

# Closure Report

INCIDENT ID #nAB1919235168

## Site Description

Site Name:	HARROUN 15 15 CTB
Company:	Oxy, Permian
Legal Description:	U/L I, Section 16, T 24S, R29E
County:	Lea County, NM
GPS Coordinates:	N 32.21713, W-103.98061

## Release Data

Date of Release:	6/18/2019
Type of Release:	Produced water
Source of Release:	OPERATOR ERROR DURING FLOW LINE MAINTENANCE
Volume of Release:	52 BBLS
Volume Recovered:	51 BBLS

## Remediation Specifications

Remediation Parameters:	<p>OXY excavated the spill area as depicted on the following site diagram.</p> <p>The leak area near SP1 (WHITE shade on diagram) was excavated to a depth of 6 feet. The leak area near SP2 (YELLOW shade on diagram) will be excavated to a depth of 5 feet.</p> <p>OXY collected sidewall and bottom confirmation samples every 200 square feet.</p>
Remediation Activities:	10/10/22 - 10/12/22

Plan Sent to OCD:	2/7/2022	
OCD Approval of Plan:	2/23/2022	
Plan Sent to BLM:		
BLM Approval of Plan:		

## Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 10/24/22, 10/31/22	
Notifications	10/19/2022 10/24/2022	

## Request for Closure

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

Cliff Brunson, President of BBC International Inc.

11/23/2022

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	nAB1919235168
District RP	
Facility ID	
Application ID	

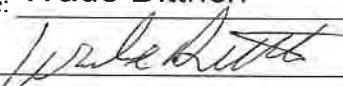
## Closure

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 OCD 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 Coordinator  
Signature:  Date: 11-22-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: 01/04/2023  
Printed Name: Jennifer Nobui Title: Environmental Specialist A

**From:** [Nobui, Jennifer, EMNRD](#)  
**To:** [Cliff Brunson](#)  
**Cc:** [Bratcher, Michael, EMNRD](#)  
**Subject:** FW: [EXTERNAL] OXY - Harroun 15 15 CTB - Sampling Notification  
**Date:** Monday, October 24, 2022 9:59:26 AM

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Cliff

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

---

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Thursday, October 20, 2022 8:20 AM  
**To:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@emnrd.nm.gov](mailto:Jennifer.Nobui@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] OXY - Harroun 15 15 CTB - Sampling Notification

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
<http://www.emnrd.nm.gov>



---

**From:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Sent:** Wednesday, October 19, 2022 6:29 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** 'Wade Dittrich' <[Wade\\_Dittrich@oxy.com](mailto:Wade_Dittrich@oxy.com)>; [tyson\\_pierce@oxy.com](mailto:tyson_pierce@oxy.com); 'Ken Swinney' <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; 'Jennifer Gilkey' <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Sweeney <[kathys@bbcinternational.com](mailto:kathys@bbcinternational.com)>  
**Subject:** [EXTERNAL] OXY - Harroun 15 15 CTB - Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Harroun 15 15 CTB (nAB1919235168) (6/18/19) on Monday, October 24, 2022 at 9:00 a.m.

**From:** [Cliff Brunson](#)  
**To:** ["OCD.Enviro@emnrd.nm.gov"](mailto:OCD.Enviro@emnrd.nm.gov)  
**Cc:** ["Wade Dittich"](#); ["tyson\\_pierce@oxy.com"](mailto:tyson_pierce@oxy.com); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#)  
**Subject:** OXY - Harroun 15 15 CTB - Sampling Notification  
**Date:** Wednesday, October 19, 2022 6:28:00 PM

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Harroun 15 15 CTB (nAB1919235168) (6/18/19) on Monday, October 24, 2022 at 9:00 a.m.

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)



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
# OXY-HARROUN 15 15 CTB

LEAK DATE: 6/18/2019

EDDY CO, NM

INCIDENT #: nAB1919235168

## Legend

-  5' EXCAVATION
-  6' EXCAVATION
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



HARROUN 15 15 CTB (6/18/190      SAMPLE DATE 10/24/22

BOTTOM SAMPLE POINTS

BS 1 @5'	N 32.21716	W-103.98059
BS 2 @6'	N 32.21711	W-103.98059

SIDEWALL SAMPLE POINTS

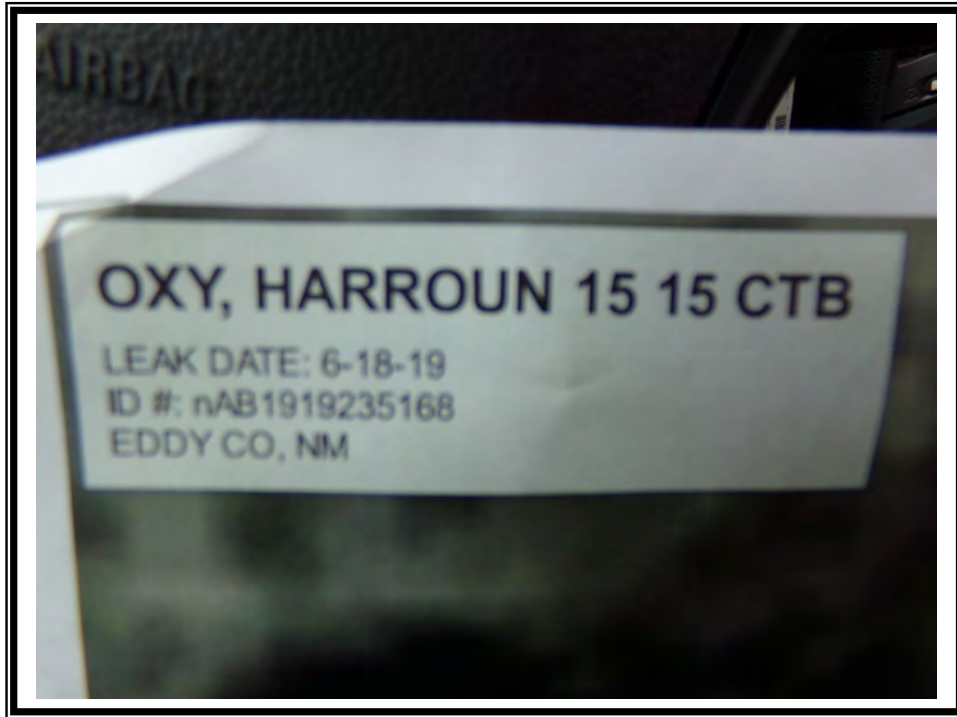
SW 1 @5'	N 32.21714	W-103.98060
SW 2@5'	N 32.21714	W-103.98057
SW 3@6'	N 32.21711	W-103.98060
SW 4@6'	N 32.21712	W-103.98056

	Sample ID	BS 1 @5"	BS 2 @6'	SW 1 @5'	SW 2 @5'	SW 3 @6'	SW 4 @6'
Analyte	Date	10/24/22	10/24/22	10/24/22	10/24/22	10/24/22	10/24/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		<16.0	32.0	<16.0	<16.0	<16.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<16.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0





OXY- HARROUN 15 15 CTB (6/18/19)







OXY- HARROUN 15 15 CTB (6/18/19)





OXY- HARROUN 15 15 CTB (6/18/19)







OXY- HARROUN 15 15 CTB (6/18/19)





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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October 31, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARRON 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/24/22 16:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 1 @ 5' (H225000-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1	
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4	
Total BTEX	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.9 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 2 @ 6' (H225000-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1		
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2		
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4		
Total BTEx	<0.300	0.300	10/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 1 @ 5' (H225000-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1		
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2		
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4		
Total BTEx	<0.300	0.300	10/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 2 @ 5' (H225000-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1		
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2		
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4		
Total BTEx	<0.300	0.300	10/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.7 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 3 @ 6' (H225000-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1		
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2		
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4		
Total BTEx	<0.300	0.300	10/31/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.1 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 10/24/2022  
 Reported: 10/31/2022  
 Project Name: HARRON 15 CTB  
 Project Number: ( 6-18-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 4 @ 6' (H225000-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2022	ND	1.97	98.5	2.00	11.1	
Toluene*	<0.050	0.050	10/31/2022	ND	2.21	111	2.00	11.2	
Ethylbenzene*	<0.050	0.050	10/31/2022	ND	2.12	106	2.00	11.8	
Total Xylenes*	<0.150	0.150	10/31/2022	ND	6.39	107	6.00	12.4	
Total BTEx	<0.300	0.300	10/31/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/27/2022	ND	416	104	400	3.77		

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	10/28/2022	ND	175	87.5	200	4.45	
DRO >C10-C28*	<10.0	10.0	10/28/2022	ND	196	98.0	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	10/28/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO												ANALYSIS REQUEST																															
Project Manager: Cliff Brunson		Company: Oxy																																													
Address: P.O. Box 805		Attn:																																													
City: Hobbs		Address:																																													
Phone #: 575-397-6388		City:																																													
Fax #: 575-397-0397		State:																																													
Project #: Project Owner: Oxy		Zip:																																													
Project Name: HARRON 15 CTB (6/18/49)		Phone #:																																													
Project Location: New Mexico		Fax #:																																													
Sampler Name: SIMON		PRESERV																																													
FOR LAB USE ONLY		SAMPLING																																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		BT EX		TPWEXT													
1		BOTTOM SAMPLE 1 @ 5'																								10/24/22		9:25AM		✓		✓		✓													
2		BOTTOM SAMPLE 2 @ 6'																								10/24/22		9:43AM		✓		✓		✓													
3		SIDEWALL 1 @ 5'																								10/24/22		10:04AM		✓		✓		✓													
4		SIDEWALL 2 @ 5'																								10/24/22		10:23AM		✓		✓		✓													
5		SIDEWALL 3 @ 6'																								10/24/22		10:42AM		✓		✓		✓													
6		SIDEWALL 4 @ 6'																								10/24/22		11:04AM		✓		✓		✓													
Relinquished By:		Date: 10-24-22		Time: 1644		Received By:		Date:		Time:		Sample Condition		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		REMARKS:																							
Relinquished By:		Date:		Time:		Received By:		Date:		Time:		Sample Condition		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																									
Delivered By: (Circle One)		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																																	
Sampler - UPS - Bus - Other: -S, 4, 6, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																																	

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



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Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 161220

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 161220
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/4/2023