

## Closure Report

### Incident ID: NRM2002750398

#### Site Description

Site Name:	Length CC 6-7 Fed Com 21H
Company:	Oxy, Permian
Legal Description:	U/L D, Section 6, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.25304 W -104.03006

#### Release Data

Date of Release:	6/11/2019
Type of Release:	Produced water
Source of Release:	Lay flat line failure
Volume of Release:	165 bbls
Volume Recovered:	160 bbls

#### Remediation Specifications

Remediation Parameters:	Excavated leak area SP1 to a depth of 1 foot. Leak area near SP2 & SP3 were excavated to a depth of 3.5 feet. Bottom and sidewall samples were collected every 50 feet. The entire site has been back-filled with clean soil.
Remediation Activities:	10/22/2020 to 11/18/2020

Plan Sent to OCD:	2/19/2020	Receipted on PO VF1S3-200219-C-1410
OCD Approval of Plan:	3/23/2020	Receipted on OCD website
Plan Sent to BLM:	N/A	
BLM Approval of Plan:	N/A	

#### Supporting Documentation

Initial C-141	signed and included	
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 10/26/20 & 11/9/20	
Depth to Groundwater	USGS Info	

#### 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.

3/16/2021

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	
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 32.25304 Longitude W-104.03006  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	LENGTH CC 6-7 FED COM 21H	Site Type	WELL
Date Release Discovered	6/11/19	API# (if applicable)	30-015-45553

Unit Letter	Section	Township	Range	County
D	6	24S	29E	EDDY COUNTY, NM

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: OXY USA INC.)

### 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) 165 BBLS	Volume Recovered (bbls) 160 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

LAY FLAT LINE FAILURE

Form C-141

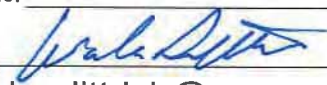
Page 2

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
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Application ID	

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>NOT UNTIL 10/30/19 VIA EMAIL TO MIKE BRATCHER, VICTORIA VENEGAS, AND ROBERT HAMLET OF NMOCDC BY WADE DITTRICH OF OXY</b>	

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Wade Dittrich</u>	Title: <u>Environmental Coordinator</u>
Signature: <u></u>	Date: <u>11-5-19</u>
email: <u>wade_dittrich@oxy.com</u>	Telephone: <u>(575) 390-2828</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM202750398
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 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: 12-2-2020  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Cristina Eads Date: 03/19/2021

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: 07/20/2021  
Printed Name: Cristina Eads Title: Environmental Specialist



# Oxy Length CC 6-7 Fed Com 21H

Leak Date: 6-11-2019  
ddy County, NM  
PI: 30-015-45553  
cident ID:NRM2002750398

Released to Imaging: 7/20/2021 8:40:38 PM

Received by OCD: 3/18/2021 2:54:48 PM

Legend

 1 ft Excavation

 3.5 ft Excavation

 Confirmation Samples

 Leak area

 Location Pad



Oxy, Length CC 6-7 Fed Com 21H (6-11-19)

Confirmation Sample points

B1, N 32.25234 W-104.02959

B2, N 32.25234 W-104.02946

B3, N 32.25241 W-104.02933

SW1, N 32.25238 W-104.02935

SW2, N 32.25237 W-104.02942

SW3, N 32.25237 W-104.02958

SW4, N 32.25232 W-104.02956











Laboratory Analytical Results Summary  
Length CC 6-7 Fed Com 21H (6/11/19)

		Sample ID	B1	B2	B3
Analyte	Method	Date	10/26/20	10/26/20	10/26/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		224	1060	912
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SW1	SW2	SW3	SW4
Analyte	Method	Date	10/26/20	10/26/20	10/26/20	10/26/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		560	192	176	192
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary  
Oxy, Length CC 6-7 Fed Com 21H 6-11-19

		Sample ID	B2A	B3A
Analyte	Method	Date	11/9/20	11/9/20
			mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		128	128
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0





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

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October 28, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LENGTH CC 6-7 FED COM #21H

Enclosed are the results of analyses for samples received by the laboratory on 10/27/20 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: BOTTOM 1 (H002855-01)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/28/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.9 % 42.2-156

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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: BOTTOM 2 (H002855-02)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/28/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.4 % 42.2-156

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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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: BOTTOM 3 (H002855-03)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/28/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

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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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: SIDEWALL 1 (H002855-04)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/28/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.4 % 42.2-156

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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: SIDEWALL 2 (H002855-05)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/28/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.4 % 42.2-156

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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: SIDEWALL 3 (H002855-06)**

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	10/28/2020	ND	2.10	105	2.00	6.38	
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40	
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36	
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37	
Total BTX	<0.300	0.300	10/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/28/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.6 % 42.2-156

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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:	10/27/2020	Sampling Date:	10/26/2020
Reported:	10/28/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	(6-11-19)	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY CO., NM		

**Sample ID: SIDEWALL 4 (H002855-07)**

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	10/28/2020	ND	2.10	105	2.00	6.38		
Toluene*	<0.050	0.050	10/28/2020	ND	2.04	102	2.00	6.40		
Ethylbenzene*	<0.050	0.050	10/28/2020	ND	1.97	98.4	2.00	7.36		
Total Xylenes*	<0.150	0.150	10/28/2020	ND	5.62	93.6	6.00	7.37		
Total BTX	<0.300	0.300	10/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/28/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2020	ND	224	112	200	3.54	
DRO >C10-C28*	<10.0	10.0	10/28/2020	ND	213	106	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	10/28/2020	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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---

### 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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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

---

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 1)

Company Name: BBC 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 State: NM Zip: 88241				Attn: WADE																						
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																						
Project #: Project Owner: Oxy				City:																						
Project Name: Length CC 6-7 Fed Com 21H (6-11-19)				State: Zip:																						
Project Location: EDDY COUNTY, NM				Phone #:																						
Sampler Name: <u>Roger Hernandez</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(GRAB OR C)COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	CL	BTEX	TPH	EXT								
<u>H002955</u>																										
1	Bottom 1	G	I			I					I		10/26/20	9:05 AM	✓	✓	✓									
2	Bottom 2												10/26/20	9:20 AM	✓	✓	✓									
3	Bottom 3												10/26/20	9:45 AM	✓	✓	✓									
4	Sidewall 1												10/26/20	10:10 AM	✓	✓	✓									
5	Sidewall 2												10/26/20	10:40 AM	✓	✓	✓									
6	Sidewall 3												10/26/20	11:09 AM	✓	✓	✓									
7	Sidewall 4												10/26/20	11:40 AM	✓	✓	✓									

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Relinquished By: <u>Roger Hernandez</u>	Date: <u>10/27/20</u>	Received By: <u>Godi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>10:12</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		<u>RUSH !!</u>	
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other: <u>1.8c / # 113</u>	Sample Condition	CHECKED BY:		
	Cool Intact	Initials		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>GB</u>		
	<input type="checkbox"/> No <input type="checkbox"/> No			

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---

November 13, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LENGTH CC 6-7 FED COM #21H

Enclosed are the results of analyses for samples received by the laboratory on 11/12/20 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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, flowing style.

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:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	( 6-11-19 )	Sample Received By:	Celey D. Keene
Project Location:	OXY - EDDY CO., NM		

**Sample ID: BOTTOM 2 A (H003017-01)**

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	11/13/2020	ND	2.03	101	2.00	3.04	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61	
Total BTEX	<0.300	0.300	11/13/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/13/2020	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	11/13/2020	ND	241	120	200	10.2	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	240	120	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 68.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 65.2 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/13/2020	Sampling Type:	Soil
Project Name:	LENGTH CC 6-7 FED COM #21H	Sampling Condition:	Cool & Intact
Project Number:	( 6-11-19 )	Sample Received By:	Celey D. Keene
Project Location:	OXY - EDDY CO., NM		

**Sample ID: BOTTOM 3 A (H003017-02)**

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	11/13/2020	ND	2.03	101	2.00	3.04		
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.7	2.00	2.63		
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	103	2.00	2.75		
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.86	97.6	6.00	2.61		
Total BTX	<0.300	0.300	11/13/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/13/2020	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	11/13/2020	ND	241	120	200	10.2	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	240	120	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.7 % 42.2-156

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\*=Accredited Analyte

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---

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---

### 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



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USGS Water Resources

Data Category:  
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Groundwater levels for New Mexico

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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

Eddy County, New Mexico  
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

Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1983-02-01		D	47.14				2		U	
1987-10-16		D	51.84				2		U	
1988-02-11		D	52.19				2		U	
1992-10-20		D	51.78				2		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

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

Page Last Modified: 2019-09-25 12:31:42 EDT

0.53   0.5 nadww02

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
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 21308

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 21308
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/20/2021