

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	NRM2012536459
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: *Wade Dittrich* Date: 3-24-22
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Robert Hamlet Date: 4/25/2022

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: *Robert Hamlet* Date: 4/25/2022
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Closure Report

NRM2012536459

Site Description

Site Name:	SAND DUNES S. CORRIDOR CTB
Company:	OXY
Legal Description:	U/L: B, SECTION 18, T24S, R31E
County:	EDDY COUNTY, NM
GPS Coordinates:	N32.22401 W103.81279

Release Data

Date of Release:	3/9/2020
Type of Release:	PRODUCED WATER
Source of Release:	CORROSION
Volume of Release:	0 BBLs CRUDE OIL/ 8 BBLs PRODUCED WATER
Volume Recovered:	0 BBLs CRUDE OIL/ 0 BBLs PRODUCED WATER

Remediation Specifications

Remediation Parameters	Oxy will excavate the spill area as depicted in site diagram. Leak area SP1 & SP3 (orange shade) excavate to depth of 1 foot. Leak area near SP2, SP4 & SP5 (light blue shade) will zero remediation. Sidewall and bottom confirmation samples every 200 sq. feet. Estimated amount of soil to be excavated is 30 cubic yards.
Remediation Activities:	8-24-21, 9-14-21

Plan Sent to OCD:	5/3/2020	FROM CLIFF TO BLM NM AND WADE
OCD Approval of Plan:	6/16/2021	FROM @STATE.NM.US TO WADE AND CLIFF
Plan Sent to BLM:	6/30/2020	FROM CLIFF TO SPILL@BLM AND WADE
BLM Approval of Plan:	2/16/2021	FROM JAMOS@BLM.GOV TO WADE AND CLIFF

Supporting Documentation

C 141 PAGE 6	SIGNED	
SITE DIAGRAM	GOOGLE EARTH MAP WITH CONFIRMATION SAMPLES	
PICTURES	CLOSURE PICTURES	
LAB SUMMARY	CLOSURE SAMPLES	
LAB ANALYSIS	CLOSURE SAMPLES	
Sample Notification	8/23/2021	

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.

3/25/2022

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Printed Name: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 3-24-22
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

julia@bbcinternational.com

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Monday, August 23, 2021 5:53 PM
To: 'Enviro, OCD, EMNRD'
Cc: 'Wade Dittrich'; Ken Swinney; 'Jennifer Gilkey'; Julia French
Subject: OXY - Sand Dunes South Corridor CTB - Sampling Notification

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Sand Dunes South Corridor CTB (Incident ID # nRM2012536459) on Wednesday, August 25 at 9:00 a.m.

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



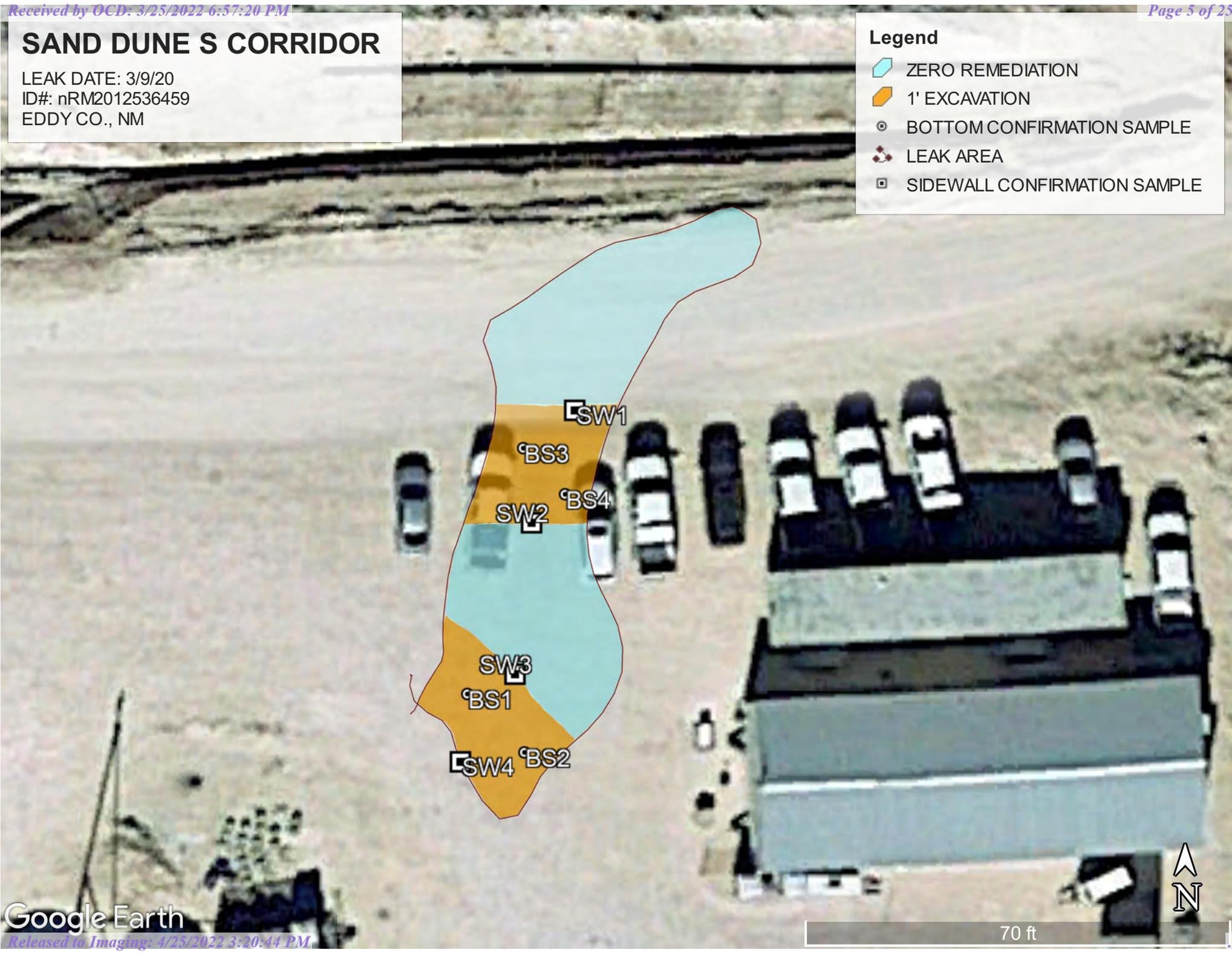
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SAND DUNE S CORRIDOR

LEAK DATE: 3/9/20
ID#: nRM2012536459
EDDY CO., NM

Legend

-  ZERO REMEDIATION
-  1' EXCAVATION
-  BOTTOM CONFIRMATION SAMPLE
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE



SAND DUNES S CORRIDOR (3-9-20)

SW1	N32.224055	W-103.812780
SW2	N32.224005	W-103.812802
SW3	N32.223938	W-103.812811
SW4	N32.223899	W-103.812839
BS 1 @ 1'	N32.223929	W-103.812836
BS 2 @ 1'	N32.223903	W-103.812806
BS 3 @ 1'	N32.224038	W-103.812807
BS4 @ 1'	N32.224017	W-103.812785

		Sample ID	BOTTOM 1 @ 1'	BOTTOM 2 @ 1'	BOTTOM 3 @ 1'	BOTTOM 4 @ 1'
Analyte	Method	Date	8/25/21	8/25/21	8/30/21	8/30/21
			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		16.0	32.0	80.0	48.0
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

		Sample ID	SW1	SW 2	SW 3	SW 4
Analyte	Method	Date	8/25/21	8/25/21	8/25/21	8/25/21
			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		<16.0	<16.0	<16.0	<16.0
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



SAND DUNES S. CORRIDOR CTB
3/9/2020





SAND DUNES S. CORRIDOR CTB
3/9/2020



SAND DUNES S. CORRIDOR CTB
3/9/2020





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

August 30, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SAND DUNES S CORRIDOR CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/26/21 9:30.

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.

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:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: BOTTOM 1 @ 1' (H212299-01)

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	08/28/2021	ND	2.03	102	2.00	1.31	
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26	
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18	
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82	
Total BTEX	<0.300	0.300	08/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12	
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71	
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.9 % 38.9-142

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:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: BOTTOM 2 @ 1' (H212299-02)

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	08/28/2021	ND	2.03	102	2.00	1.31	
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26	
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18	
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82	
Total BTEX	<0.300	0.300	08/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12	
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71	
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.6 % 38.9-142

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:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SIDEWALL 1 (H212299-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2021	ND	2.03	102	2.00	1.31	
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26	
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18	
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82	
Total BTEX	<0.300	0.300	08/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12	
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71	
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.5 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SIDEWALL 2 (H212299-04)

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	08/28/2021	ND	2.03	102	2.00	1.31		
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26		
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18		
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82		
Total BTEX	<0.300	0.300	08/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12		
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71		
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND						

Surrogate: 1-Chlorooctane 72.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.5 % 38.9-142

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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:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SIDEWALL 3 (H212299-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2021	ND	2.03	102	2.00	1.31	
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26	
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18	
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82	
Total BTEX	<0.300	0.300	08/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12	
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71	
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.8 % 38.9-142

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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:	08/26/2021	Sampling Date:	08/25/2021
Reported:	08/30/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SIDEWALL 4 (H212299-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2021	ND	2.03	102	2.00	1.31		
Toluene*	<0.050	0.050	08/28/2021	ND	2.05	102	2.00	5.26		
Ethylbenzene*	<0.050	0.050	08/28/2021	ND	1.97	98.7	2.00	5.18		
Total Xylenes*	<0.150	0.150	08/28/2021	ND	5.99	99.9	6.00	3.82		
Total BTEX	<0.300	0.300	08/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/30/2021	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	08/30/2021	ND	191	95.4	200	8.12		
DRO >C10-C28*	<10.0	10.0	08/30/2021	ND	191	95.6	200	5.71		
EXT DRO >C28-C36	<10.0	10.0	08/30/2021	ND						

Surrogate: 1-Chlorooctane 71.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:			
Project Manager: Cliff Brunson		Company:			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:		OXY	
State: NM zip: 88241		City:			
Phone #: 575-397-6388		State:		zip:	
Fax #: 575-397-0397		Phone #:			
Project #: SAND DUNES S CORRIDOR RTB		Project Owner: Oxy			
Project Name: SAND DUNES S CORRIDOR RTB		State:		zip:	
Project Location:		Phone #:			
Sampler Name: Roger Hernandez		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV	
		GROUNDWATER		ACID/BASE:	
		WASTEWATER		ICE / COOL	
		SOIL		OTHER :	
		OIL			
		SLUDGE			
		OTHER :			
		# CONTAINERS		DATE	
		(G)RAB OR (C)OMP.		TIME	
Lab I.D. H212399		1 Bottom 1 0 1'		8:25:21 9:00	
		2 Bottom 2 0 1'		8:25:21 9:10	
		3 Sidewall 1		8:25:21 9:20	
		4 Sidewall 2		8:25:21 9:30	
		5 Sidewall 3		8:25:21 9:40	
		6 Sidewall 4		8:25:21 9:50	
				TPH	
				BTEX	
				CL-	

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Relinquished By: *Roger Hernandez* Date: 8.25.21 Time: 9:00
 Received By: *Sam Hanna*

Relinquished By: *Sam Hanna* Date: 8.26.21 Time: 9:00
 Received By: *Sam Hanna*

Delivered By: (Circle One) *Sam Hanna* Date: 8.26.21 Time: 9:30
 Received By: *Sam Hanna*

Sampler - UPS - Bus - Other: *-0.8c #113*

Sample Condition: Cool Intact

Checked By: *Sam Hanna*

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

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



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

September 07, 2021

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

RE: SAND DUNES S CORRIDOR CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/01/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:	09/01/2021	Sampling Date:	08/30/2021
Reported:	09/07/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: BOTTOM 3 @ 1' (H212380-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/02/2021	ND	1.98	99.2	2.00	1.48	
Toluene*	<0.050	0.050	09/02/2021	ND	1.97	98.6	2.00	4.08	
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	7.63	
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.15	103	6.00	7.70	
Total BTEX	<0.300	0.300	09/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/02/2021	ND	416	104	400	3.77	

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	09/02/2021	ND	188	94.2	200	2.57	
DRO >C10-C28*	<10.0	10.0	09/02/2021	ND	203	101	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	09/02/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.9 % 38.9-142

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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:	09/01/2021	Sampling Date:	08/30/2021
Reported:	09/07/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: BOTTOM 4 @ 1' (H212380-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/02/2021	ND	1.98	99.2	2.00	1.48		
Toluene*	<0.050	0.050	09/02/2021	ND	1.97	98.6	2.00	4.08		
Ethylbenzene*	<0.050	0.050	09/02/2021	ND	2.00	100	2.00	7.63		
Total Xylenes*	<0.150	0.150	09/02/2021	ND	6.15	103	6.00	7.70		
Total BTEX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/02/2021	ND	432	108	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	09/02/2021	ND	188	94.2	200	2.57		
DRO >C10-C28*	<10.0	10.0	09/02/2021	ND	203	101	200	2.48		
EXT DRO >C28-C36	<10.0	10.0	09/02/2021	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: SAND DUMPS S. OVERLOOK CTB
 Project Location:
 Sampler Name:
 P.O. #: Company:
 Attn: Address: Oxy
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H012388	1 BOTTOM SOIL		2							8-30-21	9:15			
	2 BOTTOM SOIL		1							8-30-21	9:15			

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Relinquished By: [Signature] Date: 8-31-21 Received By: [Signature] Date: 9-1-21
 Relinquished By: [Signature] Date: 9-1-21 Received By: [Signature] Date: 9-1-21
 Delivered By: (Circle One) [Signature] Time: 1:30
 Sampler - UPS - Bus - Other: 1.7e #113

Sample Condition: Yes No
 Cool Intact: Yes No
 CHECKED BY: [Signature] (Initials) [Signature]

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:

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

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 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 93245

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 93245
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2012536459 SAND DUNES SOUTH CORRIDOR CTB, thank you. This closure is approved. If confirmation sample results are not included on closure report for "Zero Remediation" sample locations in the future, the closure report will be denied. All sample locations within the release boundary must be identified and data needs to be included in the report.	4/25/2022