		
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	224	112	200	10.1		

*Surrogate: 1-Chlorooctane 112 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 111 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 5' (H401509-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	<0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119		
Total BTEX	<0.300	0.300	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	16.9	10.0	05/23/2014	ND	224	112	200	10.1		

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 1' (H401509-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.10</b>	0.500	05/20/2014	ND	2.17	109	2.00	0.100		
<b>Toluene*</b>	<b>16.8</b>	0.500	05/20/2014	ND	2.17	108	2.00	0.742		
<b>Ethylbenzene*</b>	<b>17.9</b>	0.500	05/20/2014	ND	2.07	103	2.00	0.395		
<b>Total Xylenes*</b>	<b>77.5</b>	1.50	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>113</b>	3.00	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 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>960</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>1550</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>8620</b>	100	05/23/2014	ND	224	112	200	10.1			

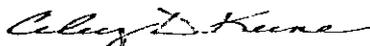
Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 238 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 2' (H401509-07)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.11</b>	0.200	05/21/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>17.0</b>	0.200	05/21/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>20.8</b>	0.200	05/21/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>77.6</b>	0.600	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>116</b>	1.20	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 461 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>320</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>1740</b>	10.0	05/23/2014	ND	201	101	200	7.89		
<b>DRO &gt;C10-C28</b>	<b>8590</b>	10.0	05/23/2014	ND	224	112	200	10.1		

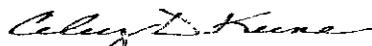
Surrogate: 1-Chlorooctane 227 % 65.2-140

Surrogate: 1-Chlorooctadecane 233 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 3' (H401509-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.051</b>	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>1.22</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>2.83</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>9.49</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>13.6</b>	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 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>272</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>308</b>	10.0	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>4110</b>	10.0	05/23/2014	ND	224	112	200	10.1			

Surrogate: 1-Chlorooctane 151 % 65.2-140

Surrogate: 1-Chlorooctadecane 171 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 4' (H401509-09)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	<b>0.092</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.279</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<b>0.864</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>1.24</b>	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 167 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>448</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<b>35.0</b>	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	<b>1440</b>	10.0	05/23/2014	ND	224	112	200	10.1		

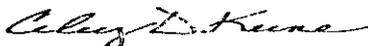
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 5' (H401509-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	<b>0.080</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.115</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<b>0.616</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>0.810</b>	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>96.0</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<b>10.0</b>	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	<b>23.3</b>	10.0	05/23/2014	ND	224	112	200	10.1		

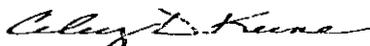
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 1' (H401509-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.57</b>	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>46.8</b>	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>62.5</b>	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>301</b>	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>412</b>	6.00	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 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>192</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>10000</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>50500</b>	100	05/23/2014	ND	224	112	200	10.1			

Surrogate: 1-Chlorooctane 733 % 65.2-140

Surrogate: 1-Chlorooctadecane 1290 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 2' (H401509-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>2.15</b>	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>48.6</b>	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>54.5</b>	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>261</b>	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>367</b>	6.00	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.6 % 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>192</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>8750</b>	50.0	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>42700</b>	50.0	05/23/2014	ND	224	112	200	10.1			

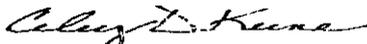
Surrogate: 1-Chlorooctane 627 % 65.2-140

Surrogate: 1-Chlorooctadecane 1160 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 3' (H401509-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
Toluene*	26.3	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	32.8	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	153	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>212</b>	<b>6.00</b>	<b>05/22/2014</b>	<b>ND</b>						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/22/2014	ND	400	100	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	4520	50.0	05/23/2014	ND	201	101	200	7.89			
DRO >C10-C28	22200	50.0	05/23/2014	ND	224	112	200	10.1			

Surrogate: 1-Chlorooctane 286 % 65.2-140

Surrogate: 1-Chlorooctadecane 554 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 4' (H401509-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2014	ND	2.27	114	2.00	2.21		
Toluene*	<0.050	0.050	05/22/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.071</b>	0.050	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>0.274</b>	0.150	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>0.345</b>	0.300	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	05/22/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89		
<b>DRO &gt;C10-C28</b>	<b>31.4</b>	10.0	05/23/2014	ND	224	112	200	10.1		

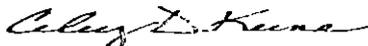
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 5' (H401509-15)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2014	ND	2.27	114	2.00	2.21		
Toluene*	<b>0.675</b>	0.050	05/22/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.648</b>	0.050	05/22/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<b>3.98</b>	0.150	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>5.30</b>	0.300	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 124 % 89.4-126

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>80.0</b>	16.0	05/22/2014	ND	400	100	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	<b>40.1</b>	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	<b>73.2</b>	10.0	05/23/2014	ND	224	112	200	10.1		

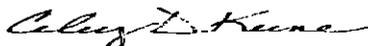
Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

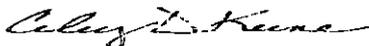
- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             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

---

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



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

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

Company Name: <b>BBC International, Inc.</b>		Project Manager: <b>Cliff Brunson</b>		P.O. #:		<b>ANALYSIS REQUEST</b>																	
Address: <b>P.O. Box 805</b>		City: <b>Hobbs</b>		State: <b>NM</b>		Zip: <b>88241</b>		Company:		Attn: <b>Jame</b>		Address:		City:		State:		Phone #:		Fax #:			
Phone #: <b>575-397-6388</b>		Fax #: <b>575-397-0397</b>		Project Owner: <b>DAY</b>		Project #:		Project Name: <b>Cypress 28 Federal 34</b>		Project Location: <b>Rawhick Rd</b>		Sampler Name: <b>Jill Oracles</b>		Matrix:		Preserv:		SAMPLING		DATE		TIME	
FOR LAB USE ONLY		# CONTAINERS		(G) RAB OR (COMP)		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE/COOL		OTHER	
Lab I.D.:		Sample I.D.:																					
H401599		SP301		11		12		13		14		15											

Relinquished By:		Date: <b>5/14/14</b>		Received By: <b>Jade Jensen</b>		Date: <b>5/14/14</b>		Time: <b>14:25</b>		Sample Condition: <b>-70C</b>		Checked By:	
Relinquished By:		Date:		Received By:		Date:		Time:		Cooler Contact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Checked By:	
Delivered By: <b>(Circle One)</b>		Sampler - UPS - Bus - Other:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS:	

↑ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476  
**#54**

## Kathy Purvis

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Monday, June 30, 2014 2:02 PM  
**To:** Cliff P. Brunson  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** RE: OXY-Cypress 28 Federal #3H Battery-remediation Plan

RE: OXY USA INC \* Cypress 28 Federal 003H \* 30-015-38287 \* D-28-23s-29e \* Eddy County, New Mexico  
NMOCD Reference Number: 2RP-2271 \* Date of release: 4/14/2014

Cliff,

Your proposal for remediation of the above referenced produced fluid release is approved. A 3' excavation at SP-1 will require a confirmation sample be obtained with lab data reviewed by OCD, prior to backfill. If SP-1 is excavated to 4', OCD will not require a confirmation sample event. Please notify OCD prior to commencement of remedial activities. Federal sites will require BLM approval of remediation proposal.

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, June 26, 2014 8:00 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Cypress 28 Federal #3H Battery-remediation Plan

Mike,

This e-mail is to confirm our conversation on June 18, 2014 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 to a depth of 3 feet in the area of SP1 and will excavate to a depth of 4 feet in the area of SP3 and SP4 as depicted on the attached site diagram. The area around the round tank is lined and bermed and the impacted soil will be removed and replaced. Then the site 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:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcrinternational.com](mailto:cbrunson@bbcrinternational.com)

\*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

\*\*\*\*\*

**Kathy Purvis**

---

**From:** Cliff P. Brunson <cbrunson@bbcinternational.com>  
**Sent:** Thursday, June 26, 2014 8:00 PM  
**To:** Jennifer Van Curen  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-Cypress 28 Federal #3H Battery-Remediation Plan  
**Attachments:** Remediation Packet, Cypress 28 Federal #3H.pdf

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. Oxy will excavate to a depth of 3 feet in the area of SP1 and will excavate to a depth of 4 feet in the area of SP3 and SP4 as depicted on the attached site diagram. The area around the round tank is lined and bermed and the impacted soil will be removed and replaced. Then the site 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  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)

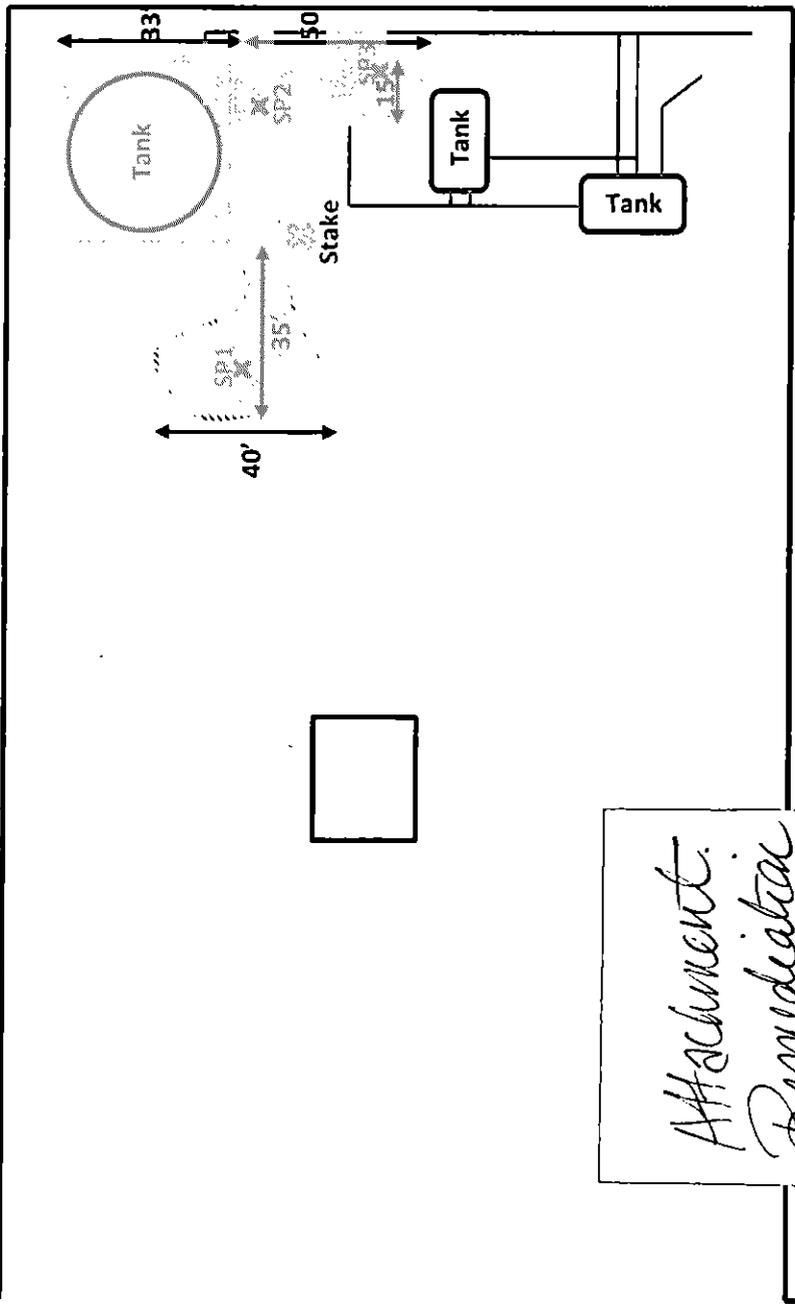
\*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

\*\*\*\*\*

Oxy

Cypress 28 Federal #3H Battery



U/L D, Section 28, T23S, R29E  
Eddy County, NM  
N 32.28217° W 103.99788°

BBC International, Inc.	
Oxy	
Cypress 28 Federal #3H Battery	
Date: 04/22/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	



# Groundwater Plot

## Oxy Cypress 28 Federal #3H

County  
Eddy

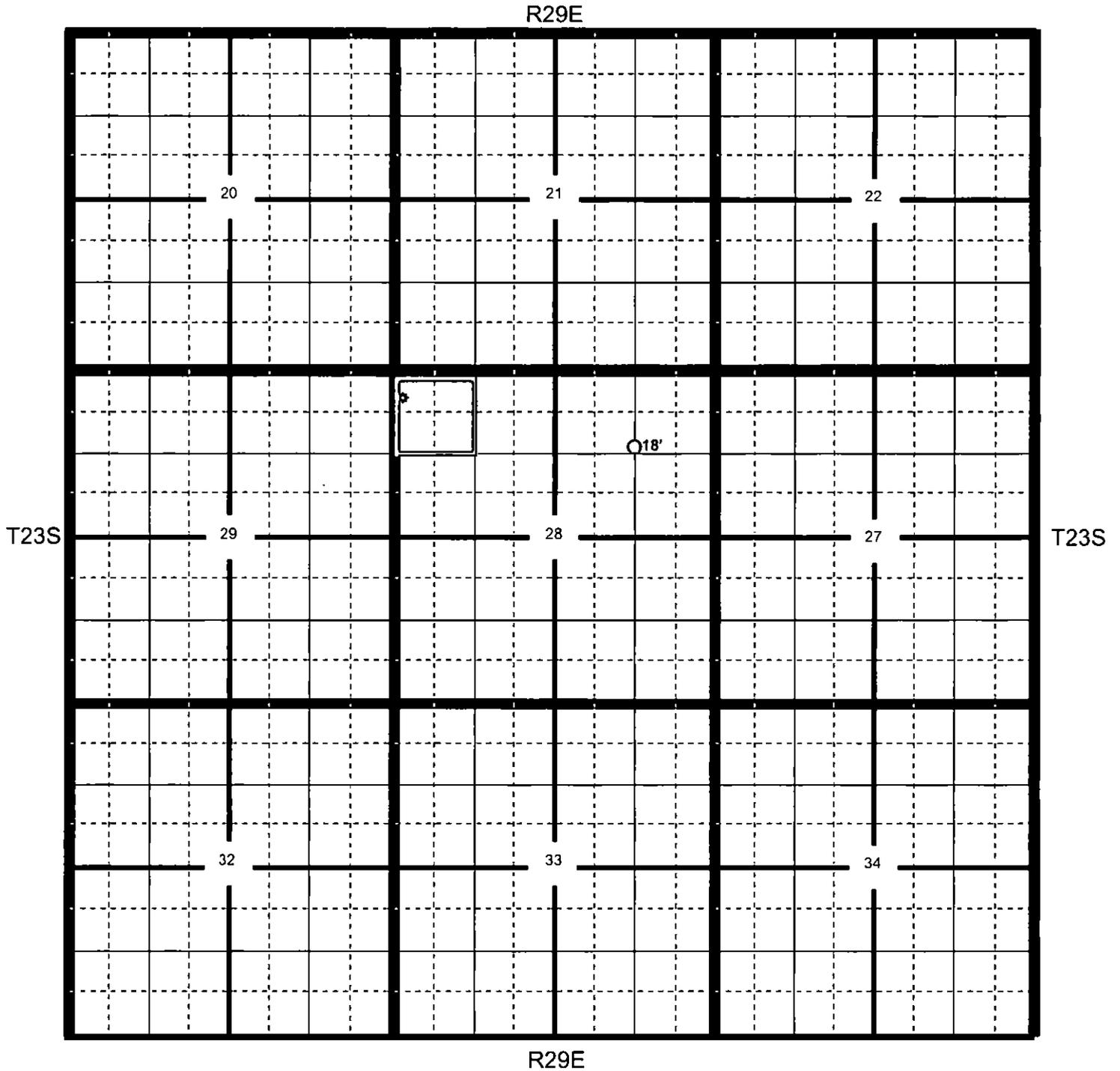
Unit Letter  
D

Section  
28

Township  
23S

Range  
29E

Trend Map 50'



⊛ Location

○ OCD

○ USGS

○ SEO

○ All Databases



Section Quarters

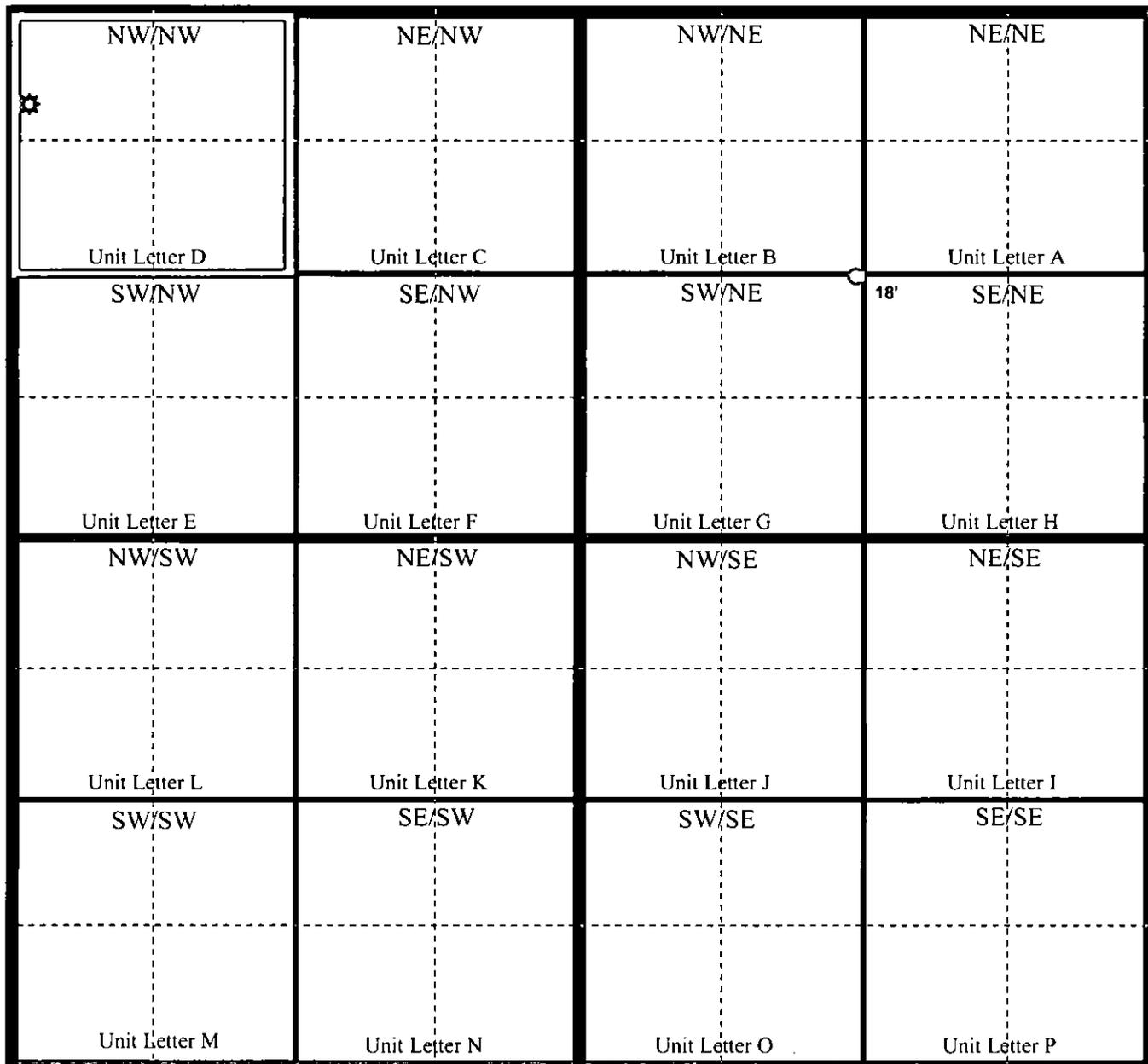
Oxy Cypress 28 Federal #3H

<b>County</b> Eddy	<b>Unit Letter</b> D	<b>Section</b> 28	<b>Township</b> T23S	<b>Range</b> R29E
-----------------------	-------------------------	----------------------	-------------------------	----------------------

Trend Map 50'

1

2



3

4

- ⚙ Location
- OCD
- USGS
- SEO
- All Databases

Laboratory Analytical Results Summary  
Cypress 28 Federal #3H

Analyte	Method	Sample				
		SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
		Date	5/14/14	5/14/14	5/14/14	5/14/14
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Toluene	BTEX 8021B		0.584	<0.500	<0.200	<0.050
Ethylbenzene	BTEX 8021B		12.2	7.35	1.33	<0.050
Total Xylenes	BTEX 8021B		15.8	15.2	4.1	<0.050
Total BTEX	BTEX 8021B		64.8	64.8	16.7	<0.150
Chloride	SM4500Cl-B		93.4	84.5	22.2	<0.300
GRO	TPH 8015M		528	208	144	80
DRO	TPH 8015M		1850	1940	624	<10.0
			12900	12000	6060	<10.0

Analyte	Method	Sample				
		SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
		Date	5/14/14	5/14/14	5/14/14	5/14/14
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Toluene	BTEX 8021B		1.1	1.1	0.051	<0.050
Ethylbenzene	BTEX 8021B		16.8	17	1.22	0.092
Total Xylenes	BTEX 8021B		17.9	20.8	2.83	0.279
Total BTEX	BTEX 8021B		77.5	77.6	9.49	0.864
Chloride	SM4500Cl-B		113	116	13.6	1.24
GRO	TPH 8015M		960	320	272	448
DRO	TPH 8015M		1550	1740	308	35
			8620	8590	4110	1440

Analyte	Method	Sample				
		SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
		Date	5/15/14	5/15/14	5/15/14	5/15/14
Benzene	BTEX 8021B		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Toluene	BTEX 8021B		1.57	2.15	<1.00	<0.050
Ethylbenzene	BTEX 8021B		46.8	48.6	26.3	<0.050
Total Xylenes	BTEX 8021B		62.5	54.5	32.8	0.071
Total BTEX	BTEX 8021B		301	261	153	0.274
Chloride	SM4500Cl-B		412	367	212	0.345
GRO	TPH 8015M		192	192	64	32
DRO	TPH 8015M		10000	8750	4520	<10.0
			50500	42700	22200	31.4

May 27, 2014

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: CYPRESS 28 FED #3H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/14 14:25.

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).

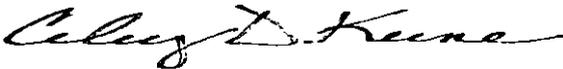
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 1' (H401509-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.584</b>	0.200	05/20/2014	ND	2.17	109	2.00	0.100		
<b>Toluene*</b>	<b>12.2</b>	0.200	05/20/2014	ND	2.17	108	2.00	0.742		
<b>Ethylbenzene*</b>	<b>15.8</b>	0.200	05/20/2014	ND	2.07	103	2.00	0.395		
<b>Total Xylenes*</b>	<b>64.8</b>	0.600	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>93.4</b>	1.20	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 97.9 % 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>528</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>1850</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>12900</b>	100	05/23/2014	ND	224	112	200	10.1			

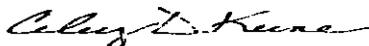
Surrogate: 1-Chlorooctane 194 % 65.2-140

Surrogate: 1-Chlorooctadecane 341 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 2' (H401509-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	7.35	0.500	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	15.2	0.500	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	64.8	1.50	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>87.5</b>	<b>3.00</b>	<b>05/20/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/22/2014	ND	416	104	400	3.92		

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	1940	100	05/23/2014	ND	201	101	200	7.89			
DRO >C10-C28	12000	100	05/23/2014	ND	224	112	200	10.1			

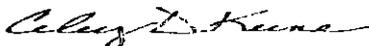
Surrogate: 1-Chlorooctane 205 % 65.2-140

Surrogate: 1-Chlorooctadecane 319 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 3' (H401509-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	1.33	0.200	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	4.10	0.200	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	16.7	0.600	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>22.2</b>	<b>1.20</b>	<b>05/20/2014</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIC) 99.0 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	624	10.0	05/22/2014	ND	201	101	200	7.89			
DRO >C10-C28	6060	10.0	05/22/2014	ND	224	112	200	10.1			

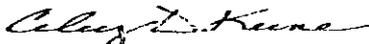
Surrogate: 1-Chlorooctane 191 % 65.2-140

Surrogate: 1-Chlorooctadecane 198 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 4' (H401509-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	<b>0.050</b>	0.050	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119		
Total BTEX	<0.300	0.300	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>80.0</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/22/2014	ND	201	101	200	7.89		
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	224	112	200	10.1		

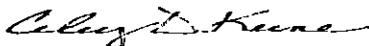
Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 1 @ 5' (H401509-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2014	ND	2.17	109	2.00	0.100		
Toluene*	<0.050	0.050	05/20/2014	ND	2.17	108	2.00	0.742		
Ethylbenzene*	<0.050	0.050	05/20/2014	ND	2.07	103	2.00	0.395		
Total Xylenes*	<0.150	0.150	05/20/2014	ND	6.48	108	6.00	0.119		
Total BTEX	<0.300	0.300	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	16.9	10.0	05/23/2014	ND	224	112	200	10.1		

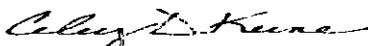
Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 1' (H401509-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.10</b>	0.500	05/20/2014	ND	2.17	109	2.00	0.100		
<b>Toluene*</b>	<b>16.8</b>	0.500	05/20/2014	ND	2.17	108	2.00	0.742		
<b>Ethylbenzene*</b>	<b>17.9</b>	0.500	05/20/2014	ND	2.07	103	2.00	0.395		
<b>Total Xylenes*</b>	<b>77.5</b>	1.50	05/20/2014	ND	6.48	108	6.00	0.119		
<b>Total BTEX</b>	<b>113</b>	3.00	05/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 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>960</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>1550</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>8620</b>	100	05/23/2014	ND	224	112	200	10.1			

Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 238 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 2' (H401509-07)**

BTEX 8021B		mg/kg		Analyzed By: MS				5-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.11</b>	0.200	05/21/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>17.0</b>	0.200	05/21/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>20.8</b>	0.200	05/21/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>77.6</b>	0.600	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>116</b>	1.20	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 461 % 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>320</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				5-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>1740</b>	10.0	05/23/2014	ND	201	101	200	7.89		
<b>DRO &gt;C10-C28</b>	<b>8590</b>	10.0	05/23/2014	ND	224	112	200	10.1		

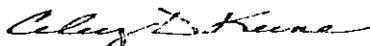
Surrogate: 1-Chlorooctane 227 % 65.2-140

Surrogate: 1-Chlorooctadecane 233 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 3' (H401509-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>0.051</b>	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>1.22</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>2.83</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>9.49</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>13.6</b>	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 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>272</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>308</b>	10.0	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>4110</b>	10.0	05/23/2014	ND	224	112	200	10.1			

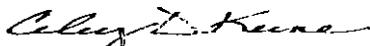
Surrogate: 1-Chlorooctane 151 % 65.2-110

Surrogate: 1-Chlorooctadecane 171 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 4' (H401509-09)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	<b>0.092</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.279</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<b>0.864</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>1.24</b>	0.300	05/21/2014	ND						

*Surrogate: 4-Bromofluorobenzene (PIC) 167 % 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>448</b>	16.0	05/22/2014	ND	416	104	400	3.92		

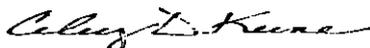
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>35.0</b>	10.0	05/23/2014	ND	201	101	200	7.89		
<b>DRO &gt;C10-C28</b>	<b>1440</b>	10.0	05/23/2014	ND	224	112	200	10.1		

*Surrogate: 1-Chlorooctane 110 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 126 % 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:	05/16/2014	Sampling Date:	05/14/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 2 @ 5' (H401509-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2014	ND	2.27	114	2.00	2.21		
Toluene*	<b>0.080</b>	0.050	05/21/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.115</b>	0.050	05/21/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	<b>0.616</b>	0.150	05/21/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>0.810</b>	0.300	05/21/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>96.0</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<b>10.0</b>	10.0	05/23/2014	ND	201	101	200	7.89		
DRO >C10-C28	<b>23.3</b>	10.0	05/23/2014	ND	224	112	200	10.1		

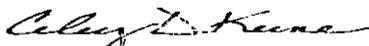
Surrogate: 1-Chlorooctane 103 % 65.2-110

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 1' (H401509-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>1.57</b>	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>46.8</b>	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>62.5</b>	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>301</b>	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>412</b>	6.00	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 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>192</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>10000</b>	100	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>50500</b>	100	05/23/2014	ND	224	112	200	10.1			

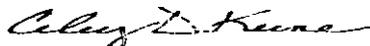
Surrogate: 1-Chlorooctane 733 % 65.2-140

Surrogate: 1-Chlorooctadecane 1290 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 2' (H401509-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Benzene*</b>	<b>2.15</b>	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
<b>Toluene*</b>	<b>48.6</b>	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
<b>Ethylbenzene*</b>	<b>54.5</b>	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>261</b>	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>367</b>	6.00	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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>192</b>	16.0	05/22/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10</b>	<b>8750</b>	50.0	05/23/2014	ND	201	101	200	7.89			
<b>DRO &gt;C10-C28</b>	<b>42700</b>	50.0	05/23/2014	ND	224	112	200	10.1			

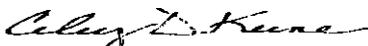
Surrogate: 1-Chlorooctane 627 % 65.2-140

Surrogate: 1-Chlorooctadecane 1160 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 3' (H401509-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	05/22/2014	ND	2.27	114	2.00	2.21		
Toluene*	26.3	1.00	05/22/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	32.8	1.00	05/22/2014	ND	2.13	107	2.00	1.16		
Total Xylenes*	153	3.00	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>212</b>	<b>6.00</b>	<b>05/22/2014</b>	<b>ND</b>						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/22/2014	ND	400	100	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	4520	50.0	05/23/2014	ND	201	101	200	7.89			
DRO >C10-C28	22200	50.0	05/23/2014	ND	224	112	200	10.1			

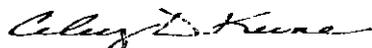
Surrogate: 1-Chlorooctane 286 % 65.2-140

Surrogate: 1-Chlorooctadecane 554 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 4' (H401509-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2014	ND	2.27	114	2.00	2.21		
Toluene*	<0.050	0.050	05/22/2014	ND	2.23	112	2.00	1.54		
Ethylbenzene*	<b>0.071</b>	0.050	05/22/2014	ND	2.13	107	2.00	1.16		
<b>Total Xylenes*</b>	<b>0.274</b>	0.150	05/22/2014	ND	6.73	112	6.00	0.527		
<b>Total BTEX</b>	<b>0.345</b>	0.300	05/22/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	05/22/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/23/2014	ND	201	101	200	7.89		
<b>DRO &gt;C10-C28</b>	<b>31.4</b>	10.0	05/23/2014	ND	224	112	200	10.1		

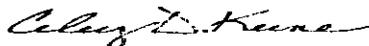
Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 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:	05/16/2014	Sampling Date:	05/15/2014
Reported:	05/27/2014	Sampling Type:	Soil
Project Name:	CYPRESS 28 FED #3H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	RAWHIDE RD		

**Sample ID: SP 3 @ 5' (H401509-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.27	114	2.00	2.21	
Toluene*	<b>0.675</b>	0.050	05/22/2014	ND	2.23	112	2.00	1.54	
Ethylbenzene*	<b>0.648</b>	0.050	05/22/2014	ND	2.13	107	2.00	1.16	
Total Xylenes*	<b>3.98</b>	0.150	05/22/2014	ND	6.73	112	6.00	0.527	
Total BTEX	<b>5.30</b>	0.300	05/22/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 124 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>80.0</b>	16.0	05/22/2014	ND	400	100	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	<b>40.1</b>	10.0	05/23/2014	ND	201	101	200	7.89	
DRO >C10-C28	<b>73.2</b>	10.0	05/23/2014	ND	224	112	200	10.1	

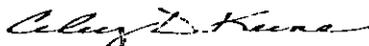
Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

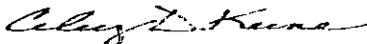
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED 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

---

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.



---

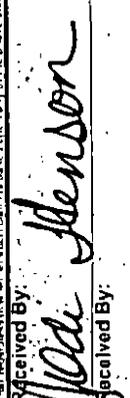
Celey D. Keene, Lab Director/Quality Manager

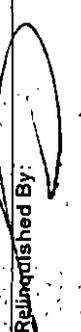
**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		City: Hobbs			
State: NM Zip: 88241		Alt.:			
Phone #: 575-397-6388		Address: Spare			
Fax #: 575-397-0397		City:			
Project #: _____		State:			
Project Name: Cypress 20 <sup>th</sup> February 3A		Phone #:			
Project Location: Ranch 1/2 Rd		Fax #:			
Sampler Name: Matt Daniels		Project Owner: OXY			
FOR LAB USE ONLY		PRESERV		DATE	
Lab I.D.		ICE/COOL		TIME	
HYD1509		ACID/BASE			
1		OTHER		5/1 1010	
2		SLUDGE		10/33	
3		OIL		10/57	
4		SOIL		1/11	
5		WASTEWATER		1/33	
6		GROUNDWATER		12/50	
7		# CONTAINERS		12/9	
8		(GRAB OR COMP)		1/50	
9				2/22	
10				3/00	

PLEASE NOTE: Liability and Ownership: Cardinal's liability and ownership is limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors, and no oral or written agreement to the contrary shall be enforceable. This agreement shall be governed by the laws of the State of New Mexico.

Relinquished By:  Date: 2/15/13  
 Received By:  Date: 2/14/13

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

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

Sample Condition:  Cool  Intact  Broken

Checked By: 

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

REMARKS: \_\_\_\_\_

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

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cypress 28 Federal #3H Battery	Facility Type	Gathering
Surface Owner	BLM	Mineral Owner	
		API No. 30-015-38287 (nearest well)	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	28	23S	29E					Eddy

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	40 bbls oil, 20 bbls produced water	Volume Recovered	50 bbls
Source of Release	Internal corrosion on 2" steel transfer line off the back of skim tank	Date and Hour of Occurrence	04/14/14	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:39 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

**RECEIVED**  
AUG 12 2014  
**NMOCD ARTESIA**

If a Watercourse was Impacted, Describe Fully.\*

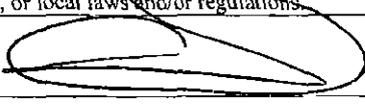
Describe Cause of Problem and Remedial Action Taken.\*

Internal corrosion on a 2" steel transfer line off the back of the skim tank caused 40 bbls of oil and 20 bbls of produced water to leak onto the ground. A vacuum truck recovered 50 bbls of fluids and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 30' x 30' on location. Remediation will be performed in accordance with a plan approved by NMOCD and BLM.

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

Signature:		<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Chancey Summers	Approved by District Supervisor:	
Title:	HES Specialist	Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com	Conditions of Approval:	
Date:	4-15-14	Phone:	(575) 397-8216
			Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary