

# Closure Report

## INCIDENT ID # nHMP1411843120

### Site Description

Site Name:	BIG WALT 2 STATE #4Q
Company:	Oxy USA, Inc.
Legal Description:	UL D, S 2, TS 22S ,R 24 E
County:	EDDY
GPS Coordinates:	32.4263 ,-104.4745

### Release Data

Date of Release:	3/18/2014
Type of Release:	Produced Water
Source of Release:	3" Steel Flow Line
Volume of Release:	10 bbls
Volume Recovered:	0 bbls

### 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 for	
Notifications		

### Request for Closure

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

Cliff P. Brunson  
President, BBC International, Inc.

9/16/2022

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	nHMP1411843120
District RP	
Facility ID	
Application ID	

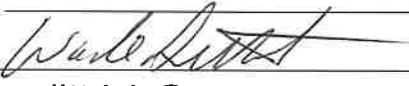
## Closure

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

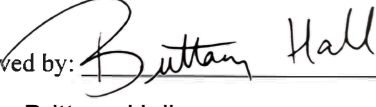
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: 8-31-22  
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: 1/19/2023  
Printed Name: Brittany Hall Title: Environmental Specialist



# OXY- BIG WALT 2 ST. 4Q

LEAK DATE (3-18-14)  
EDDY CO ,NM  
ID # nHMP1411843120

## Legend

- BOTTOM CONFIRMATION SAMPLE POINTS
- LEAK AREA
- ▲ SIDEWALL CONFIRMATION SAMPLE POINTS
- 1FT EXCAVATION



Google Earth



70 ft

BIG WALT 2 ST 4Q (3/18/14)

SAMPLE DATE 7/13/22

BS 1 @1'	N 32.42627	W-104.47463
BS 2 @1'	N 32.42625	W-104.47471
BS 3 @1'	N 32.42620	W-104.47481
BS 4 @1'	N 32.42609	W-104.47488
BS 5 @1'	N32.42600	W-104.47492
BS 6 @1'	N32.42600	W-104.47497
BS 7 @1'	N32.42596	W-104.47497
BS 8 @1'	N32.42600	W-104.47506

SW 1	N32.42626	W-104.47461
SW 2	N32.42607	W-104.47490
SW 3	N32.42603	W-104.47506

	Sample ID	BS 1 @ 1'	BS 2 @ 1'	BS 3 @ 1'	BS 4 @ 1'	BS 5 @ 1'	BS 6 @ 1'	BS 7 @ 1'	BS 8 @ 1'
Analyte	Date	7/13/22	7/13/22	7/13/22	7/13/22	7/13/22	7/13/22	7/13/22	7/13/22
		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		16.0	16.0	16.0	32.0	16.0	32.0	16.0	32.0
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
Analyte	Date	7/13/22	7/13/22	7/13/22
		mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300
Chloride		16.0	16.0	16.0
GRO		<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0





OXY – BIG WALT 2 STATE #4Q (3/18/14)





OXY – BIG WALT 2 STATE #4Q (3/18/14)





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

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July 22, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BIG WALT 2 ST 4Q (3/18/14)

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 16:40.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 1 @ 1' (H223120-01)**

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 2 @ 1' (H223120-02)**

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 3 @ 1' (H223120-03)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 4 @ 1' (H223120-04)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 69.4 % 43-149

Surrogate: 1-Chlorooctadecane 70.1 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 5 @ 1' (H223120-05)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 6 @ 1' (H223120-06)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 65.1 % 43-149

Surrogate: 1-Chlorooctadecane 66.5 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 7 @ 1' (H223120-07)**

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTX	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.7 % 42.5-161

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: BOTTOM SAMPLE 8 @ 1' (H223120-08)**

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	07/21/2022	ND	2.07	104	2.00	2.92	
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31	
Total BTEx	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 42.5-161

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\*=Accredited Analyte

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: SW 1 (H223120-09)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 43-149

Surrogate: 1-Chlorooctadecane 87.9 % 42.5-161

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: SW 2 (H223120-10)**

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	07/21/2022	ND	2.07	104	2.00	2.92		
Toluene*	<0.050	0.050	07/21/2022	ND	2.18	109	2.00	2.66		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	2.81		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.81	114	6.00	3.31		
Total BTEx	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 68.6 % 43-149

Surrogate: 1-Chlorooctadecane 68.3 % 42.5-161

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Mike Snyder For 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:	07/18/2022	Sampling Date:	07/13/2022
Reported:	07/22/2022	Sampling Type:	Soil
Project Name:	BIG WALT 2 ST 4Q (3/18/14)	Sampling Condition:	Cool & Intact
Project Number:	NEW MEXICO	Sample Received By:	Tamara Oldaker
Project Location:			

**Sample ID: SW 3 (H223120-11)**

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	07/20/2022	ND	1.94	97.0	2.00	1.70		
Toluene*	<0.050	0.050	07/20/2022	ND	2.17	109	2.00	0.518		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.11	105	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.66	111	6.00	1.28		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/20/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2022	ND	233	116	200	21.0	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	231	115	200	29.3	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 64.3 % 43-149

Surrogate: 1-Chlorooctadecane 62.8 % 42.5-161

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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 "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager







## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

**District I**  
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**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 145442

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 145442
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/19/2023