

Closure Report

2RP-5224

Site Description

Site Name:	Cedar Canyon 28-2 WT Pump
Company:	Oxy Permian
Legal Description:	U/L B, Sec 28, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.19464, W -103.98766

Release Data

Date of Release:	1/17/2019
Type of Release:	Produced Water
Source of Release:	Compromised flange on discharge side of pump
Volume of Release:	12 BBLs
Volume Recovered:	0 BBLs

Remediation Specifications

Remediation Parameters:	Excavated the areas of SP1, SP2, and SP3 to a depth of 1.5 feet, and the areas of SP4, SP5, and SP6 to a depth of 1 foot. Obtained confirmation bottom and sidewall samples every 75 feet. Backfilled the site with clean soil.
Remediation Activities:	2/14/20 to 3/2/20

Plan Sent to OCD:	1/31/2019	E-mail from Kathy Purvis to Robert Hamlet
OCD Approval of Plan:	2/6/2019	E-mail from Robert Hamlet to Cliff Brunson
Plan Sent to BLM:	not required	
BLM Approval of Plan:	not required	

Supporting Documentation

Initial C-141	signed and included
Site Diagram	January, 2019 with excavation depths & confirmation sample points
Pictures	Remediation photos
Lab Summary	Confirmation lab summary for 2-24-20 & 2-26-20
Depth to Groundwater	USGS Info, Groundwater trend map
C-141, page 6	signed and included

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.

3/5/2020

From: [Hamlet, Robert, EMNRD](#)
To: [Kathy Purvis](#)
Cc: [Bratcher, Mike, EMNRD](#); [Venegas, Victoria, EMNRD](#); ["Dittrich, John W"](#); ["Rebecca Moore"](#); ["Cliff Brunson"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#)
Subject: FW: [EXT] Initial C-141 with spill calculations; Cedar Canyon 28-2 WT Pump (30-015-41073) (2RP-5224) 1-17-19
Date: Wednesday, February 6, 2019 11:20:56 AM

RE: **OXY * Cedar Canyon 28-2 WT Pump * DOR: 01/17/2019**

All,

The OCD tracking number for this release event is **2RP-5224**.

Please include our new environmental tech Victoria Venegas Victoria.Venegas@state.nm.us on all future correspondence.

Thank you,

Robert J Hamlet
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 840-5963
Robert.Hamlet@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

From: Bustamante, Amalia, EMNRD
Sent: Wednesday, February 6, 2019 10:30 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Subject: RE: [EXT] Initial C-141 with spill calculations; Cedar Canyon 28-2 WT Pump (1-17-19)

2RP-5224

Amalia Bustamante
Oil Conservation Division-District II

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Thursday, January 31, 2019 10:13 AM

To: Bustamante, Amalia, EMNRD <Amalia.Bustamante@state.nm.us>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>
Subject: FW: [EXT] Initial C-141 with spill calculations; Cedar Canyon 28-2 WT Pump (1-17-19)

From: Kathy Purvis <kathy@bbcinternational.com>
Sent: Thursday, January 31, 2019 9:19 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: 'Dittrich, John W' <Wade_Dittrich@oxy.com>; 'Rebecca Moore' <Rebecca_Moore@oxy.com>; 'Cliff Brunson' <cbrunson@bbcinternational.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>
Subject: [EXT] Initial C-141 with spill calculations; Cedar Canyon 28-2 WT Pump (1-17-19)

Attached are the C-141 and spill calculations for a leak that occurred at the Cedar Canyon 28-2 WT Pump on 1/17/19 in Eddy County, NM. Receipt notification and the RP number via email are greatly appreciated.

Kathy Purvis

BBC International, Inc.
1324 W. Marland Blvd.
Hobbs, NM 88240
Business: (575) 397-6388
Cell: (575) 441-8619
kathy@bbcinternational.com

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

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

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

Incident ID	NAB1903737518
District RP	2RP-5224
Facility ID	
Application ID	pAB1903736499

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)	NAB1903737518
Contact mailing address	PO Box 4294; Houston, TX 77210		

Location of Release Source

Latitude N 32.19464 Longitude W-103.98766
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	CEDAR CANYON 28-2 WT PUMP	Site Type	BATTERY
Date Release Discovered	1/17/19	API# (if applicable)	30-015-41073

Unit Letter	Section	Township	Range	County
B	28	24S	29E	EDDY COUNTY, NM

Surface Owner: State Federal Tribal Private (Name: OXY)

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) 12 BBLS	Volume Recovered (bbls) 0 BBLS
	Is the concentration of total dissolved solids (TDS) 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
COMPROMISED FLANGE ON DISCHARGE SIDE OF PUMP

Form C-141

State of New Mexico
Oil Conservation Division

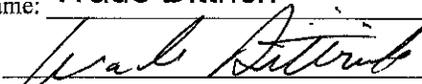
Page 2

Incident ID	NAB1903737518
District RP	2RP-5224
Facility ID	
Application ID	pAB1903736499

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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 Specialist</u> Signature: <u></u> Date: <u>1-29-19</u> email: <u>wade_dittrich@oxy.com</u> Telephone: <u>(575) 390-2828</u>
OCD Only Received by: <u></u> Date: <u>2/06/2019</u>

Oxy, Cedar Canyon 28-2 WT

Leak Date: (1-17-19)
API: 30-015-41073
RP# 2RP-5224

Legend

- █ 1 ft Excavation
- █ 1.5 ft Excavation
- ⬠ Confirmation Sample Points
- ⬠ Leak Area



Google Earth

© 2020 Google

100 ft

Oxy, Cedar Canyon 28-2 WT Pump

Sample points

BS1, N 32.19491 W-103.98774

BS2, N 32.19480 W-103.98748

BS3, N 32.19474 W-103.98766

BS4, N 32.19465 W-103.98738

BS5, N 32.19449 W-103.98746

BS6, N 32.19438 W-103.98761

SW1, N 32.19467 W-103.98729

SW2, N 32.19447 W-103.98744

SW3, N 32.19434 W-103.98771

SW4, N 32.19461 W-103.98745

SW5, N 32.19477 W-103.98769

SW6, N 32.19489 W-103.98759



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National Water Information System: Web Interface

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Data Category: Geographic Area:

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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

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 measurement
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: 2019-02-04 13:03:28 EST

0.52 0.44 nadww01









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

February 26, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 -2 CTB WT

Enclosed are the results of analyses for samples received by the laboratory on 02/25/20 8:25.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 1 (H000579-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	608	16.0	02/25/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.9 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 2 (H000579-02)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	304	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND						

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.1 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 3 (H000579-03)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	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	464	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND						

Surrogate: 1-Chlorooctane 91.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.4 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 4 (H000579-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	528	16.0	02/25/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/25/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/25/2020	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.2 % 42.2-156

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* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 5 (H000579-05)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	384	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND						

Surrogate: 1-Chlorooctane 90.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 6 (H000579-06)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	352	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND						

Surrogate: 1-Chlorooctane 87.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.6 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 1 (H000579-07)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	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	288	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND						

Surrogate: 1-Chlorooctane 90.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.3 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 2 (H000579-08)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND						

Surrogate: 1-Chlorooctane 90.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.0 % 42.2-156

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Analytical Results For:

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

Received:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 3 (H000579-09)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	576	16.0	02/25/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 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
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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 4 (H000579-10)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42		
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33		
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35		
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32		
Total BTEX	<0.300	0.300	02/25/2020	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	352	16.0	02/25/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76		
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73		
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND						

Surrogate: 1-Chlorooctane 92.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.7 % 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:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 5 (H000579-11)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	176	16.0	02/25/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

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Analytical Results For:

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

Received:	02/25/2020	Sampling Date:	02/24/2020
Reported:	02/26/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: SIDEWALL 6 (H000579-12)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2020	ND	1.95	97.4	2.00	3.42	
Toluene*	<0.050	0.050	02/25/2020	ND	1.94	97.2	2.00	3.33	
Ethylbenzene*	<0.050	0.050	02/25/2020	ND	1.96	98.0	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/25/2020	ND	5.79	96.4	6.00	2.32	
Total BTEX	<0.300	0.300	02/25/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	02/25/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/26/2020	ND	200	99.9	200	2.76	
DRO >C10-C28*	<10.0	10.0	02/26/2020	ND	197	98.6	200	4.73	
EXT DRO >C28-C36	<10.0	10.0	02/26/2020	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.9 % 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".

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

1 of 2

Company Name: BBC International, Inc.		BILL TO		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:		Company:			
Address: P.O. Box 805		Attn:		Attn:			
City: Hobbs		State: NM		Zip: 88241			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:			
Project #:		Project Owner: Oxy		City:			
Project Name: Cedar Canyon 28-2 CTB WT		State:		Zip:			
Project Location: Eddy County, NM		Phone #:		Phone #:			
Sampler Name: Roger Hernandez		Fax #:		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		DATE	
H000579						TIME	
1 Bottom		✓		✓		2.24.20 1130	
2 Bottom		✓		✓		2.24.20 1145	
3 Bottom		✓		✓		2.24.20 1200	
4 Bottom		✓		✓		2.24.20 1230	
5 Bottom		✓		✓		2.24.20 1245	
6 Bottom		✓		✓		2.24.20 1300	
7 SIDEWALL		✓		✓		2.24.20 115	
8 SIDEWALL		✓		✓		2.24.20 130	
9 SIDEWALL		✓		✓		2.24.20 145	
10 SIDEWALL		✓		✓		2.24.20 200	

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Relinquished By: <i>[Signature]</i>	Date: 2.25.20	Time: 0825	Received By: <i>[Signature]</i>	Date: 2.25.20	Time: 0825
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-9.5c #113</i>	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>to</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS: <i>RUSH !!</i>			Add'l Phone #: Add'l Fax #:		

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



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

February 28, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 28 -2 CTB WT

Enclosed are the results of analyses for samples received by the laboratory on 02/27/20 8:15.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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:	02/27/2020	Sampling Date:	02/26/2020
Reported:	02/28/2020	Sampling Type:	Soil
Project Name:	CEDAR CANYON 28 -2 CTB WT	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

Sample ID: BOTTOM 1 (H000628-01)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2020	ND	2.00	99.9	2.00	4.28		
Toluene*	<0.050	0.050	02/27/2020	ND	2.02	101	2.00	4.10		
Ethylbenzene*	<0.050	0.050	02/27/2020	ND	2.03	101	2.00	4.11		
Total Xylenes*	<0.150	0.150	02/27/2020	ND	5.89	98.1	6.00	4.15		
Total BTEX	<0.300	0.300	02/27/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	240	16.0	02/27/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/28/2020	ND	216	108	200	2.60		
DRO >C10-C28*	<10.0	10.0	02/28/2020	ND	241	121	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	02/28/2020	ND						

Surrogate: 1-Chlorooctane 78.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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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

Cardinal Laboratories

*=Accredited Analyte

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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

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 Attn:
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:
 Project #: Project Owner: Oxy City:
 Project Name: Cedar Canyon 28-2 CTB WT State: Zip:
 Project Location: Eddy County, NM Phone #:
 Sampler Name: Roger Hernandez Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH	EXT	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
H000628	BATTEN 1	C	1			<input checked="" type="checkbox"/>											

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Relinquished By: *[Signature]* Date: 2-26-20 Received By: *[Signature]* Date: 2-27-20
 Time: 1:00 PM Time: 1:00 PM
 Relinquished By: *[Signature]* Date: 2-27-20 Received By: *[Signature]* Date: 2-27-20
 Time: 1:00 PM Time: 1:00 PM
 Delivered By: (Circle One) 8:15
 Sampler - UPS - Bus - Other: 6.8°C #113
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: (Initials) *HS*

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

REMARKS: *Rush!*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	
District RP	2RP-5224
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: 3-4-2020
 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: _____