

Closure Report

INCIDENT ID # nSEB0900840294

Site Description

Site Name:	NAGOOOLTEE PEAK 5 FEDERAL 001
Company:	Oxy USA, Inc.
Legal Description:	U/ L J, S 5, TS 22S, 24 E
County:	EDDY
GPS Coordinates:	32.41688, -104.51740

Release Data

Date of Release:	7/18/2008
Type of Release:	Oil & Producted Water
Source of Release:	ESD Vessel
Volume of Release:	6 bbls oil, 72 bbls produced water
Volume Recovered:	2 bbls oil, 35 bbls produced water

Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but no paperwork existed for verification therefore, OXY performed confirmation sampling to verify remediation limits had been met. The enclosed site diagram depicts the spill area, excavation depths, and the confirmation sample points. OXY collected sidewall and bottom confirmation samples every 200 square feet .	
Remediation Activities:		
Plan Sent to OCD:		
OCD Approval of Plan:		
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Closure photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report	
Notifications	7/25/2022	

Request for Closure

Based on the completion of the remediation plan, OXY requests closure approval from NMOCD.

Cliff P. Brunson
President, BBC International, Inc.

10/25/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nSEB0900840294
District RP	
Facility ID	
Application ID	

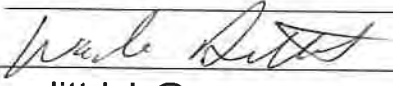
Closure

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: 8-30-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: OCD Date: 10/25/2022

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:  Date: 2/21/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

From: [Cliff Brunson](#)
To: ["Enviro. OCD, EMNRD"](#)
Cc: ["Wade Dittich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#)
Subject: OXY - Nagooltee Peak 5 Federal 001 (nSEB0900840294) - Sampling Confirmation
Date: Monday, July 25, 2022 6:36:00 PM

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Nagooltee Peak 5 Federal 001 (nSEB0900840294) (7/18/08) on Wednesday , July 27, 2022 at 1:30 p.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
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E-Mail: cbrunson@bbcinternational.com







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OXY -NAGOOLTEE PEAK 5 FEDERAL 001

LEAK DATE 7/18/08
EDDY CO , NM
ID#SEB0900840294

Legend

-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS
-  4 FT EXCAVATION



NAGOOOLTEE PEAK 5 FEDERAL 001

(7/18/09)

SAMPLE

BS 1 @ 4'	N32.41688	W-104.51740
BS 2 @ 4'	N32.41681	W-104.51743
BS 3 @ 4'	N32.41676	W-104.51738
BS 4 @ 4'	N32.41672	W-104.51726
BS 5 @ 4'	N32.41668	W-104.51722
BS 6 @ 4'	N32.41665	W-104.51718
BS 7 @ 4'	N32.41666	W-104.51718
BS 8 @ 4'	N32.41659	W-104.51705

SW 1	N32.41690	W-104.51740
SW 2	N32.41679	W-104.51773
SW 3	N32.41674	W-104.51319
SW 4	N32.41671	W-104.51734
SW 5	N32.41667	W-104.51712
SW 6	N32.41655	W-104.51786

	Sample ID	BS 1 @ 4'	BS 2 @ 4'	BS 3 @ 4'	BS 4 @ 4'	BS 5 @ 4'	BS 6 @ 4'	BS 7 @ 4'	BS 8 @ 4'
Analyte	Date	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		48.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6
Analyte	Date	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22	7/27/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.0150	<0.0150	<0.0150	<0.0150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		<16.0	<16.0	16.0	<16.0	<16.0	<16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



OXY – NAGOOLTEE PEAK 5 FEDERAL 001 (7/18/08)





OXY – NAGOOLTEE PEAK 5 FEDERAL 001 (7/18/08)





OXY – NAGOOLTEE PEAK 5 FEDERAL 001 (7/18/08)





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

August 02, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NAGOOLTEE PEAK #5

Enclosed are the results of analyses for samples received by the laboratory on 07/28/22 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 1 @ 4' (H223346-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	1.99	99.3	2.00	11.9	
Toluene*	<0.050	0.050	08/01/2022	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.16	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.64	111	6.00	12.4	
Total BTEX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/01/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 114 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To: (575) 397-0397

Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 2 @ 4' (H223346-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	1.99	99.3	2.00	11.9	
Toluene*	<0.050	0.050	08/01/2022	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.16	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.64	111	6.00	12.4	
Total BTX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 3 @ 4' (H223346-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	1.99	99.3	2.00	11.9		
Toluene*	<0.050	0.050	08/01/2022	ND	2.09	104	2.00	12.1		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.16	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.64	111	6.00	12.4		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 4 @ 4' (H223346-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	1.99	99.3	2.00	11.9	
Toluene*	<0.050	0.050	08/01/2022	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.16	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.64	111	6.00	12.4	
Total BTX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 113 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 5 @ 4' (H223346-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	1.99	99.3	2.00	11.9	
Toluene*	<0.050	0.050	08/01/2022	ND	2.09	104	2.00	12.1	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.16	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.64	111	6.00	12.4	
Total BTEx	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOOTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 6 @ 4' (H223346-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3	
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2	
Total BTX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 7 @ 4' (H223346-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 8 @ 4' (H223346-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	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	<16.0	16.0	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2022	ND	203	101	200	1.47	
DRO >C10-C28*	<10.0	10.0	08/02/2022	ND	209	105	200	0.568	
EXT DRO >C28-C36	<10.0	10.0	08/02/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 116 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 (H223346-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 62.6 % 43-149

Surrogate: 1-Chlorooctadecane 71.9 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 (H223346-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 56.5 % 43-149

Surrogate: 1-Chlorooctadecane 65.0 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOTTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 (H223346-11)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3	
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2	
Total BTX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 57.1 % 43-149

Surrogate: 1-Chlorooctadecane 65.8 % 42.5-161

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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:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 (H223346-12)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3	
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2	
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1	
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2	
Total BTX	<0.300	0.300	08/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 43-149

Surrogate: 1-Chlorooctadecane 82.0 % 42.5-161

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Analytical Results For:

BBC International, Inc.
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 Fax To: (575) 397-0397

Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 (H223346-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.0 % 42.5-161

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	07/28/2022	Sampling Date:	07/27/2022
Reported:	08/02/2022	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK #5	Sampling Condition:	Cool & Intact
Project Number:	FEDERAL 001 (7/18/08)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 (H223346-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2022	ND	2.05	102	2.00	10.3		
Toluene*	<0.050	0.050	08/01/2022	ND	2.15	107	2.00	11.2		
Ethylbenzene*	<0.050	0.050	08/01/2022	ND	2.20	110	2.00	11.1		
Total Xylenes*	<0.150	0.150	08/01/2022	ND	6.73	112	6.00	11.2		
Total BTEx	<0.300	0.300	08/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	08/01/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	198	99.0	200	0.380	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	209	105	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 64.5 % 43-149

Surrogate: 1-Chlorooctadecane 74.6 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company: Oxy																			
City: Hobbs										Attn:																			
Phone #: 575-397-6388										Address:																			
State: NM Zip: 88241																													
Project #:										City:																			
Project Name: NAGGOOLTEE PEAK 5 FEDERAL 001 (7/18/08)										State: Zip:																			
Project Location: New Mexico										Phone #:																			
Sample Name: SIMON										Fax #:																			
FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																			
H23346										BOTTOM SAMPLE 1 @ 4'										11:15AM									
2										BOTTOM SAMPLE 2 @ 4'										11:33AM									
3										BOTTOM SAMPLE 3 @ 4'										11:51AM									
4										BOTTOM SAMPLE 4 @ 4'										12:10PM									
5										BOTTOM SAMPLE 5 @ 4'										12:28PM									
6										BOTTOM SAMPLE 6 @ 4'										12:49PM									
7										BOTTOM SAMPLE 7 @ 4'										1:10PM									
8										BOTTOM SAMPLE 8 @ 4'										1:32PM									
9										SIDEWALL 1										1:50PM									
10										SIDEWALL 2										2:12PM									
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Reinquinished By:										Date: 7-28-22										Time: 8:00PM									
Reinquinished By:										Date: 7-28-22										Time: 8:00PM									
Delivered By: (Circle One)										Received By:										Sample Condition									
Sampler - UPS - Bus - Other:										Cool										Intact									
										Yes										Yes									
										No										No									
										CHECKED BY:										(Initials)									
										REMARKS:																			
										Phone Result:										Fax Result:									
										Add'l Phone #:										Add'l Fax #:									



ARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO															
Project Manager: Cliff Brunson		Company: Oxy		ANALYSIS REQUEST															
Address: P.O. Box 805		Attn:																	
City: Hobbs		Address:																	
Phone #: 575-397-6388		State: NM Zip: 88241																	
Fax #: 575-397-0397		City:																	
Project #:		State:																	
Project Name: NAGGOL TEE PEAK 5 FEDERAL 001 (7/18/08)		Zip:																	
Project Location: New Mexico		Phone #:																	
Sample Name: SIMON		Fax #:																	
FOR LAB USE ONLY		PRESERV		SAMPLING															
Lab I.D.		Sample I.D.		MATRIX		DATE		TIME											
H223346		SIDEWALL 3		(G)RAB OR (C)OMP.		7/27/22		2:24PM		Chloride									
11		SIDEWALL 4		# CONTAINERS		7/27/22		2:40PM		BTX									
12		SIDEWALL 5		GROUNDWATER		7/27/22		3:05PM		TPH/EXT									
13		SIDEWALL 6		WASTEWATER		7/27/22		3:21PM											
14				SOIL															
				OIL															
				SLUDGE															
				OTHER :															
				ACID/BASE:															
				ICE / COOL															
				OTHER :															
Relinquished By:		Date: 7/28/22		Received By:		Date: 7/28/22		Time: 8:00 AM											
Relinquished By: [Signature]		Time: 8:00 AM		Received By: [Signature]		Time: 8:00 AM		Sample Condition:											
								Cool Intact											
								Yes Yes											
								No No											
Delivered By: (Circle One)		-9.8°C		-9.8°C		-9.8°C		CHECKED BY:											
Sampler - UPS - Bus - Other:		-10.4°C		-10.4°C		-10.4°C		(Initials)											

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

District I
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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 153704

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 153704
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/21/2023