

# Closure Report

## Site Description

Site Name:	Cedar Canyon 28 Federal #4
Company:	Oxy USA Inc.
Legal Description:	U/L K, Section 28, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.18635° W-103.99131°

## Release Data

Date of Release:	03/01/2015
Type of Release:	Oil and produced water
Source of Release:	Tank overflow
Volume of Release:	1 bbl oil, 14 bbls produced water
Volume Recovered:	Unknown

## Remediation Specifications

Remediation Parameters:	Samples were taken to confirm that previous unknown remediation activities were performed as verified by the confirmation sample results.	
Remediation Activities:	Unknown	
Plan Sent to OCD:		
OCD Approval of Plan:		
Plan Sent to BLM:		
BLM Approval of Plan:		

## Supporting Documentation

Initial C-141	Signed 03/05/2015
Final C-141	Signed 10/11/2018
Site Diagram	October 2018
Pictures	Pictures are not available for unknown remediation activities

## Request for Closure

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

Cliff Brunson, President, BBC International, Inc.

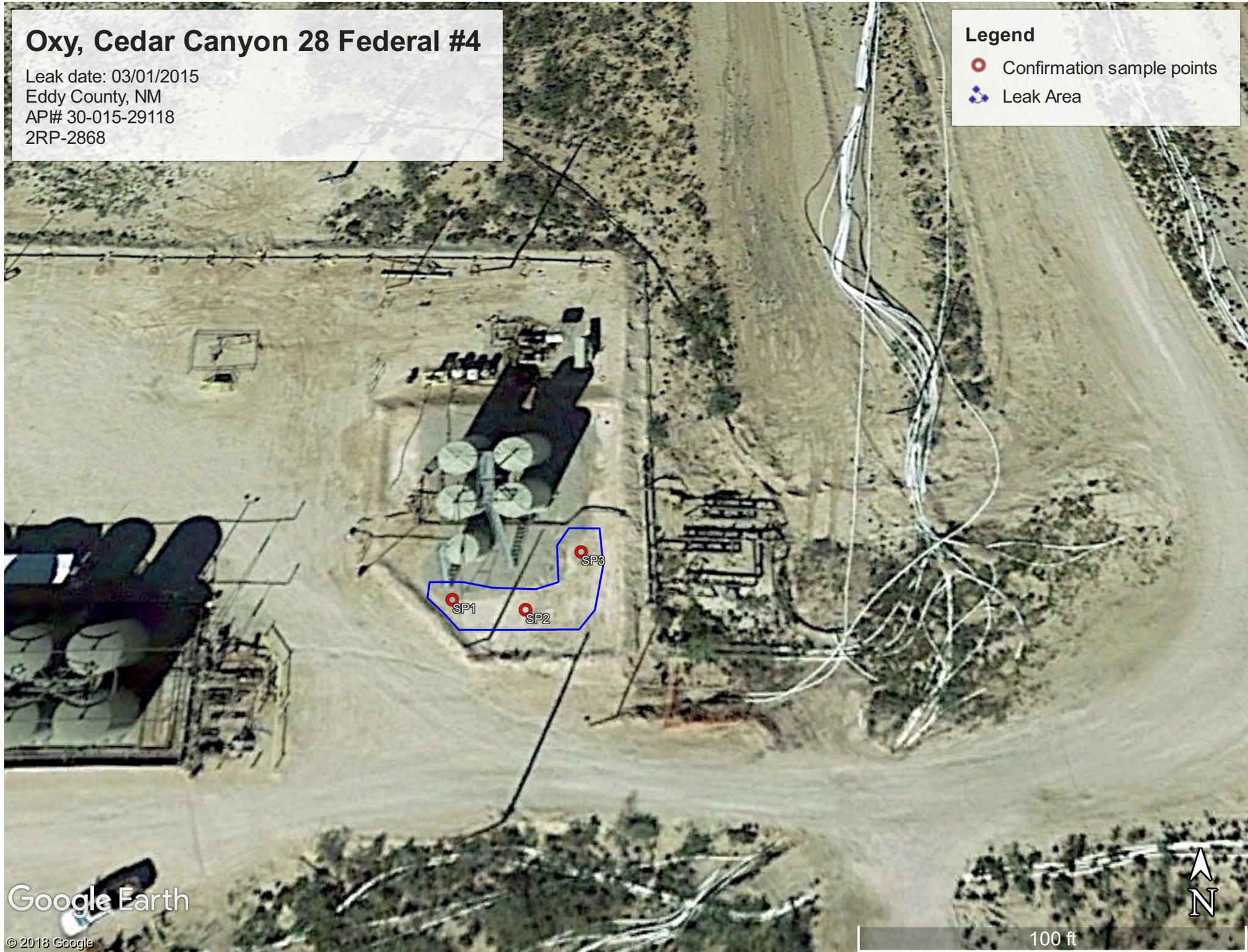
10/11/2018

# Oxy, Cedar Canyon 28 Federal #4

Leak date: 03/01/2015  
Eddy County, NM  
AP# 30-015-29118  
2RP-2868

## Legend

-  Confirmation sample points
-  Leak Area



Google Earth

© 2018 Google

100 ft



Oxy, Cedar Canyon 28 Federal #4

Confirmation sample points

SP1, N 32.18628 W-103.99143

SP2, N 32.18627 W-103.99136

SP3, N 32.18632 W-103.99131

**Laboratory Analytical Results Summary  
Cedar Canyon 28 Fed #4 (3/1/15)**

		Sample ID	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	9/12/18	9/12/18	9/12/18
			mg/kg	mg/kg	mg/kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>80</b>	<b>80</b>	<b>96</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>EXT DRO</b>	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	9/12/18	9/12/18	9/12/18
			mg/kg	mg/kg	mg/kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>112</b>	<b>32</b>	<b>80</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>EXT DRO</b>	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	9/12/18	9/12/18	9/12/18
			mg/kg	mg/kg	mg/kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>80</b>	<b>96</b>	<b>96</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<10.0	<10.0	<10.0
<b>EXT DRO</b>	TPH 8015M		<10.0	<10.0	<10.0



September 24, 2018

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

RE: CEDAR CANYON 28 FED #4

Enclosed are the results of analyses for samples received by the laboratory on 09/19/18 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 2' (H802658-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

*Surrogate: 1-Chlorooctane 91.5 % 41-142*
*Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 3' (H802658-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 85.9 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 4' (H802658-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 76.0 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 2' (H802658-04)**

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	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 3' (H802658-05)**

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	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 81.8 % 37.6-147

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\*=Accredited Analyte

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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 4' (H802658-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 87.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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**Analytical Results For:**

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 Cliff Brunson  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 2' (H802658-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 86.4 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 3' (H802658-08)**

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	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	09/24/2018	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	09/21/2018	ND	187	93.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	09/21/2018	ND	178	88.8	200	0.457	
EXT DRO >C28-C36	<10.0	10.0	09/21/2018	ND					

Surrogate: 1-Chlorooctane 87.3 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	09/19/2018	Sampling Date:	09/12/2018
Reported:	09/24/2018	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 FED #4	Sampling Condition:	Cool & Intact
Project Number:	( 03/01/2015 )	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 4' (H802658-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2018	ND	1.95	97.4	2.00	0.00698	
Toluene*	<0.050	0.050	09/22/2018	ND	2.01	101	2.00	0.418	
Ethylbenzene*	<0.050	0.050	09/22/2018	ND	2.12	106	2.00	0.00430	
Total Xylenes*	<0.150	0.150	09/22/2018	ND	6.11	102	6.00	0.0634	
Total BTEX	<0.300	0.300	09/22/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/24/2018	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	09/22/2018	ND	187	93.3	200	3.66	
DRO >C10-C28*	<10.0	10.0	09/22/2018	ND	178	88.8	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	09/22/2018	ND					

Surrogate: 1-Chlorooctane 99.2 % 41-142

Surrogate: 1-Chlorooctadecane 99.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



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

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

1021

Company Name: BCB International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: Cliff Brunson		P.O. #:			
Address: P.O. Box 805		Company: Oxy			
City: Hobbs		Attn: S. HERRON			
State: NM Zip: 88241		Address:			
Phone #: 575-397-6388		City:			
Fax #: 575-397-0397		State:			
Project #: Project Owner: Oxy		Zip:			
Project Name: CEDAR CANYON 28 FED #4 (03/01/2015)		Phone #:			
Project Location: EDDY COUNTY, NM		Fax #:			
Sampler Name: ROGER HERNANDEZ					
<small>FOR LAB USE ONLY</small>					
Lab I.D. <b>H802658</b>		Sample I.D.			
		(G)RAB OR (C)OMP.			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE		TIME	
1	SP1 @ 2'	1	9/12/18	11:00 AM	✓
2	SP1 @ 3'	1	9/12/18	11:25 AM	✓
3	SP1 @ 4'	1	9/12/18	12:00 PM	✓
4	SP2 @ 2'	1	9/12/18	1:20 PM	✓
5	SP2 @ 3'	1	9/12/18	1:50 PM	✓
6	SP2 @ 4'	1	9/12/18	2:00 PM	✓
7	SP3 @ 2'	1	9/12/18	2:08 PM	✓
8	SP3 @ 3'	1	9/12/18	2:22 PM	✓
9	SP3 @ 4'	1	9/12/18	2:40 PM	✓
		BTEX		✓	
		CI		✓	
		TPH EXT		✓	

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

Relinquished By: <i>[Signature]</i>	Date: 9/12/18	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Relinquished By: <i>[Signature]</i>	Date: 9/19/18	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Relinquished By: <i>[Signature]</i>	Date: 10:50	Received By: <i>[Signature]</i>	REMARKS:	
Delivered By: (Circle One)	Time: 5:30 PM	Sample Condition		
Sampler - UPS - Bus - Other: -2.40c/#97	Time: 9:19/18	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		
	Time: 10:50	Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: <i>[Signature]</i>		
		(Initials)		

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

Incident ID	
District RP	2RP-2868
Facility ID	
Application ID	

### Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

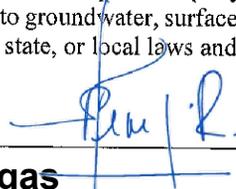
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Specialist  
 Signature:  Date: 10-11-18  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Victoria Venegas Date: 02/19/2019

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 02/20/2019  
 Printed Name: Victoria Venegas Title: Engineering Tech III