

## Closure Report

### Site Description

Site Name:	Mitchell 21 Federal 1 CTB
Company:	Oxy
Legal Description:	U/L G, Section 21, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.20542 W -103.98647

### Release Data

Date of Release:	6/24/2019
Type of Release:	Produced Water
Source of Release:	Corrosion of 4 inch poly line
Volume of Release:	310 bbls
Volume Recovered:	280 bbls

### Remediation Specifications

Remediation Parameters:	Excavated the areas SP1-SP2 to a depth of 1 foot, a depth of 3 feet for SP3, a depth of 2 feet for SP4-SP5, and a depth of 4 feet for SP6.	
Remediation Activities:	1/22/20 - 2/14/20	
Plan Sent to OCD:	10/25/2019	
OCD Approval of Plan:	12/17/2019	Email from Robert Hamlet to Cliff Brunson
Plan Sent to BLM:	10/25/2019	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	11/8/2019	Email from James Amos to Cliff Brunson

### Supporting Documentation

Initial C-141	Signed and included	
C-141, page 6	Signed and included	
Site Diagram	6/26/2019	
Pictures	Remediation photos	
Lab Summary	Confirmation Lab 2/6/20	
Depth to Groundwater	USGS search results, Groundwater Trend Map	

### 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.

2/19/2020

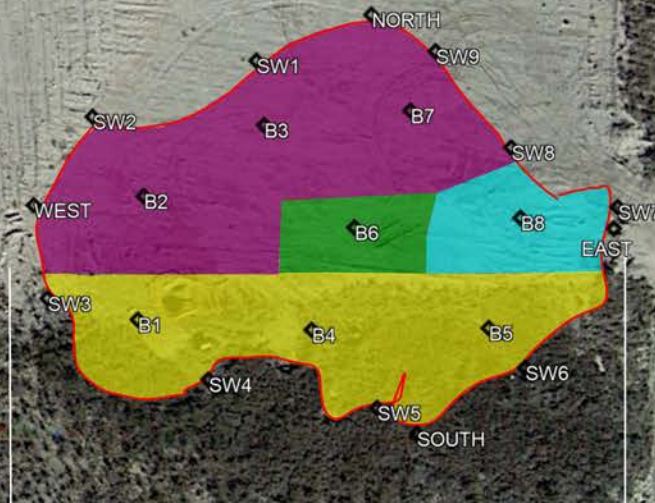


# Oxy, Mitchell 21 Federal 1 CTB

Leak Date: 6-24-19  
Eddy County, NM  
API: 30-015-28559  
2RP-5533

## Legend

- 1 ft Excavation
- 2 ft Excavation
- 3 ft Excavation
- 4 ft Excavation
- Buffer Zone
- Confirmation Samples
- Leak Area





Oxy, Mitchell 21 Federal 1 CTB  
(6-24-19)

Confirmation Sample points

B1, N 32.20528 W -103.98650  
B2, N 32.20543 W -103.98649  
B3, N 32.20551 W -103.98633  
B4, N 32.20527 W -103.98626  
B5, N 32.20527 W -103.98602  
B6, N 32.20539 W -103.98620  
B7, N 32.20552 W -103.98613  
B8, N 32.20540 W -103.98597  
SW1, N 32.20558 W -103.98634  
SW2, N 32.20552 W -103.98656  
SW3, N 32.20531 W -103.98663  
SW4, N 32.20521 W -103.98640  
SW5, N 32.20518 W -103.98617  
SW6, N 32.20523 W -103.98597  
SW7, N 32.20541 W -103.98584  
SW8, N 32.20548 W -103.98599  
SW9, N 32.20559 W -103.98609  
NORTH, N 32.20564 W-103.98618  
EAST, N 32.20539 W-103.98585  
WEST, N 32.20541 W-103.98664  
SOUTH, N 32.20515 W-103.98612



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## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater ▼

Geographic Area:

New Mexico ▼

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- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 321355104012001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 321355104012001 24S.29E.07.14444

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°13'55", Longitude 104°01'20" NAD27

Land-surface elevation 2,983 feet above NAVD88

The depth of the well is 160 feet below land surface.

This well is completed in the Castile Formation (312CSTL) local aquifer.

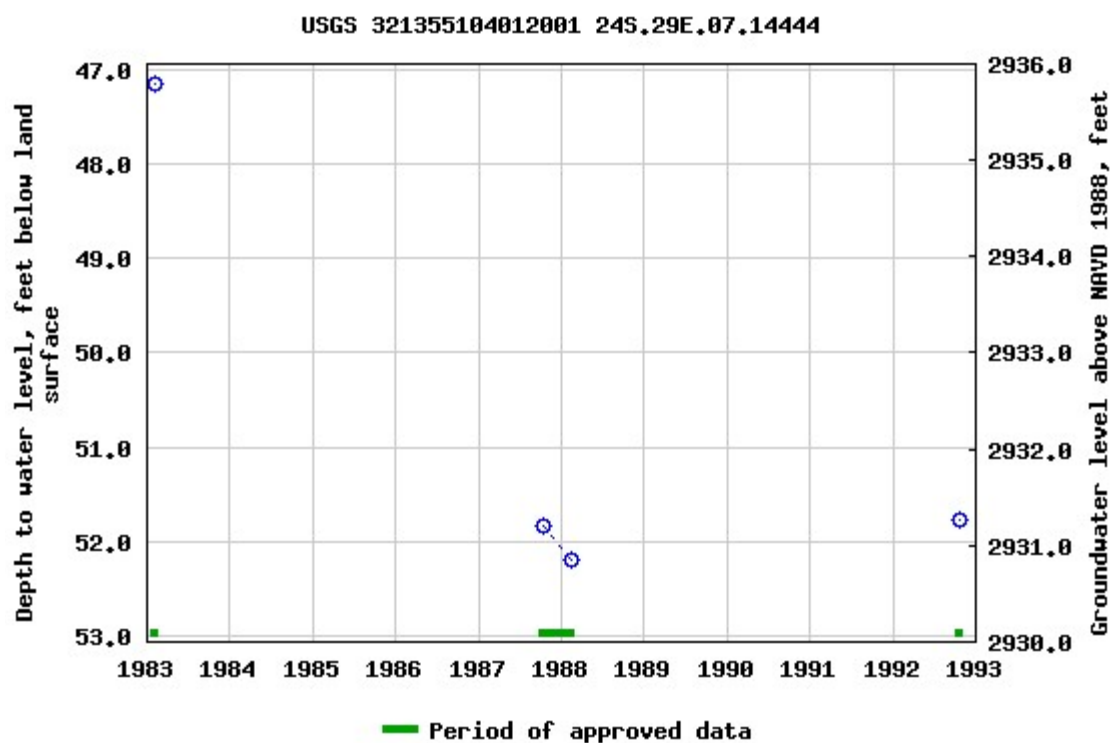
### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321355104012001&agency_c...)**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-07-23 11:10:54 EDT

0.92 0.87 nadww02









		Sample ID	B1
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		320
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		16.9
EXT DRO	TPH 8015M		<10.0

		Sample ID	B5
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		144
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	B2
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		224
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	B6
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		176
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	B3
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		32.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	B7
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	B4
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		240
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		62.0
EXT DRO	TPH 8015M		25.0

		Sample ID	B8
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		96.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0



		Sample ID	SW1
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		32.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW2
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW3
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW4
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		368
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		28.8
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW5
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW6
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW7
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW8
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		48.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

		Sample ID	SW9
Analyte	Method	Date	2/6/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		96.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0



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

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February 10, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MITCHELL 21 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/07/20 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: BOTTOM 1 (H000371-01)**

BTX 8021B		mg/kg		Analyzed By: MS				HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/07/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	16.9	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 76.8 % 41-142

Surrogate: 1-Chlorooctadecane 77.3 % 37.6-147

Cardinal Laboratories

\*=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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 2 (H000371-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTEX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/07/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.8 % 37.6-147

Cardinal Laboratories

\*=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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: BOTTOM 3 (H000371-03)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	32.0	16.0	02/07/2020	ND	432	108	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 96.1 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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\*=Accredited Analyte

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 4 (H000371-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTEx	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/07/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	62.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	25.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 94.3 % 41-142

Surrogate: 1-Chlorooctadecane 97.9 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 5 (H000371-05)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/07/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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\*=Accredited Analyte

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 6 (H000371-06)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/07/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 94.0 % 41-142

Surrogate: 1-Chlorooctadecane 95.3 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 7 (H000371-07)**

BTX 8021B		mg/kg		Analyzed By: MS				HDSP-1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48		
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86		
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80		
Total BTX	<0.300	0.300	02/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	02/07/2020	ND	432	108	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29		
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5		
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND						

Surrogate: 1-Chlorooctane 99.3 % 41-142

Surrogate: 1-Chlorooctadecane 99.9 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: BOTTOM 8 (H000371-08)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	96.0	16.0	02/07/2020	ND	432	108	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 95.9 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 1 (H000371-09)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	32.0	16.0	02/07/2020	ND	432	108	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 97.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.7 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 2 (H000371-10)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	02/07/2020	ND	432	108	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: SIDEWALL 3 (H000371-11)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	02/07/2020	ND	416	104	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 92.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: SIDEWALL 4 (H000371-12)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	368	16.0	02/07/2020	ND	416	104	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	28.8	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 95.0 % 41-142

Surrogate: 1-Chlorooctadecane 98.7 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: SIDEWALL 5 (H000371-13)**

BTX 8021B		mg/kg		Analyzed By: MS				HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 99.4 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 6 (H000371-14)**

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	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTEx	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: SIDEWALL 7 (H000371-15)**

BTX 8021B		mg/kg		Analyzed By: MS				HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48	
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86	
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80	
Total BTX	<0.300	0.300	02/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29	
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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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:	02/07/2020	Sampling Date:	02/06/2020
Reported:	02/10/2020	Sampling Type:	Soil
Project Name:	MITCHELL 21 1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY -		

**Sample ID: SIDEWALL 8 (H000371-16)**

BTX 8021B			mg/kg					Analyzed By: MS		HDSP-1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48			
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62			
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86			
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80			
Total BTX	<0.300	0.300	02/07/2020	ND							

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	48.0	16.0	02/07/2020	ND	416	104	400	0.00			

TPH 8015M			mg/kg					Analyzed By: MS			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29			
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5			
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND							

Surrogate: 1-Chlorooctane 95.2 % 41-142

Surrogate: 1-Chlorooctadecane 98.5 % 37.6-147

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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: 02/07/2020  
 Reported: 02/10/2020  
 Project Name: MITCHELL 21 1 CTB  
 Project Number: NONE GIVEN  
 Project Location: OXY -

Sampling Date: 02/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 9 (H000371-17)**

BTX 8021B		mg/kg		Analyzed By: MS				HDSP-1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/07/2020	ND	1.94	96.8	2.00	1.48		
Toluene*	<0.050	0.050	02/07/2020	ND	1.95	97.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	02/07/2020	ND	1.99	99.6	2.00	1.86		
Total Xylenes*	<0.150	0.150	02/07/2020	ND	5.89	98.2	6.00	1.80		
Total BTX	<0.300	0.300	02/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	96.0	16.0	02/07/2020	ND	416	104	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/07/2020	ND	209	104	200	3.29		
DRO >C10-C28*	<10.0	10.0	02/07/2020	ND	180	90.2	200	17.5		
EXT DRO >C28-C36	<10.0	10.0	02/07/2020	ND						

Surrogate: 1-Chlorooctane 89.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

HDSP-1	Sample container had headspace. Results may be biased low.
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 cursive script, appearing to read "Celey D. Keene".

---

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**

1 of 2

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																									
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>																									
Address: P.O. Box 805				Company: <b>OXY</b>																													
City: Hobbs State: NM Zip: 88241				Attn: <b>WADE</b>																													
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																													
Project #: Project Owner: Oxy				City:																													
Project Name: <i>Mitchell 21 1CTB</i>				State: Zip:																													
Project Location:				Phone #:																													
Sampler Name: Roger Hernandez				Fax #:																													
FOR LAB USE ONLY																																	
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																			
<i>H000371</i>																																	
1	BOTTOM 1	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>900</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
2	BOTTOM 2	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>910</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
3	BOTTOM 3	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>920</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
4	BOTTOM 4	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>930</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
5	BOTTOM 5	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>940</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
6	BOTTOM 6	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>950</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
7	BOTTOM 7	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>1000</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
8	BOTTOM 8	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>1010</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
9	Side Wall 1	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>1030</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																
10	Side Wall 2	<i>G</i>	<i>1</i>			<i>✓</i>				<i>✓</i>			<i>2-6-20</i>	<i>1045</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>																

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Relinquished By: <i>Roger Hernandez</i>	Date: <i>2-6-20</i>	Received By: <i>Maell Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Maell Pena</i>	Date: <i>2-7-20</i>	Received By: <i>Maell Pena</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: <i>8:00 AM</i>	Time: <i>8:00 AM</i>	REMARKS: <i>Rush!!</i>	
Sampler - UPS - Bus - Other: <i>#113 5.7E</i>	Sample Condition	CHECKED BY: (Initials)		
	Cool Intact			
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Jo.</i>		

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

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Rush!!

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



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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	2RP-5533
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

### Location of Release Source

Latitude N 32.20542 Longitude W-103.98647  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MITCHELL 21 FEDERAL 1 CTB	Site Type	BATTERY
Date Release Discovered	6/24/19	API# (if applicable)	30-015-28559

Unit Letter	Section	Township	Range	County
G	21	24S	29E	EDDY COUNTY, NM

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 310 BBLS	Volume Recovered (bbls) 280 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

CORROSION OF 4 INCH POLY LINE

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>THE RELEASE IS GREATER THAN 25 BBLS</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>YES, BY WADE DITTRICH OF OXY TO MIKE BRATCHER, ROBERT HAMLET, AND VICTORIA VENEGAS OF NMOC AND JAMES AMOS OF THE BLM ON 6/26/19 @ 3:03 PM</b>	

**Initial Response**

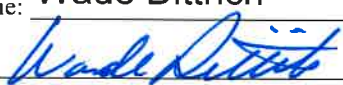
*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: Wade Dittrich Title: Environmental Coordinator  
 Signature:  Date: 6-27-19  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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## 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 Coordinator  
Signature:  Date: 2-18-2020  
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: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_