										PJXK1535154222		
		HOB	BS OCI	0						41834		
District I 1625 N. French District II 811 S. First St., District III	Dr., Hobbs, Artesia, NM			Sta Energy Min	nerals	of New Mexico als and Natural Resources			Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in			
1000 Rio Brazo District IV 1220 S. St. Fran	s Road, Azte	c, NM 87410	FCEIVE			servation Division Subr outh St. Francis Dr.			accordance with 19.15.29 NMAC,			
1220 S. St. Fran	eis Dr., Sant	a Fe, NM 8758			-	Fe, NM 87505						
			Rel	ease Notific	atio			ctior	1	÷		
Name of Co		Oxy Permia	n Ltd			OPERA Contact	TOR Chancey Summe	15	Initia	al Report 🛛 Final Report		
Address	1017 W. S	tanolind Rd,		NM 88240		Telephone 1	No. (575) 397	-8216				
Facility Nat		//U #139				Facility Typ	e Well locati	on				
Surface Ow	ner Kell	ly Myers		Mineral O				<u> </u>	API No	0. 30-025-11020		
Unit Letter	Section	Township	Range	LOCA Feet from the		N OF RE	Feet from the	Fast/	West Line	County		
F	6	245	37E	1980		North	1980 <u>1980</u>		West	Lea County, NM		
			l	Latitude <u>N 32.2</u> 4			de <u>W 103.2030</u> E A S E	<u>0</u>				
Type of Rele	ase Oila	nd Produced v	water		URE	OF REL	Release	_		Recovered		
Source of Re	lease Lea	k in a 2.375"	steel prod	uction flow line			57 bbls produced Iour of Occurrenc			, 50 bbls produced water Hour of Discovery		
Was Immedia	ate Notice C	liven?				07/21/2013				· · · · · · · · · · · · · · · · · · ·		
Was Immediate Notice Given?					quired	ed Geoffrey Leking-NMOCD, Jennifer Van Curen, James Amos-BLM						
By Whom? Rachel McPherson Date and Hour Was a Watercourse Reached? if YES, Volume I							7/25/2013 @ 2:06 pm pacting the Watercourse,					
			Yes	No								
If a Watercou	urse was Imj	pacted, Descri	ibe Fully.*	*			- ··					
Ĩ												
Describe Cau	se of Proble	em and Remed	dial Action	n Taken.*		-						
				sed 3 bbls of oil ar was repaired or re			ed water to leak or	nto the	ground. A	vacuum truck recovered 2 bbls		
Describe Area	a Affected a	und Cleanup A	ction Tak	cn.*								
										pleted in accordance with the A via email on 03/09/2014.		
regulations al public health should their o	l operators : or the envir perations ha ment. In ad	are required to onment. The ave failed to a ddition, NMO	o report an acceptanc dequately CD accep	d/or file certain re e of a C-141 repor investigate and re	lease no t by the mediate	otifications ar NMOCD ma e contamination	nd perform correct arked as "Final Re on that pose a thre	tive act: port" d rat to gr	ions for rele loes not reli round water	uant to NMOCD rules and cases which may endanger eve the operator of liability ; surface water, human health compliance with any other		
	\langle	\geq		\mathcal{A}			OIL CONS	SERV	ATION	DIVISION		
Signature:				>				. .				
Printed Name	: Chance	y Summers				Approved by	Environmental Sp	becialis	t: 			
Title: HES	Specialist				4	Approval Dat	e:		Expiration I	Date:		
E-mail Addre	ss: <u>Chan</u> e	ey.Summers(<u>@oxy.com</u>	<u> </u>		Conditions of	Approval:					
	15-1		Phone:				-			Attached		
Attach Addit	ional Shee	ts If Necessa						-		······		

HOBBS	DCD
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State of New Mexico

APR 17 2014Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 AP District III 1000 Rio Brazos Ruad, Aztev, NM 87410 District IV

Oil Conservation Division

Submit 1 Copy to appropriate District Office in accordance with 19,15,29 NMAC.

District IV 1220 S. St. Fran	cis Dr., Santa	a Fe. NM 8750	RECEIV	ED 1220 Sa		h St. Franc Fe, NM 875					
			Rel	ease Notific	catio	n and Co	orrective A	ction			ويوديدها التعاني
						OPERA	ГOR	- 🛛 Init	ial Report	🗌 Final	Report
Name of Co		Oxy Permia					Chancey Summe		+±.,		
		tanolind Rd,	Hobbs, I	NM 88240		Telephone I					
Facility Nat	ne MLN	AU #139				Facility Typ	e Well locati	on	<u> </u>]
Surface Ow	ner Kell	ly Myers		Mineral C)wner			API N	o. 30-025-1	1020	
				LOCA		N OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North	v/South Line	Feet from the	East/West Line	County		
F	6	245	37E	1980	 	North	1980	West	Lea Count	y, NM	
			I	Latitude <u>N 32,2</u>	: <u>4809</u> :	Longitu	de <u>W 103.2030</u>	<u>8°</u>			
				NAT	URE	OF REL	EASE				
Type of Rele	ase Oil a	nd Produced v	water			Volume of			Recovered		
Source of Re	enco Lon	k in a 2 775"	steel prod	uction flow line			57 bbls produced lour of Occurrenc		1. 50 bbls pro I Hour of Dis		
Source of Re	case Lea	IX III d 2	steer prou			07/21/2013			I HOUL OF DIS	LOVELY	
Was Immedia	ate Notice (Yes [No 🗌 Not Re	equired	If YES, To Geoffrey L	Whom? .eking-NMOCD, .	Jennifer Van Cur	en, James Arr	os-BLM	
By Whom?	Rachel M	cPherson			<u> </u>						
By Whom? Rachel McPherson Date and Hour 07/25/2013 @ 2:06 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.											
☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.*											
		em and Reme									
A leak is a 2. of oil and 50	375" steel p bbls of proc	production flo Juced water a	w line cau nd the line	sed 3 bbls of oil a was repaired or r	nd 57 l eplaced	bbis of produc d.	ed water to leak o	nto the ground. A	vacuum truc	k recovered 2	! bbls
Describe Are	a Affected a	and Cleanup /	Action Tal	en.*							
The affected remediation p					timatel,	y 200' South c	of Satellite 3. Ret	mediation will be	completed in	accordance w	vith a
regulations al public health should their o	l operators or the envir perations h ument. In a	are required to ronment. The ave failed to a ddition, <u>NMC</u>	o report ar acceptanc adequately <u>CD</u> accep	d/or file certain r te of a C-141 repo investigate and r	elease i ort by th emedia	notifications and ne NMOCD me te contamination te contamin	knowledge and u nd perform correc arked as "Final R on that pose a thre e the operator of t	tive actions for re eport" does not re eat to ground wat	leases which lieve the oper er, surface wa	may endanger ator of liabilit ter, human he	r ty ealth
)			OIL CON	SERVATION	DIVISIO	<u>DN</u>	
Signature:			\ge	/							
Printed Name	: Chance	y Summers				Approved by	Environmental S	pecialist:			
Title: HES	Specialist					Approval Dat	le:	Expiration	Date:		
E-mail Addre	ss: <u>Chan</u>	cey.Summers	@oxy.com	<u>1</u>]	Conditions of	f Approval:		Attached	П	
Date:	- 110-	14	Phone:	(575) 397-821	6						
* Attach Addit	ional Shee	IS IF Necess							<u> </u>		

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Closure Report

HOBBS OCD

APR 17 2014

	Site Description	રેંગ્ <u>િ</u> માન્ય <u>ત</u> ્
Site Name:	MLMU #139	
Company:	Oxy Permian Ltd.	
Legal Description:	U/L F, Section 6, T24S, R37E	
County:	Lea County, NM	
GPS Coordinates:	N 32.25274° W 103.20142°	

Release Data

i	
Date of Release:	07/21/2013
Type of Release:	Oil and Produced water
Source of Release:	Leak in a 2.375" steel production flow line
Volume of Release:	3 bbls oil and 57 bbls produced water
Volume Recovered:	2 bbls oil and 50 bbls produced water

	Remediation Specifications						
Remediation Parameters:	Collect a botton	epth of 7.5 feet across the entire leak site. n sample (at 7.5 feet) to verify TPH is below the ackfill the excavation area with clean soil.					
Remediation Activities:	vities: 03/31/2014 to 04/04/2014						
Plan Sent to OCD:	03/08/2014	Email from Cliff Brunson to Geoffrey Leking					
OCD Approval of Plan:	03/11/2014	Email from Geoffrey Leking to Cliff Brunson					
Plan Sent to BLM:	03/08/2014	Email from Cliff Brunson to J. Van Curen					
BLM Approval of Plan:	03/09/2014	Email from J. Van Curen to Cliff Brunson					

	Supporting Documentation
Initial C-141	Signed 01/16/2014
Final C-141	Signed 04/15/2014
Site Diagram	February 2014
Groundwater Plot	150'
TOPO Maps	February 2014
Lab Summary	02/11/2014 and 04/02/2014
Lab Analysis	02/11/2014 and 04/02/2014
Correspondence	Request and approval of remediation plan via email

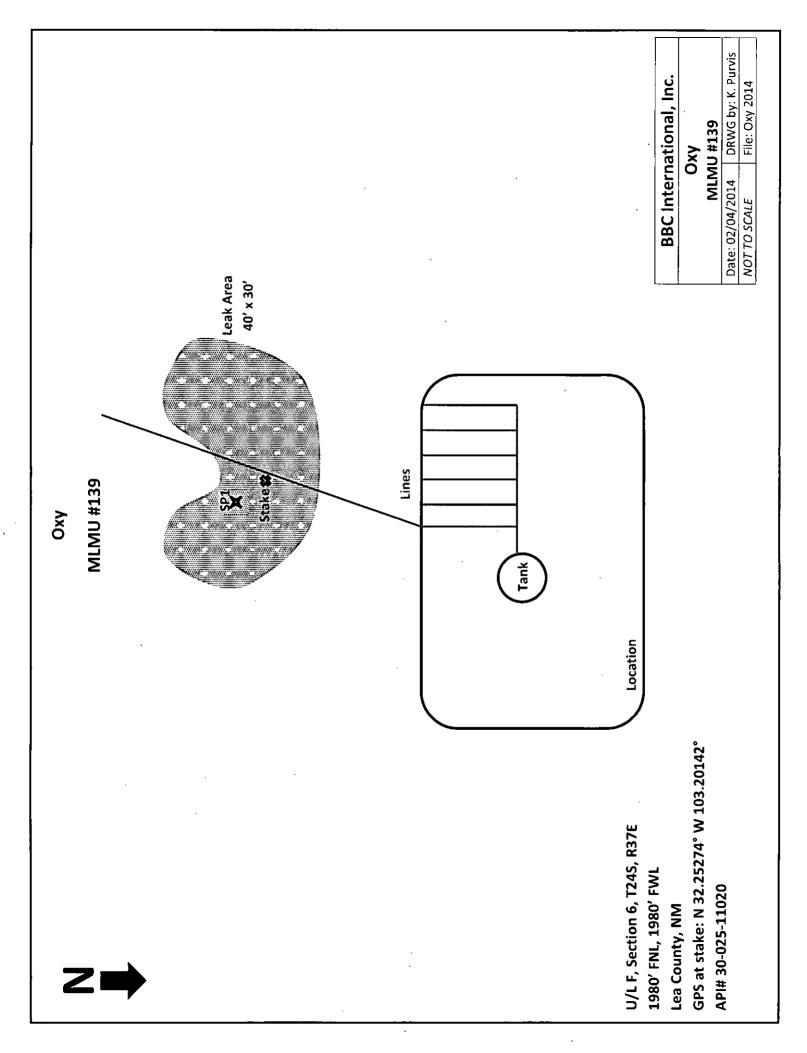
Request for Closure

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.

04/16/2014

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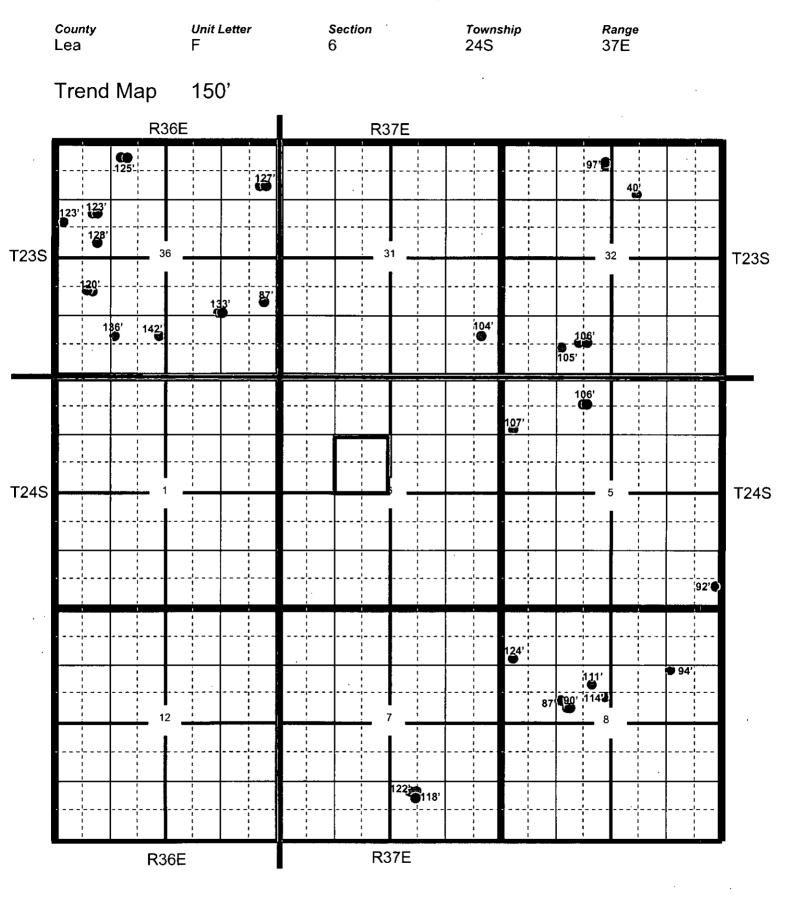


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Groundwater Plot

Oxy MLMU #139

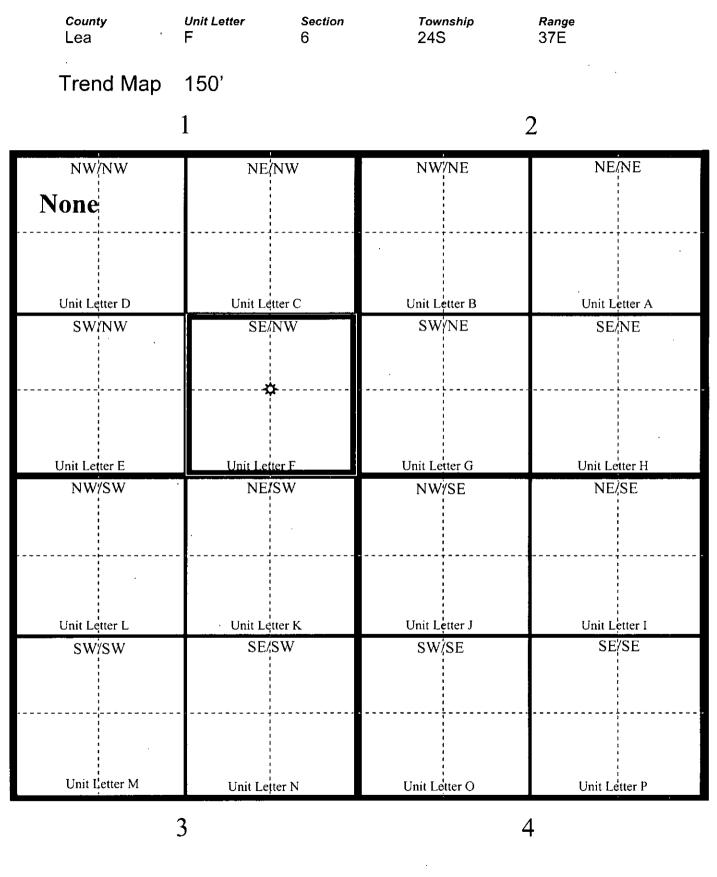


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Section Quarters

Oxy MLMU #139



✿ Location

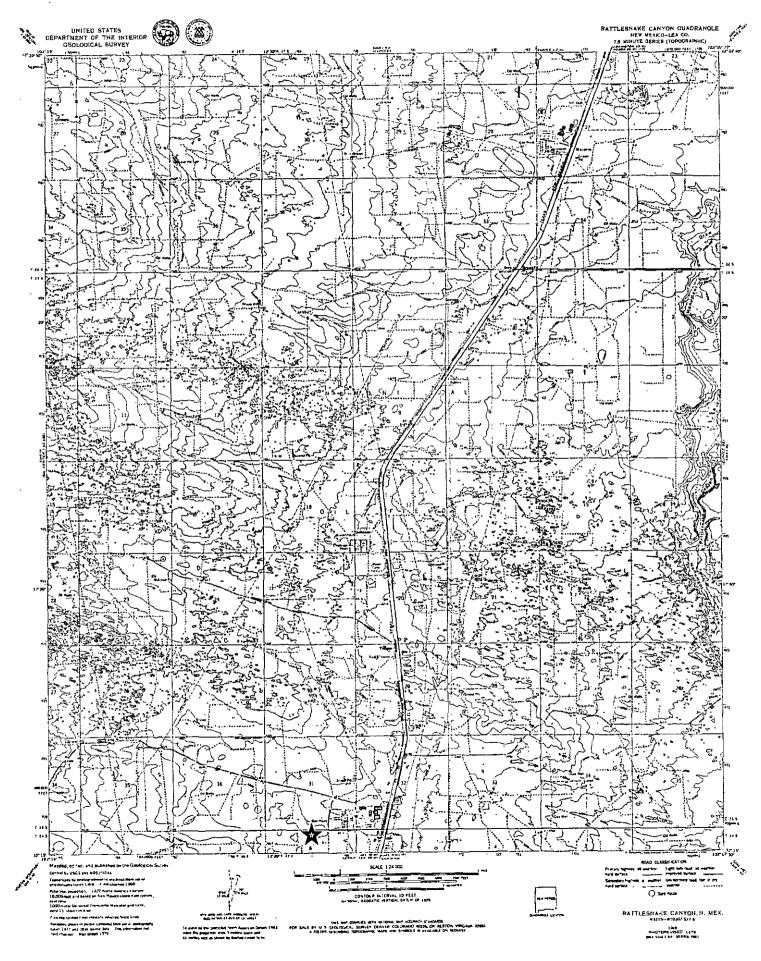
• OCD

• USGS

SEO

Оху

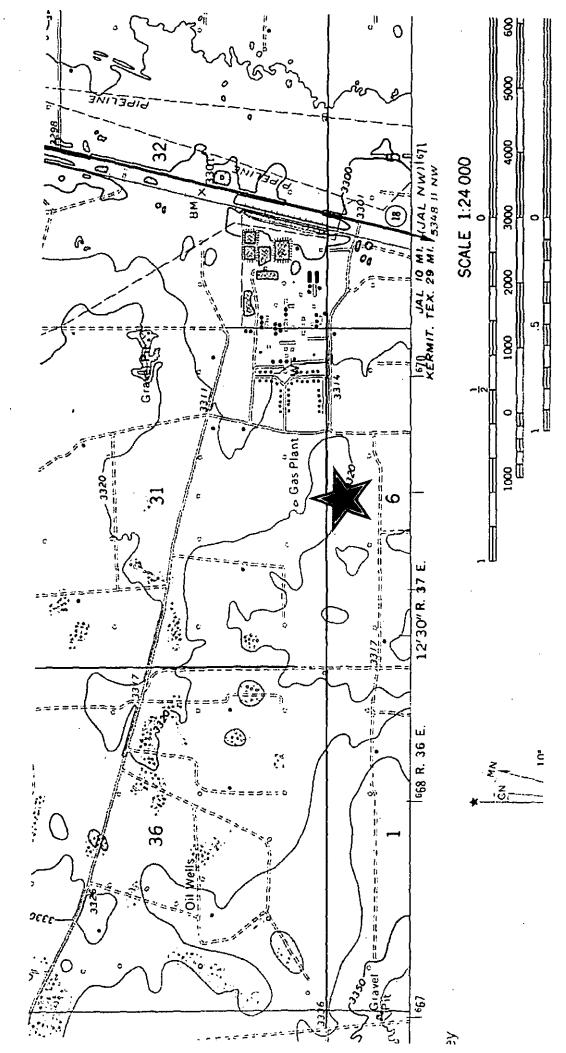
MLMU #139



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Oxy

MLMU #139



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Laboratory Analytical Results Summary MLMU #139

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		Sample	த்துக்	SPI @B	හෙමන	হেম@ড	ଅକ୍ତନ	ହୋତ୍ତତ	භෙලඟ
Analyte	Method	Date	211/14	2/11/14	2/11/14	2/11/14	2/11/14	2/11/14	2/11/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	e/u	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0:050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	e/u	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1070	1090	1520	1020	2290	400	128
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		14.5	355	n/a	n/a	n/a	n/a	n/a

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Laboratory Analytical Results Summary MLMU #139

		Sample	BOTTOM SAMPLET
Analyte	Method	Date	4/2/14
			mg/Kg
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



February 19, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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 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,

Celey D. 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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	95.9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/14/2014	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Алајуze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: 1-Chlorooctane	110 %	65.2-14	0				·····		
Surrogate: 1-Chlorooctadecane	112 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's lability and clent'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 daims, including those for negligence and any other cause whistoever shall be deemed waved unless made in writing and received by claims, including those for negligence and including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successon ansing 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 note performance of claim laboratores.

Celeg 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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2,00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND			•		
Surrogate: 4-Bromofluorobenzene (PIE	95.2	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	02/14/2014	ND	416	104	400	3.92	
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	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: I-Chlorooctane	111 9	65.2-14	0						

Chloride, SM4500CI-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery Chloride 1520 16.0 02/14/2014 ND 416 104 400 3.92

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*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

		BBC Interr Cliff Bruns P.O. Box & Hobbs NM	305		
		Fax To:			
Received:	02/12/2014		Sampling Date:	02/11/2014	
Reported:	02/19/2014		Sampling Type:	Soil	
Project Name:	MLMU #139		Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson	
Project Location:	JAL, NM				

Sample ID: SP 1 @ 5' (H400421-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride ·	2290	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92	

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Celey Di Kune

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

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*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6

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Delivered By: (Circle One) Sampler - UPS - Bus - Other † Cardinal cannot accept	Relinquished By: Relinquished By:	PLEASE HOTE: Labelity and Damages. Candinai's labelity a service. In or every clual Candina is bable to modifyence and any service. In no every clual Candina to Sube for modifyential or peliates or successor arbitry of old prevention	16		<i>.</i> μγ		Lab I.D. H4DDY721	Sampler Name:	Project Location:	Project #:	Phone #: 575-397-6388	obs	Address: P.O. B	Company Name: Project Manager:	ARI
Sample Condition CHEC Cool Intert Cool Intert Intert	Date: Tipp: Date: Time:	snages. Cardinal's lability and clarith exclusive ner cas be negligence and any other cause whateover at the active for incidential consequential demages. at the releved on the performance of services from the		0 0 1 1 1 0 0 0		50101	Sample I.D.	Verte Ornelat	ter nutra		7-6388 Fax #:		Box 805	BBC International, Inc. Cliff Brunson	IRDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
1 - Lo Cool Intact Cool Intact No No No No No Striken	14 Repeived By: 25 COOL J Referved By:	nery cire my clean artistry whether based in contract or to shady for any clean artistry whether based in contract or to shad bo dearmed webred unless made in writing and mo- shad by writing installation, based interruptions, base index by Cearting, completes of which provide the top of order by Cearting, completes of which provide the top of order by Cearting, completes of which provide the top of order by Cearting, completes of which provide the top of order by Cearting, complete so which provide the top of order by Cearting, complete so which provide the top of order by Cearting, complete so which provide the top of order by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of other by Cearting, complete so which provide the top of the top of other by Cearting, complete so which provide the top of the top of other by Cearting, complete so which provide the top of top of the top of the top of					(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE			owner: 0 yy	575-397-0397	State: NM 2ip: -88241			7/ES 1 88240 3-2476
o 505-393-2478	lenson	est in contract or tors what he finished to the ensuint paid by the cleart for the interruption of the sound within 30 days after comparison of the applica thermultics, less of use, or less of profits incurred by clean, it is subsidiaries, interruptions, box of use of profits incurred by clean, it is subsidiaries, interruptions after of the above stillate reasons of community.				×	OTHER :	Fax #:	Phone #:		Address: UZUD 0	Attn:	Company:	P.O. #:	
	Phone Result:	y the client for the morbelion of the splittable nJ, its subsidiaries. ng or otherwise.	330 ×	751 751 751 8	$\frac{1119}{144} \times \times \times$	X X X	TIME CL-								- P-
	11 No Add'i Phone # 11 No Add'i Fax #:						<u> </u>	×.		,				ANALYSIS	rody and an
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April 03, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 04/02/14 14:45.

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.tcea.texas.gov/field/ga/lab 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 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:	04/02/2014	Sampling Date:	04/02/2014
Reported:	04/03/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: BOTTOM SAMPLE (H400981-01)

TPH 8015M	mg,	'kg	Analyze	d By: ms				<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2014	ND	187	93.4	200	1.94	
DRO >C10-C28	<10.0	10.0	04/02/2014	ND	216	108	200	2.56	
Surrogate: 1-Chlorooctane	98. I	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.1	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Labelity and Damages. Cardinal's labelity and dient's exclusive remedy for any claim analog, 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 warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be deemed warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be deemed warved unless made in writing and received by Cardinal writin thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidential or consequential damages, including, without limitation, business interruptions, loss of uses, or loss of profits incurred by client, is subsidiantes, affaites or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based uncert stated reasons or otherwise. Results related to the cardinal approval of cardinal albeotationes.

Celey Di Kune

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 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: Labeley and Damages. Cardinal's Babety and client's eviduative 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 neglegence and any other cases whitscener shall be deemed waved unless made in writing and received by claims, including those for neglegence and shading, webook limitation, business interruptions, loss of use, or loss of profits incurred by claims, as ublactanes, affiliates or successors arising 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 inclined by claims (a successors) in fail with interness.

Celey Di Kuna

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

† Cardinal cannot accept verbal ch	Refinquíshed By:	Mr. Le	PLEASE NOTE: Ludity and Usimages. Cardonals labelity and dienty analyses. At dams including Proce for metglemes and any outcars service. In no even shall Cardonal ha Boble for Industrial or conseque anitherin or excounters of any releval to the performance of a			Bottom Sample	H4009%/	Lab I.D. Sample I.D	FOR LVB USE ONLY	Sampler Name: Roger Hernandez	Project Location:	ame: MLMU 139		5-397-6388	city: Hobbs	Address: P.O. Box 805	Project Manager: Cliff Brunson	Company Name: BBC International, Inc.	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
<u>]</u> / 8	Inter Condition	ived By: MACM	assed in contract or lori, shall be limited rise in uniting and necessed by Cardhell as interruptions, hose of use, or loss of J may such claim is based unon pay of S				# CONT	OR (C)OM AINERS DWATER WATER SE: SSE: SOL	MATRIX PRESERV	12 · Fax #:	Phone #:		Project Owner: OXY City:	Fax #: 575-397-0397 Address:	State: NM Zip: 88241 Attn:	Company:	P.O. #:	מט כבי נבינבינוסי	ATORIES bbs, NM 88240 305) 393-2476
	RUSH	Phone Result: D Yes Fax Result: D Yes REMARKS:) by smooth put by the Carel for the Care 30 days after completen of the explicitle Mits round by claret, its subsidiaries, phone tailed meaning or allowaries,			4-2-14 12:40 pm 🖌	DATE TIME		SAMPLING	I		Zip:						BILL NO winn annuit ANALYSIS	CHAIN-OF-CUSTODY AND AN
	` .																	REQUEST	TODY AND ANALYSIS REQUEST

Page 4 of 4

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Kathy Purvis

From:	Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us></geoffreyr.leking@state.nm.us>
Sent:	Monday, March 10, 2014 7:14 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-MLMU #139-Remediation Plan

Cliff

As per the below email and attachment as well as our meeting of 3/6/14, the remediation plan for the MLMU #139 is approved.

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, March 08, 2014 5:44 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-MLMU #139-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on March 6, 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 7.5 feet across the entire leak area as 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) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com • . · .

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Kathy Purvis

From:	Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us></geoffreyr.leking@state.nm.us>
Sent:	Tuesday, March 11, 2014 9:29 AM
То:	Cliff P. Brunson
Cc:	Chancey_Summers@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

Thank you. I had no record of discussing surface scraping here. I did review the data and saw that only surface scraping was appropriate before I sent the prior email. I should have worded comment 3 more appropriately. Surface scraping at the SP3 location is approved. 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: Monday, March 10, 2014 7:59 PM
To: Leking, Geoffrey R, EMNRD
Cc: <u>Chancey Summers@oxy.com</u>; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Geoff,

Here are my comments to your 3 points below:

- 1. We will collect a sample at 7.5 feet to verify TPH is below the RRAL.
- 2. The entire spill area will be excavated to 2 feet and lined as requested.
- 3. If you would please review the lab data associated with SP3 again. There is no need to excavate this area to 3.5 feet. We respectfully ask you to reconsider as you and I had discussed to only conduct surface scraping in this area. Please advise.

Thank you,

Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists

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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) 397-6387 E-Mail: <u>cbrunson@bbcinternational.com</u>

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From: Geoffrey Leking <<u>geoffreyr.leking@state.nm.us</u>>
Date: Monday, March 10, 2014 10:19 AM
To: Cliff Brunson <<u>cbrunson@bbcinternational.com</u>>
Cc: C J Summers <<u>Chancey Summers@oxy.com</u>>
Subject: Additional Comments on MLMU #139, Gillully B Federal #18 and Warren McKee Unit #501

Cliff

- 1) MLMU #139 Please collect a sample at 7.5' for TPH to verify that the concentration remained below the RRAL at this depth.
- 2) Gillully B Fed #18 Please excavate to 2' and line @ SP1 as you are planning to do at SP2 and SP3. Please clarify if this is not possible.
- 3) Warren McKee Unit #501 Please verify that you are excavating to 3.5' across the entire site as the figure displays only scraping at the SP3 area.

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

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Kathy Purvis

From:	Van Curen, Jennifer <jvancure@blm.gov></jvancure@blm.gov>
Sent:	Sunday, March 09, 2014 4:24 PM .
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: OXY-MLMU #139-Remediation Plan

Approved. Will need like approval from Kelly Myers. Mr. Myers can pick the seed also. Thanks

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

On Sat, Mar 8, 2014 at 5:43 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 7.5 feet across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

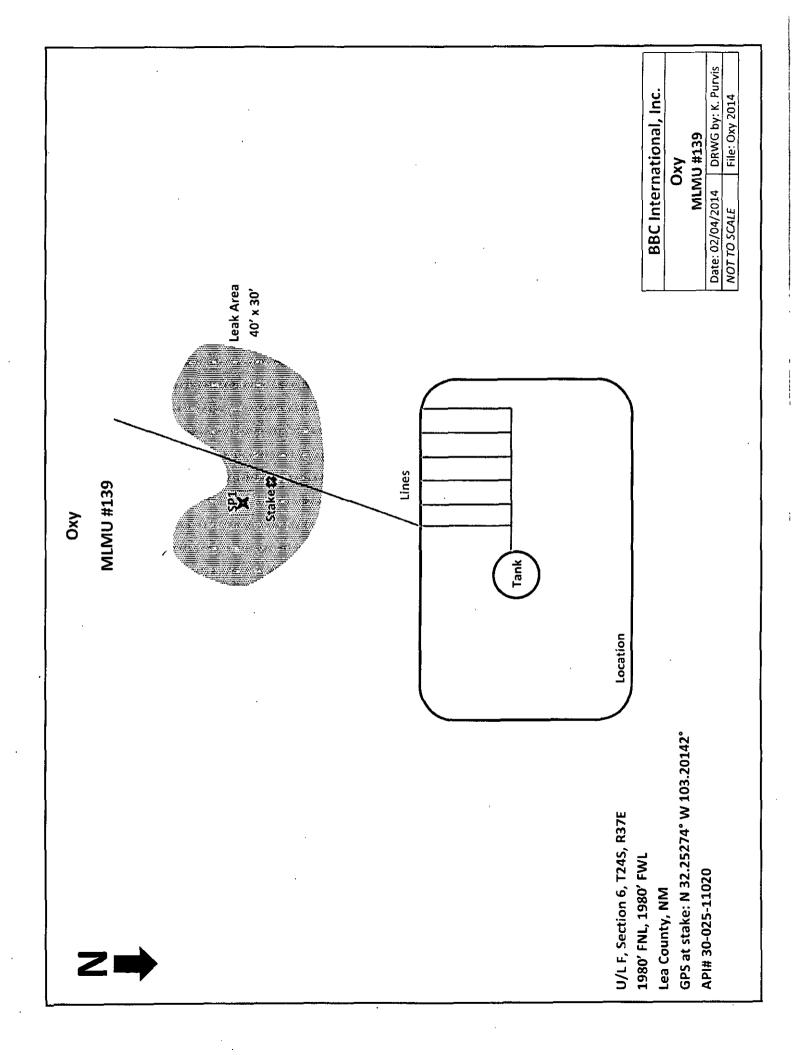
If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

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) 397-6397 E-Mail: <u>cbrunson@bbcinternational.com</u>

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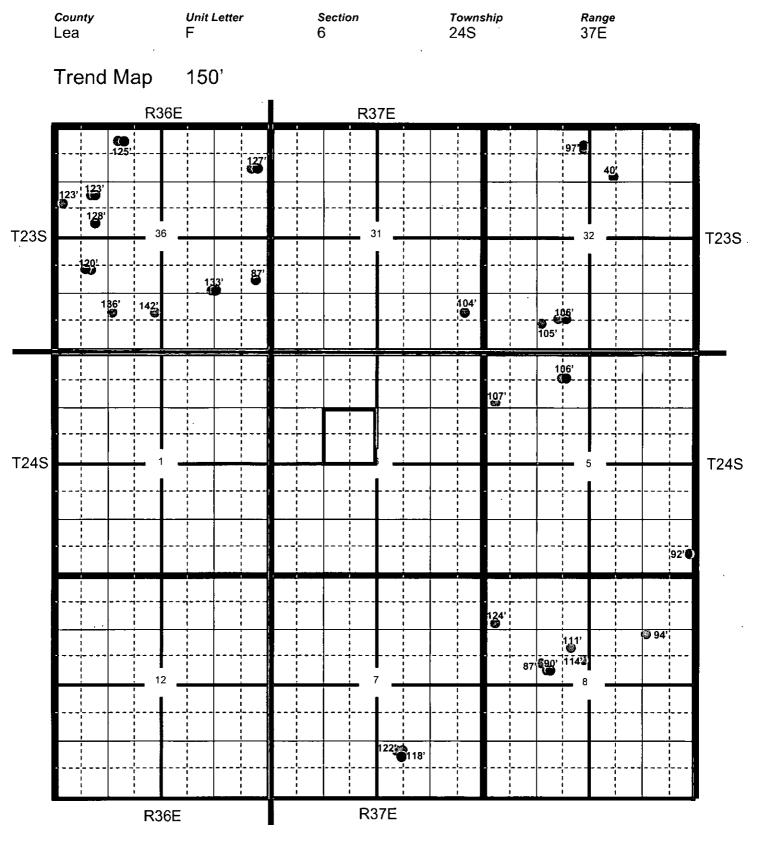


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Groundwater Plot

Oxy MLMU #139



Location

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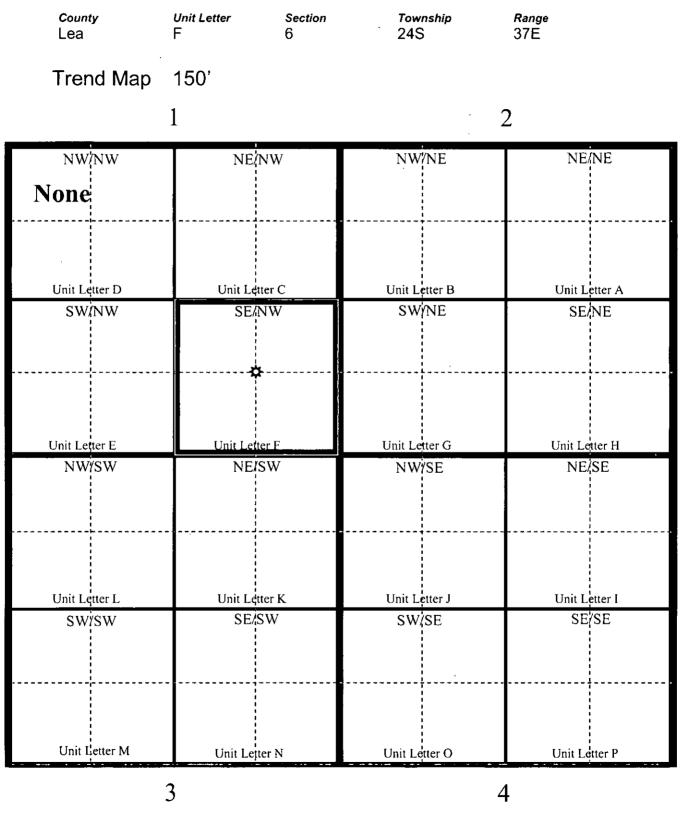
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Section Quarters

Oxy MLMU #139



Location

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Laboratory Analytical Results Summary MLMU #139

		Sample	ય@ાનક)	કાગાઉર્થ	තොලභ	<u>হেম©ଡ</u>	জা©চ	SNO0.	ହୋତ୍ତଙ
Analyte	Method	Date	\$L/11/Z	2/11/14	2/11/14	2/11/14	2/11/14	2/11/14	2/11/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	e/u	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethy ibenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1070	1090	1520	1020	2290	400	128
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		14.5	355	n/a	n/a	n/a	n/a	n/a

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February 19, 2014

Cliff Brunson BBC International, Inc. P.O. Box 805

Hobbs, NM 88241

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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/ga/lab 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,

Celey D. Keine

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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.9%	6 89.4-12	6,.						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/14/2014	ND	400	100	400	3.92	
TPH 8015M	mg/l	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	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: 1-Chlorooctane	110 %	6 65.2-14	0						
Surrogate: 1-Chlorooctadecane	112%	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey 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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS				•	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.2 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	02/14/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate; 1-Chlorooctadecane	120 %	63.6-15	1						

Sample ID: SP 1 @ 3' (H400421-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	02/14/2014	ND	416	104	400	3.92	

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:	02/12/2014		Sampling Date:	02/11/2014
Reported:	02/19/2014	•	Sampling Type:	Soil
Project Name:	MLMU #139		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Jodi Henson
Project Location:	JAL, NM			

Sample ID: SP 1 @ 5' (H400421-04)

Chloride, SM4500Cl-B	mg_	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2290	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92	

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Celey E. Kune

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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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

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Celey E. Keene

Celey D. Keene, Lab Director/Quality Manager

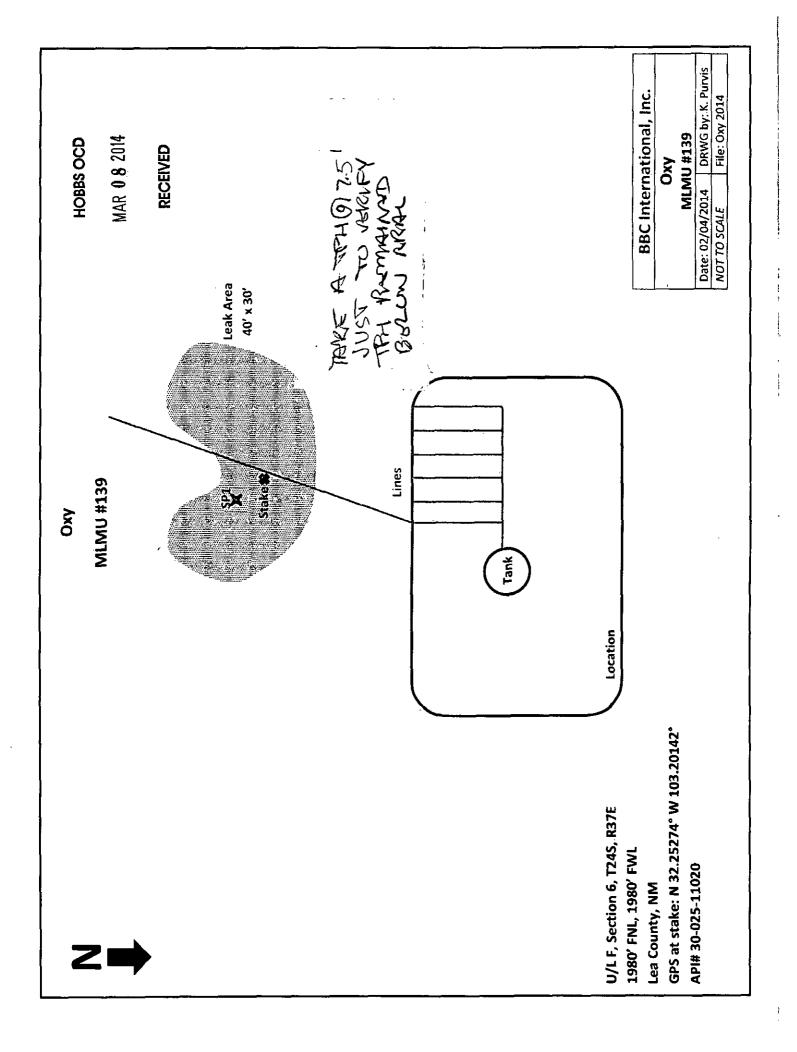
Page 5 of 6

LABORATORIES CHAIN-OF-CUSTODY Nariand, Hobbs, NM R820 3326 FAX (563) 393-747 Fill State	antes, in or event stal Cadrati be table for notestation or or affletine or accessions which governotes the perform Relinquished By:	PLEASE NOTE: Lasking and Osemagos, Caldina's lability and dis analyses. At claims biological to a fin registrance and any offer o analyses. And claims biological to a fin registrance and any offer o analyses.	Je (scmp)	FOR LAB USE ONLY Lab I.D. HUDDY[7]	e: 101	Company Name: BBC In Project Manager: Cliff Br Address; P.O. Box 805	ARDI 101 E
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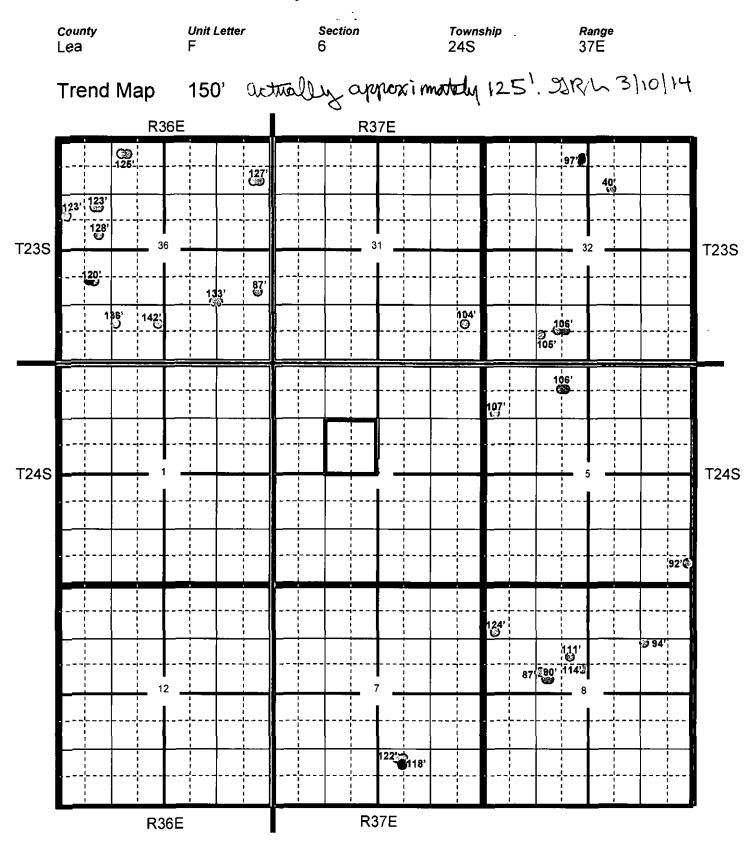
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Groundwater Plot

Oxy MLMU #139



Location

• OCD

USGS

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Section Quarters

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Oxy MLMU #139

County Lea	<i>Unit Letter</i> F	6 245	5	<i>Range</i> 37E	
Trend Map	150' actral	ly approximate	ty1251.	SRL3110/14	
	1		2		
NW/NW	NE/NW	NW	NE	NE/NE	¹
None					
Unit Letter D	Unit Letter (C Unit L	etter B	Unit Letter A	
SW/NW	SE/NW		/NE	SENE	
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Unit Letter E	Unit Lefter F	Unit Le	tter G	Unit Letter H	
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Unit Letter M	Unit Letter N	Unit Le	tter O	Unit Letter P	
	3		4		
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February 19, 2014

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

RE: MLMU #139

Enclosed are the results of analyses for samples received by the laboratory on 02/12/14 8:25.

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.tcea.texas.gov/field/ga/lab 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,

Celey D. Kune

Celey D. Keene Lab Director/Quality Manager

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Laboratory Analytical Results Summary MLMU #139

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Analyte Method Date Analyte Method Date Benzene BTEX 8021B < Toluene BTEX 8021B < Ethylbenzene BTEX 8021B < Iotal Xylenes BTEX 8021B < Total BTEX BTEX 8021B <	te zrunt mg/Kg <0.050 <0.050	2/11/14)
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	mg/Kg <0.050 <0.050		211114	2/11/14	2/11/14	\$11/14	2/11/14
BTEX 80218 BTEX 80218 BTEX 80218 BTEX 80218 BTEX 80218 BTEX 80218	<0.050	₿¥\₿m	mgMg	63/6m	mg/Kg	бу/бш	B y/Sw
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	<0.050	<0.050	n/a	n/a	n/a	e/u	e/u
BTEX 8021B BTEX 8021B BTEX 8021B		<0.050	n/a	n/a	n/a	e/u	n/a
es BTEX 8021B BTEX 8021B	<0:050	<0.050	n/a	n/a	n/a	n/a	n/a
BTEX 8021B	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride SM4500CI-B	1070	1090	1520	1020	2290	400	128
GRO TPH 8015M	<10.0	<10.0	n/a	n/a	n/a	e/u	n/a
DRO [TPH 8015M	14.5	355	n/a	e/u	n/a	e/u	e/u

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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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400421-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.9 s	% 89.4-12	6						
Chioride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŚ	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/14/2014	ND	400	100	400	3.92	
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	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	14.5	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: 1-Chlorooctane	1109	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1129	6 63.6-15	4						

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Caley 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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400421-02)

BTEX 8021B	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	02/14/2014	ND	2.25	113	2.00	5.84	
Toluene*	<0.050	0.050	02/14/2014	ND	2.26	113	2.00	4.05	
Ethylbenzene*	<0.050	0.050	02/14/2014	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	02/14/2014	ND	6.57	110	6.00	2.90	
Total BTEX	<0.300	0.300	02/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.2 9	89.4-12	б						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP		<u>.</u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifie
Chloride	1090	16.0	02/14/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	02/13/2014	ND	198	98.9	200	12.2	
DRO >C10-C28	355	10.0	02/13/2014	ND	195	97.5	200	9.27	
Surrogate: 1-Chlorooctane	1119	6 65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 %	6 63.6-15	1						

Sample ID: SP 1 @ 3' (H400421-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	02/14/2014	ND	416	104	400	3.92	

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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:	02/12/2014	Sampling Date:	02/11/2014
Reported:	02/19/2014	Sampling Type:	Soil
Project Name:	MLMU #139	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 5' (H400421-04)

Chioride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/14/2014	ND	416	104	400	3.92	

Sample ID: SP 1 @ 7' (H400421-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	02/14/2014	ND	416	10 4	400	3.92		

Sample ID: SP 1 @ 9' (H400421-06)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP							
Analyte	Result	Reporting Umit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chioride	400	16.0	02/14/2014	ND	416	104	400	3.92			

Sample ID: SP 1 @ 10' (H400421-07)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP					<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92	

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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

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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Date: 2-/2-/4 Too: Date: Date: Time: Time: 4,	ges. Cardina's tabley and clarifs exclusive tensedy for any class tor notifyone and any other cause windsomer shall be deemed be fashe for instantial or consequential demages, including without for reliaded to the performance or gravity tensenges tensenges.	0000 1000 1000 1000 1000	5pi 02 700 700 002	Sample I.D.	State: NM Fax #: 575- Project Owmer Pr1/A -1 3 9	ORATORIES 4, Hobbs, NM 882 -AX (505) 393-2477 onal, Inc
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