

Site Description				
Site Name:	MLMU CTB			
Company:	Oxy Permian Ltd.			
Legal Description:	U/L G, Section 5, T24S, R37E			
County:	Lea County, NM			
GPS Coordinates:	N 32.24724° W 103.18388°			

Release Data					
Date of Release:	10/23/2015				
Type of Release:	Oil and produced water				
Source of Release:	Lost pressure on the belts & sent the fluid out the vent line				
Volume of Release:	30 bbls oil and 30 bbls produced water				
Volume Recovered:	55 bbls of fluid				

Remediation Specifications				
Remediation Parameters:	Surface scrape 6" across the entire location. Backfill the site with clean soil.			
Remediation Activities:	03/22/2016 to 04/08/2016			

Plan Sent to OCD:	01/27/2016	Email from Cliff Brunson to Kellie Jones
OCD Approval of Plan:	01/29/2016	Email from Kellie Jones to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation				
Initial C-141	Signed 11/11/2015			
Final C-141	Signed 04/11/2016			
Site Diagram	November 2015			
Groundwater Plot	100'			
TOPO Maps	November 2015			
Lab Summary	11/20/2015 and 11/23/2015			
Lab Analysis	11/20/2015 and 11/23/2015			
Correspondence	Request and approval of remediation plan via email			

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc. 04/14/2016 District I
1625 N. French Dr., Hohbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

Release Notification and Corrective Action

					OPERA	TOD		521 rt	dut to		T ==== ===
Name of C	ompany OxyPerm	ian Ltd.				Dusty Wilson		⊠ Ini	tial Report		Final Re
Address	6 Desta Drive, Midl	and, TX 79	705		Telephone	No. 432-685	-5771				
Facility Na	me MLMU CTB	·]	Facility Typ	e Battery		· · · · · · · · · · · · · · · · · · ·			
Surface Ow	ner Jimmy Doom		Mineral O	wner				APIN	o. 30-025-1	1012	
			LOCA	מינים	AT CATE TATES				01 DO OND-1	1017	
Unit Letter	Section Township	Range			N OF RE	Feet from the	TE				
G	5 248	37E	Tool tool the	110112	naount Mile	rect from the	Hast/	West Line	County Lea		
]	Latitude <u>32.24</u> °	724	Longitud	de_103.18388			<u></u>		
/T: 00 :			NATU	JRE	OF RELI	EASE					
Type of Release Oil and Produced water Volum				Volume of	Release 30 bbl duced water	s oil,	Volume	Recovered 5	5 bbl	of fluid	
Compressor se	ease Lost pressure on at the fluid out the ver te Notice Given?	the belts of the line and re	he supplied gas air lief valve		Date and H 10/23/15	our of Occurrence	æ	Date and	Hour of Disc	overy	
			No 🗌 Not Requ	uired	If YES, To Kelly Jones	Whom? , Jamie Keyes					
By Whom? K	athy Purvis @ BBC In	ternational			Date and He	pur 10/23/15	2:32 pi	m			
Was a Watercourse Reached? ☐ Yes ☒ No					If YES, Vol	ume Impacting t	he Wate	rcourse.			
Tes Waterson	se was Impacted, Desc		110								
Lost pressure of produced water	of Problem and Rem in the belts of the supp A vacuum truck reco	lied gas air o overed 55 bb	ompressor which so ls of fluid.	ent flu	id out the ven	t line and relief v	aive ca	used the sp	ill of 30 bbls	oil an	d 30 bbls
The affected are NMOCD.	ea is approximately 20	0' x 100' on	location. Remedia	tion w	rili be complet	ed in accordance	with th	ie remediat	ion plan appr	oved i	by
public health or should their ope or the environm	that the information giperators are required to the environment. The rations have failed to sent. In addition, NMO local laws and/or regu	acceptance adequately in	of a C-141 report by	y the I	MOCD mark	personn correctived as "Final Rep	ve actio	ns for relea es not relie	ses which me ve the operate	y end or of [langer lability
Signature:	last of					OIL CONSI	ERVA	TIONI	DIVISION		
/ /	Dusty Wilson			Ap	proved by En	vironmental Spec	cialist:				İ
itle: Environ	mental Advisor			Ap	proval Date;		Ex	piration Da	ite:		
1 1	: Dusty Wilson@c	xy.com		Co	nditions of Ap	proval:			Attached [1	
ete: /1/11/15		Phone:]		1	
ttach Addition	al Sheets If Magazan	~ .		'							

<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.

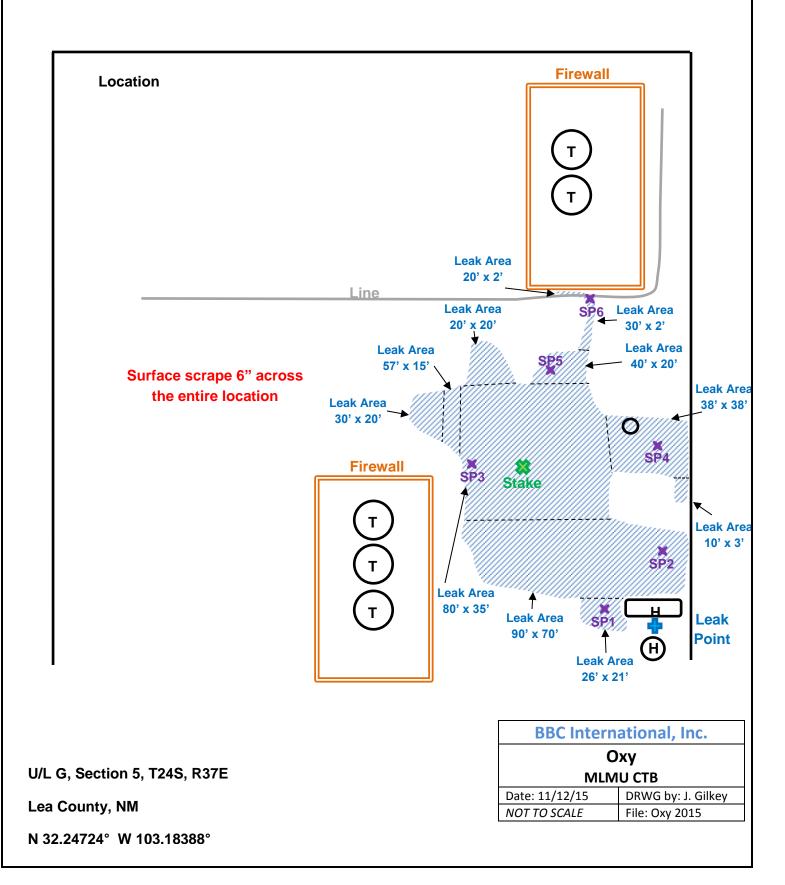
Form C-141 Revised August 8, 2011

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

Name of Company Oxy Permian Ltd.	Release Notification	on and Corrective Action	on				
Name of Company Oxy Permian Ltd.		OPERATOR	Initial	Report 🛛	Final Report		
Facility Name MLMU CTB	Name of Company Oxy Permian Ltd.	Contact Casey Summers			· · · · · · · · · · · · · · · · · · ·		
Surface Owner Jimmy Doom							
Unit Letter	Facility Name MLMU CTB	Facility Type Battery					
Unit Letter	Surface Owner Jimmy Doom Mineral Owner		API No.	30-025-11017			
Unit Letter Section Township Range Rect from the Set from the Set from the County							
Latitude 32,24724 Longitude 103,18388 NATURE OF RELEASE Type of Release Oil and Produced water Volume of Release 30 bbls oil, 30 bbls produced water 30 bbls oil, 30 bbls produced water 10,23/15 Source of Release Lost pressure on the belts of the supplied gas air compressor sent the fluid out the vent line and relief valve 10,23/15 Was Immediate Notice Green? Volume of Release 30 bbls oil, 30 bbls produced water 10,23/15 Was Immediate Notice Green? Volume and Hour of Occurrence 10,23/15 By Whorn? Kathy Purvise BBC International Date and Hour 10,23/15 2:32 pm Was a Watercourse Reached? Yes No Date and Hour 10,23/15 2:32 pm If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Lost pressure on the belts of the supplied gas air compressor which sent fluid out the vent line and relief valve caused the spill of 30 bbls oil and 30 bbls produced water. A vacuum truck recovered 55 bbls of fluid. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 200' x 100' on location. Remediation was completed in accordance with the remediation plan approved by Jamie Keyes of NMOCD via email on 01/29/2016. 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 of the environment. In addicing NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or locally we shallow report and any other federal, state, or locally we shallow respirate and remediate contamination that pose a threat to ground water, stratece water, human health or the environment. In addicing NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other fed			t/Wast Lina	County			
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Compressor sent the fluid out the vent line and relief valve 10/23/15 17/25. To Whom? 17/25. To Whom? 17/25. To Whom? 18/25. T							
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Signature: Approved by Environmental Specialist: Approved by Environmental Speci							
Signature: Printed Name: Casey Summers Approved by Environmental Specialist: Approval Date: Approval Date: OIL CONSERVATION DIVISION Approval Specialist: Approval Date: O4/14/2016 Expiration Date: Attached 1RP 3978		does not relieve the operator of respo	nsibility for cor	mpliance with any	other		
Signature: Printed Name: Casey Summers Approved by Environmental Specialist: Title: NM Environmental Advisor Approval Date: 04/14/2016 Expiration Date: E-mail Address: : Casey_Summers@oxy.com Conditions of Approval: Image: Casey_Summers@oxy.com							
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E-mail Address: : Casey_Summers@oxy.com Conditions of Approval: Date:	Printed Name: Casey Summers						
E-mail Address: : Casey_Summers@oxy.com Conditions of Approval: Date:		04/14/2016		///			
Date: - / / / O Phone: (575) 513-8289 /// 1RP 3978	TRIE: NIVI Environmental Advisor	Approvai Date:	Expiration D	ate:			
Date: - // - / O Phone: (575) 513-8289 ///	E-mail Address: : Casey_Summers@oxy.com	Conditions of Approval:		Attached			
Date: (7) Phone: (5/5) 513-8289	H-11-16	///		_			
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Oxy MLMU CTB



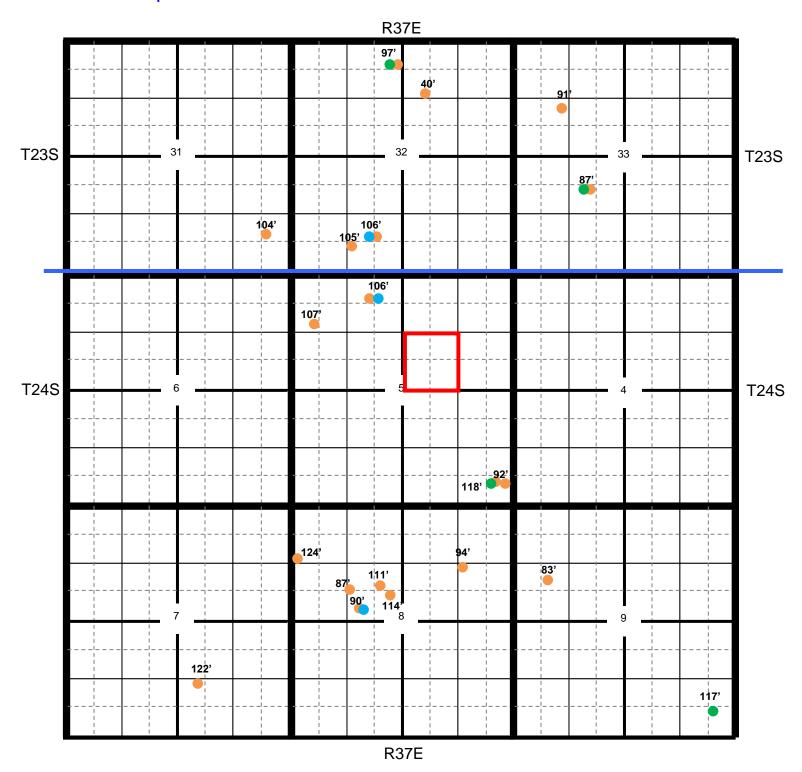


Groundwater Plot

Oxy MLMU CTB

CountyUnit LetterSectionTownshipRangeLeaG524S37E

Trend Map 100'

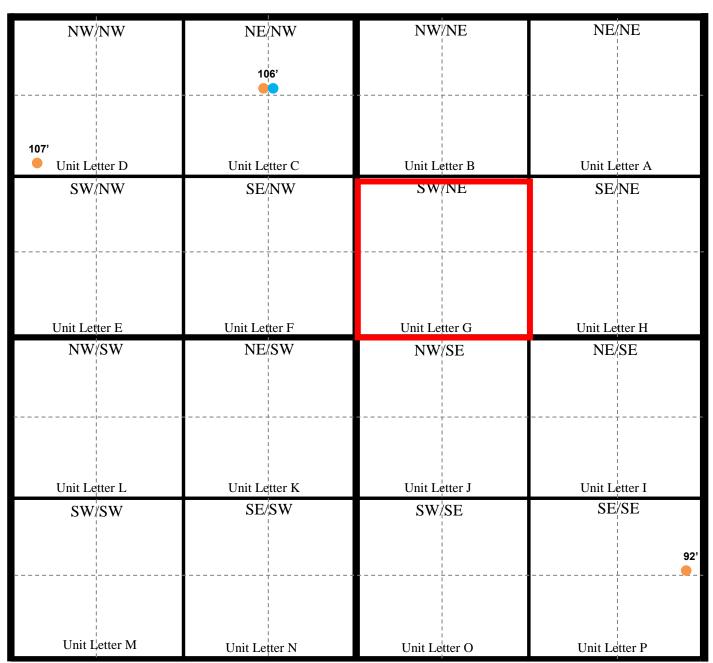


Oxy MLMU CTB

CountyUnit LetterSectionTownshipRangeLeaG524S37E

Trend Map 100'

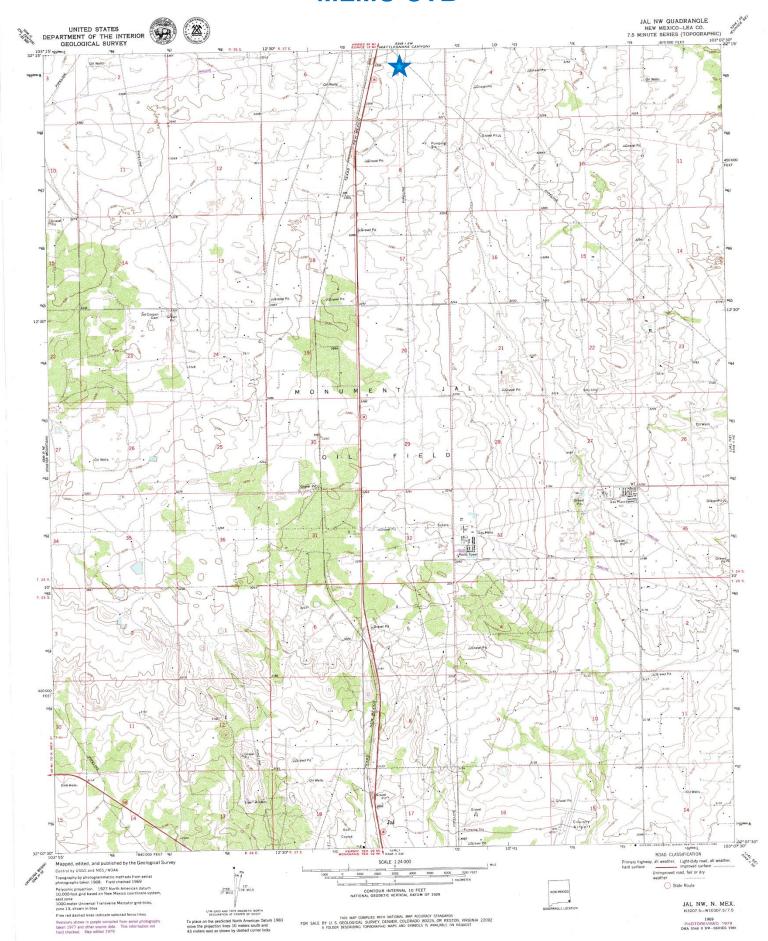
1



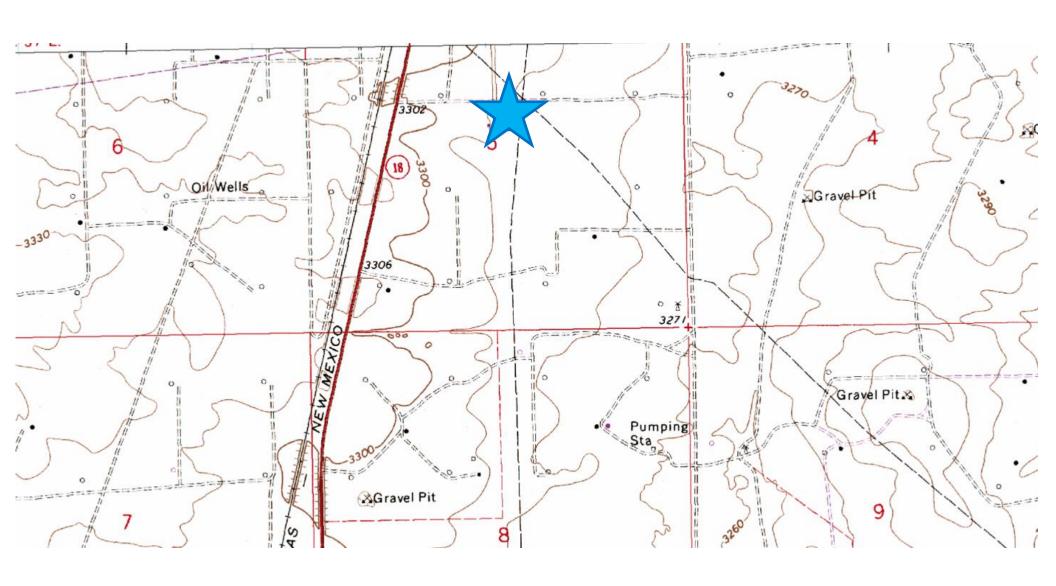
3

Oxy

MLMU CTB



Oxy MLMU CTB



Laboratory Analytical Results Summary MLMU CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/20/15	11/20/15	11/20/15	11/20/15
			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		<16.0	<16.0	<16.0	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/20/15	11/20/15
			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		<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	11/20/15	11/20/15	11/20/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		19.2	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/20/15	11/20/15
			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		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/23/15	11/23/15
			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		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/23/15	11/23/15
			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		<10.0	<10.0



December 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU - CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/24/15 16:00.

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. 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: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB Project Number: NONE GIVEN Project Location: NOT GIVEN

Sampling Condition: Cool & Intact Sample Received By: Judy Garcia

11/20/2015

Soil

Sampling Date:

Sampling Type:

Sample ID: SP1 @ 1' (H503115-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	

< 0.050 0.050 12/01/2015 0.500 Ethylbenzene* ND 1.97 98.6 2.00 Total Xylenes* 0.150 12/01/2015 5.90 0.375 < 0.150 ND 98.4 6.00 Total BTEX < 0.300 0.300 12/01/2015 ND

Surrogate: 4-Bromofluorobenzene (PID 104 % 73.6-140

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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	

Surrogate: 1-Chlorooctane 104 % 35-147

112 % 28-171 Surrogate: 1-Chlorooctadecane

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 2' (H503115-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	99.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	109 9	% 28-171							

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: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 3' (H503115-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	95.5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171							

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 4' (H503115-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
Chloride, SM4500Cl-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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	102 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	113 9	% 28-171							

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Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2 @ 1' (H503115-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	97.0	% 35-147	,						
Surrogate: 1-Chlorooctadecane	104 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2 @ 2' (H503115-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	115 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	122 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3 @ 1' (H503115-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	< 0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	< 0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	19.2	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	91.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	99.9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Judy Garcia

Sample ID: SP3 @ 2' (H503115-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/01/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	96.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	104 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3 @ 3' (H503115-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	2.00	100	2.00	2.96	
Toluene*	<0.050	0.050	12/01/2015	ND	2.00	99.8	2.00	3.24	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	2.06	103	2.00	9.79	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	6.11	102	6.00	2.96	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	99.4	% 35-147							
Surrogate: 1-Chlorooctadecane	110 9	% 28-171							

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name.	BBC International, Inc.		8///	BILL TO			
Project Manager:	er: Cliff Brunson		P.O. #:			ANALYSIS REQUEST	UEST
Address: P.O. Box 805). Box 805		Company:				
City: Hobbs	State: NM	Zip: 88241	Attn:				
Phone #: 575-397-6388	Fax #:	Ģ١	Address:				
Project #:	Project Owner: Oxy	er: Oxy	City:				
Project Name: MLMU CTB			State: 7in.	:			
Project Location:	n:		#				
Sampler Name:	Jeff Ornelas		Fax #:				
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING			
Lab I.D.	Sample I.D.	OR (C)OMP AINERS DWATER WATER	SE: OL				
150315		# CONT	SLUDGE OTHER: ACID/BA CE / CO OTHER:	DATE TIME 1	TPH BTEX Chlor		
3-	SP1 @ 1'	1 /		9	\		
12	SP1@2	6///	/ 11-	11-20-15 10:10 am	\		
2	SP1 @ 3	611	/ 11-	11-20-15 10:33 am	\ \ \		
7	SP3 @ 1	6 1	11-	11-20-15 10:56 am	\ \ \		
er	SP2 @ 2'		11-	11-20-15 12:55 pm	\ \ \ \ \		
17	SP3 @ 1'	6	11-	11-20-15 1:31 pm			
ضر م	SP3 @ 2'	611	/ 118	11-20-15 1:45 pm	\ \ \		
1	SP3 @3	61	/ 113	11-20-15 2:15 pm	\ \ \		
PLEASE NOTE: Liability an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount neid by the client for the	any claim arising whether based in c	contract or tort, shall be limited to the a	mount paid by the client for the			
service. In no event shall Ca affiliates or successors arisin	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clarifications and an experience of services. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clarifications or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquisched	deemed walved unless made in writ g without limitation, business interrup Cardinal, regardless of whether such	ting and received by Cardinal within 30 ptions, loss of use, or loss of profits inc claim is based upon any of the above	days after completion of the app curred by client, its subsidiaries, stated reasons or otherwise	licable		
Managed by.	Date: 11.24.15	Received By:			□ Yes □		
foll Operation	\	Milio !	noo	REMARKS:	□ TeS □ N	No Add'I Fax #:	
		111111111111111111111111111111111111111	- Andrews				

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

8.80

(Muitials)

is runus

Time: Y: COPM

Date: Received By



December 02, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU - CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/24/15 16:00.

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. 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: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP4 @ 1' (H503114-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	< 0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	< 0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	102 9	% 35-147							
Surrogate: 1-Chlorooctadecane	110 %	6 28-171							

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/20/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP4 @ 2' (H503114-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	105 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	115 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/23/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ 1' (H503114-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	97.6	% 35-147	,						
Surrogate: 1-Chlorooctadecane	106 9	% 28-171							

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/23/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ 2' (H503114-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	< 0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	< 0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	99.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	109 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/23/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP6 @ 1' (H503114-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	95.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	106 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/24/2015

Reported: 12/02/2015

Project Name: MLMU - CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/23/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Judy Garcia

Sample ID: SP6 @ 2' (H503114-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2015	ND	1.93	96.6	2.00	0.592	
Toluene*	<0.050	0.050	12/01/2015	ND	1.92	96.2	2.00	0.359	
Ethylbenzene*	<0.050	0.050	12/01/2015	ND	1.97	98.6	2.00	0.500	
Total Xylenes*	<0.150	0.150	12/01/2015	ND	5.90	98.4	6.00	0.375	
Total BTEX	<0.300	0.300	12/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 73.6-14	0						
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	12/01/2015	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	11/30/2015	ND	189	94.7	200	0.468	
DRO >C10-C28	<10.0	10.0	11/30/2015	ND	188	94.0	200	3.34	
Surrogate: 1-Chlorooctane	106 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	116 %	6 28-171							

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.	() ()						
P.O. #: Cliff Brunson P.O. #: Company: Company: Company: City: State: NM Zip: 88241 Attn: Attn: 397-6388 Fax #: 575-397-0397 Address: Project Owner: Oxy City: State: Zip: Phone #: Fax #: Phone #: Fax #: F	Company Name: BBC International, Inc.		BIL	170			
State: NM Zip: 88241 Attn: Att	Project Manager: Cliff Brunson				_	+	
State: NM Zip: 88241 Atm: Atm: Address: Addre	Address: P.O. Box 805		Company				
Sample I.D.		- 1	Attn:				
Sample I.D. Sample I.D. State: Zip: Fax #: Fax	Fax #:	Ċ٦	Address:				
MLMU CTB State: Zip: Phone #: Phone #		vner: Oxy	City:				
Deff Ornelas				D.			
Sample I.D. Fax #: Fax #	Project Location:		#.	3			
SP4 @ 1' SP5 @ 2' SP6 @ 1' SP6 @ 2' SP6 @			Fay#				
Sample I.D. Sample I.D. SP4 @ 1' SP4 @ 1' SP5 @ 1' SP5 @ 2' SP6 @ 1' SP6 @ 2'	٦	MATRIX		SAMPI ING			
Sample I.D. SP4 @ 1' SP4 @ 1' SP5 @ 1' SP6 @ 2' SP6 @ 1' SP6 @ 2' SP6 @ 1' SP6 @ 2' SP7 W W W W W W W W W W W W W W W W W W W		R					
(G) RAB (G) RA		AINERS DWATE	SE:				
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6 1 1 11-20-15 3:10 pm	SP4 @ 1'	1 1	/	1-20-15 3:05 pm	\		
6 1 1 11-23-15 9:22 am	SP4 @ 2'	611	/ 11	I-20-15 3:10 pm	<	\	
6 1 1 11-23-15 9:51 am	SP5 @ 1'	61 1	1 11	-23-15 9:22 am	<u> </u>	\	
6 1 1 1-23-15 10:47 am	4 SP5 @ 2'	61 1	<i>j</i> 11	-23-15 9:51 am	<	\	
6 / / 11-23-15 11:30 am V V	5 SP6 @ 1'	611	/ 11	-23-15 10:47 am	< .	1	
	Ø SP6 @ 2'	1	/ 11	-23-15 11:30 am	<	1	

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

Sampler - UPS - Bus - Other:

Defivered By: (Circle One)

affiliates or successors arising Relinquished By:

Religiquished By:

Date: //24.15

Réceived By

Time: Y:OOPIN

Date: //-24.5

Phone Result:
Fax Result:
REMARKS:

☐ Yes

O No

Add'l Phone #: Add'l Fax #:

Time: 2. 41914

Kathy Purvis

From: Jones, Kellie, EMNRD < Kellie.Jones@state.nm.us>

Sent: Friday, January 29, 2016 2:04 PM **To:** Cliff Brunson; Keyes, Jamie, EMNRD

Casey Summers; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey;

Kathy Purvis

Subject: RE: OXY MLMU CTB - Remediation Plan

Cliff,

OCD approves the work plan.

Thanks,

Kellie Jones
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
575-393-6161 ext. 111
575-370-3180 (emergency-cell)
E-Mail: kellie.jones@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Wednesday, January 27, 2016 6:30 PM **To:** Jones, Kellie, EMNRD; Keyes, Jamie, EMNRD

Cc: Casey Summers; Dusty Wilson; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY MLMU CTB - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy MLMU CTB. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA

Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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