<u>District I</u> 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

HOBBS OCD

Form C-141 Revised August 8, 2011

AUG 2 2 2014

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

			Rele	ease Notific	ation	and Co	orrective A	ction				
		···				OPERA'	ГOR] Initi	al Report	\boxtimes	Final Report
Name of Co		Oxy Permian		D 4 00040			Chancey Summe					
Address 1 Facility Nan		tanolind Rd, vIU #98	Hobbs, 1	NM 88240		<u>Felephone I</u> Facility Typ						
						donity Typ	Dattery loc	delon				
Surface Own	ner Kel	ly Myers		Mineral O	wner				API No	0. 30-025-1	0906 (t	nearest well)
						OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/We	st Line	County		
	31	23S	37E							Lea Count	y, NM	
			1	Latitude N 32.2	58970	Longitu	de W 103.2073.	50			,	
			•			_		<u>ب</u>				
Type of Relea	ase Oil a	nd Produced w	ater	NAI	URE	OF RELI	Release 2 bbls oi	1 1	Johnna I	Recovered	_	
Type of Refer	isc Oil ai	na i roducca w					duced water) bbls	(ecovered		
Source of Release Over pressure in 3" poly production flow line					Date and H 04/10/2014	lour of Occurrenc	e I	Date and	Hour of Dis	covery		
Was Immedia	ite Notice (Yes 🗀	No 🗌 Not Re	quired	If YES, To Geoffrey L	Whom? eking-NMOCD, .	Jennifer V	an Curer	n-BLM		
By Whom?	Jennifer G	ilkey				Date and H	lour 04/10/2014	4 @ 4:18 1	om			
Was a Watero	ourse Reac			L XI.		If YES, Vo	lume Impacting t	he Waterc	ourse.			
If a Watercou			Yes 🛚		,							
Describe Cause Over pressure the line was re	in a 3" pol	y production f		n Taken.* caused 2 bbls of oi	l and 18	bbls of prod	uced water to leal	k onto the	ground.	No fluids w	ere reco	overed and
Describe Area	Affected a	and Cleanup A	ction Tak	en.*								
				and off location. 14 and approved b						diation plan	approv	red by
regulations all public health of should their of	operators or the envir perations had ment. In a	are required to comment. The ave failed to a ddition, NMO	report an acceptanc dequately CD accept	is true and compled/or file certain ree of a C-141 repoint investigate and retance of a C-141 repoint and retance of a C-141 records.	lease no rt by the mediate	tifications an NMOCD materination of the contamination of the contamina	d perform correct arked as "Final Re on that pose a thre	tive action eport" doc eat to grou	s for rele s not reli and water	eases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health
		1					OIL CONS	SERVA	TION	DIVISIO	<u>N</u>	
Signature:						_						
Printed Name	Chance	y Summers			A	pproved by	Environmental Sp	pecialist:				
Title: HES	Advisor				Α	pproval Date	8-26-14	Ex	piration l	Date:		
E-mail Addres	ss: <u>Chan</u> e	cey.Summers(@oxy.com	<u> </u>	c	Conditions of	Approval:			Attached	П	
Date: S-	21-1	4	Phone:	(575) 397-8216	,					IRP-		,
Date.	-, ,	/	I HOHE,	(313) 331-0210	,	· · · · · · · · · · · · · · · · · · ·				110	7 <u>~ 7 -</u>	<u></u>

* Attach Additional Sheets If Necessary

AUG 27 2014 27 192463 PTO 1723 843826

Closure Report

	Site Description	
Site Name:	MLMU #98	
Company:	Oxy Permian Ltd.	HOBBS OCD
Legal Description:	Section 31, T23S, R37E	
County:	Lea County, NM	AUG 2 2 2014
GPS Coordinates:	N 32.26430° W 103.21428°	

	Release Data	RECEIVED
Date of Release:	04/10/2014	
Type of Release:	Oil and produced water	
Source of Release:	Over pressure in 3" poly production flow line	
Volume of Release:	2 bbls oil and 18 bbls produced water	
Volume Recovered:	0 bbls	

Remediation Specifications					
Remediation Parameters:	Back drag the areas around SP1 and SP2. Excavate to a depth of 1 foot in the areas around SP3 and SP4. Backfill the site with clean soil.				
Remediation Activities:	08/11/2014 to				

Plan Sent to OCD:	06/26/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	07/01/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	06/30/2014	Mtg between C. Brunson and J. Van Curen
BLM Approval of Plan:	06/30/2014	Mtg between C. Brunson and J. Van Curen

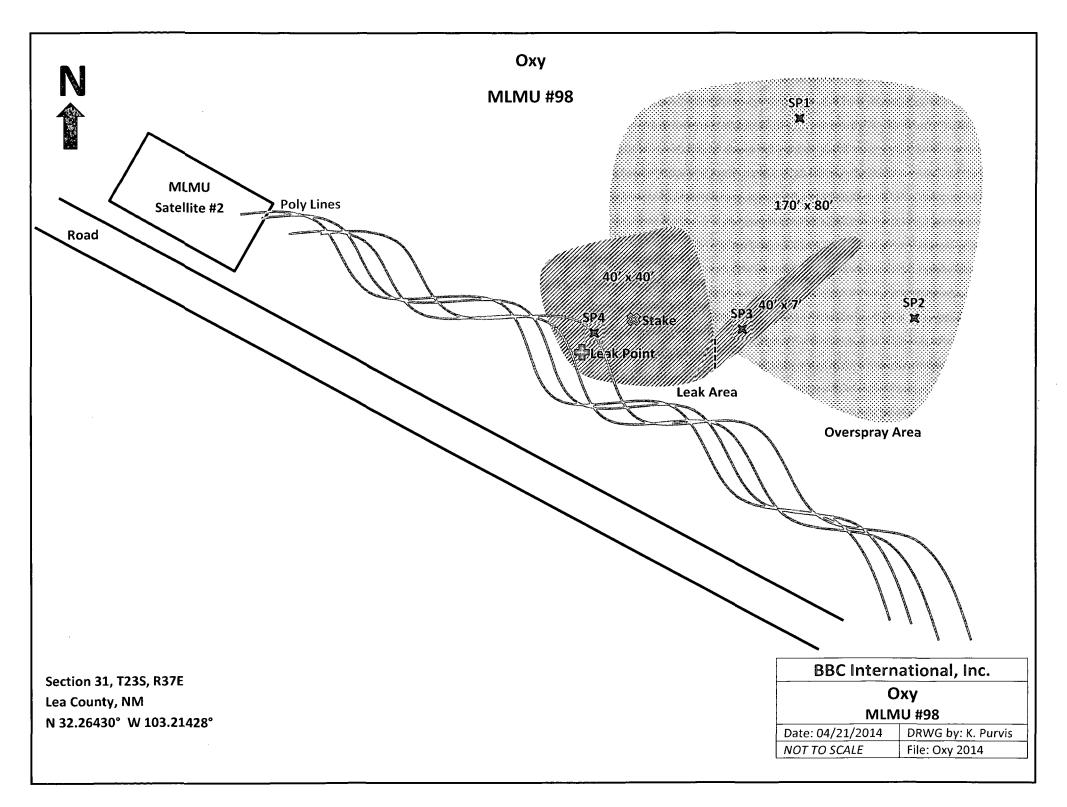
	Supporting Documentation				
Initial C-141	Signed 04/15/2014				
Final C-141	Signed 08/21/2014				
Site Diagram	April 2014				
Groundwater Plot	100'				
TOPO Maps	April 2014				
Lab Summary	04/29/2014				
Lab Analysis	04/29/2014				
Correspondence	Request and approval of remediation plan via email				

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.

08/21/2014

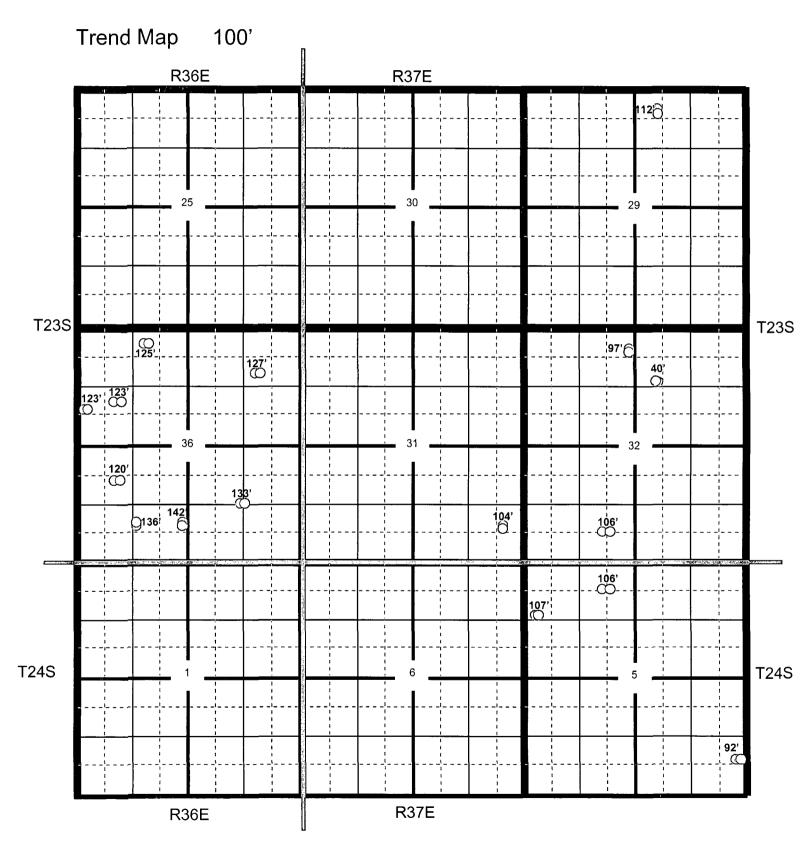




Groundwater Plot

Oxy MLMU #98

CountyUnit LetterSectionTownshipRangeLea3123S37E





Section Quarters

Oxy MLMU #98

County Lea Unit Letter

Section 31

Township 23S Range 37E

Trend Map

100'

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2

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♣ Location

o OCD

o USGS

O SEO

O All Databases

Laboratory Analytical Results Summary MLMU #98

		Sample	SP1 @ Surface	SP1 @ 1'
Analyte	Method	Date	4/29/14	4/29/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		< 0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		231	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'
Analyte	Method	Date	4/29/14	4/29/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		< 0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300
Chloride	SM4500CI-B		64.0	<16.0
GRO	TPH 8015M	_	<10.0	<10.0
DRO	TPH 8015M		204	<10.0

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 3'
Analyte	Method	Date	4/29/14	4/29/14	4/29/14	4/29/14	4/29/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.718	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.82	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		16.3	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		21.9	<0.300	<0.300	<0.300	< 0.300
Chloride	SM4500CI-B		1490	640	<16.0	<16.0	32.0
GRO	TPH 8015M		1220	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		46600	81.6	62.1	<10.0	<10.0

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2	SP4 @ 3'
Analyte	Method	Date	4/29/14	4/29/14	4/29/14	4/29/14
			mg/Kg	m̃g/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		< 0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		3080	448	320	48.0
GRO	TPH 8015M		<100	<10.0	<10.0	<10.0
DRO	TPH 8015M		18100	<10.0	1440	<10.0



May 06, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #98

Enclosed are the results of analyses for samples received by the laboratory on 04/30/14 10:05.

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.

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: Reported: 04/30/2014 05/06/2014

Project Name:

MLMU #98 NONE GIVEN

Project Number: Project Location:

JAL, NM

Sampling Date:

04/29/2014

Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: SP 1 @ SURFACE (H401298-01)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	< 0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	94.5	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP			<u>-</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2014	ND	400	100	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	231	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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

Fax To:

(575) 397-0397

Received:

04/30/2014 05/06/2014

Reported: Project Name:

MLMU #98 NONE GIVEN

Project Number: Project Location:

JAL, NM

Sampling Date:

pling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 1' (H401298-02)

BTEX 8260B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	< 0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	95.3	% 61.3-14	2			-			
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	119	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey & Kune



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

Fax To: (575) 397-0397

Received: Reported: 04/30/2014 05/06/2014

Project Name: Project Number:

Project Location:

MLMU #98 NONE GIVEN JAL, NM Sampling Date:

ng Date: 04/29/2014

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 2 @ SURFACE (H401298-03)

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	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	96.7	% 61.3-14	2						
Surrogate: Toluene-d8	106	% 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	64.0	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	204	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	108 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 9	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey & Kune



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

Fax To:

(575) 397-0397

Received: Reported: 04/30/2014

05/06/2014

Project Name: Project Number: Project Location: MLMU #98 NONE GIVEN

mg/kg

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ 1' (H401298-04)

BTEX 826

	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualif
Ben	nzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Tolu	uene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Eth	ylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Tota	al Xylenes*	< 0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Tota	al BTEX	<0.300	0.300	05/05/2014	ND					

Analyzed By: ms

Surrogate: Dibromofluoromethane

Surrogate: 4-Bromofluorobenzene

98.0 %

61.3-142

Surrogate: Toluene-d8

105 % 103 % 71.3-129 65.7-141

Chloride,	SM4500CI-B
-----------	------------

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	05/05/2014	ND	400	100	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	

Surrogate: 1-Chlorooctane

105 %

65.2-140

Surrogate: 1-Chlorooctadecane

101%

63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

04/30/2014 05/06/2014

Sampling Date: Sampling Type: 04/29/2014

Reported: Project Name: MLMU #98 NONE GIVEN

Sampling Condition:

Soil Cool & Intact

Project Number: Project Location:

JAL, NM

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ SURFACE (H401298-05)

BTEX 8260B	mg	/kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	·BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	0.718	0.100	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	4.82	0.100	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	16.3	0.300	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	21.9	0.600	05/05/2014	ND					
Surrogate: Dibromofluoromethane	95.9	% 61.3-14	12						
Surrogate: Toluene-d8	105	% 71.3-12	?9						
Surrogate: 4-Bromofluorobenzene	178	% 65.7-14	1]						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1220	100	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	46600	100	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	305	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1330	% 63.6-15	14						

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

Fax To:

(575) 397-0397

Received:

04/30/2014 05/06/2014 Sampling Date: Sampling Type: 04/29/2014

Reported:

MLMU #98

Sampling Condition:

Soil

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 3 @ 1' (H401298-06)

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	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	93.9	% 61.3-14	2						
Surrogate: Toluene-d8	106	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	81.6	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	122	% 65.2-14	0			·			
Surrogate: 1-Chlorooctadecane	130	% 63.6-15	4						

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Fax To:

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Received:

04/30/2014

Reported:

05/06/2014 MLMU #98

Project Name: Project Number:

NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 3 @ 2' (H401298-07)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	98.5	% 61.3-14	2						
Surrogate: Toluene-d8	102 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 5	65.7-14	I						
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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	62.1	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Fax To: (575) 397-0397

Received: Reported:

Project Name:

04/30/2014 05/06/2014

MLMU #98 NONE GIVEN

ma/ka

Project Number: Project Location:

JAL, NM

Sampling Date:

Sampling Type:

04/29/2014

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 3 @ 3' (H401298-08)

B	ı	ĿХ	84	40	v	ĸ	
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B1EX 8260B	mg,	/ Kg	Analyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2014	ND	2.17	108	2.00	3.34	
Toluene*	< 0.050	0.050	05/06/2014	ND	2.16	108	2.00	1.38	
Ethylbenzene*	< 0.050	0.050	05/06/2014	ND	2.11	106	2.00	0.152	
Total Xylenes*	<0.150	0.150	05/06/2014	ND	6.44	107	6.00	0.679	
Total BTEX	<0.300	0.300	05/06/2014	ND					
Surrogate: Dibromofluoromethane	95.6	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	110	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

Analyzed Ry: me

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Celeg & Keene



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

Fax To: (575) 397-0397

Received: Reported:

RTEY 8260B

04/30/2014 05/06/2014

Project Name: MLMU #98 Project Number: NONE GIVEN

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 3 @ 4' (H401298-09)

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	05/06/2014	ND	2.17	108	2.00	3.34	
Toluene*	<0.050	0.050	05/06/2014	ND	2.16	108	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/06/2014	ND	2.11	106	2.00	0.152	
Total Xylenes*	<0.150	0.150	05/06/2014	ND	6.44	107	6.00	0.679	
Total BTEX	<0.300	0.300	05/06/2014	ND					
Surrogate: Dibromofluoromethane	98.6	% 61.3-14	2						
Surrogate: Toluene-d8	104 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.8	% 65.7-14	I						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS			44.14.1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	117 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	116 9	% 63.6-15	4						

Analyzed Ry: ms

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Fax To:

(575) 397-0397

Analyzed By: ms

Received:

04/30/2014

Sampling Date:

04/29/2014

Reported:

BTFX 8260B

05/06/2014

Sampling Type:

· Soil

Project Name:

MLMU #98

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 4 @ SURFACE (H401298-10)

B1EX 8260B	mg,	кg	Analyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2014	ND	2.48	124	2.00	0.626	
Toluene*	<0.050	0.050	05/03/2014	ND	2.13	107	2.00	5.57	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.05	102	2.00	6.01	
Total Xylenes*	<0.150	0.150	05/03/2014	ND	6.42	107	6.00	4.81	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	102	% 61.3-14	2						
Surrogate: Toluene-d8	99.4	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	112	% 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	3080	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	18100	100	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	82.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	759	% 63.6-15	4						

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(575) 397-0397 Fax To:

Received:

04/30/2014

Reported:

05/06/2014

Project Name: Project Number: MLMU #98 NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 1' (H401298-11)

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	05/03/2014	ND	2.17	109	2.00	0.904	
Toluene*	<0.050	0.050	05/03/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.25	112	2.00	2.74	
Total Xylenes*	< 0.150	0.150	05/03/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	98.8	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	113	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	% 63.6-15	4						

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Fax To:

(575) 397-0397

Received: Reported: 04/30/2014

05/06/2014

Project Name: Project Number: MLMU #98 NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 2' (H401298-12)

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	05/03/2014	ND	2.17	109	2.00	0.904	
Toluene*	< 0.050	0.050	05/03/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.25	112	2.00	2.74	
Total Xylenes*	< 0.150	0.150	05/03/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	98.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	124	% 65.7-14	I						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	320	16.0	05/05/2014	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	Qualifie
GRO C6-C10	<10.0	10.0	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	1440	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	115	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	137	% 63.6-15	4						

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Received:

04/30/2014

Sampling Date:

04/29/2014

Reported:

05/06/2014

Sampling Type:

Soil

Project Name:

MLMU #98

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 4 @ 3' (H401298-13)

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	05/05/2014	ND	2.17	109	2.00	0.904	
Toluene*	< 0.050	0.050	05/05/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.25	112	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2	,					
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	96.9	% 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	48.0	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	111 :	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	% 63.6-15	4						

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kune

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O.#:
Address: P.O. Box 805	Company:
City: Hobbs state: NM zip: 88241	Attn:
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:
Project #: Project Owner: O.Ky	City: The
Project Name: MLNAK # 98	State: Zip:
Project Location: 1/2/	Phone #:
	Fax #:
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

454



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

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Kathy Purvis

From: Leking, Geoffrey R, EMNRD < GeoffreyR.Leking@state.nm.us>

Sent: Tuesday, July 01, 2014 2:42 PM

To: Cliff P. Brunson

C: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OCD Concurrence with Various OXY Remediation Plans

Cliff

The OCD concurs with the:

1) OXY-State C Trac 11 Battery-Remediation Plan

- 2) OXY-Fred Turner JR B Battery-Remediation Plan
- 3) OXY-Federal 27 #8-Remediation Plan
- 4) OXY-MLMU #98-Remediation Plan
- 5) OXY-South Mattix Battery-Remediation Plan
- 6) OXY-MLMU Satellite #2-Remediation Plan
- 7) OXY-MLMU #71-Remediation Plan

Approval of the Red Tank 35 Fed #3 Remediation Plan is dependent on your response regarding the excavation depth at SP2 and SP3. Thanks Cliff.

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: Thursday, June 26, 2014 8:30 PM

To: Leking, Geoffrey R, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis **Subject:** OXY-State C Trac 11 Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on June 19, 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 4 feet in the area around SP1, 1 foot in the areas of SP2 and SP3, 2 feet in the area of SP4, and 1 foot in the areas of SP5 and SP6 as depicted on the attached site diagram. Then 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.

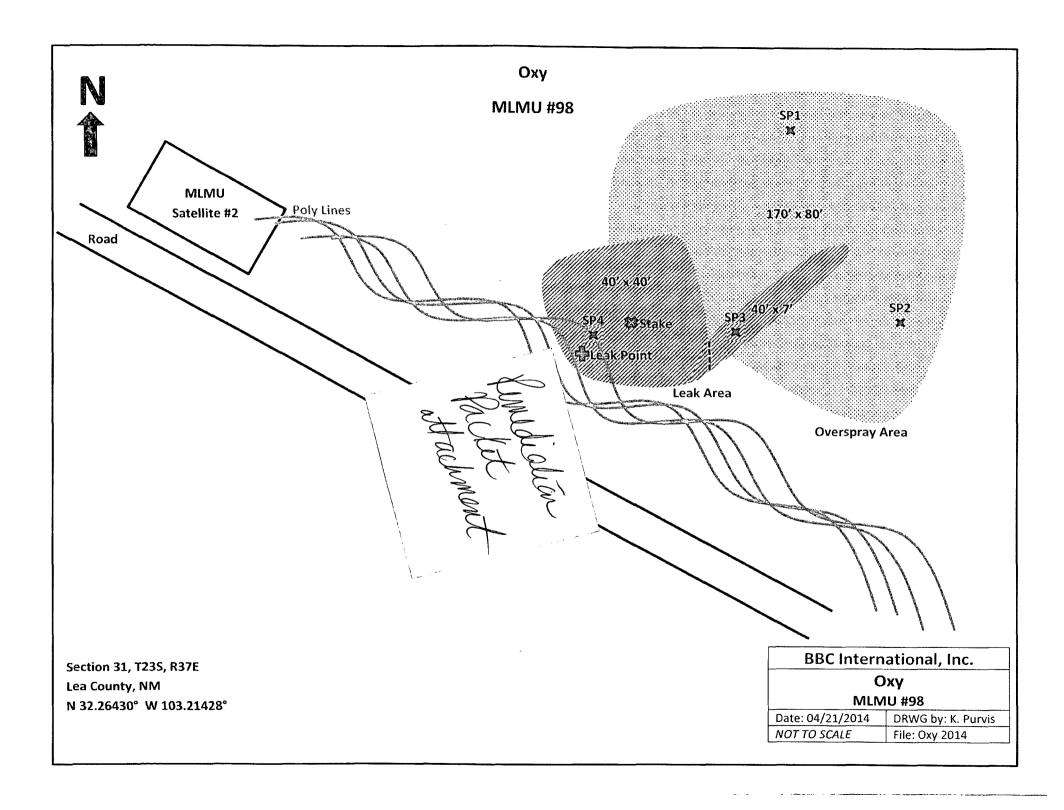
Thanks, Cliff

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

Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

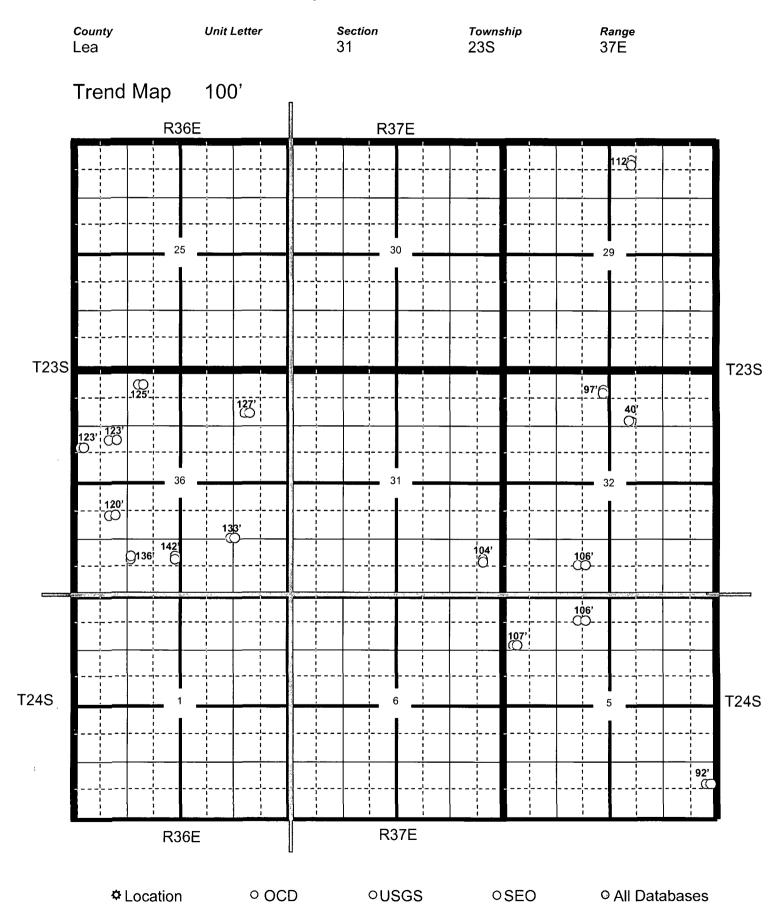
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Groundwater Plot

Oxy MLMU #98





Section Quarters

Oxy MLMU #98

County Lea Unit Letter

Section 31

Township 23S Range 37E

Trend Map 100'

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♣ Location

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O All Databases

Laboratory Analytical Results Summary MLMU #98

		Sample	SP1 @ Surface	SP1 @ 1'
Analyte	Method	Date	4/29/14	4/29/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		231	<10.0

		Sample	SP2 @ Surface	SP2 @ 1'
Analyte	Method	Date	4/29/14	4/29/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		64.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		204	<10.0

		Sample	SP3 @ Surface	SP3 @.1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 3'
Analyte	Method	Date	4/29/14	4/29/14	4/29/14	4/29/14	4/29/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.718	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.82	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		16.3	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		21.9	<0.300	<0.300	<0.300	< 0.300
Chloride	SM4500CI-B		1490	640	<16.0	<16.0	32.0
GRO	TPH 8015M		1220	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		46600	81.6	62.1	<10.0	<10.0

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	4/29/14	4/29/14	4/29/14	4/29/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		3080	448	320	48.0
GRO	TPH 8015M		<100	<10.0	<10.0	<10.0
DRO	TPH 8015M		18100	<10.0	1440	<10.0



May 06, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #98

Enclosed are the results of analyses for samples received by the laboratory on 04/30/14 10:05.

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 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. 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



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

Fax To: (575) 397-0397

Received:

04/30/2014

Sampling Date:

04/29/2014

Reported:

05/06/2014

Sampling Type: Sampling Condition: Soil

Project Name: Project Number: MLMU #98 NONE GIVEN

Cool & Intact

Project Location:

JAL, NM

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ SURFACE (H401298-01)

BTEX 8260B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	< 0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	< 0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	94.5	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500CI-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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	231	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.5	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey & Kune



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

Fax To: (575) 397-0397

Received:

04/30/2014 05/06/2014 Sampling Date: Sampling Type: 04/29/2014 Soil

Reported:

MLMU #98

Sampling Condition:

Sample Received By:

Cool & Intact Jodi Henson

Project Name: Project Number:

NONE GIVEN

Project Location: JAL, NM

Sample ID: SP 1 @ 1' (H401298-02)

BTEX 8260B	mg,	'kg	Analyze	d By: ms			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	95.3	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	119	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	115	% 63.6-15	4						

*=Accredited Analyte Cardinal Laboratories

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Celey & Keine



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

Fax To:

(575) 397-0397

Received: Reported: 04/30/2014

05/06/2014

MLMU #98

Project Name: Project Number:

NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ SURFACE (H401298-03)

BTEX 8260B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	< 0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	< 0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	96.7	% 61.3-14	2						
Surrogate: Toluene-d8	106	% 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	Qualifie
Chloride	64.0	16.0	05/05/2014	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	Qualifie
GRO C6-C10	<10.0	10.0	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	204	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celuy D. Keens



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

Fax To: (575) 397-0397

Received: Reported: 04/30/2014

Project Name:

05/06/2014 MLMU #98 NONE GIVEN

101%

63.6-154

Project Number: Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 2 @ 1' (H401298-04)

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	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	98.0	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	105 5	% 65.2-14	0						

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Surrogate: 1-Chlorooctadecane

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Celey & Keena



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

Fax To: (575) 397-0397

Received: Reported: 04/30/2014 05/06/2014 MLMU #98

Sampling Date: Sampling Type:

Sampling Condition: Sample Received By: 04/29/2014 Soil

Cool & Intact Jodi Henson

Project Number: Project Location:

Project Name:

NONE GIVEN JAL, NM

Sample ID: SP 3 @ SURFACE (H401298-05)

BTEX 8260B	mg/kg		Analyzed By: ms					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	05/05/2014	ND	2.12	106	2.00	3.25		
Toluene*	0.718	0.100	05/05/2014	ND	2.19	109	2.00	5.85		
Ethylbenzene*	4.82	0.100	05/05/2014	ND	2.13	107	2.00	5.20		
Total Xylenes*	16.3	0.300	05/05/2014	ND	6.55	109	6.00	4.91		
Total BTEX	21.9	0.600	05/05/2014	ND						
Surrogate: Dibromofluoromethane	95.9	% 61.3-14	2							
Surrogate: Toluene-d8	105 9	% 71.3-12	9							
Surrogate: 4-Bromofluorobenzene	178 9	65.7-14	I							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	05/05/2014	ND	400	100	400	3.92		
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1220	100	05/06/2014	ND	194	97.1	200	2.55		
DRO >C10-C28	46600	100	05/06/2014	ND	212	106	200	4.06		
Surrogate: 1-Chlorooctane	305 9	65.2-14	0							
Surrogate: 1-Chlorooctadecane	1330	% 63.6-15	4							

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Celeg & Keene



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

Fax To: (575) 397-0397

Received:

04/30/2014

Sampling Date: Sampling Type: 04/29/2014

Reported:

05/06/2014 MLMU #98

Sampling Condition:

Soil Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 3 @ 1' (H401298-06)

BTEX 8260B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	< 0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	93.9	% 61.3-14	2				-		
Surrogate: Toluene-d8	106	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 5	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	81.6	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	122 :	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	130	% 63.6-15	4						

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Celey & Keine



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

Fax To:

(575) 397-0397

Received:

04/30/2014

Analyzed By: ms

Sampling Date:

04/29/2014

Reported:

05/06/2014

Sampling Type:

Soil

Project Name:

MLMU #98 NONE GIVEN

mg/kg

Sampling Condition:

Cool & Intact

Project Number: Project Location:

JAL, NM

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 2' (H401298-07)

DTEV	8260B	
DIEA	OZUUD	

DILX 0200D	11197	Kg .	Andryze	a by. III3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.12	106	2.00	3.25	
Toluene*	<0.050	0.050	05/05/2014	ND	2.19	109	2.00	5.85	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.13	107	2.00	5.20	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.55	109	6.00	4.91	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	98.5	% 61.3-14	2						4,00.00
Surrogate: Toluene-d8	102 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	62.1	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	% 63.6-15	4						

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Celey & Keene



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

Fax To: (575) 397-0397

Received:

04/30/2014 05/06/2014

Sampling Date:

04/29/2014

Reported:

RTFY 9260B

MLMU #98

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

ma/ka

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Location:

JAL, NM

Sample ID: SP 3 @ 3' (H401298-08)

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	05/06/2014	ND	2.17	108	2.00	3.34	
Toluene*	<0.050	0.050	05/06/2014	ND	2.16	108	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/06/2014	ND	2.11	106	2.00	0.152	
Total Xylenes*	<0.150	0.150	05/06/2014	ND	6.44	107	6.00	0.679	
Total BTEX	<0.300	0.300	05/06/2014	ND					
Surrogate: Dibromofluoromethane	95.6	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 5	65.7-14	1						
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	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	110 :	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 :	% 63.6-15	4						

Analyzed Ry: ms

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

> (575) 397-0397 Fax To:

Received: Reported: 04/30/2014

05/06/2014 MLMU #98

Project Number: Project Location:

Project Name:

NONE GIVEN JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 4' (H401298-09)

BTEX 8260B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2014	ND	2.17	108	2.00	3.34	
Toluene*	<0.050	0.050	05/06/2014	ND	2.16	108	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/06/2014	ND	2.11	106	2.00	0.152	
Total Xylenes*	<0.150	0.150	05/06/2014	ND	6.44	107	6.00	0.679	
Total BTEX	<0.300	0.300	05/06/2014	ND					
Surrogate: Dibromofluoromethane	98.6	% 61.3-14	2						·-·
Surrogate: Toluene-d8	104 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.8	% 65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2014	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	117 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1169	% 63.6-15	4						

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

04/30/2014

Sampling Date:

04/29/2014

Reported:

05/06/2014 MLMU #98

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

JAL, NM

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ SURFACE (H401298-10)

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	05/03/2014	ND	2.48	124	2.00	0.626	
Toluene*	<0.050	0.050	05/03/2014	ND	2.13	107	2.00	5.57	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.05	102	2.00	6.01	
Total Xylenes*	<0.150	0.150	05/03/2014	ND	6.42	107	6.00	4.81	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	102	% 61.3-14	2						
Surrogate: Toluene-d8	99.4	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	112	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	18100	100	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	82.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	759	% 63.6-15	4						

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Fax To:

(575) 397-0397

Received:

04/30/2014

05/06/2014

Reported: Project Name: Project Number:

MLMU #98 NONE GIVEN

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 4 @ 1' (H401298-11)

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	05/03/2014	ND	2.17	109	2.00	0.904	
Toluene*	< 0.050	0.050	05/03/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.25	112	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/03/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	98.8	% 61.3-14	2						
Surrogate: Toluene-d8	100 % 71.3-12		9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	448	16.0	05/05/2014	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Anaiyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND .	212	106	200	4.06	
Surrogate: 1-Chlorooctane	113 :	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	% 63.6-15	4						

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

Fax To:

(575) 397-0397

Received:

04/30/2014

Reported:

05/06/2014 MLMU #98

Project Name: Project Number: Project Location:

NONE GIVEN JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 2' (H401298-12)

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	05/03/2014	ND	2.17	109	2.00	0.904	
Toluene*	<0.050	0.050	05/03/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/03/2014	ND	2.25	112	2.00	2.74	
Total Xylenes*	<0.150	0.150	05/03/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/03/2014	ND					
Surrogate: Dibromofluoromethane	103 9	% 61.3-14	2						
Surrogate: Toluene-d8	98.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	ogate: 4-Bromofluorobenzene 124 % 6.		1						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/05/2014	ND	400	100	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	1440	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	115 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	137 9	63.6-15	4						

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Celey L. Keene



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

Fax To:

(575) 397-0397

Analyzed By: ms

Received: Reported:

BTEX 8260B

04/30/2014

05/06/2014

Project Name: Project Number: MLMU #98 NONE GIVEN

ma/ka

Project Location:

JAL, NM

Sampling Date:

04/29/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 4 @ 3' (H401298-13)

B1EX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2014	ND	2.17	109	2.00	0.904	
Toluene*	<0.050	0.050	05/05/2014	ND	2.33	117	2.00	2.93	
Ethylbenzene*	<0.050	0.050	05/05/2014	ND	2.25	112	2.00	2.00 2.74	
Total Xylenes*	<0.150	0.150	05/05/2014	ND	6.94	116	6.00	3.25	
Total BTEX	<0.300	0.300	05/05/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	rogate: Toluene-d8 103 % 71.3-12		9						
Surrogate: 4-Bromofluorobenzene	96.9	% 65.7-14	I						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2014 ND 400		400	100	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	05/06/2014	ND	194	97.1	200	2.55	
DRO >C10-C28	<10.0	10.0	05/06/2014	ND	212	106	200	4.06	
Surrogate: 1-Chlorooctane	1119	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	% 63.6-15	4						

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.	BILL TO AN	ALYSIS REQUEST
Project Manager: Cliff Brunson	2.0.#:	
Address: P.O. Box 805	Company:	
city: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: O.XV	sity: The	
Project Name: MLMU # 98	State: Zip:	
Project Location: 1/2/	Phone #:	
Sampler Name: Joff. ()rne/25	ax#:	
Lab I.D. Sample I.D. 1 Splosurful Containers Sample I.D. 1 Splosurful Containers Sample I.D. 2 Splosurful Containers Sample I.D. 2 Splosurful Collins Sample I.D. 3 S	PRESERV SAMPLING 338 000	
10 Sn 405 crta 6 6 1 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PLEASE NOTE: Liability and Danages, Cardina's fability and clean's cordustive terrapy for any claim disting whether bases in contract analyses. All challys including those for negligibles and any other cause whistscover shall be defined whiteful unless made in writing and service. In no event shall Contral be liable for incidentation consequential damages, including without liabilities, business interruptions, in this successor answer out of or related to the portaments of services between or Contral and analysis of the portaments of services between or Contral management of the portaments of services. Personner or Contral management of the portaments of services between the portaments of services. Personner or Contral management of the portaments of services between the portaments of services.	ceived by Cardhal within 30 days after completion of the applicable in of use, or this of profits indured by client, its subaddialies, asked upon any of the above stated readons or otherwise. Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Additional or the applicable Phone Result: □ Yes □ No Phone Result: □ Yes □ Phone Result: □ P	1 Phone #:
Relinquished By: Jennifo Golfey Date: 4:30-14 Received By: Jennifo Golfey Time: 10:00 Sample Condition Cool Intact	Fax Result:	1 Fax #:

1 Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2376



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 293-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. # 100 200 200	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: 0 XV	City: 1140	
Project Name: NLM 11 # 98	State: Zip:	
Project Location: V2/.	Phone #:	
Sampler Name: Noff Ornofol	Fax #:/	
FOR LAB USE ONLY MATRIX.	PRESERV SAMPLING	
(C)OMP ATER		
I ah I D Sample I D G Z Z Z		<u> </u>
AAB O	CCOC ER:	
HAOISAB # CONT.	ACIDIAASE: ACIDIAASE: OTHER: OTHER: THER:	
5040/	. V 4:29 155 XX	
12 2 6 1 1	1. 2.22 X X	
13 3 GA F	V- 250 /- /	
PLEASE NOTE: Usefully and Demages, Cardina's leability and offen's exclusive remedy for any claim arising whether based in control analysis. At claims, including those for negigence and any other cause whatspever shad be desired waived divises made in writing an	niceived by Cardinal within 30 days after completion of the applicable	
service. In no event shall Cardinal be kable for incloental or consequental damages, industry without limitation, business interruptions. <u>Afficies or successors arising out of or related to the conformance of services hereunder by Cardinal, recencies of whether such obtain</u>		
Relinquished By: Date: Received By:	Phone Result: D.Y.	
MH Orne 21 Time: 10:00 Jennelin	Fax Result: D Yo	S O No Add'l Fax #:
IKelinguished By: I Date:	When .	
$R^{\prime}30^{\prime}/41^{\prime}$	MARIA	
Dennile Gelley Time: 05 40 de Sample Condit	on CHECKED BY:	
Sampler - UPS - Bus - Other:		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2 16

#54

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

Revised August 8, 2011

Form C-141

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 Notificati	on and Correcti	ve Action	n						
	OPERATOR Initial Report					Final Report			
Name of Company Oxy Permian Ltd.	Contact Chancey S	Summers							
Address 1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No. (575) 397-8216								
Facility Name MLMU #98	Facility Type Batte	ery location							
Surface Owner Kelly Myers Mineral Owner	r		API No	. 30-025-10	906 (ne	earest well)			
LOCATION OF RELEASE									
Unit Letter Section Township Range Feet from the Nor	Township Range Feet from the North/South Line Feet from the East/								
31 23S 37E				Lea County	, NM				
Latitude N 32.25897° Longitude W 103.20735°									
NATUR	E OF RELEASE								
Type of Release Oil and Produced water	Volume of Release 2			Recovered					
Source of Release Over pressure in 3" poly production flow line	Date and Hour of Oc		0 bbls	Hour of Disc	nveru				
bound of release over pressure in a poly production now line	04/10/2014	outronce	Date and	Tiour or Disc	overy				
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Require	If YES, To Whom? ed Geoffrey Leking-NM	IOCD, Jennife	r Van Curer	n-BLM					
By Whom? Jennifer Gilkey	Date and Hour 04/	10/2014 @ 4:1	18 pm						
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Imp								
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.*									
Over pressure in a 3" poly production flow line caused 2 bbls of oil and the line was repaired or replaced.	118 bbls of produced wate	er to leak onto	the ground.	No fluids we	ere reco	vered and			
Describe Area Affected and Cleanup Action Taken.*			-						
The affected area is approximately 80' x 80' on and off location. Rem-NMOCD and the BLM.	ediation will be completed	l in accordance	e with a rem	ediation plan	approv	red by			
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedior the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local lawe and/or regulations.	e notifications and perform the NMOCD marked as "I late contamination that po-	n corrective act Final Report" (se a threat to g	tions for rele does not reli round water	eases which i ieve the opera r, surface wat	nay end itor of l er, hum	danger liability nan health			
	OIL	CONSERV	ATION	DIVISIO	N				
Signature:						ľ			
Printed Name: Chancey Summers Approved by Environmental Specialist:									
Title: HES Specialist	Approval Date:		Expiration	Date:					
E-mail Address: Chancey.Summers@oxy.com	Attached	П							
Date: 4.15-14 Phone: (575) 397-8216									

^{*} Attach Additional Sheets If Necessary