HOBBS OCD

District I 1625 N. French Dr., Hobbs, NM 88240

District II

1000 Rio Brazos Road, Aztec, NM 87410

District III

811 S. First St., Artesia, NM 88210

State of New Mexico

MAY 21 2014 Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Revised August 8, 2011 Submit 1 Copy to appropriate District Office in

9JXK1535150488

Form C-141

accordance with 19.15.29 NMAC.

1220 S. St. Francis Dr., Santa Fe, NM 87505 RECEIVED Santa Fe, NM 87505 Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Chancey Summers 1017 W. Stanolind Rd, Hobbs, NM 88240 Address Telephone No. (575) 397-8216 MLMU #246 Facility Name Facility Type Well location Surface Owner **BLM** Mineral Owner API No. 30-025-11049 LOCATION OF RELEASE North/South Line Feet from the Unit Letter Section Township Range Feet from the East/West Line County **24S** 37E 660 0 South 1980 East Lea County, NM Latitude N 32.23373° Longitude W 103.19889° NATURE OF RELEASE Produced water Volume of Release Volume Recovered Type of Release 20 bbls 0 bbls Leak in a 1" stainless steel injection line at the Source of Release Date and Hour of Occurrence Date and Hour of Discovery injection header 01/08/2014 Was Immediate Notice Given? If YES, To Whom? 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. Yes No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A leak in the 1 inch stainless steel injection line at the injection header caused 20 bbls of produced water to spill onto the ground. 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 immediately surrounding the header and flowed East into the pasture and/or red clay sand. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 4/7/2014 and approved by Jennifer Van Curen of the BLM via email on 4/22/2014. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Chancey Summers Expiration Date: Title: HES Specialist Approval Date: Chancey.Summers@oxy.com Conditions of Approval: E-mail Address: Attached 🔲 (575) 397-8216 Phone:

Attach Additional Sheets If Necessary

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HOBBS OCD

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico MAY 21 2014 Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 8750 RECEIVED

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.

Release Notification and Corrective Action												
						OPERA	ror			al Report		Final Report
Name of Co		Oxy Permia				Contact Chancey Summers						
		anolind Rd,	Hobbs, 1	VM 88240		Telephone No. (575) 397-8216						
Facility Nar	ne MLM	(U #246				Facility Type Well location						
Surface Ow	ner BLM	4		Mineral C)wner				API No	0. 30-025-1	049	
LOCATI				TION	OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
0	7	248	37E	660		South	1980	E	East	Lea Count	y, NM	
			I	Latitude <u>N 32.2</u>	3373°	Longitue	ie <u>W 103.1988</u>	<u>9°</u>	•			
				NAT	URE	OF RELI	EASE					
Type of Relea	ase Produ	ced water			Ditto	Volume of				Recovered		
Source of Rel	ease Leal	k in a 1" stain	less steel	injection line at th		20 bbls	our of Occurrenc	·e	0 bbls Date and	Hour of Dis	COVETY	
injection head	ler					01/08/2014						,
Was Immedia	ite Notice G		Yes 🗆	No 🔲 Not Re	equireci	If YES, To Geoffrey L		Jennifer	Van Cure	n-BLM		Ì
By Whom?	Kathy Pur					Geoffrey Leking-NMOCD, Jennifer Van Curen-BLM Date and Hour 01/09/2014 @ 3:42 pm						
Was a Watero	ourse Reac	hed?	Yes ⊠	No.		If YES, Volume Impacting the Watercourse.						
70 737	If a Watercourse was Impacted, Describe Fully.*											
Describe Cau	pa of Droble	yn and Dames	lial Action	Takan *			 					
	l inch stainl	less steel inj <i>e</i> c	tion line a	at the injection he	ader cau	sed 20 bbls o		to spill o	onto the gr	ound.		
Describe Area	a Affected a	nd Cleanup A	ction Tak	en.*								
The affected a sand. Remedi	area is appro iation will b	e completed i	x 40° and n accorda	included the area	immedi ation pl	ately surroun an approved b	ding the header a by NMOCD and t	nd flowe he BLM	ed East int	o the pasture	and/or	red clay
regulations all public health should their of or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.											
					OIL CONS	SERV.	ATION	DIVISIO	<u>N</u>			
Signature:			$\geq \sim$									
Printed Name	: Chancey	Summers			_ A	Approved by Environmental Specialist:						
Title: HES	Specialist				- P	Approval Date	<u>:</u>	E	xpiration	Date:		
E-mail Addres	ss: <u>Chanc</u>	ey.Summers@	доху.com	<u> </u>	(Conditions of	Approval;			Attached		
Date: 1-15-14 Phone: (575) 397-8216												

^{*} 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:		

:	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:	Excavate the entire leak site to a depth of 1 foot. Obtain confirmation sidewall samples. Then, backfill the site with clean soil.						
	/						
Remediation Activities:	5/9/14 to 5/15/14 //						

Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	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				

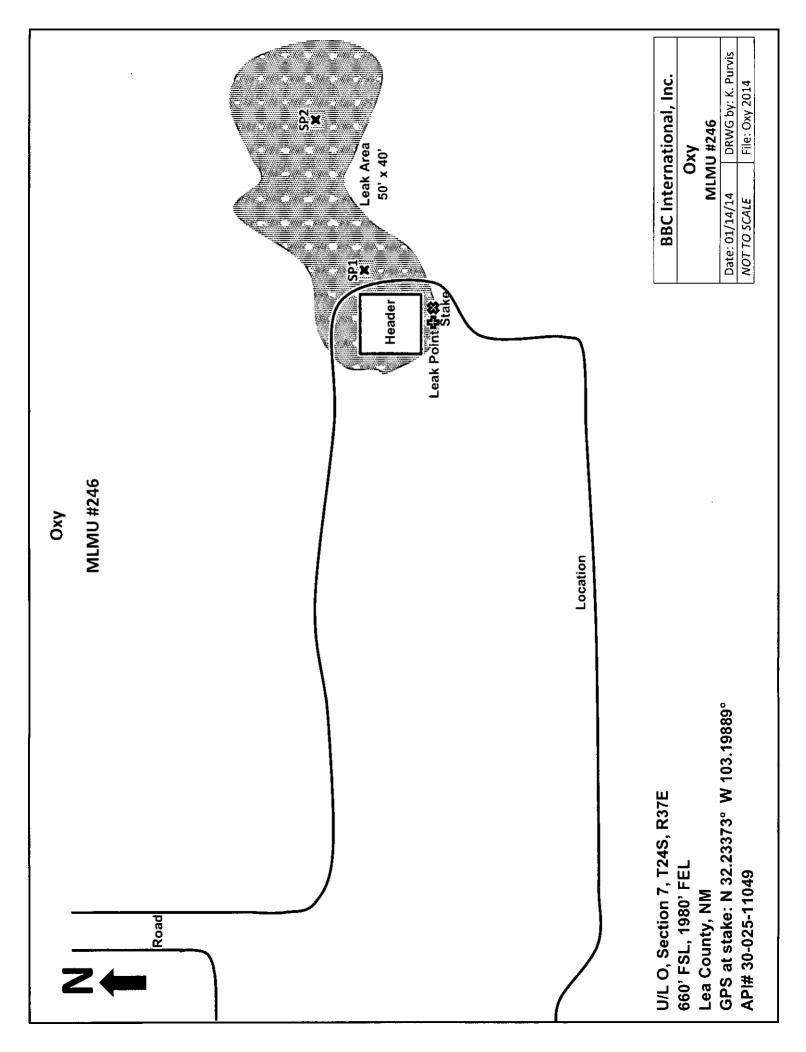
Request for Closure

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

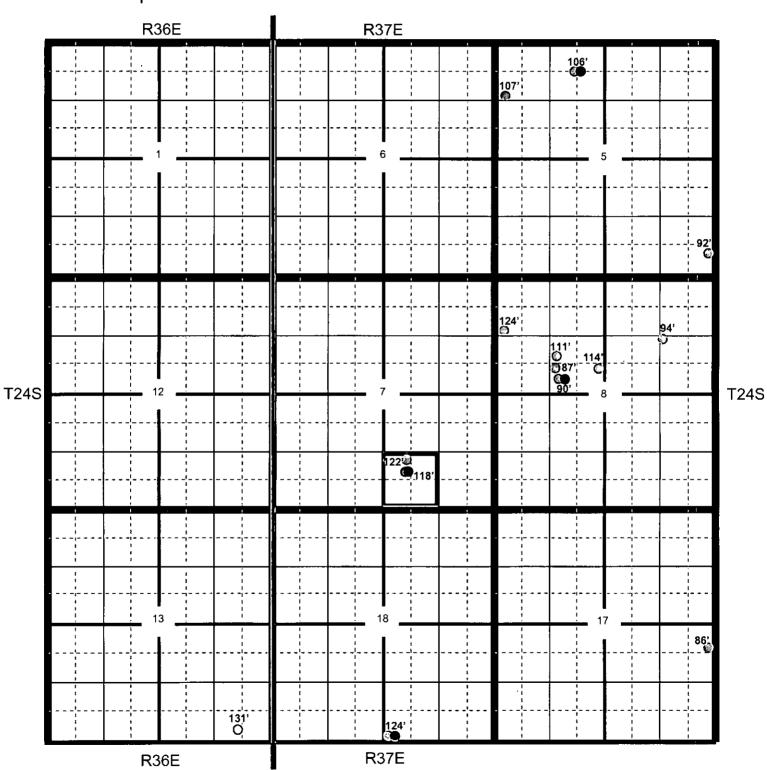
Oxy MLMU #246

County Lea Unit Letter

Section

Township 24S Range 37E

Trend Map >100'



‡ Location

o OCD

USGS

◆SEO

All Databases

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Section Quarters

Oxy MLMU #246

County Lea Unit Letter

Section 7 Township 24S Range 37E

Trend Map >100'

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Location

o OCD

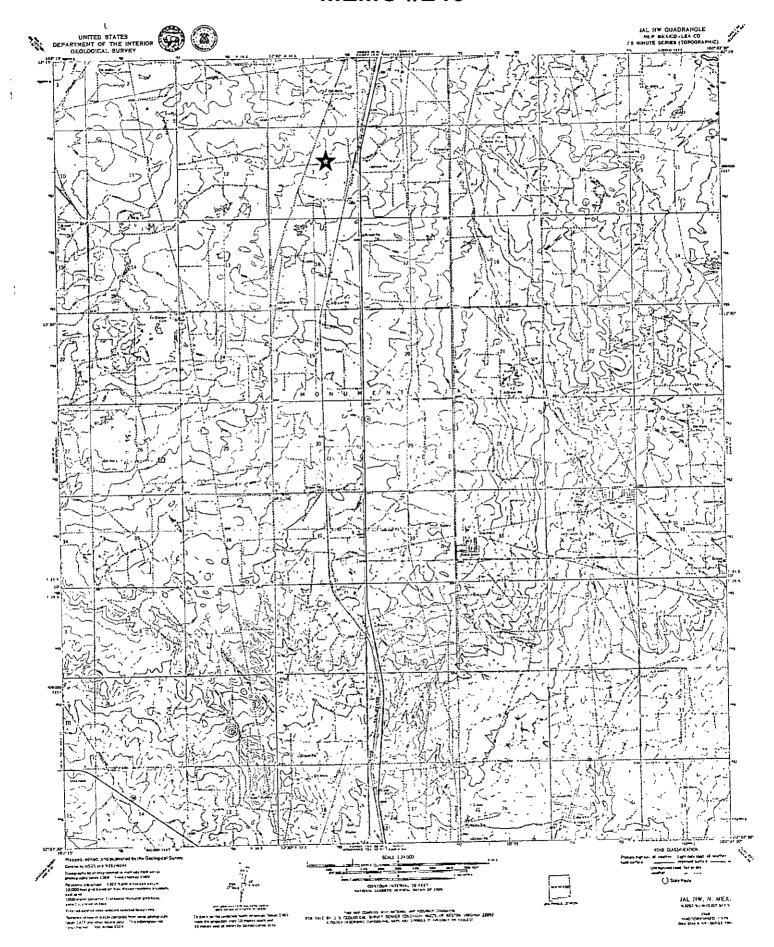
USGS

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All Databases

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Oxy MLMU #246



rayel Pit. (Agravel Pit G Gravel Pit

Oxy

MLMU #246

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Laboratory Analytical Results Summary MLMU 246

		Samole	SP1 @	.t⊕
			Surface) i
Analyte	Method	Date	2/20/14	2/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		e/u	<0.050
Toluene	BTEX 8021B		e/u	<0.050
Ethylbenzene	BTEX 8021B		e/u	<0.050
Total Xylenes	BTEX 8021B		e/u	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		4280	- 16
GRO	TPH 8015M		e/u	<10.0
DRO	TPH 8015M		e/u	<10.0

		Samole	@ zds	SP2 @ 1,
		200	Surface	
Analyte	Method	Date	2120/14	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

Laboratory Analytical Results Summary MLMU #246

		Sample	Sample Sidewall 1 Sidewall 2 Sidewall 3 Sidewall	Sidewall 2	Sidewall 3	Sidewall 4
Anatote	Method	Date	5/9/14	5/9/14	5/8/14	5/9/14
art many			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chlorida	SM4500CI-R		0.96	96.0	0.96	64.0



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 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 VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



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

Fax To: (575) 397-0397

Received:

02/20/2014 02/28/2014

Sampling Date: Sampling Type: 02/20/2014

Reported:

MLMU #246

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

JAL, NM

Sample Received By:

Jodi Henson

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

Chloride, SM4500Cl-B

Analyzed By: AP

% Recovery True Value QC

Analyte Chloride

Result 4280

16.0 02/27/2014

Analyzed

Reporting Limit

ND

Method Blank

416

BS

400 104

Qualifier 0.00

RPD

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

		'kg	Allalyze	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 Surrogate: Toluene-d8

Surrogate: 4-Bromofluorobenzene

61.3-142 97.1 % 101% 71.3-129

102 % 65.7-141

Chloride, SM4500Cl-B

mg/kg

Analyzed 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

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 whong and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or conse 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.

Celent Keens

Celey D. Keene, Lab Director/Quality Manager



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

Fax To: (575) 397-0397

Received: Reported: 02/20/2014

02/28/2014 MLMU #246

Project Name: Project Number: Project Location:

NONE GIVEN JAL, NM

Sampling Date:

02/20/2014

Sampling Type:

% Recovery

Soil

True Value QC

Sampling Condition:

Cool & Intact

Qualifier

Sample Received By:

Jodi Henson

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

ΓPH 8015M	
-----------	--

mg/kg

Analyzed By: ms

Method Blank

Analyzed

Analyte

98.4%

Result

65.2-140

Surrogate: 1-Chlorooctadecane

Surrogate: 1-Chlorooctane

96.3 %

63.6-154

Reporting Limit

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

		SM			

Analyzed 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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Celey D. Keene, Lab Director/Quality Manager

Celen Li Keine

Page 3 of 6

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

Fax To:

(575) 397-0397

Received: Reported: 02/20/2014

02/28/2014

Project Name:

MLMU #246

Project Number: Project Location: NONE GIVEN

JAL, NM

Sampling Date:

02/20/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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	1.98	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	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 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	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: 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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Celen E. Keene

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 E. Keene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

mer: DXY City: City: Phone #: Phone *: Phone *: Phone *: Phone *		Delivered By: (Circle One)
TPH Tes No Add Phone #:	By: Date:	Relinquisbad By
TO T		
TPH PATEX	By: Date:	Relinquished E
NXXX CL- TPH BTEX	utung inds on repugance eta siry olea caluse whatsomed if Cardinal be liable for incidental or consequental damages rising out of or related to the performance of services here.	anayses, As claims incluses analyses, in no event shad officiates or succession, et
M ZID: 88241 Attn: 75-397-0397 Address; Phone #: OTHER: Pax #: ACID/BASE: PRESERV SAMPLING PARESERV SAMPLING ACID/BASE: PRESERV SAMPLING ACID/BASE: PRESER	y and Damagos. Cardhai's debidy and diant's exclusive or	PLEASE NOTE: LANSAY
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M ZID: 88241 Attn: 75-397-0397 Address: City: Phone #: Phone #: Fax #: Fax #: OTHER: ACID/BASE: ACID/BASE		
M ZID: 88241 Attn: 75-397-0397 Address: (G) (G) RAB OR (C) OMP. # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER ACID/BASE: ACID/BAS		
M Zip: 88241 Atm: 75-397-0397 Address: Zip: Phone #: PX Y City: Phone #: Preserv Sampling ACID/BASE: PRESERV SAMPLING ACID/BASE		
M Zip: 88241 Attn: 75-397-0397 Address: Zip: Phone #: OTHER: PRESERV SAMPLING ACID/BASE: ICE / COOL OTHER: PRESERV SAMPLING ACID/BASE: ICE / COOL OTHER: PRESERV SAMPLING X 2.20 9.00 X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		
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(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME C. L. TIME TIME	20108)
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M Zip: 88241 Attn: 75-397-0397 Address: 272 City:	Sample I.D.	Lab I.D.
M Zip: 88241 Attn: 75-397-0397 Address:	·	· ·
M Zip: 88241 Attn: 75-397-0397 Address: 2M mer: DXY City: Phone #: Fax #:		FOR LAB USE ONLY
Zip: 88241 Attn: 7	" Voft Orneles	Sampler Name:
Zip: 88241 Attn: 7 397-0397 Address: 27 City: State: Zip:	1/2/	Project Location:
21p: 88241 Attn:	MLMU-246	Project Name:
Zip: 88241 Attn: 6-397-0397 Address: 271	Project Owner:	Project #:
Zip: 88241 Attn:	-397-6388 Fax #:	Phone #: 575-397-6388
	State: NM	city: Hobbs
Company:	D. Box 805	Address: P.O. Box 805
P.O.#:	er: Cliff Brunson	Project Manager:
ANALYSIS REQUEST	ne: BBC International, Inc.	Company Name:

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

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 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 VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

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. Keene

Lab Director/Quality Manager

	,	



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)

mg/	k
-----	---

Analyzed By: AP

Result 96.0

16.0 05/13/2014

Analyzed

Method Blank ND

400

BS

% Recovery 100

True Value QC 400

Qualifier

Sample ID: SIDEWALL 2 (H401431-02)

_,	
ng/kg	Analyzed By: AP

Analyte

Chloride, SM4500CI-B

Reporting Limit Analyzed

Reporting Limit

Method Blank

ВŞ

% Recovery

100

True Value QC

Chloride

Chloride

96.0

96.0

Result

64.0

Result

16.0 05/13/2014 ND

400

400

RPD 0.00

RPD

0.00

RPD

0.00

RPD

0.00

Qualifier

Sample ID: SIDEWALL 3 (H401431-03)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Analyte

Result Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

Method Blank ND

BS 4በበ % Recovery

100

100

True Value QC

400

Qualifier

Chloride

Chloride

Sample ID: SIDEWALL 4 (H401431-04)

mg/kg

Analyzed By: AP

Analyzed 05/13/2014

05/13/2014

Method Blank ND

BS 400

% Recovery

True Value QC 400

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cliam 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 wholsoever 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 including, without limitation, business interruptions, loss of use, or loss of profits incurred by claims, 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 Laboratories.

Celey E. Kuna Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

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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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whilether 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 wawed 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 interruppions, loss of loss of profits incurred by client, fas subsidiants, affiliates or successors among out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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 Laboratomes.

Celeg & Keene

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Relinquished By: Delivered By: (Circle One) Time: 590 Phone Result: Fax Result: REMARKS:

1 Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2076

Sampler - UPS - Bus - Other:

Jennifer Gilkey

From:

Leking, Geoffrey R, EMNRD < Geoffrey R. 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 International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>

Sent: Tuesday, April 22, 2014 6:55 AM

To: Cliff P. Brunson

Cz: 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 < cbrunson@bbcinternational.com> 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

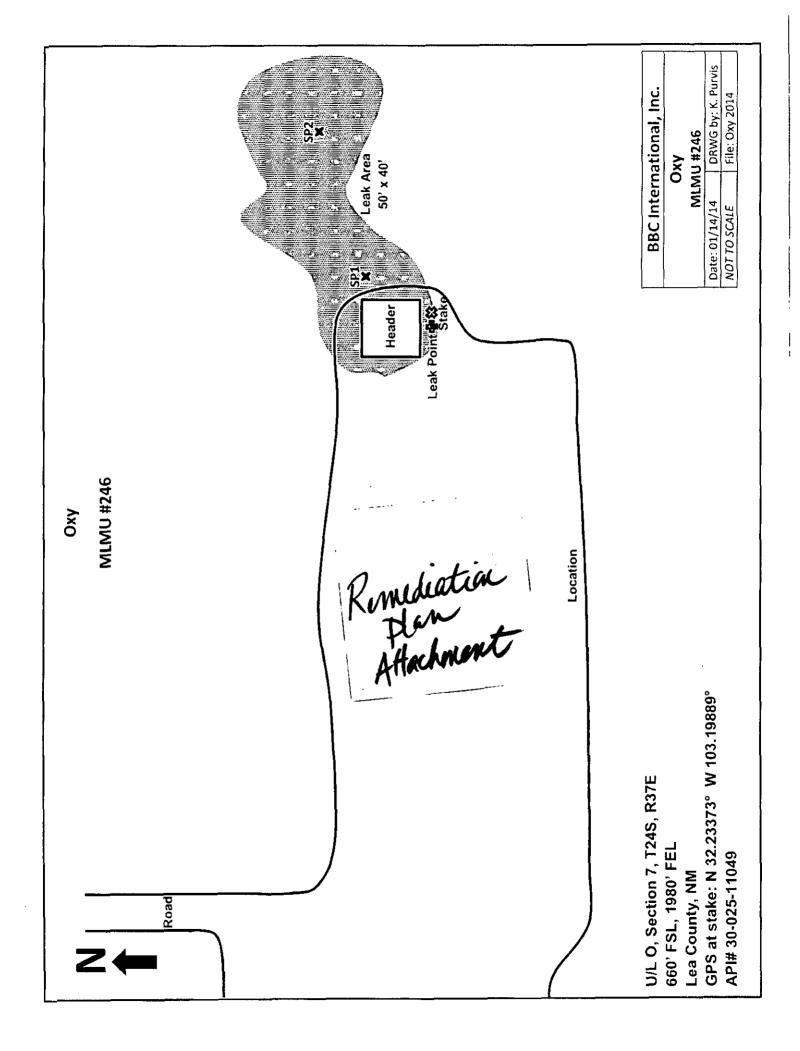
Cliff P. Brunson, CEI, CRS President 88C International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Habbs, NM 88240 USA Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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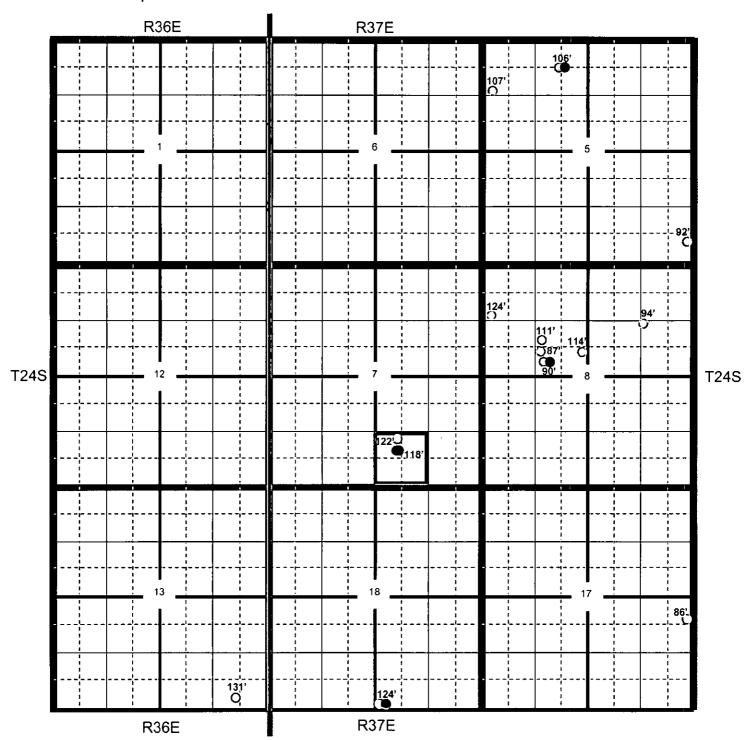


Groundwater Plot

Oxy MLMU #246

CountyUnit LetterSectionTownshipRangeLeaO724S37E

Trend Map >100'



♣ Location

OCD

●USGS

◆SEO

All Databases

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Section Quarters

Oxy MLMU #246

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

Trend Map >100'

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♣ Location

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USGS

• SEO

All Databases

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Laboratory Analytical Results Summary MLMU 246

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

		Cample	SP2 @	SB2 @ 4.
		Salipia	Surface	37.2
Analyte	Method	Date	2/20/14	2/20/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		e/u	050'0>
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		e/u	090'0>
Total Xylenes	BTEX 8021B		e/u	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		6240	<16.0
GRO	TPH 8015M		e/u	0.01>
DRO	TPH 8015M		е/⊔	<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 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 VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keene

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. Keene

Lab Director/Quality Manager

÷		



Analytical Results For:

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

(575) 397-0397 Fax To:

Received:

02/20/2014

Sampling Date: Sampling Type: 02/20/2014

Soil

Reported:

02/28/2014 MLMU #246

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NM

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

Chiada	CMAEGOCI D
unionae,	SM4500CI-B

m	'n	ı	ko

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/k	g	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	?						
Surrogate: Toluene-d8	101 %	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 %	65.7-14	I						
Chloride, SM4500Cl-B	mg/k	g	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 E. Kura

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

Result

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

TPH 8015M

mg/kg

Analyzed By: ms

Analyzed

••

200

Surrogate: I-Chlorooctane

Analyte

98.4%

65.2-140

Surrogate: 1-Chlorooctadecane

96.3 %

63.6-154

Reporting Limit

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

Chloride, SM4500CI-B

ma/

Analyzed By: AP

Analyte

Chloride

Result

6240

Reporting Limit Analyzed 16.0 02/27/2014

i

Method Blank ND

Method Blank

8S 416 % Recovery

% Recovery

True Value QC 400

True Value QC

RPD 0.00 Qualifier

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardanal's Babelty and chern'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 whatspeeve shall be deemed warved unless made in writing and received by Cardinal within uttiny (36) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiants, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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 Laborations.

Celey D. Keene, Lab Director/Quality Manager

Celey D. Keena

Page 3 of 6



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 MLMU #246

Sampling Type:

Soil

Project Name: Project Number: NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact 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	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	97.5	% 61.3-1+	2						
Surrogate: Toluene-d8	102 5	% 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	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	
Surrogute: 1-Chlorooctane	94.5	% 65.2-14	0						1
Surrogate: 1-Chlorooctadecane	97.2	% 63.6-15	4						

*=Accredited Analyte Cardinal Laboratories

PLEASE NOTE: Labeley and Damages, Cardana's bablety and client's exclusive remoty for any daim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cleridnal within thinty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, nethods 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 claims to 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 Laboratoms.

Celent Keene

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

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 innited 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 whom and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be labble for incidential or consequential damages, including those or incidential cardinal behaviors, loss of use, or loss of profits incidential or consequential damages, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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 approved of Cardinal Laborationes.

Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	BBC International, Inc.		神場期間 8/1月76 場間 間			ANALYSIS REQUEST	UEST	
Project Manager: Cliff Brunson	Cliff Brunson	•	P.O.#:					
Address: P.O. Box 805	30x 805	-	Company:			:		
city: Hobbs	State: NM	Zip: 88241	Attn: A			•		:
Phone #: 575-397-6388	Fax #: 575	575-397-0397	Address;) ZM				-	
Project #:	Project Owner: $\rho \chi \gamma$	OXY	City:					
Project Name:	MEMU -246		State: Zip:	;				
Project Location:	1/2/		Phone #:		_			_
Sampler Name:	Woff Orneles		Fax #:				·	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING		<u>_</u>		-	
		RS TER		 511	TE			
Lab I.D.	Sample I.D.	CONTAIN ROUNDW ASTEWA DIL LUDGE	THER:	C	93			
4	3010 Sufice	- X	<u>/</u>	8°				
7	/ / /	<u>5</u> 1 2	1 2.20 9.09	x x 6	7			
N	Sp2 Po Sufee	€	X 2.20 /03	×		,		
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PLEASE NOTE: Usbility and i analyses. All claims including i service. In no event shall Caro	PLEASE RUTE: Liability and Damages. Cardinate islasity and denthy sodusive manely for any claim arising hybrids based in contract or tot, shall be limited to the encount paid by the claim (in the analysis) analyses. All claims including flower for negligence and any other current which have a family on terminal white the spliciable service. In no event shall cardinate he liable for incidental or consequented damages, including visitous for service and shall be represented to the spliciable and the spliciable and the service and the serv	ny cialin arising whathar based in contract leemed welved unloss made in writing and without limitation, bustness interruptions,	i or tort, shall be limited to the emount peid by the clid d received by Cardinal within 30 days after completions of use, or loss of use, or loss of profits incurred by client, as su	lent for the on of the applicable ubandaries,	i		-	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-3952476

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Time:

Page 6 of 6

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

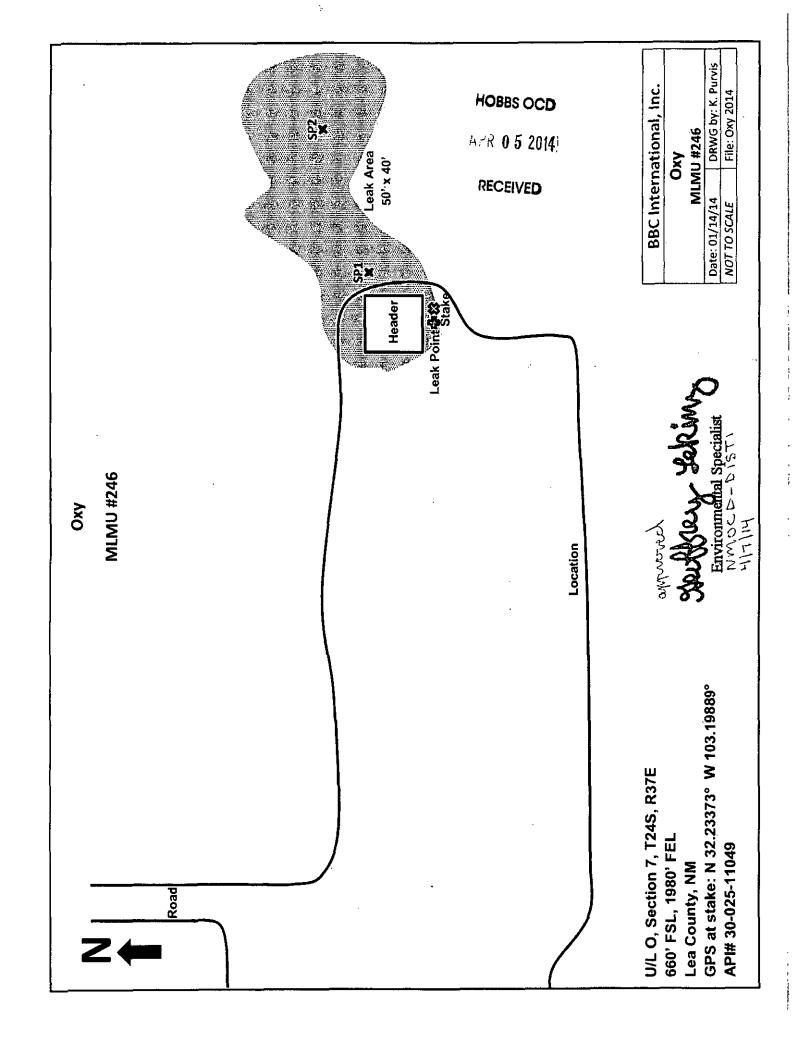
Form C-141 Revised August 8, 2011

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.

Release Notification and Corrective Action											
	OPERATOR Initial Report Final Repo										
	Name of Company Oxy Permian Ltd. Contact Chancey Summers Address 1017 W. Stanolind Rd, Hobbs, NM 88240 Telephone No. (575) 397-8216										
							Facility Type Well location				
Surface Ow				Mineral C							
Surface OW	LOCATION OF RELEASE										
Unit Letter	Section	Township	Range	LOCA Feet from the		N OF REI	EASE Feet from the	East/West Line	County		
	İ	-	i -		1101111	Dought Citie		Last West Line			
O 7 24S 37E 660 South 1980 East Lea County, NM								NM			
Latitude <u>N 32,23373°</u> Longitude <u>W 103,19889°</u>											
NATURE OF RELEASE											
Type of Release Produced water					Volume of 20 bbls	Release	Volume I 0 bbls	Recovered	,		
Source of Re		k in a 1" stair	iless steel	injection line at the	he		our of Occurrenc		Hour of Disco	very	
injection head		liven?				01/08/2014					
Was Immediate Notice Given? Yes No Not Required Geoffrey Leking-NMOCD, Jennifer Van Curen-BLM											
By Whom?	Kathy Pur					Date and Hour 01/09/2014 @ 3:42 pm					
Was a Watercourse Reached? ☐ Yes ☑ No						If YES, Volume Impacting the Watercourse.					
If a Watercou	rse was Im	nacted Descr				l		·			
110		p uriou , = 0001									
		I n	عادا المائية	T-1 W	···		 -				
Describe Cause of Problem and Remedial Action Taken.* A leak in the 1 inch stainless steel injection line at the injection header caused 20 bbls of produced water to spill onto the ground:											
A leak in the 1 inch stainless steel injection line at the injection header caused 20 bbls of produced water to spill onto the ground: No fluids were recovered and the line was repaired/replaced.											
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 immediately surrounding the header and flowed East into the pasture and/or red clay											
sand. Remed	sand. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.										
								derstand that purs			
regulations al	l operators or the envir	are required to coninent. The	o report an acceptanc	d/or file certain re e of a C-141 repo	etease no ort by the	otifications an NMOCD ma	d perform correct rked as "Final Re	ive actions for releport" does not rele	cases which m leve the operat	ay endanger or of liability	
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	contaminatio	on that pose a thre	at to ground water	, surface wate	r, human health	
federal, state,				tance of a C-141	report do	ses not relieve	the operator of r	esponsibility for c	ompliance with	a any other	
		5					OIL CONS	SERVATION	DIVISION	1	
Signature:	×==										
Printed Name	: Chance	y Summers				Approved by I	Environmental Sp	pecialist:	·····-		
Title: HES	Specialist					Approval Date	e:	Expiration	Date:		
E-mail Addre	ss: <u>Chan</u>	cey.Summers(@oxy.com		(Conditions of	ns of Approval: Attached				
Date: 1-	15-14		Phone:	(575) 397-821	6				, madion	_	
Attach Addit	ional Shee	ets If Necess			1						

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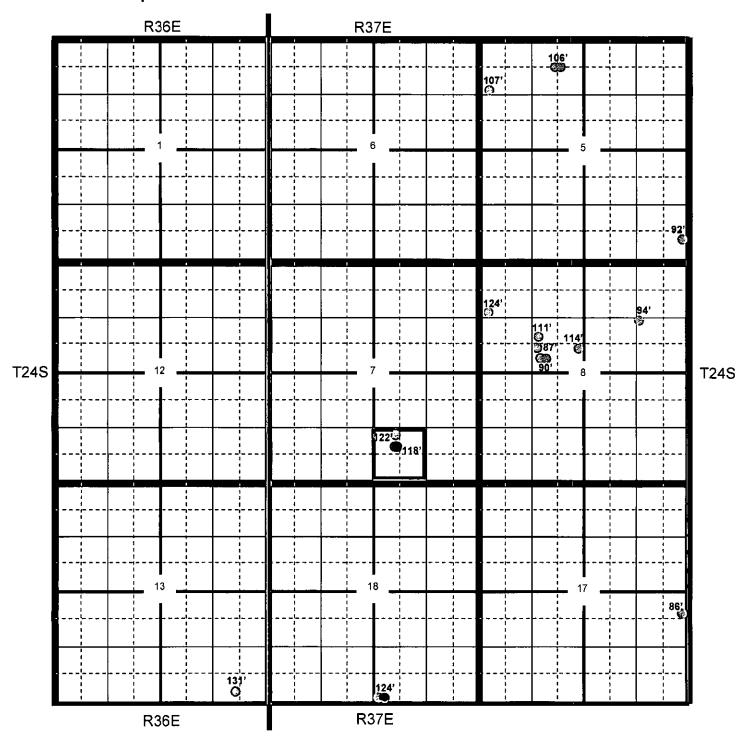


Groundwater Plot

Oxy MLMU #246

CountyUnit LetterSectionTownshipRangeLeaO724S37E

Trend Map >100'



Location

• OCD

●USGS

⊚SEO

All Databases



Section Quarters

Oxy MLMU #246

CountyUnit LetterSectionTownshipRangeLeaO724S37E

Trend Map >100'

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◆ Location ◆ OCD ◆ USGS ◆ SEO . ◆ All Databases

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Laboratory Analytical Results Summary MLMU 246

		Sample	SP169 Surface	, SP1 @.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		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
			ву/вш	g/kgm
Benzene	BTEX 8021B		e/u	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		п/а	<0.050
Total Xylenes	BTEX 8021B		e/u	<0.150
Total BTEX	BTEX 8021B		u/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 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 VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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. 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

Reported:

02/28/2014 MLMU #246

Project Name: Project Number:

NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

02/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			_		
Analyte	Result	Reporting Umit	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	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	97.1	% 61.3-14	2	"					
Surrogate: Toluene-d8	101 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 9	65.7-14	7						
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	

Cardinal Laboratories

DRO >C10-C28

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02/26/2014

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

<10.0

10.0



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

02/20/2014

Reported: Project Name: 02/28/2014

Project Number:

MLMU #246 NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

02/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

TPH	8015M	
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Analyzed By: ms

Analyte

Result Reporting Limit

Analyzed

Method Blank

% 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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Celey D. Kuna

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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

Reported:

02/28/2014 MLMU #246

Project Name: Project Number:

NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

02/20/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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	1.98	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	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 5	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	g Analyzed 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: 1-Chlorooctane	94.5	% 65.2-14	0				<u> </u>		
Surrogate: 1-Chlorooctadecane	97.2	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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 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 liable for accidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clerkt, its subsidiance, 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. 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°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Lability and Damages Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or toxt, 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 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 client, its subsediance, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

Project Manager: Cliff Brunson Company Name: BBC International, Inc. City: Hobbs Phone #: 575-397-6388 Address: P.O. Box 805 H400525 PLEASE NOTE: Liability and Damages. Cardinal's netyates. All claims including those for regigence service. In no event shall Cardinal be bable for incir. Project Name: roject #: Lab I.D. FOR LAB USE ONLY roject Location: ımpler Name: Sample I.D. vneles Project Owner: 0XY Fax #: 575-397-0397 State: NM Zip: 88241 15) 393-2476 000 (G)RAB OR (C)OMP. WASTEWATER MATRIX SOIL in carritact or toot, shall be finited to the emount paid by the client for the nerthing and received by Cardinal within 30 days after completion of the applicable temptions, lose of use, or loss of posits incurned by client, its substitution, OIL SLUDGE City: P.O. #: State: Fax # Attn: Company: Phone #: Address: ACID/BASE: ICE / COOL BILL TO SEE OTHER Zip: 2.20 2.20 2.20 7:00 DATE 9.09 10.40 TIME **ANALYSIS** REQUEST

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

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Time:

Relinquished By:

Phone Result:
Fax Result:
REMARKS:

Page 6 of 6

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