# **Closure Report**

	Site Description
Site Name:	State DW #010
Company:	Oxy Permian
Legal Description:	U/L J, Section 12, T18S, R33E
County:	Lea County, NM
GPS Coordinates:	N 32.76109° W 103.61531°

# **Release Data**

Date of Release:	07/13/2016
Type of Release:	Oil and produced water
Source of Release:	Corrosion of 3" steel production flow line
Volume of Release:	3 bbls oil, 7 bbls produced water
Volume Recovered:	4 bbls

Remediation Specifications							
Remediation Parameters:	Excavate to a depth of 2.5 feet in the areas of SP1 and SP2. In the area of SP3, excavate to a depth of 4.5 feet. Backfill the site with clean soil.						
Remediation Activities:	10/17/2016 to 1	0/21/2016					
Plan Sent to OCD:	09/23/2016	Email from Cliff Brunson to Kristen Lynch					
OCD Approval of Plan:	09/27/2016	Email from Kristen Lynch to Cliff Brunson					
Plan Sent to BLM:	n/a	n/a					
BLM Approval of Plan:	n/a	n/a					

	Supporting Documentation
Initial C-141	Signed 07/18/2016
Final C-141	Signed 10/25/2016
Site Diagram	July 2016
Groundwater Plot	125'
TOPO Maps	July 2016
Lab Summary	07/21/2016 and 08/03/2016
Lab Analysis	07/21/2016 and 08/03/2016
Correspondence	Request and approval of remediation plan via email

# **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.

10/25/2016

District I 1625 N. French Dr., Hobbs, NM 883 District II District III 1000 Rio Brazos Road, Aztec, NM 8 District I 1625 N. French Dr., Hobbs, NM 88240 1000 Distri 1220

State of New Mexico **Energy Minerals and Natural Resources** 

District III 000 Rio Brazos Road, Aztec, NM 87 <u>District IV</u> 220 S. St. Francis Dr., Santa Fe, NM		1220	South	vation Div St. France, NM 875	is Dr.	Submit	l Copy ac	to appropri cordance wi	ate Dis ith 19.1	trict Office in 5.29 NMAC.
	Rel	ease Notific		•	· · • • •	ction				
				<b>OPERA</b>	FOR		Initia	I Report		Final Repo
	rmian Ltd.			Contact Casey Summers						
Address 6 Desta Drive, Mit Facility Name State DW #0		705		Telephone N Facility Typ		-8289				
	//0			racinty Typ	e wen					
Surface Owner State	_	Mineral C				A	.PI No	. 30-025-	29023	
Unit Letter Section Towns	hip Range	LOCA Feet from the		ON OF RELEASE           th/South Line         Feet from the         East/West Line         County						
J 12 185	33E							Lea Count	iy, NM	
		Latitude <u>N 32.7</u>			de <u>W 103.6153</u>	10				
T	1 .	NAT	URE	OF REL						
Type of Release Oil and Produc	ed water				Release 3 bbls o luced water	II, Vo	iume F	lecovered	4 bbls	
Source of Release Corrosion of			lour of Occurrenc	e Da	te and	Hour of Dis	covery			
Was Immediate Notice Given?	equired	If YES, To Jamie Key	Whom? es-NMOCD							
By Whom? Kathy@ BBC Inter			lour 07/14/2010							
Was a Watercourse Reached?	Yes 🛛	a No		If YES, Vo	olume Impacting t	he Watercou	ırse.		-	
Describe Cause of Problem and 1 Corrosion of a 3" steel productio the line was repaired/replaced.			bbls of o	bil and 7 bbls	of produced wate	r. A vacuur	n truck	recovered 4	l bbls o	f fluīd and
Describe Area Affected and Clea The affected area is approximate NMOCD.	-		oad. Rer	nediation wil	l be completed in	accordance	with a	remediation	ı plan a	pproved by
I hereby certify that the informat regulations all operators are requ public health or the environment should their operations have faile or the environment. In addition, federal, state, or local laws and/o	ired to report a The acceptaned to adequatel NMOCD acce	nd/or file certain r ce of a C-141 repo y investigate and r	elease ne ort by the emediate	otifications as NMOCD m e contaminati	nd perform correc arked as "Final R on that pose a thr	tive actions eport" does eat to groun	for rele not reli d water	eases which eve the open s, surface wa	may er rator of ster, hu	idanger liability man health
<u>}</u>	_				OIL CON	SERVAT	<u>'ION</u>	DIVISIO	<u> </u>	
Signature: A Printed Name: Casey Summer		Approved by Environmental Specialist:								
Title: NM Environmental Adv	-			Approval Da	e:	Expiration Date:				
E-mail Address: Casey Summ Date: $1 - \frac{8}{8} - \frac{1}{6}$	ters@oxy.com Phone	e: (575) 513-82		Conditions of	Approval:		Attached			
Attach Additional Sheets If N										

•

1023 14. FICHUN DL., FIUDDS, 1414 80240	te of New Mexico Form C-141 nerals and Natural Resources Revised August 8, 2011
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S	Onservation DivisionSubmit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.South St. Francis Dr.Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
	nta Fe, NM 87505
Release Notifica	ation and Corrective Action
Name of Company Oxy Permian Ltd.	OPERATOR Initial Report Sinal Report
Address PO Box 4294, Houston, TX 77210	Telephone No. (575) 513-8289
Facility Name State DW #010	Facility Type Well
Surface Owner State Mineral Ow	wner API No. 30-025-29023
	TION OF RELEASE
Unit Letter Section Township Range Feet from the	North/South Line Feet from the East/West Line County
J 12 18S 33E	Lea County, NM
Latitude N 32.76	
Type of Release Oil and Produced water	Volume of Release 3 bbls oil, Volume Recovered 4 bbls
	7 bbls produced water
Source of Release Corrosion of 3" steel production flow line	Date and Hour of Occurrence Date and Hour of Discovery 07/13/2016
Was Immediate Notice Given? 🛛 Yes 🔲 No 🗌 Not Requ	If YES, To Whom?
By Whom? Kathy@ BBC International, Inc.	Date and Hour 07/14/2016 @ 10:54 am
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
If a Watercourse was Impacted. Describe Fully.*	
Describe Cause of Problem and Remedial Action Taken.*	
Corrosion of a 3" steel production flow line caused a release of 3 bbl the line was repaired/replaced.	ols of oil and 7 bbls of produced water. A vacuum truck recovered 4 bbls of fluid and
Describe Area Affected and Cleanup Action Taken.*	
The affected area is approximately 90' x 20' off location on the road. Kristen Lynch of NMOCD via email on 09/27/2016.	d. Remediation was completed in accordance with the remediation plan approved by
regulations all operators are required to report and/or file certain relea public health or the environment. The acceptance of a C-141 report t should their operations have failed to adequately investigate and remu	te to the best of my knowledge and understand that pursuant to NMOCD rules and ease notifications and perform corrective actions for releases which may endanger by the NMOCD marked as "Final Report" does not relieve the operator of liability nediate contamination that pose a threat to ground water, surface water, human health port does not relieve the operator of responsibility for compliance with any other
14	OIL CONSERVATION DIVISION
Signature:	Approved by Environmental Specialist: Luttan Hall
Printed Name: Casey Summers	Approved by Environmental Specialist:
Title: NM Environmental Advisor	Approval Date: 4/10/2023 Expiration Date: n/a
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval: Attached
Date: 10 - 25 - 16 Phone: (575) 513-8289	9 none

\* Attach Additional Sheets If Necessary



**Released to Imaging: 4/10/2023 11:46:38 AM** 

Received by OCD: 4/4/2023 8:02:31 AM BBC INTERNATIONAL

**Groundwater Plot** 

# Oxy State DW #010



Cocation OCD Released to Imaging: 4/10/2023 11:46:38 AM



Section Quarters

# Oxy State DW #010



**State DW #010** 

Оху



Released to Imaging: 4/10/2023 11:46:38 AM

# Oxy State DW #010



### Page 9 of 35

#### Laboratory Analytical Results Summary State DW #010

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/21/16	7/21/16	8/3/16	8/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		< 0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	<0.300	n/a	n/a
Chloride	SM4500CI-B		20000	4240	816	384
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		136	95.9	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	
Analyte	Method	Date	7/21/16	7/21/16	8/3/16	8/3/16	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	
Toluene	BTEX 8021B		<0.050	.050 <0.050 n/a		n/a	
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	
Chloride	SM4500CI-B		20400	4400	688	400	
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	
DRO	TPH 8015M		27	125	n/a	n/a	

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	7/21/16	7/21/16	7/21/16	7/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.500	< 0.050	< 0.050
Toluene	BTEX 8021B		0.596	2.65	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		2.33	7.75	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		5.02	15.6	<0.150	<0.150
Total BTEX	BTEX 8021B		7.95	26	<0.300	<0.300
Chloride	SM4500CI-B		12300	12800	5040	432
GRO	TPH 8015M		124	631	<10.0	<10.0
DRO	TPH 8015M		2290	11000	200	340



July 30, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE DW #10

Enclosed are the results of analyses for samples received by the laboratory on 07/22/16 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	305		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 1 @ 1' (H601649-01)

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	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	07/25/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/25/2016	ND	185	92.3	200	4.36	
DRO >C10-C28	136	10.0	07/25/2016	ND	190	94.8	200	7.04	
Surrogate: 1-Chlorooctane	86.4 % 35-147		7						
Surrogate: 1-Chlorooctadecane	97.1 9	% 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	)5		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 1 @ 2' (H601649-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/25/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/25/2016	ND	185	92.3	200	4.36	
DRO >C10-C28	95.9	10.0	07/25/2016	ND	190	94.8	200	7.04	
Surrogate: 1-Chlorooctane	88.5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	92.7	% 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	)5		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 2 @ 1' (H601649-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	07/25/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/25/2016	ND	185	92.3	200	4.36	
DRO >C10-C28	27.0	10.0	07/25/2016	ND	190	94.8	200	7.04	
Surrogate: 1-Chlorooctane	84.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	92.6	28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	)5		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 2 @ 2' (H601649-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	07/27/2016	ND	400	100	400	0.00	QM-07
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/25/2016	ND	185	92.3	200	4.36	
DRO >C10-C28	125	10.0	07/25/2016	ND	190	94.8	200	7.04	
Surrogate: 1-Chlorooctane	81.8 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.5 9	% 28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	n 15		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 3 @ 1' (H601649-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	0.596	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	2.33	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	5.02	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	7.95	0.300	07/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	152 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12300	16.0	07/27/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	124	10.0	07/25/2016	ND	185	92.3	200	4.36	
DRO >C10-C28	2290	10.0	07/25/2016	ND	190	94.8	200	7.04	
Surrogate: 1-Chlorooctane	97.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	116 9	6 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 3 @ 3' (H601649-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	07/27/2016	ND	2.14	107	2.00	0.142	
Toluene*	2.65	0.500	07/27/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	7.75	0.500	07/27/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	15.6	1.50	07/27/2016	ND	6.31	105	6.00	0.107	
Total BTEX	26.0	3.00	07/27/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	07/27/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	631	50.0	07/26/2016	ND	191	95.5	200	2.47	QM-07, QR-03
DRO >C10-C28	11000	50.0	07/26/2016	ND	197	98.3	200	4.62	QM-07, QR-03
Surrogate: 1-Chlorooctane	184 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	303 9	28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	n 5		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 3 @ 4' (H601649-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/27/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/27/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/27/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/27/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	07/27/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/26/2016	ND	191	95.5	200	2.47	
DRO >C10-C28	200	10.0	07/26/2016	ND	197	98.3	200	4.62	
Surrogate: 1-Chlorooctane	83.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	93.6	28-171							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,	n 5		
		Fax To:	(575) 397-0397		
Received:	07/22/2016			Sampling Date:	07/21/2016
Reported:	07/30/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

#### Sample ID: SP 3 @ 5' (H601649-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2016	ND	2.32	116	2.00	0.836	
Toluene*	<0.050	0.050	07/28/2016	ND	2.36	118	2.00	0.985	
Ethylbenzene*	<0.050	0.050	07/28/2016	ND	2.27	113	2.00	1.15	
Total Xylenes*	<0.150	0.150	07/28/2016	ND	6.81	114	6.00	1.08	
Total BTEX	<0.300	0.300	07/28/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/27/2016	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/26/2016	ND	191	95.5	200	2.47	
DRO >C10-C28	340	10.0	07/26/2016	ND	197	98.3	200	4.62	
Surrogate: 1-Chlorooctane	92.9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	105 9	% 28-171							

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

**Released to Imaging: 4/10/2023 11:46:38** AM

(3U3) 333-2326 FAX (3U3) 333-24/6		
Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson		
Address: P.O. Box 805	Company:	
city: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: OXY	City:	
Project Name: State DW #10	State: Zip:	
Project Location:	#	
Sampler Name: Loper Herventerz	Fax #:	
	PRESERV. SAMPLING	
(G)RAB OR (C)OMF (G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACID/BASE: ICE / COOL OTHER : DATE	
2 SM 22 6 1 1	/ /.	
3 20 11 0 11	2 2 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1	
1 3 5 6 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	72116 100	
6 303 93'	7 21/16 120 / / /	
1 3 5 0 6 5 CM	7 21/6 730	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatisoever shall be deemed waived unless made in writing and nezelved by Cardinal which 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurned by client, its subsidiaries,	Lt or tort, shall be limited to the amount paid by the client for the indirectived by Cardinal within 30 days after completion of the applicable s, loss of use, or loss of profits incurred by client, its subsidiarities,	
Relinquished By: Date 116 Received By:	lt	No Add'l Phone #: Add'l Eav #-
(Circle One) 16:15 Bus - Other: 4:0	on CHECKEP BY:	No
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24 $\%$	505-393-2476 7 S	
H		

Page 11 of 11

5



August 08, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE DW #10

Enclosed are the results of analyses for samples received by the laboratory on 08/03/16 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	805		
		Fax To:	(575) 397-0397	,	
Received:	08/03/2016			Sampling Date:	08/03/2016
Reported:	08/08/2016			Sampling Type:	Soil
Project Name:	STATE DW #10			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Amanda Ponce
Project Location:	NOT GIVEN				

#### Sample ID: SP 1 @ 3' (H601738-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	08/05/2016	ND	400	100	400	0.00	

#### Sample ID: SP 1 @ 4' (H601738-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/05/2016	ND	400	100	400	0.00	

#### Sample ID: SP 2 @ 3' (H601738-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/05/2016	ND	400	100	400	0.00	

#### Sample ID: SP 2 @ 4' (H601738-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/05/2016	ND	400	100	400	0.00	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Address: P.O. Box 805		Company: OX U
city: Hobbs State: NM	zip: 88241	Attn:
5-397-6388 Fax #:	5-397-0397	Address:
	OXY	City:
ame: STATE 1	10''	State: Zip:
on:		Phone #:
DOFE	HERNandE2	Fax #:
	P. MATRIX	PRESERV. SAMPLING
Lab I.D. Sample I.D.	UDGE	THER : CID/BASE: E / COOL THER :
25 01 d> 1	- # G V S C S	× 9.3.16/
. h 0	N.	V 8.3.16 1105
S DIAC C		
4.64.		A 0.2.0
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Affiates or successors arising out of or related to the performance of services hereunder to Pate: Relinquished By: Time: Time: 10	der by Cardinal, regardless of whether such clarin	Phone Result: Fax Result: REMARKS:
Time:		
Sampler - UPS - Bus - Other: 1 8	Sample Condition Cool Intact	rdition CHECKED BY:

Page 24 of 35

Page 4 of 4

From:	Lynch, Kristen, EMNRD
To:	Cliff Brunson
Cc:	Casey Summers; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY - State DW #010 - Remediation Plan
Date:	Tuesday, September 27, 2016 11:43:15 AM
Attachments:	1RP 4358 Oxy Remediation Packet State DW #010.pdf

Good Morning,

Please find attached approved Remediation Plan for the above mentioned well.

Thanks,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

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

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Friday, September 23, 2016 11:14 AM
To: Lynch, Kristen, EMNRD
Cc: Casey Summers; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - State DW #010 - Remediation Plan

Kristen,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY State DW #010 release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

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: <u>cbrunson@bbcinternational.com</u>



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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

Operator:	OGRID:	
J R OIL, LTD. CO.	256073	
P.O. Box 52647	Action Number:	
Tulsa, OK 74152	203780	
	Action Type:	
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)	

#### CONDITIONS

Created By		Condition Date
bhall	None	4/10/2023

CONDITIONS

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Action 203780