Closure Report

Site Description						
Site Name:	MLMU #71					
Company:	Oxy Permian Ltd.					
Legal Description:	U/L J, Section 31, T23S, R37E					
County:	Lea County, NM					
GPS Coordinates:	N 32.25922° W 103.21630°					

Release Data							
Date of Release:	04/08/2014						
Type of Release:	Produced water						
Source of Release:	1" stainless steel injection line caused by stress/fatigue						
Volume of Release:	100 bbls						
Volume Recovered:	50 bbls						

Remediation Specifications							
Remediation Parameters:	Excavate the area around SP1 to a depth of 4 feet. Excavate the area around SP4 to a depth of 2 feet. Excavate the remainder of the spill areas around SP2, SP3, SP5, SP6, & SP7 to a depth of 1 foot. Backfill the site with clean soil.						
Remediation Activities:	08/21/2014 to 08/28/2014						

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:	06/26/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	06/30/2014	Verbal approval in Meeting

Supporting Documentation						
Initial C-141	Signed 04/15/2014					
Final C-141	Signed 09/16/2014					
Site Diagram	April 2014					
Groundwater Plot	125'					
TOPO Maps	April 2014					
Lab Summary	05/09/2014-05/12/2014					
Lab Analysis	05/09/2014-05/12/2014					
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. 09/22/2014

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

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141

Revised August 8, 2011

			Rel	ease Notific	cation	and Co	orrective A	ction					
	•					OPERA'	ГOR		Initia	al Report		Fina	al Repo
Name of Co		Oxy Permia				Contact Chancey Summers							
		tanolind Rd,		NM 88240		Telephone No. (575) 397-8216							
Facility Na	me ML	MU #71 CTE	3			Facility Typ	e Battery						
Surface Ow	ner Kel	ly Myers		Mineral C)wner				API No	. 30-025-	1090	1 (neares	t well)
				LOCA	TIOI	OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County			
l	31	23S	37E							Lea			
				Latitude N 32.		Longitu OF RELI	ide <u>W 103.2074</u>	.0		,			
Type of Rele	ase Produ	uced water		NAI	UKE	Volume of		ale I	Voluma E	Recovered	50 h1	-1a	
Source of Re stress/fatigue	lease 1" st at remote l	ainless steel in reader	njection li	ne caused by		Date and H 04/08/2014	lour of Occurrence			Hour of Dis			
Was Immedia	ate Notice (Yes [No □ Not Re	quired	If YES, To Geoffrey L	Whom? eking-NMOCD, J	Jennifer '	Van Curen	ı-BLM			
By Whom?	Jennifer C						our 04/09/2014						
Was a Watero	course Reac	hed?	Yes 🛚	No		If YES, Vo	lume Impacting tl	he Water	course.				
If a Watercou	rse was Im	pacted. Descri	be Fully.*										
Describe Cau Stress on a 1" recovered 50 Describe Area	stainless sibbls of proc	teel injection l	ine at a re	mote header cause was repaired or r	ed a leak eplaced.	of 100 bbls o	of produced water	to spill	onto the g	round. A va	acuun	n truck	
	irea is appro	•		and off location. I	Remedia	tion will be c	completed in accor	rdance w	ith an app	roved reme	diatio	n plan f	rom
regulations all public health should their o	l operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a ddition, NMO	report an acceptance dequately CD accept	is true and compl d/or file certain re e of a C-141 repor investigate and re ance of a C-141 r	elease no rt by the mediate	tifications an NMOCD ma contamination	d perform correct rked as "Final Re on that pose a thre	ive actio port" doc at to gro	ns for rele es not relic und water.	ases which eve the oper surface wa	may e ator o	endange of liabili uman he	er ity ealth
Signature:							OIL CONS	ERVA	TION	DIVISIC	<u>N</u>	•	
Printed Name: Chancey Summers Approved by Environmental Specialist:													
Title: HES	Coordinator	Γ			А	pproval Date	e:	Ex	piration D	Pate:			
E-mail Addres	ss: Chance	cey_Summers				Conditions of Approval: Attached							
Date: / Attach Additi			Phone:	(575) 397-8216)							_	

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

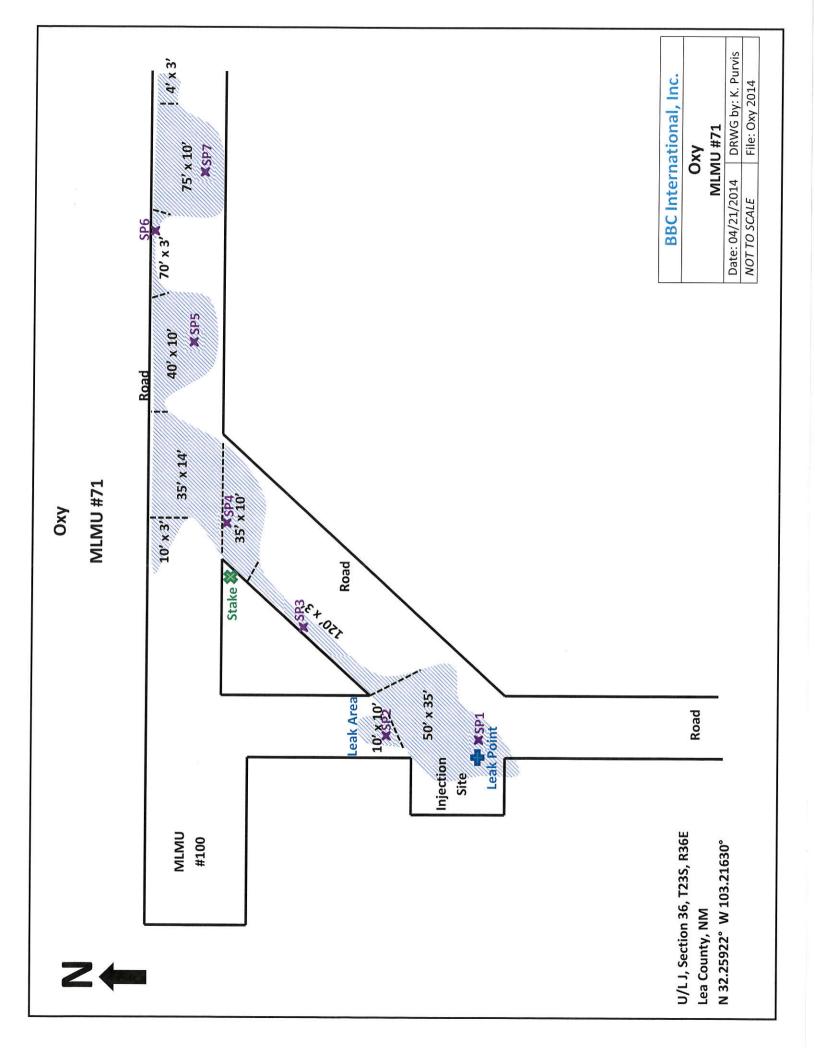
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

Release Notification and Corrective Action

Form C-141 Revised August 8, 2011

		OPERATOR			Initia	al Report	\boxtimes	Final Report	
Name of Company Oxy Permian Ltd.		Contact C	hancey Summe	ers					
Address 1017 W. Stanolind Rd, Hobbs, NM 88240		Telephone No. (575) 397-8216							
Facility Name MLMU #71 CTB		Facility Typ	e Battery						
Surface Owner Kelly Myers Mineral	Owner				API No	. 30-025-1	.0901(1	nearest well)	
LOC	ATIO	N OF REI	EASE						
Unit Letter Section Township Range Feet from the		South Line	Feet from the	East/Wes	t Line	County			
31 23S 37E						Lea			
Latitude N 32	2.26219°	Longitu	de <u>W 103.2074</u>			Loa			
NATURE OF RELEASE									
Type of Release Produced water		Volume of	Release 100 bb	ols Vo	olume R	Recovered	50 bbls	<u> </u>	
Source of Release 1" stainless steel injection line caused by			our of Occurrenc	e Da	ate and	Hour of Dis	covery		
stress/fatigue at remote header Was Immediate Notice Given?		04/08/2014 If YES, To							
✓ Yes ☐ No ☐ Not R	Required		eking-NMOCD, J	Jennifer Va	n Curen	ı-BLM			
By Whom? Jennifer Gilkey		Date and H	our 04/09/2014	1 @ 5:24 pm	n				
Was a Watercourse Reached? ☐ Yes ☒ No		If YES, Vo	lume Impacting t	he Waterco	urse.				
If a Watercourse was Impacted, Describe Fully.*									
• •									
Describe Cause of Problem and Remedial Action Taken,*				***************************************					
Stress on a 1" stainless steel injection line at a remote header cause recovered 50 bbls of produced water and the line was repaired or	sed a leak replaced	c of 100 bbls o	of produced water	to spill on	to the gr	round. A va	cuum t	ruck	
Describe Area Affected and Cleanup Action Taken.*	****				·				
The affected area is approximately 8' x 650' on and off location.	Remedia	ation was com	pleted in accorda	nce with the	e remed	liation nlan a	annrave	ed by	
Geoffrey Leking via email on 07/01/2014 and approved by Jennii	fer Van C	Curen of the B	LM via meeting of	on 06/30/20	14,	auton plan	*PPIO (~ oj	
I hereby certify that the information given above is true and comp	plete to th	e best of my l	cnowledge and ur	iderstand th	nat pursi	uant to NMC	CD ru	les and	
regulations all operators are required to report and/or file certain a	release no	otifications an	d perform correct	ive actions	for rele	ases which	nav en	danger	
public health or the environment. The acceptance of a C-141 repushould their operations have failed to adequately investigate and r	ort by the remediate	: NMOCD ma : contaminatio	rked as "Final Re in that nose a thre	eport" does :	not relie d water	eve the opera	ator of .	liability oan health	
or the environment. In addition, NMOCD acceptance of a C-141	report do	es not relieve	the operator of re	esponsibilit	y for co	mpliance was	ith any	other	
federal, state, or local laws and/or regulations.									
			OIL CONS	ERVAT	ION .	<u>DIVISIO</u>	<u>N</u>		
Signature:									
Printed Name: Chancey Summers	Printed Name: Chancey Summers Approved by Environmental Specialist:								
Title: HES Advisor	A	Approval Date	:	Expi	ration [Date:			
E-mail Address: Chancey Summers@oxy.com		Conditions of .	Approval:			Attachad	П		
Date: 9-16-14 Phone: (575) 397-821	16					Attached	Ш		
Attach Additional Sheets If Necessary	10								





Groundwater Plot

Oxy MLMU #71

Unit Letter County Section Township Range **23S** 36E Lea 36

Trend Map 125' R36E R37E 25 141' T23S T23S 122 125' 127' 123 120' 133 136 142 104' T24S T24S R37E

USGS

SEO

All Databases

R36E

OCD

Location



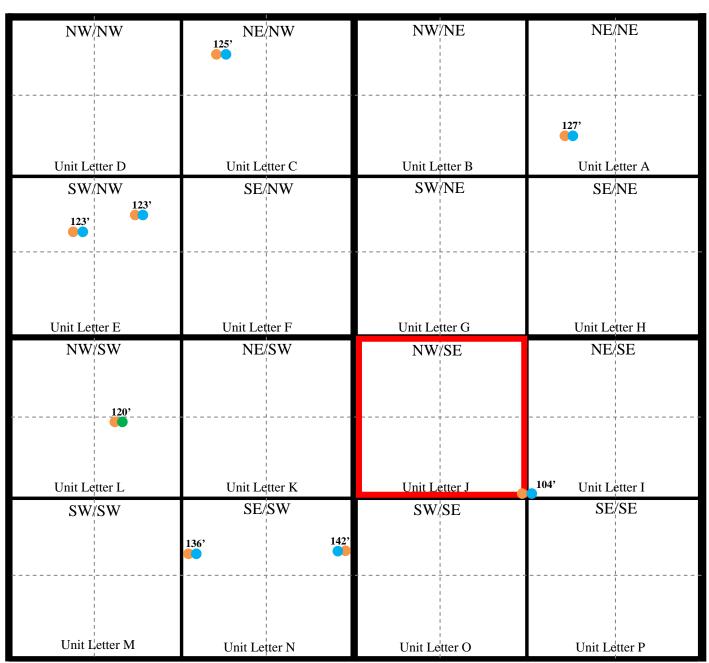
Section Quarters

Oxy MLMU #71

CountyUnit LetterSectionTownshipRangeLeaJ3623S36E

Trend Map 125'

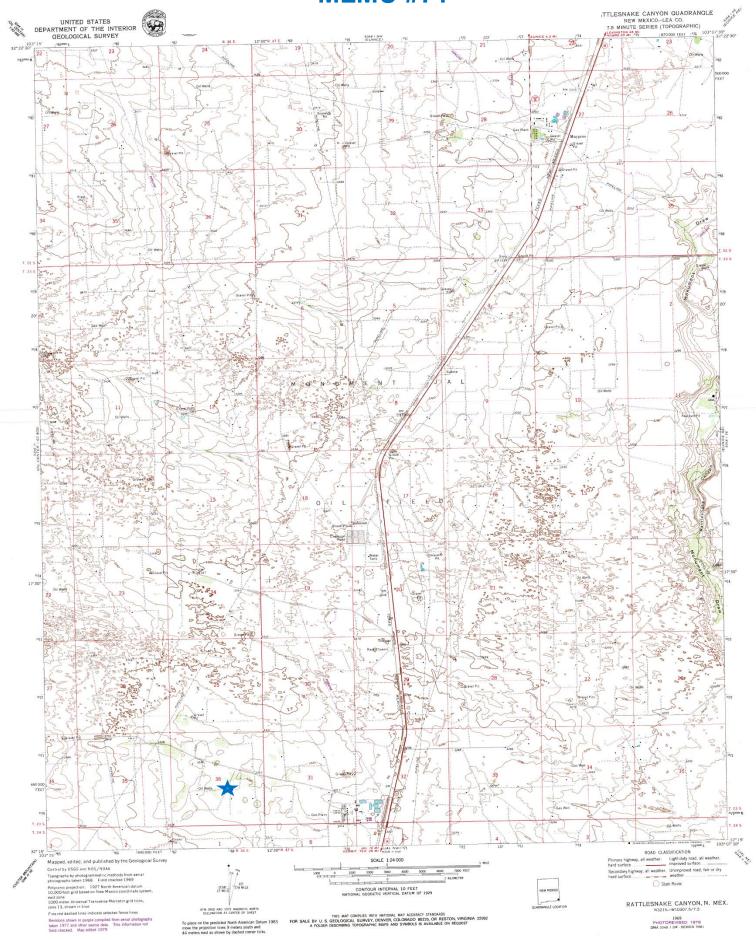
1



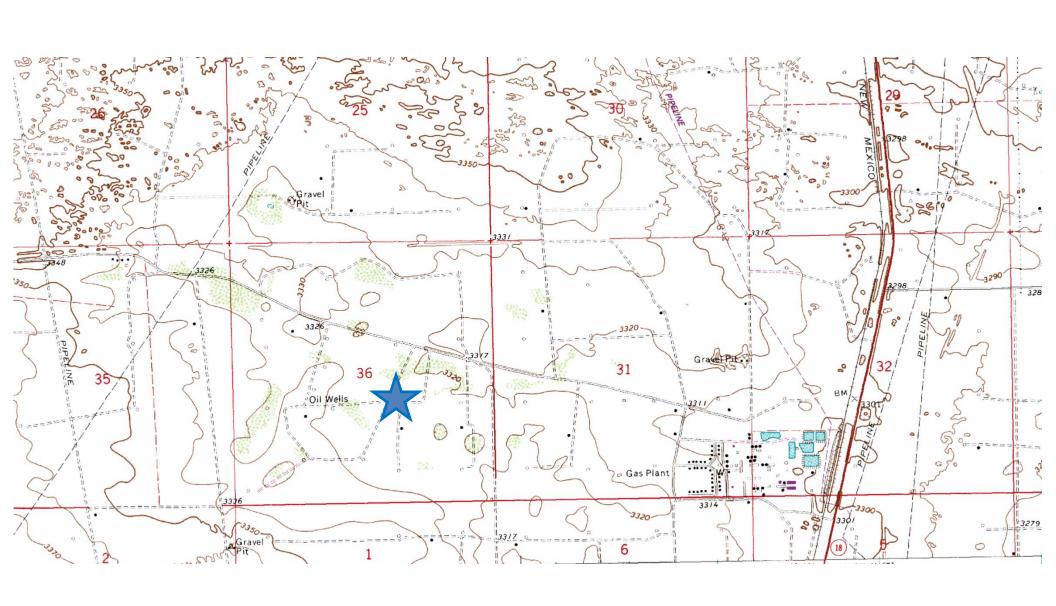
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Oxy

MLMU #71



Oxy MLMU #71



Laboratory Analytical Results Summary MLMU #71

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	5/9/14	5/9/14	5/9/14	5/9/14	5/9/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		480	704	912	464	176
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	5/9/14	5/9/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		368	192
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	5/9/14	5/9/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		1040	144
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	5/9/14	5/9/14	5/9/14	5/9/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		496	624	384	176
GRO	TPH 8015M		n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		< 0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		928	<16.0
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		192	16
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		688	144
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a



May 19, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #71

Enclosed are the results of analyses for samples received by the laboratory on 05/13/14 12:32.

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: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

4 .. . l. d D.

Project Location: DEEP WELLS ROAD

Sample ID: SP 1 @ 1' (H401448-01)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	< 0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	97.9	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 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	480	16.0	05/15/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/16/2014	ND	203	101	200	4.36	
DRO >C10-C28	<10.0	10.0	05/16/2014	ND	230	115	200	6.27	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

912

16.0

Sample ID: SP 1 @ 2' (H401448-02)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	05/15/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 4' (H4	01448-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 1 @ 6' (H401448-04)

Chloride

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/15/2014	ND	400	100	400	0.00	

ND

400

100

400

0.00

05/15/2014

Sample ID: SP 1 @ 7' (H401448-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 2 @ 1' (H401448-06)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/15/2014	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

Sample ID: SP 2 @ 2' (H401448-07)

Chloride, SM4500CI-B	Analyze	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/15/2014	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

Sample ID: SP 3 @ 1' (H401448-08)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	<0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 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	1040	16.0	05/15/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/16/2014	ND	203	101	200	4.36	
DRO >C10-C28	<10.0	10.0	05/16/2014	ND	230	115	200	6.27	
Surrogate: 1-Chlorooctane	106	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 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: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

DEEP WELLS ROAD

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H401448-09)

Project Location:

Chloride, SM4500CI-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Chloride 144 16.0 05/15/2014 ND 400 100 400 0.00

Sample ID: SP 4 @ 1' (H401448-10)

Chloride, SM4500Cl-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 2' (H401448-11)

Chloride, SM4500Cl-B	/kg	g Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 3' (H401448-12)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 4' (H401448-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2014	ND	400	100	400	0.00	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

DEEP WELLS ROAD Project Location:

Sample ID: SP 5 @ 1' (H401448-14)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	<0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	96.5	% 61.3-14	2						
Surrogate: Toluene-d8	98.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 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	928	16.0	05/15/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/17/2014	ND	216	108	200	11.3	
DRO >C10-C28	<10.0	10.0	05/17/2014	ND	238	119	200	12.0	
Surrogate: 1-Chlorooctane	114	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	118	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil
Project Name: MLMU #71 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson
Project Location: DEEP WELLS ROAD

Sample ID: SP 5 @ 2' (H401448-15)

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 05/15/2014 ND 416 104 400 0.00

Sample ID: SP 6 @ 1' (H401448-16)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 192 16.0 05/15/2014 416 400 0.00 ND 104

Sample ID: SP 6 @ 2' (H401448-17)

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 05/15/2014 ND 400 0.00 16.0 416 104

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

DEEP WELLS ROAD Project Location:

Sample ID: SP 7 @ 1' (H401448-18)

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	05/17/2014	ND	2.19	110	2.00	3.33	
Toluene*	<0.050	0.050	05/17/2014	ND	2.08	104	2.00	0.464	
Ethylbenzene*	<0.050	0.050	05/17/2014	ND	1.95	97.6	2.00	1.90	
Total Xylenes*	<0.150	0.150	05/17/2014	ND	6.07	101	6.00	1.93	
Total BTEX	<0.300	0.300	05/17/2014	ND					
Surrogate: Dibromofluoromethane	100	% 61.3-14	2						
Surrogate: Toluene-d8	99.8	% 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	688	16.0	05/15/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/17/2014	ND	216	108	200	11.3	
DRO >C10-C28	<10.0	10.0	05/17/2014	ND	238	119	200	12.0	
Surrogate: 1-Chlorooctane	106	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	% 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: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

DEEP WELLS ROAD

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 7 @ 2' (H401448-19)

Project Location:

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 144 16.0 05/15/2014 ND 416 104 400 0.00

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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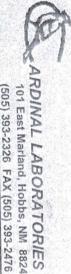
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ARDINAL LABORATORIES
101 East Mariand, Hobbs, NM 88240

	(505) 393-2326 FAX (505) 393-2476	6		The state of the s
Company Name:	BBC International, Inc.	eat this	ANALYSIS REQUEST	
Project Manage	Project Manager: Cliff Brunson	P.O.#:		
Address: P.O. Box 805	Box 805	Company:		
city: Hobbs		State: NM Zip: 88241 Attn:		
Phone #: 575-397-6388	Fax #:	575-397-0397 Address: - 9//		
Project #:	Project Owner:	: $\mathcal{O}XV$ city:		
Project Name:	mcmu #71	State: Zip:		
Project Location: DCC	is Deep Wells Rd	Phone #:		
Sampler Name:	JEFF DENELA	/ Fax#:	<u> </u>	
FOR LAB USE ONLY		MATRIX PRESERV.	SAMPLING	
Lab I.D.	Sample I.D.	G)RAB OR (C)OMF CONTAINERS GROUNDWATER WASTEWATER GOIL DIL SLUDGE DTHER: ACID/BASE: CE / COOL DTHER:	TIME CL TPS BTR	
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PLEASE NOTE: Liability at analyses. All claims including service. In no event shall C	nd Damages. Cardinal's liability and client's exclusive remedy for a ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequential damages, including	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligance and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be leable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	nl paid by the client for the safet and the	
affiliates or successors arising out of or related to the Relinquished By:	ng out of or related to the performance of services hereunder by C	Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Received By	t:	
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	// xie	7		

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

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



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

(202) 1071 1 0707-000 (000)			ALIAI VOIC DECLIECT
Company Name: BBC International, Inc.	BILL	<u>@</u>	ANALISIS NEWSES:
Project Manager: Cliff Brunson	P.O. #:		
Address: P.O. Box 805	Company:		
City: Hobbs State: NM	Zip: 88241 Attn:		
397-6388 Fax #:	575-397-0397 Address:	5	
Project #: Project Owner:	r: OXY city: C 7)		
Project Name: M/MV # 7	State: Zip:	1	
Project Location: Deep Well's Ru	Phone #:		
Sampler Name: Vost Orne/25	Fax#:	-×	
FOR LAB USE ONLY	MATRIX PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	PRAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL L UDGE THER: CID/BASE: E / COOL THER:	CL- TPH BTI	D76
50402	X	S-9 259 X	
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Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) ILL Recei wed By Phone Result:
Fax Result:
REMARKS: PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim

client, its subsidiaries

□ Yes

ON O

Add'l Fax #:

analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or const

Relinquished By

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-246

454

Kathy Purvis

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

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

To: Cliff P. Brunson

Cc: 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
Phone: (575) 397-6388

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Kathy Purvis

From: Cliff P. Brunson <cbrunson@bbcinternational.com>

Sent: Thursday, June 26, 2014 8:19 PM

To: Jennifer Van Curen

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

Subject: OXY-MLMU #71-Remediation Plan **Attachments:** Remediation Packet, MLMU #71.pdf

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 Geoff Leking of the NMOCD. Oxy will excavate to a depth of 1 foot in the entire leak areas as depicted on the attached site diagram except in the area of SP1, the excavation will be to a depth of 4 feet and the area around SP4 will be excavated to a depth of 2 feet. Then the site will then be backfilled with clean soil.

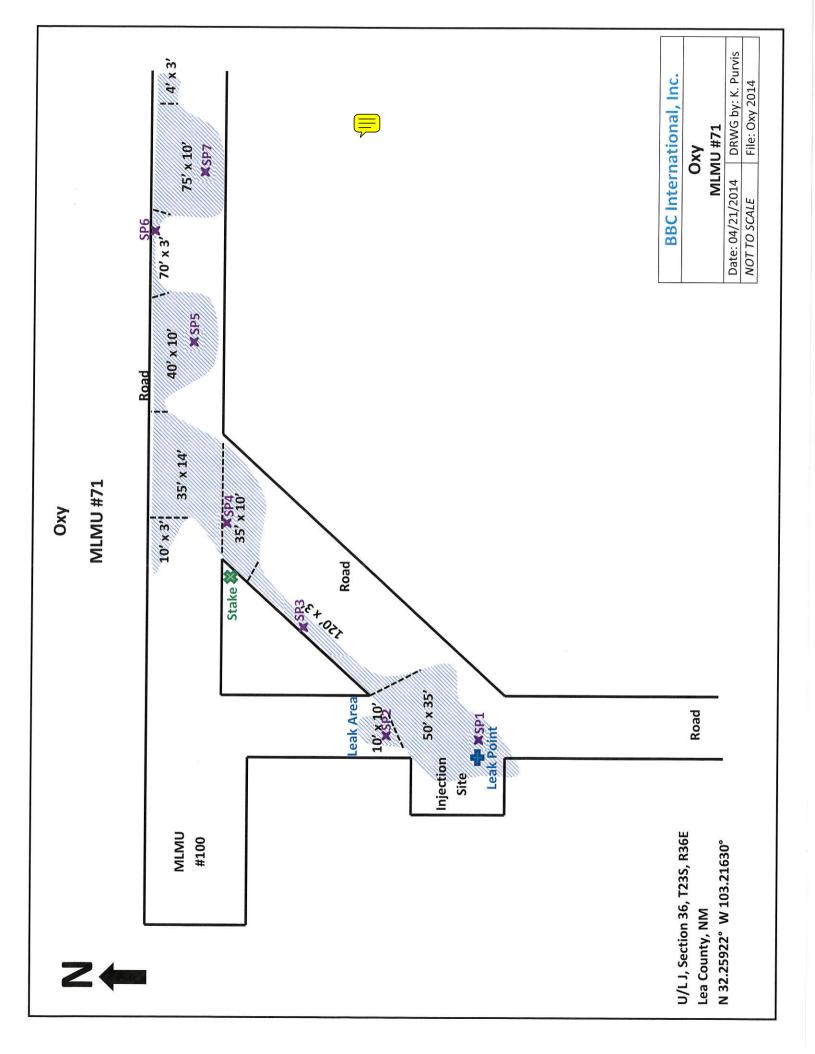
If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

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
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Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Groundwater Plot

Oxy MLMU #71

Unit Letter County Section Township Range **23S** 36E Lea 36

Trend Map 125' R36E R37E 25 141' T23S T23S 122 125' 127' 123 120' 133 136 142 104' T24S T24S R37E

USGS

SEO

All Databases

R36E

OCD

Location



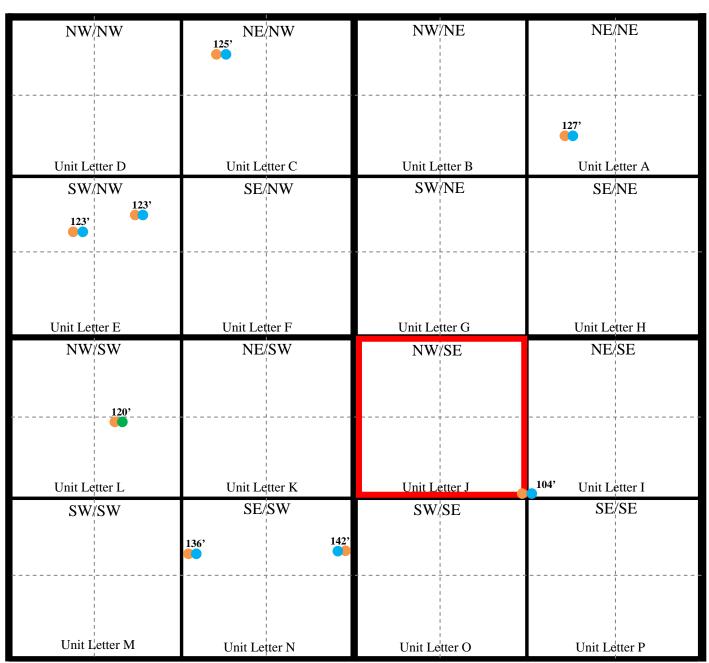
Section Quarters

Oxy MLMU #71

CountyUnit LetterSectionTownshipRangeLeaJ3623S36E

Trend Map 125'

1



3

Laboratory Analytical Results Summary MLMU #71

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	5/9/14	5/9/14	5/9/14	5/9/14	5/9/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		480	704	912	464	176
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	5/9/14	5/9/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		368	192
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	5/9/14	5/9/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		1040	144
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	5/9/14	5/9/14	5/9/14	5/9/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		496	624	384	176
GRO	TPH 8015M		n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		< 0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		928	<16.0
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

		Sample	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		192	16
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	5/12/14	5/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a
Chloride	SM4500CI-B		688	144
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a



May 19, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #71

Enclosed are the results of analyses for samples received by the laboratory on 05/13/14 12:32.

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: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

4 .. . l. d D.

Project Location: DEEP WELLS ROAD

Sample ID: SP 1 @ 1' (H401448-01)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	<0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	97.9	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 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	480	16.0	05/15/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/16/2014	ND	203	101	200	4.36	
DRO >C10-C28	<10.0	10.0	05/16/2014	ND	230	115	200	6.27	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

912

16.0

Sample ID: SP 1 @ 2' (H401448-02)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	05/15/2014	ND	400	100	400	0.00	
Sample ID: SP 1 @ 4' (H4	01448-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: SP 1 @ 6' (H401448-04)

Chloride

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/15/2014	ND	400	100	400	0.00	

ND

400

100

400

0.00

05/15/2014

Sample ID: SP 1 @ 7' (H401448-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 2 @ 1' (H401448-06)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/15/2014	ND	400	100	400	0.00	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

Sample ID: SP 2 @ 2' (H401448-07)

Chloride, SM4500CI-B	Analyze	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/15/2014	ND	400	100	400	0.00	

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: DEEP WELLS ROAD

Sample ID: SP 3 @ 1' (H401448-08)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	<0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 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	1040	16.0	05/15/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/16/2014	ND	203	101	200	4.36	
DRO >C10-C28	<10.0	10.0	05/16/2014	ND	230	115	200	6.27	
Surrogate: 1-Chlorooctane	106	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/09/2014

Reported: 05/19/2014 Sampling Type: Soil

DEEP WELLS ROAD

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H401448-09)

Project Location:

Chloride, SM4500CI-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Chloride 144 16.0 05/15/2014 ND 400 100 400 0.00

Sample ID: SP 4 @ 1' (H401448-10)

Chloride, SM4500Cl-B	mg/kg			d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 2' (H401448-11)

Chloride, SM4500Cl-B	/kg	g Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 3' (H401448-12)

Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/15/2014	ND	400	100	400	0.00	

Sample ID: SP 4 @ 4' (H401448-13)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/15/2014	ND	400	100	400	0.00	

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

DEEP WELLS ROAD Project Location:

Sample ID: SP 5 @ 1' (H401448-14)

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	05/16/2014	ND	2.28	114	2.00	0.684	
Toluene*	<0.050	0.050	05/16/2014	ND	2.23	112	2.00	3.55	
Ethylbenzene*	<0.050	0.050	05/16/2014	ND	2.07	104	2.00	3.35	
Total Xylenes*	<0.150	0.150	05/16/2014	ND	6.30	105	6.00	2.33	
Total BTEX	<0.300	0.300	05/16/2014	ND					
Surrogate: Dibromofluoromethane	96.5	% 61.3-14	2						
Surrogate: Toluene-d8	98.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 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	928	16.0	05/15/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/17/2014	ND	216	108	200	11.3	
DRO >C10-C28	<10.0	10.0	05/17/2014	ND	238	119	200	12.0	
Surrogate: 1-Chlorooctane	114 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	118	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil
Project Name: MLMU #71 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson
Project Location: DEEP WELLS ROAD

Sample ID: SP 5 @ 2' (H401448-15)

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 05/15/2014 ND 416 104 400 0.00

Sample ID: SP 6 @ 1' (H401448-16)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 192 16.0 05/15/2014 416 400 0.00 ND 104

Sample ID: SP 6 @ 2' (H401448-17)

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 05/15/2014 ND 400 0.00 16.0 416 104

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: MLMU #71 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

DEEP WELLS ROAD Project Location:

Sample ID: SP 7 @ 1' (H401448-18)

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	05/17/2014	ND	2.19	110	2.00	3.33		
Toluene*	<0.050	0.050	05/17/2014	ND	2.08	104	2.00	0.464		
Ethylbenzene*	<0.050	0.050	05/17/2014	ND	1.95	97.6	2.00	1.90		
Total Xylenes*	<0.150	0.150	05/17/2014	ND	6.07	101	6.00	1.93		
Total BTEX	<0.300	0.300	05/17/2014	ND						
Surrogate: Dibromofluoromethane	100	% 61.3-14	2							
Surrogate: Toluene-d8	99.8	% 71.3-12	9							
Surrogate: 4-Bromofluorobenzene	103 % 65.7-14		41							
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/15/2014	ND	416	104	400	0.00		
TPH 8015M	mg/kg		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/17/2014	ND	216	108	200	11.3		
DRO >C10-C28	<10.0	10.0	05/17/2014	ND	238	119	200	12.0		
Surrogate: 1-Chlorooctane	106	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	105	% 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: 05/13/2014 Sampling Date: 05/12/2014

Reported: 05/19/2014 Sampling Type: Soil

DEEP WELLS ROAD

Project Name: MLMU #71 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 7 @ 2' (H401448-19)

Project Location:

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 144 16.0 05/15/2014 ND 416 104 400 0.00

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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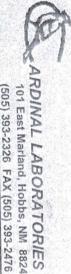
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101 East Mariand, Hobbs, NM 88240

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Company Name:	BBC International, Inc.	eat this	ANALYSIS REQUEST	
Project Manage	Project Manager: Cliff Brunson	P.O.#:		
Address: P.O. Box 805	Box 805	Company:		
city: Hobbs		State: NM Zip: 88241 Attn:		
Phone #: 575-397-6388	Fax #:	575-397-0397 Address: - 9//		
Project #:	Project Owner:	: $\mathcal{O}XV$ city:		
Project Name:	mcmu #71	State: Zip:		
Project Location: DCC	is Deep Wells Rd	Phone #:		
Sampler Name:	JEFF DENELA	/ Fax#:	<u> </u>	
FOR LAB USE ONLY		MATRIX PRESERV.	SAMPLING	
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affiliates or successors arising out of or related to the Relinquished By:	ng out of or related to the performance of services hereunder by C	Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Received By	t:	0.00
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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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



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

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Project Manager: Cliff Brunson	P.O.#:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM	Zip: 88241 Attn:	
397-6388 Fax#:	575-397-0397 Address:	
Project #: Project Owner:	r: OXY city: ~ 1Mo	
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Project Location: Deep Well's Re	Phone #:	
Sampler Name: Vost Orne/25	Fax #:	<u> </u>
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REMARKS: PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim

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analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or const

Relinquished By

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-246

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

State of New Mexico Energy Minerals and Natural Resources

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

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

Release Notification and Corrective Action

Form C-141

Revised August 8, 2011

						OPERA	ГOR		Initia	al Report	Final Repor	
Name of Co		Oxy Permia					Chancey Summe	ers				
		tanolind Rd,		VM 88240		Telephone l		-8216				
Facility Na	me MLI	MU #71 CTE	3			Facility Typ	e Battery					
Surface Ow	ner Kel	ly Myers		Mineral C)wner				API No	API No. 30-025-10901(nearest well)		
				LOCA	TIOI	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	West Line	County		
	31	238	37E							Lea		
		•		Latitude <u>N 32.</u>	26219°	Longitu	ıde <u>W 103.2074</u>	<u> </u>				
				NAT	URE	OF RELI	EASE					
Type of Rele		uced water				Volume of		bls	Volume F	Recovered	50 bbls	
stress/fatigue	at remote l		njection lir	ne caused by		Date and H 04/08/2014	Iour of Occurrenc	e	Date and	Hour of Dis	covery	
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required						If YES, To Geoffrey L	Whom? eking-NMOCD, .	Jennifer	Van Curer	ı-BLM		
By Whom? Jennifer Gilkey Date and Hour 04/09/2014 @ 5:24 pm												
Was a Watercourse Reached? If YES, Volu							lume Impacting t					
If a Watercou		L										
Stress on a 1' recovered 50 Describe Are The affected	Describe Cause of Problem and Remedial Action Taken.* Stress on a 1" stainless steel injection line at a remote header caused a leak of 100 bbls of produced water to spill onto the ground. A vacuum truck recovered 50 bbls of produced water and the line was repaired or replaced. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 8' x 650' on and off location. Remediation will be completed in accordance with an approved remediation plan from											
NMOCD and	the BLM.										•	
regulations al public health should their o or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									may endanger ator of liability ter, human health		
OIL CONSERVATION DIVISION Signature:								N				
Printed Name	: Chance	y Summers			A	pproved by I	Environmental Sp	ecialist:	:			
Title: HES	Coordinato	r			A	pproval Date	e:	E	Expiration D	Date:		
	15-19		Phone:	(575) 397-8216		onditions of	Approval:			Attached		
' Attach Addit	ional Shee	ts If Necessa	rv									