										PJXKI	53	5150488
District I		HC	OBBS OC	על St	ate of	New Mex	ico	4\$32				
1625 N. French District II		NM 88240	1 7	014 <sup>Energy Mi</sup>	inerals	and Natura	l Resources	Revised August 8, 2011				Form C-141 August 8, 2011
811 S. First St., District III			Y Z 1 '	Öil (	Conser	vation Div	vision	Submit 1 Copy to appropriate District Office in				
1000 Rio Brazo District IV				. 1000		St. Franc			a	ccordance wi	th 19.1	5.29 NMAC.
1220 S. St. Fra	ncis Dr., Sant	a Fe, NM 8750:	RECEIV	<u>S</u>	anta Fe	e, NM 875	505					
		-	Rel	ease Notifi	catio	1 and Co	orrective A	ction				
	<u></u>					OPERA'	<u>for</u>		🗌 Initi	al Report	$\boxtimes$	Final Report
Name of Contract Address		Oxy Permia tanolind Rd,		TNI 89340			Chancey Summe					
Facility Na		MU #246	10005,1	NIVI 00240		Telephone No.       (575) 397-8216         Facility Type       Well location						
Surface Ow	ner BL	<u>м</u>		Mineral C	· · · · · ·				APING	. 30-025-11	049	
<u>Burlace o n</u>							E AGE		7111110		042	,,
Unit Letter	Section	Township	Range	Feet from the		NOF REI South Line	Feet from the	East/W	est Line	County		
	7						1000			-		
	7	24S	37E	660	· .	South	1980	·	ast	Lea County	/, NM	
			1	Latitude <u>N 32.2</u>	<u>23373°</u>	Longitu	de <u>W 103.1988</u>	<u>9°</u>				
				NAT	URE	OF RELI						
Type of Release Produced water						Volume of 20 bbls	Release		Volume I 0 bbls	Recovered		
Source of Release Leak in a 1" stainless steel injection line at the					he	Date and H 01/08/2014	lour of Occurrenc	e	Date and	Hour of Disc	overy	
injection header Was Immediate Notice Given?						If YES, To	Whom?					
Yes No Not Required												
By Whom? Kathy Purvis Was a Watercourse Reached?						Date and Hour 01/09/2014 @ 3:42 pm If YES, Volume Impacting the Watercourse.						
Was a Watercourse Reached?							and impleting t		course.	~		
If a Watercou	urse was Im	pacted, Descri	ibe Fully.*	1								
		~										l
Describe Cau	use of Proble	em and Reme	dial Action	n Taken.*								
A leak in the	Linch stain	less steel inie	ction line :	at the injection he	ader cau	sed 20 bbls o	f produced water	to spill o	onto the or	round		
No fluids we						304 20 0013 0	i produced water	to spin (	ino nio gi	oune.		
Describe Are	a Affected a	and Cleanup A	ction Tak	en.*								
The offerend		- avimatoly 50'	v 40' and	included the area			din maha kan dari a	_ J Ø	d Dank inte			d alary
sand. Remed	liation was o	completed in a	iccordance	with the remedia								
by Jennifer ∨	an Curen of	f the BLM via	email on	4/22/2014.								
				is true and comp								
				d/or file certain re e of a C-141 repo								
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	contaminatio	on that pose a thre	eat to gro	und water	surface wat	er, hun	nan health
federal, state,				ance of a C-141	report do	es not relieve	e the operator of r	responsib	ility for co	ompliance wi	th any	other
		6	•				OIL CONS	SERVA	ATION	DIVISIO	<u>N</u>	
Signature:	$\sim$											
Printed Name	r Chance	y Summers			Ā	Approved by I	Environmental Sp	pecialist:				
		y commons					<u>.</u> .					
Title: HES	Specialist			<u></u>	A	Approval Date	ð:	<u> </u> E:	xpiration	Date:		
E-mail Addre	ess: <u>Chan</u> e	cey.Summers	@oxy.com		(	Conditions of	Approval:			Attached		
Date:	5 - 10	7-19	Phone:	(575) 397-821	6							ł
	ional Shaa	ts If Necessa		····· · · · · · · · · · · · · · · · ·						·		

Attach Additional Sheets If Necessary

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HOBBS OCD										
	ofl	New Mexi	ico			Form C-141				
District II 811 S. First St., Artesia, NM 88210 811 S. First St., Artesia, NM 88210 MAY 21 2014Energy Miner	rais a	ind Natura	l Resources			Revised August 8, 2011				
District III 1000 Rio Brazos Road, Aztec, NM 87410 Oil Con	iserv	ervation Division Submit I Copy to appropriate District Of accordance with 19.15.29 N								
District IV 1220 Sc		ith St. Francis Dr.								
		, NM 875								
Release Notificat				ction	_	_				
Name of Company Oxy Permian Ltd.	· · · · · · · · · · · · · · · · · · ·	OPERA1			X Initia	l Report Final Report				
Address 1017 W. Stanolind Rd, Hobbs, NM 88240		Contact         Chancey Summers           Telephone No.         (575) 397-8216								
Facility Name MLMU #246		acility Typ								
Surface Owner BLM Mineral Own	ner	r API No. 30-025-11049								
LOCATION OF RELEASE										
Unit Letter Section Township Range Feet from the No	orth/S	South Line	Feet from the	East/W	est Line	County				
O 7 24S 37E 660	S	outh	1980	E	ast	Lea County, NM				
Latitude <u>N 32.233</u> 7	730	Longitu		9°						
Latitude <u>N 32.23373°</u> Longitude <u>W 103.19889°</u> NATURE OF RELEASE										
Type of Release Produced water	Release		Volume R 0 bbls	ecovered .						
Source of Release Leak in a 1" stainless steel injection line at the		20 bbls Date and H 01/08/2014	our of Occurrenc			four of Discovery				
injection header Was Immediate Notice Given?										
🛛 Yes 🗌 No 🗌 Not Required Geoffrey Leking-NMOCD, Jennifer Van Curen-BLM										
By Whom? Kathy Purvis Date and Hour 01/09/2014 @ 3:42 pm										
Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.										
If a Watercourse was Impacted, Describe Fully.*	1									
Describe Cause of Problem and Remedial Action Taken.*	·		,			· · · · · · · · · · · · · · · · · · ·				
A leak in the 1 inch stainless steel injection line at the injection header	r caus	ed 20 bbls o	f produced water	to spill o	nto the gro	ound:				
No fluids were recovered and the line was repaired/replaced.										
Describe Area Affected and Cleanup Action Taken.*										
The affected area is approximately 50' x 40' and included the area improvement of the area improvement of the second and the area area improvement. The area area area area area area area ar	media on play	itely surroun	ding the header as NMOCD and f	nd flowed	d East into	the pasture and/or red clay				
• •										
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain release	to the se not	best of my l	enowledge and ur d perform correct	nderstand	that pursu ns for relea	ant to NMOCD rules and asses which may endanger				
public health or the environment. The acceptance of a C-141 report by	y the I	NMOCD ma	rked as "Final Re	eport" doe	es not relie	eve the operator of liability				
should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 repo										
federal, state, or local laws and/or regulations.										
			<u>OIL CONS</u>	SERVA	<u>TION I</u>	DIVISION				
Signature:		nnroved by I	Environmental Sp	necialist <sup>.</sup>						
Printed Name: Chancey Summers										
Title: HES Specialist	A	pproval Date	:	Ex	piration D	Date:				
E-mail Address: Chancey Summers@oxy.com	_ c	onditions of	Approval;			Attached				
Date: 1-15-19 Phone: (575) 397-8216										

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\* Attach Additional Sheets If Necessary

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# **Closure Report**

HOBBS OCD

MAY 21 2014

	Site Description	
Site Name:	MLMU #246	RECEIVED
Company:	Oxy Permian Ltd.	
Legal Description:	U/L O, Section 7, T24S, R37E	
County:	Lea County, NM	
GPS Coordinates:	N 32.23373° W 103.19889°	

- -	Release Data
Date of Release:	01/08/2014
Type of Release:	Produced water
Source of Release:	Leak in 1" steel injection line at the injection header
Volume of Release:	20 bbls
Volume Recovered:	0 bbls

Remediation Specifications									
Remediation Parameters:		ntire leak site to a depth of 1 foot. Obtain ewall samples. Then, backfill the site with							
Remediation Activities:	5/9/14 to 5/15/1	4 //							
Plan Sent to OCD: OCD Approval of Plan:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking Email from Geoffrey Leking to Cliff Brunson							
Plan Sent to BLM:	04/21/2014	Email from Cliff Brunson to J. Van Curen							
BLM Approval of Plan:	04/22/2014	Email from J. Van Curen to Cliff Brunson							

	Supporting Documentation
Initial C-141	Signed 01/15/2014
Final C-141	Signed 05/19/2014
Site Diagram	January 2014
Groundwater Plot	>100'
TOPO Maps	January 2014
Lab Summary	02/20/2014 and 05/09/2014
Lab Analysis	02/20/2014 and 05/09/2014
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.

05/19/2014

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### Groundwater Plot

### Oxy MLMU #246



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Section Quarters

# Oxy MLMU #246



Continuation

# Оху

**MLMU #246** 



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# **MLMU #246**



# Laboratory Analytical Results Summary MLMU 246

Surface 22014 mg/kg n/a n/a n/a n/a n/a n/a n/a			Cample	@ IdS	504 @ 4.
te         Method         Date         22014           BTEX 8021B         n/a         n/a         n/a           BTEX 8021B         n/a         n/a         n/a           BTEX 8021B         n/a         n/a         n/a         n/a           Zene         BTEX 8021B         n/a         n/a         n/a         n/a           Zene         BTEX 8021B         n/a         n/a         n/a         n/a         n/a           EX         BTEX 8021B         n/a			aiduipe	Surface	371 (6)
mg/kg         mg/kg           BTEX 8021B         n/a           BTEX 8021B         n/a           Zene         BTEX 8021B           BTEX 8021B         n/a           enes         BTEX 8021B           BTEX 8021B         n/a           EX         BTEX 8021B           FX         BTEX 8021B           FX         BTEX 8021B           FX         BTEX 8021B           TPH 8015M         n/a           TPH 8015M         n/a	Analyte	Method	Date	2/20/14	2/20/14
BTEX 8021B         n/a           BTEX 8021B         n/a           ETEX 8021B         n/a           sene         BTEX 8021B         n/a           enes         BTEX 8021B         n/a           enes         BTEX 8021B         n/a           EX         BTEX 8021B         n/a           EX         BTEX 8021B         n/a           FX         BTEX 8021B         n/a           TPH 8015M         n/a         n/a           TPH 8015M         n/a         n/a				бу/бш	6)/6m
me         BTEX 8021B         n/a           benzene         BTEX 8021B         n/a           Xylenes         BTEX 8021B         n/a           BTEX         BTEX 8021B         n/a           ide         SM4500Cl-B         n/a           TPH 8015M         n/a         n/a	Benzene	BTEX 8021B		e/u	<0.050
benzene         BTEX 8021B         n/a         ·           Xylenes         BTEX 8021B         n/a         ·           BTEX         BTEX 8021B         n/a         ·           ide         SM4500Cl-B         4280         n/a           ide         TPH 8015M         n/a         ·	Toluene	BTEX 8021B		e/u	<0.050
Xylenes         BTEX 8021B         n/a         n/a         i/a         i/a	Ethylbenzene	BTEX 8021B		n/a	<0.050
BTEX         BTEX 8021B         n/a            ide         SM4500Cl-B         4280            TPH 8015M         n/a         n/a	<b>Total Xylenes</b>	BTEX 8021B		e/u	<0.150
ide SM4500CI-B 4280 TPH 8015M n/a //a	Total BTEX	BTEX 8021B		n/a	<0.300
TPH 8015M         n/a           TPH 8015M         n/a	Chloride	SM4500CI-B		4280	16
TPH 8015M n/a	GRO	TPH 8015M		n/a	<10.0
	DRO	TPH 8015M		e/u	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'
Analyte	Method	Date	2/20/14	2/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Totuene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
<b>Total Xylenes</b>	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		6240	<16.0
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

# Laboratory Analytical Results Summary MLMU #246

		Sample	Sidewall 1 Sidewall 2 Sidewall 3 Sidewall 4	Sidewall 2	Sidewall 3	Sidewall 4
Anatyte	Method	Date	5/0/14	5/9/14	5/8/14	5/9/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		96.0	96.0	96.0	64.0

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February 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #246

Enclosed are the results of analyses for samples received by the laboratory on 02/20/14 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 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 VGCs (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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 1 @ SURFACE (H400525-01)

Chloride, SM4500Cl-B	mg,	mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	02/27/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 @ 1' (H400525-02)

BTEX 8260B	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	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1.98	99.0	2.00	3.42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3,29	
Total Xylenes*	<0.150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0.300	02/28/2014	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2014	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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	199	99.7	200	2,11	

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey Li Kuna

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 1 @ 1' (H400525-02)

TPH 8015M	mg/kg		Analyze	ed By: ms					
Analyte	Result Rep	orting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	98.4 %	65.2-140							
Surrogate: 1-Chlorooctadecane	96.3 %	63.6-154							

#### Sample ID: SP 2 @ SURFACE (H400525-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	02/27/2014	ND	416	104	400	0.00	

Cardinal Laboratories

#### \*=Accredited Analyte

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Celegi: Kune

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 2 @ 1' (H400525-04)

BTEX 82608	mg/	ikg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1.98	99.0	2.00	3.42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3.29	
Total Xylenes*	<0,150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0.300	02/28/2014	ND					
Surrogate: Dibromofluoromethane	97.5	% 61.3-14	2						
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	<b>02/27/</b> 2014	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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0 10.0		02/26/2014	ND	199	99.7	200	2.11	
Surrogate: 1-Chlorooctane	94.5	% 65.2-14	0				·		
Surrogate: 1-Chlorooctadecane	97.2	% 63.6-15	4						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey Li Keena

Celey D. Keene, Lab Director/Quality Manager

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#### **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

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Celey Li Keene

Celey D. Keene, Lab Director/Quality Manager

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† Cardinal canr	Sampler - UPS - Bus - Other	Ballymond By: /C	Kelmquispad By:	P	Relinquished By:	service. In no event shaft Cardinal t officiates or successors entaing out o	PLEASE NOTE: Lisbilly and Damages. Cardhab's Setally and di analyses Al claims installen lines in anticones and set other						L L	8	2		Hu00525		5			Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575-397-6388	city: Hobbs	Address: P.O. Box 805	Project Manager: Cliff Brunson	Company Name: B	101 (505	R
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	Bus - Other:		Uate:		Date:	<ul> <li>Eable for incidental or consequental damages, is or related to the performance of services heround</li> </ul>	PLEASE NOTE: Lability and Damages. Cardina's allobally and danies exclusive remedy for any cleim animing whether based in constant or lost, shall be initiad to the amount pad by the cleim in the second s						.1	Sp2 @ Enfes		Sp/@ Linkie		sample I.U.				Wall On ine 2	13/	12MU -246		Fax #:	State: NM	<b>805</b>	liff Brunson	BBC International, Inc.	101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	
ease fax written changes to			Kacelved By:	E MM S	A Received By:	encluding without limitation, butthess interruption nder by Cardinal, regardless of whether such dat	ient's exclusive remedy for any claim arising eventue based a contract or tor, shall be limited to the amount padd by the client in the Cause whatesamer shall be deemed weived unless made is written and modered by Contract with an days after modere								<u>e</u> 1 <u>v</u>	X	# CC GRC WAS SOIL OIL		NERS WATE	R	MATRIX	~ }		11	wher: $QXY$	575-397-0397	M zip: 88241				1E-3 88240 2476	<b>6</b> 9
0 505-393-2476		- nuent		Marnan	M. JAAM	emptions, loss of use, or loss of profits incurred by client, its subaddates, such claim is based upon any of the above stated reasons or otherwise.	act or tort, shall be limited to the empore pet						F 2.20		X 2.20	X 2.20		ER : /BASE COOI			ESERV	Fax #:	*	State: Zip:	City:	Address: 2.21	Attn:	Company:	P.O. #:			<u>.</u>
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Page 6 of 6

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May 13, 2014

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

RE: MLMU #246

Enclosed are the results of analyses for samples received by the laboratory on 05/12/14 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes are denoted by <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes are denoted by <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes are denoted analytes are denoted by <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes are denoted by <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accredited analytes are denoted by <a href="https://www.tceq.texas.gov/field/ga/lab"/>www.tceq.texas.gov/field/

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	05/12/2014	Sampling Date:	05/09/2014
Reported:	05/13/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SIDEWALL 1 (H401431-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					-
Analyte	Result	Reporting Limit	t Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/13/2014	ND	400	100	400	0.00	

#### Sample ID: SIDEWALL 2 (H401431-02)

Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/13/2014	ND	400	100	400	0.00	

#### Sample ID: SIDEWALL 3 (H401431-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/13/2014	ND	400	100	400	0.00	

#### Sample ID: SIDEWALL 4 (H401431-04)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/13/2014	ND	400	100	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey Li Keine

Celey D. Keene, Lab Director/Quality Manager

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#### **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

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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Project Manager: Cliff Brunson Sampler Name: Phone #: 575-397-6388 Address: P.O. Box 805 company Name: (BBC International, Inc. ...... Project Name: city: Hobbs Relinquished By: Project Location Sampler - UPS - Bus - Other: Relinquished B roject #: HHO HS FOR LAB USE CNLY Delivered By: (Circle One) Lab I.D. 1 Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2016 CLEP HERMINDER Carrie I NACK STALL CACK (505) 393-2326 FAX (505) 393-2476 101 East Marland, Hobbs, NM 88240 DINAL LABORATORIES SILVERIAL 3 UDE: JALL IFEMAL LOC UALL Sample CAER HEDIANO D' NOUTR 5:46: Project Owner:. Fax #: С. Р State: NM Date: lime: ٩ ,575-397-0397 5.9. . Zip: 88241 -Received By. GIRAB OR (C)OMP С Х С WASTEWATER 1 Sample Condition SLUDGE Address: SAA State: City: Phone #: Attn: loss of use, at bas of profes OTHER Fax #: P.O. # ×r Company: received by Cardinal wither 30 days after ACID/BASE: PRESERV CE/COOL CHE BILL TO OTHER 2 Zip: s ÷  $^{\prime})$ DATE n sti days after competion of the applicable incomed by clenit, its subsidiaries, SAMPLING 2 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST Phone Result: Fax Result: REMARKS: TIME ÷ D Yes Yes A)SH Z Add'I Fax #: ANALYSIS Phone # REQUEST ÷ .

Page 4 of 4

### Jennifer Gilkey

From:	Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us></geoffreyr.leking@state.nm.us>
Sent:	Monday, April 07, 2014 1:09 PM
To:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-MLMU #246

Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY MLMU #246. Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240 Office: (575) 393-6161 Ext. 113 Cell: (575) 399-2990 email: geoffreyr.leking@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com] Sent: Saturday, April 05, 2014 7:45 PM To: Leking, Geoffrey R, EMNRD Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis Subject: OXY-MLMU #246

Geoff,

This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1 foot in the entire leak area that is depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC Internationai, 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) 397-6388 Fax: (575) 397-0397  $\bar{z}$ -Mail: <u>chrunson@bbcinternational.com</u>

## **Kathy Purvis**

From:	Van Curen, Jennifer <jvancure@blm.gov></jvancure@blm.gov>
Sent:	Tuesday, April 22, 2014 6:55 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: Oxy-Remediation Plans Approval Status

EC Hill B Fed #20 --Contacted CJ and approved work on 4-16-14. Stips apply to this remediation: SP1 is 3' and SP2 & SP3 is 6" minimal removal. Berm well pad to prevent fluids from leaving the well pad. Pay close attention to not disturb old drilling pit.

Cypress 34 Fed #1 -- Received plan in on 4-6-14 and approved on 4-16-14 after visiting with CJ. Stips are to repair cattle guard and fence along lease road, correct erosion issue in the NW, need sidewall samples from area to lined to unlined behind two tanks, Lease number missing on well sign, SP1 min is 3', SP2 is 1' minimal --sample to be sure TPH is less than 1000. SP3 & SP6 is 1' removal and SP5 is 2' removal. SP6 should be lined with a small berm to catch load line spillage from trucks. **Samples from confirmations must be sent in.** 

Cedar Canyon 28 Fed #4 -- Received plan on 4-6-14 and approved plan on 4-16-14 after reviewing with CJ. Excavating 2' in areas of SP1 & SP2, and 1' removal from SP3. The area at SP1 & SP2 will have a clay liner used. Discussed plan with CJ and let him know that since there are hydrocarbons around the heater treater and separator that the clay will not be effective due to the hydrocarbons breaking down the clay rather quickly. If spill occurs in that area, it will still need to be delineated.

Patton 17 Fed #6 -- Contacted CJ and approved work on 4-16-14. Stips apply to this remediation: Would allow surface scrape on well pad. There is no need to dig into pit with low levels of chlorides. Pit needs to be capped anyway. Recommend no or little digging, capping and topsoil.

MLMU #246 -- Plan received for remediation on 4-5-14 and approved after reviewing with CJ on 4-16-14. Sidewalls need to be taken for horizontal cleanup. **Confirmation samples need to be sent in.** 

Bradley 13 Fed Battery -- Received plan in for remediation of spill on 4-6-14 and approved on 4-16-14 after visiting with CJ. Need to delineate north of tank. Tank needs to have integrity test completed and repairs made or replacement, remediate the release around the pumpjack and north to the pit area. No plan necessary, just complete the work for this area and test to be sure that contaminants have been removed. Be careful to not dig into pit contents. Remove hot material and cap if necessary. Deep bury or haul off the cement slab. **Confirmation samples from wellhead and pit area will need to be sent in.** 

Confirmation samples or delineation samples are very important not only to the BLM but also the operator. This is what will determine the plan of action in reclamation of the plugged well. Without that information, massive mistakes will be (have been) made, costing hundreds of thousands in remediation of plugged wells. Strategical thinking is priceless.

Jennifer

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220

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OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

"There are known knowns. These are things we know that we know. There are known unknowns. That is to say, there are things that we know we don't know." Jim Perry

On Mon, Apr 21, 2014 at 4:02 PM, Cliff P. Brunson < <u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

I am following up on several remediation plans that I sent to you for approval a couple of weeks ago. Could you give me an update status on the following Oxy sites:

EC Hill B Fed #20 Cypress 34 Fed #1 Cedar Canyon 28 Fed #4 Patton 17 Fed #6 MLM #246 Bradley 13 Fed Battery

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President B8C 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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## **Groundwater Plot**

# Oxy MLMU #246



Location

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Section Quarters

# Oxy MLMU #246



Continue Location

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# Laboratory Analytical Results Summary MLMU 246

		Come C	SP1@	501 @ 1
		adube	Surface	
Analyte	Method	Date	2/20/14	2/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
<b>Total Xylenes</b>	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		4280	16
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'
Analyte	Method	Date	2/20/14	2/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		6240	<16.0
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0



February 28, 2014

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

RE: MLMU #246

Enclosed are the results of analyses for samples received by the laboratory on 02/20/14 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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,

Celeg Di Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 1 @ SURFACE (H400525-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	02/27/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 @ 1' (H400525-02)

BTEX 8260B	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	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1.98	99.0	2.00	3.42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0.300	02/28/2014	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 5	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2014	ND	416	104	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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	199	99.7	200	2.11	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey Di Kune

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:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 1 @ 1' (H400525-02)

TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result Repo	orting Limit	Analyzed	Method 8lank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	98.4 %	65.2-140							
Surrogate: 1-Chlorooctadecane	96.3 %	63.6-154							

#### Sample ID: SP 2 @ SURFACE (H400525-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP	P					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6240	16.0	02/27/2014	ND	416	104	400	0.00		

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 2 @ 1' (H400525-04)

BTEX 82608	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1.98	99.0	2.00	3,42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0.300	02/28/2014	ND					
Surrogate: Dibromofluoromethane	97.5	% 61.3-14	2						
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	<16.0 16.0		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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	199	99.7	200	2.11	
Surrogute: 1-Chlorooctane	94.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.2	63.6-15	4						

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Labeley and Damages. Cardina's habeley and clent's exclusive remedy for any dawn anising, whether based in contract or tort, shall be limited to the amount plad by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unliess made in writing and received by client intry (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incidental or consequential damages, affiliates or successions arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based ono any of the above stated reasons or otherwise. Results relate only to the samples of ball not base performed ced or Cardinal Laboratores.

Celegit 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 $% \left( {{{\left( {{{{\bf{n}}}} \right)}_{i}}}_{i}} \right)$

Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager

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† Cardinal can	Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquiated By:	Keimquisned by:	PLEASE NOTE: Leasing in a variages. Learning status snappes. All claims including those for neglence and an service. In no event shall Cardinal be liable for incidental statistics or successors arising out of or related to the pixel shalls are an accessors arising out of or related to the pixel shalls.			2	~	2	-	H400525	Lab I.D.	-	FOR LABUSE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575-397-6388	city: Hobbs	Address: P.O. Box 805	Project Manager: C	Company Name: 8	ARDI
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	(Circle One) Bus - Other:	Date: Time:		or consequence or consequence by other cau			/ . /	Juj 0205		Sp/@ Linke		Sample I.D.			Volt Ornela		12-246	Project Owner:	-	State: NM	<b>6 805</b>	Cliff Brunson	<b>BBC</b> International, Inc.	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
Please fax written changes	S. Cool /intact S. Cool /intact The Tres Tres No	Received By:	151 Marine By:	r shedy for any cash ensign whished based in whit is shall be deemed welved unless made in whit is, including without limitation, business internup under by Cardinal, regardless of whether such					<u>e 1</u> <u>v</u>		# COI GROL	B OR (C TAINEF JNDWAT	RS R	I I MATRIX	Ś			Owner: $QXY$	575-397-0397	NM zip: 88241	-			<b>RIES</b> A 88240 3-2476
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Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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1220 S. St. Fra:	icis Dr., Sam	a Fe, NM 8750	S	Sa	anta I	Fe, NM 875	505									
			Rel	ease Notific	catio	on and Co	orrective A	ction								
				_		OPERA	TOR	🛛 _Initia	al Report	Final Repor						
Name of Co		Oxy Permia				Contact Chancey Summers										
		stanolind Rd,	Hobbs, 1	NM 88240		Telephone No. (575) 397-8216										
Facility Na	me MLI	MU #246				Facility Typ	be Well locati	lon								
Surface Ow	ner BL	M		Mineral C	Owner			API No	. 30-025-11	049						
				LOCA	ATIC	ON OF RE	LEASE									
Unit Letter	Section	East/West Line	e County													
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injection hea	der					01/08/2014	4									
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regulations al public health should their o or the environ	l operators or the envir perations h amont. In a	are required to ronment. The save failed to a	o report ar acceptanc dequately CD accep	id/or file certain re- e of a C-141 repo investigate and re-	elease i ort by th emedia	notifications as he NMOCD m ate contaminati	nd perform correc arked as "Final R on that pose a thr e the operator of t	nderstand that purs trive actions for relo eport" does not reli eat to ground water responsibility for co	eases which me eve the operation , surface wate ompliance wite	ay endanger tor of liability er, human health h any other						
0		2					OIL CON	SERVATION	DIVISION	N						
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Printed Name	: Chance	ey Summers		· · · · · · · · · · · · · · · · · · ·		Approved by	Environmental S	pecialist:		<u></u>						
Title: HES	Specialist			<u> </u>		Approval Dat	e:	Expiration I	Date:							
E-mail Addre		cey.Summers	<u>@0xy.con</u>	<u>1</u>		Conditions of	Approval:		Attached							
Date: ]-	15 <u>-1</u> 9	<li></li>	Phone:	(575) 397-821	6											

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\* Attach Additional Sheets If Necessary

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## **Groundwater Plot**

# Oxy MLMU #246



Location

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Section Quarters

### Oxy MLMU #246

County	Unit Letter	Section	Township	Range
Lea	0	7	24S	37E

Trend Map >100'

	1		2
NW/NW	NE/NW	NW/NE	NEINE
Unit Letter D SW/NW	Unit Letter C SE/NW	Unit Letter B SW/NE	Unit Letter A SE/NE
Unit Letter E NW/SW	Unit Letter F NE/SW	Unit Letter G NW/SE	Unit <u>Letter H</u> NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I SE/SE
SW/SW	SE/SW	SW/SE 122'©	
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

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# Laboratory Analytical Results Summary MLMU 246

		Sample	SP1 @	, SP1 @ 1.
Analyte	Method	Date	2/20/14	5/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0:050
Toluene	BTEX 8021B		n/a	<0:050
Ethylbenzene	BTEX 8021B		n/a	<0:050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		4280	16
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0
			0.00	

		Sample	SP2 @ Surface	SP2 @ 1
Analyte	Method	Date	2/20/14	2/20/14
			B∕Vgm	вуюш
Benzene	BTEX 8021B		n/a	<0:050
Toluene	BTEX 8021B		n/a	<0:050
Ethylbenzene	BTEX 8021B		n/a	<0.050
<b>Total Xylenes</b>	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		6240	<16.0
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

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February 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #246

Enclosed are the results of analyses for samples received by the laboratory on 02/20/14 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,

Celuz D. Kune

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:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 1 @ SURFACE (H400525-01)

Chloride, SM4500Cl-B	. mg,	/kg	Analyze	d By: AP			_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	02/27/2014	ND	416	104	400	0.00	

#### Sample ID: SP 1 @ 1' (H400525-02)

BTEX 8260B	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	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1.98	99.0	2.00	3.42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0,300	02/28/2014	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/27/2014	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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	199	99.7	200	2.11	

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#### \*=Accredited Analyte

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Celey D.Kune

Celey D. Keene, Lab Director/Quality Manager

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#### Analytical Results For:

		BBC Interr	national, Inc.		
		Cliff Bruns	on		
		P.O. Box 8	305		
		Hobbs NM	, 88241		
		Fax To:	(575) 397-0397	7	
Received:	02/20/2014	•		Sampling Date:	02/20/2014
Reported:	02/28/2014			Sampling Type:	Soil
Project Name:	MLMU #246			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	JAL, NM				

#### Sample ID: SP 1 @ 1' (H400525-02)

TPH 8015M	mg/kg	Ала	lyzed By: ms					
Analyte	Result Report	ing Limit Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Surrogate: 1-Chlorooctane	98.4 %	65.2-140						
Surrogate: 1-Chlorooctadecane	96.3 %	63.6-154						

#### Sample ID: SP 2 @ SURFACE (H400525-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	· 16.0	02/27/2014	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

- Page 3 of 6

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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:	02/20/2014	Sampling Date:	02/20/2014
Reported:	02/28/2014	Sampling Type:	Soil
Project Name:	MLMU #246	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

#### Sample ID: SP 2 @ 1' (H400525-04)

BTEX 8260B	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	02/28/2014	ND	1.95	97.7	2.00	2.03	
Toluene*	<0.050	0.050	02/28/2014	ND	1. <b>98</b>	99.0	2.00	3.42	
Ethylbenzene*	<0.050	0.050	02/28/2014	ND	1.85	92.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	02/28/2014	ND	5.60	93.4	6.00	2.69	
Total BTEX	<0.300	0.300	02/28/2014	NÐ					
Surrogate: Dibromofluoromethane	97.5	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3 <b>-</b> 12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	I						
Chioride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/27/2014	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	02/26/2014	ND	204	102	200	5.45	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	199	99.7	200	2.11	
Surrogate: I-Chlorooctane	94.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.2	% 63.6-15	4						

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#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any clean arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscener shall be deemed wained unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall calculate a bable for acidental or consequential damages, including, without limitation, bosses interruptions, loss of profits incurred by dient, its subschames, affiliates or successors arising out of on related to the performance of the services hereunder by Cardinal, regardless of whether soch claims based upon any of the above stated resonant of the services interruptions.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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#### **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 SM4500CI-B does not require samples be received at or below $6^{\circ}$ C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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\*=Accredited Analyte

PLEASE NOTE: Lability and Damages Cardinal's lability and clent's exclusive remedy for any cleim arising, whether based in contract of tort, shall be limited to the amount paid by clent for analyses. All cleims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by clent, this substances, effiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, reparderss of whether such claims is and upon any of the bios stated resource or there are related above. This report shall not be reported above: This report that not be reported exercise approval of Cardinal Laboratores.

Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager

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† Cardinal can	Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relifiquistaed By:	R	<b>Relinquished By:</b>	service. In no event stall Cardinal	PLEASE NOTE: Lability and Damages. Cardinal's analyses. All claims including those for neoligence.				4	6	2	4	H400525		Lab I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location:	ame:	Project #:	Phone #: 575-397-6388	city: Hobbs	0	Project Manager: Cliff Brunson	Company Name: B	ARDI 101 (505	न	
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