

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

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:  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.
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Remediation Activities:	8-24-21, 9-14-21
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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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Page 6

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Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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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: _____

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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








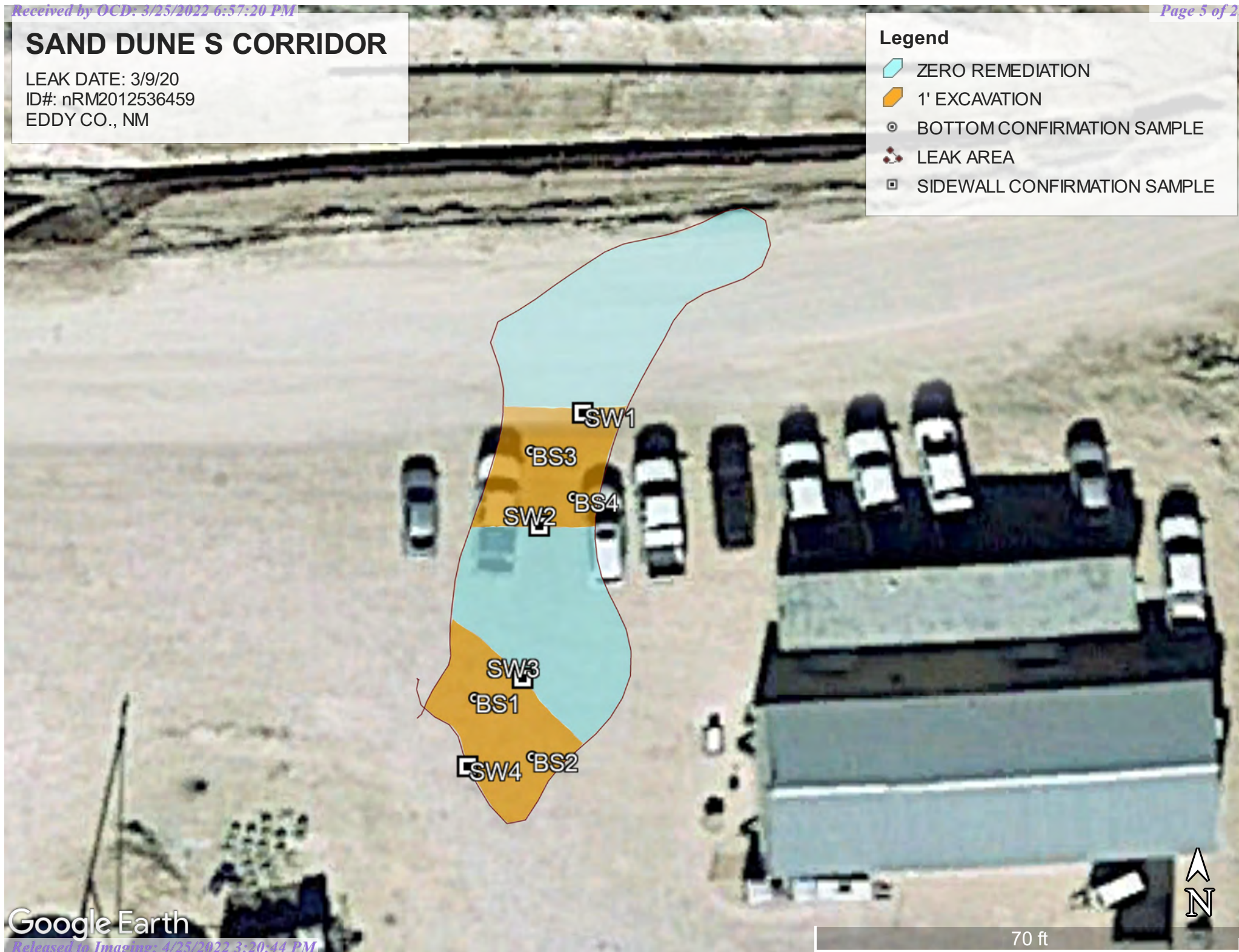
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SAND DUNE S CORRIDOR

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". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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)

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	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 BTX	<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

Cardinal Laboratories

*=Accredited Analyte

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	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)

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	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 BTX	<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



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

Caley D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																			
Project Manager: Cliff Brunson		P.O. #:																					
Address: P.O. Box 805		Company:																					
City: Hobbs		Attn:																					
State: NM Zip: 88241		Address:																					
Phone #: 575-397-6388		City:																					
Fax #: 575-397-0397		State:																					
Project #: Project Owner: Oxy		Zip:																					
Project Name: SAND DUNES S CORRIDOR RTB		Phone #:																					
Project Location:		Fax #:																					
Sampler Name: Roger Hernandez																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING															
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :			
				# CONTAINERS																			
				(G)RAB OR (C)OMP.																			
1 Bottom 101'		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
2 Bottom 201'		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
3 Sidewall 1		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
4 Sidewall 2		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
5 Sidewall 3		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
6 Sidewall 4		G 1		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓	
DATE		TIME																					
8-25-21 9:00																							
8-25-21 9:10																							
8-25-21 9:20																							
8-25-21 9:30																							
8-25-21 9:40																							
8-25-21 9:50																							
REINQUISHED BY: Roger Hernandez		Date: 8-26-21		Received By: Daniel Hana		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:															
Relinquished By: Daniel Hana		Time: 9:00				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:															
Delivered By: (Circle One) Daniel Hana		Date: 8-26-21		Received By: Daniel Hana		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials)															
Sampler - UPS - Bus - Other: - O.R. #113		Time: 9:30																					

† 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". 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:	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)

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	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 BTX	<0.300	0.300	09/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. 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 PILES S. CONCRETE CTB Project Location: Sampler Name:										BILL TO P.O. #: Company: Attn: Address: OXY City: State: Zip: Phone #: Fax #:										ANALYSIS REQUEST									
FOR LAB USE ONLY Lab I.D. Sample I.D. Project Name: SAND PILES S. CONCRETE CTB Project Location: Sampler Name:										FOR LAB USE ONLY Lab I.D. Sample I.D. Project Name: SAND PILES S. CONCRETE CTB Project Location: Sampler Name:										FOR LAB USE ONLY Lab I.D. Sample I.D. Project Name: SAND PILES S. CONCRETE CTB Project Location: Sampler Name:									
PLEASE NOTE: Liability and Damages. Customer'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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise.										Relinquished By: <i>[Signature]</i> Date: 8-31-21 Received By: <i>[Signature]</i> Date: 8-31-21 Relinquished By: <i>[Signature]</i> Date: 8-31-21 Received By: <i>[Signature]</i> Date: 8-31-21 Delivered By: (Circle One) <i>[Signature]</i> Date: 8-31-21 Received By: <i>[Signature]</i> Date: 8-31-21 Sampler - UPS - Bus - Other: <i>[Signature]</i> Date: 8-31-21 Received By: <i>[Signature]</i> Date: 8-31-21										REMARKS:									

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 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