# **Closure Report**

APR 2 9 2013

NMOCD ARTESIA

Site Description						
Site Name: McCall #2 Battery						
Company:	Oxy Permian Ltd.					
Legal Description:	U/L M, Section 24, T18S, R26E					
County:	Eddy County, NM					
GPS Coordinates:	N 32.72665° W 104.34347°					

# Release DataDate of Release:07/01/2011Type of Release:Produced WaterSource of Release:Tank releaseVolume of Release:63 bblsVolume Recovered:50 bbls

Remediation Specifications									
Remediation Parameters:Complete a surface scrape in the areas of SP1, SP2, SP#, and SP4. Excavate the impacted soil to a depth of 3 feet in the areas of SP5 and SP6. A composite confirmation sample will be taken form the surface scrape area and a bottom confirmation sample will be taken from the 3' excavation area. Samples will be analyzed for TPH and BTEX. Backfill the excavation with clean soil.									
Remediation Activities:	04/05/2013 to 0	4/16/2013							
Plan Sent to OCD: OCD Approval of Plan:	12/17/2012 01/10/2013	Email from Cliff Brunson to Mike Bratcher Email from Mike Bratcher to Cliff Brunson							
Plan Sent to BLM:	Not required	Not required							
BLM Approval of Plan:	Not required	Not required							

Supporting Documentation						
Initial C-141	Signed 07/06/2011					
Final C-141	Signed 4/25/2013					
Site Diagram	May 2012					
Groundwater Plot	<50'					
TOPO Maps	May 2012					
Lab Summary	07/06/2012, 09/06/2012, and 04/10/2013					
Lab Analysis	07/06/2012, 09/06/2012, and 04/10/2013					
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.

04/25/2013

District II	and Natura				Re		Form C-141 40ber 10, 2003		
301 W. Grand Avenue, Artesis, NM 88210 Nutrict III	01	vation Div	ination			Submit 2 C	Copies t	o appre	
000 Rio Brazos Road, Azter, NM 87410 Natrict IV	Oil Conservation Division 1220 South St. Francis Dr.						District (	Office i ith Rule	in accordance 116 on
220 S. St. Francis Dr., Santa Fe, NM 87505		Santa Fe, NM 87505							side of form
F	Lelease Notifi				ction				
MCB1122247479			OPERA	-		🛛 Initiz	i Report		Final Repo
Name of Company OXY USA	1669	¥		tton Beaind					
Address 1502 W. Commerce Carlsbad,	<u>NM 88220</u>			No. (O) 575-628				_	
Facility Name McCall #2	······································		Facility Typ	e. Tank Battery					
Surface Owner	Mineral (	Owner				Lease N	6. API: 30		
	LOC	ATIO	of RE	LEASE			API:3	00/3	52944
Unit Letter Section Township Ran	nge Feet from the	North	South Line	Feet from the	East/W	est Line	County	_	
M 24 188 26F	3		······				Eddy		
	Latitude		Longitud	e			-		
	NAT	TURE	OF REL	EASE			•		
Type of Release Produced Water			Volume of	Release 63			ecovered 1		
Source of Release Tank			Date and I	four of Occurrenc		Date and ] 7-1-11 @	Hour of Dis	covery	
Was Immediate Notice Given?	No Not Re		If YES, Te Mile Brate	Whom?					
By Whom? Kelton Beaird (Oxy)				lour See above		<u> </u>			
Was a Watercourse Reached?			If YES, Volume Impacting the Watercourse.						
	a 🛛 No								
Describe Cause of Problem and Remedial A Transfer pump failed, tank ran over. Vacuu		o pick u	remaining f	luid		J	CEIV	_011	
Transfer pump failed, tank ran over. Vacun	un Truck was called b	o pick uj	) remaining f	hoid		J	UL II 2	_011	
Transfer pump failed, tank ran over. Vacuu Describe Area Affected and Clearup Action The majority of fluid stayed inside the bern	un Trock was called b Taken.* 15, however a small ar			<u> </u>	ation in t	NMC		TES	IA
Transfer pump failed, tank ran over. Vacua Describe Area Affected and Clearup Action The majority of fluid stayed inside the bern cleaned up per NMOCD and BLM guideling hereby certify that the information given al egulations all operators are required to repo- sublic health or the environment. The accep- hould their operations have failed to adequar the environment. In addition, NMOCD ag	Im Truck was called to Taken.* is, however a small ar es. hove is true and comp at and/or file certain p stance of a C-141 repo stely investigate and n gceptance of a C-141	nount of lete to the clease month by the competition	spray did ter e best of my tifications a NMOCD m contaminati	ch west of the loc knowledge and u at perform correct arked as "Final Re on that pose a thre a the operator of i	oderstand tive action sport" do sat to grou esponsibi	that pursues that pursues as for release not relia and water, lity for co	CD AR CD AR Area will ant to NMC ases which reve the open surface wat ampliance wi	DCD ru nay en ator of ter, hun ith any	IA Incested and les and tanger liability nan health
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# State of New Mexico Energy Minerals and Natural Resources

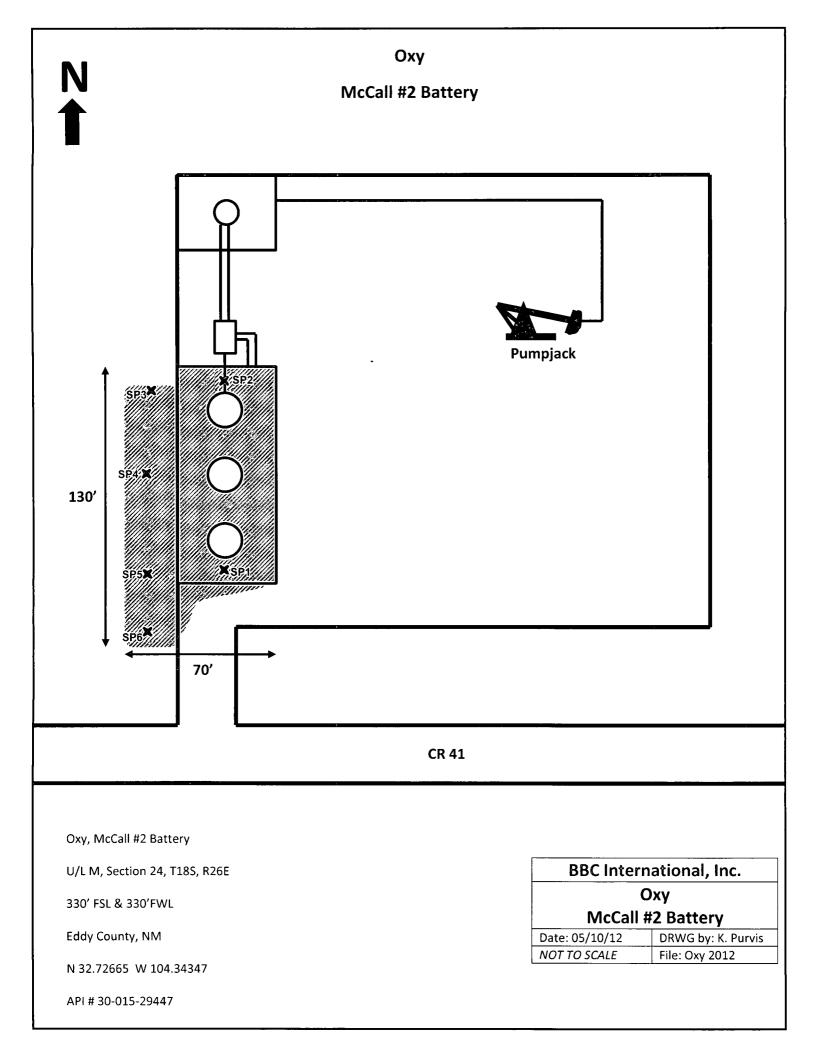
Oil Conservation Division 1220 South St. Francis Dr. Form C-141 Revised October 10, 2003

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Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

1220 S. St. Fran	cis Dr., Santa	i Fe, NM 87505	5	Sa	inta Fe	e, NM 875	05					side of form
	Release Notification and Corrective Action											
						OPERAT	FOR		🗌 Initia	al Report	$\boxtimes$	Final Report
Name of Co		Oxy Permia					U Summers					
		anolind Rd,	Hobbs, 1	<u>NM</u>		Telephone N		and the second s				
Facility Nar	ne McCa	all #2				Facility Typ	e Tank Batte	ery				
Surface Owner Fee Mineral Owner Lease No. 30-015-29447								<u> </u>				
				LOCA	TIO	N OF REI	LEASE					
Unit Letter Section Township Range Feet from the North/South Line Feet from								East	West Line	County		
м	24	185	26E						:	Eddy		
			L	atitude N 32.7	<u>2665°</u>	Longitu	de <u>W 104,343</u>	<u>47°</u>				
				NAT	URE	OF REL	EASE					
Type of Rele	ase Produ	iced water	······			Volume of	Release 63 bb	ols	Volume F	Recovered	50 bbl	3
Source of Re	lease Tran	sfer pump fail	ure cause	d tank overflow		Date and H	lour of Occurren	ce		Hour of Dis		
Was Immedia	ate Notice C		Yes 🗌	No 🗌 Not Re	equired	If YES, To Mike Brate	Whom? her-NMOCD					
By Whom?					······	Date and H	lour 07/01/201	1@8:0	0 am			
Was a Water	course Read		Yes 🛛	Nø		If YES, Vo	lume Impacting	the Wat	ercourse.			
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	<u>د</u>					REC	EIVE	ED	
									APR	<b>2 9</b> 201	3	
Describe Cau	se of Proble	m and Reme	tial Action	1 Taken.*	·						-014	
				duced water to spi	ill onto 1	the ground. 5	0 bbls of produc			D ARTE		- I
pump was rep							· · · · · · · · · · · · · · · · · · ·					
Describe Are	a Affected a	nd Cleanup A	ction Tak	en.*						······································		
The area affe water were re Bratcher via e	covered via	vacuum truc	)' x 70'. F k and the p	failure of a transfe oump was repaired	er pump d. Rem	caused 63 bb ediation was (	ls of produced w completed in acc	ater to s ordance	pill onto the with a remo	e ground. 5 ediation pla	0 bbls c n appro	of produced ved by Mike
regulations al public health should their o	l operators or the envir perations hament. In a	are required to onment. The ave failed to a idition_NMO	o report an acceptance idequately CD accep	is true and comp id/or file certain m e of a C-141 repo investigate and r tance of a C-141 i	elease n ort by the emediate	otifications a e NMOCD m e contaminati	nd perform corre arked as "Final F on that pose a th	ctive act teport" c reat to g	ions for reli locs not reli round water	eases which leve the ope , surface wa	may er rator of ater, hu	idanger liability man health
							<u>OIL CON</u>	SERV	ATION	DIVISIC	<u>DN</u>	
Signature:	<u>L</u>											
Printed Name	: Christo	pher Jones				Approved by	District Supervis	sor:				
Title: HES	Specialist	. <u>M-ii</u>				Approval Dat	e:		Expiration	Date:		······
E-mail Addre	ss: Chris	topher_Jones(	aoxy.com	L		Conditions of	Approval:				ومنتنع	
	heliz			······································						Attached		{

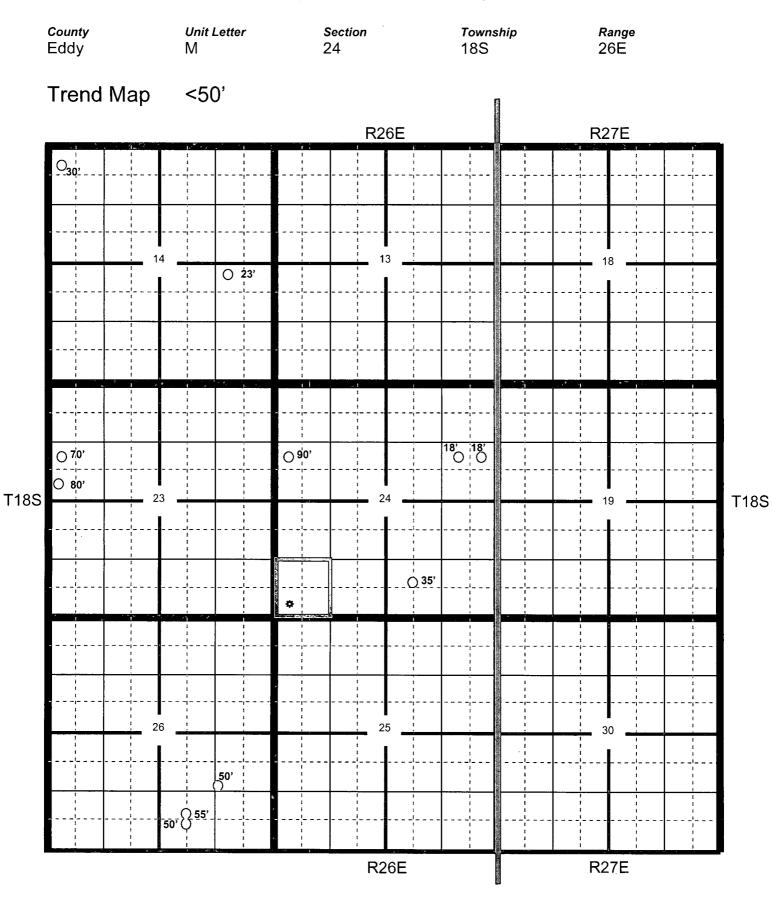
D	ite: Z	1251	13	Phone: (575)	397-8216
* At	tach Add	litional	Sheets If Necessar	ry	





Groundwater Plot

# Oxy McCall #2 Battery

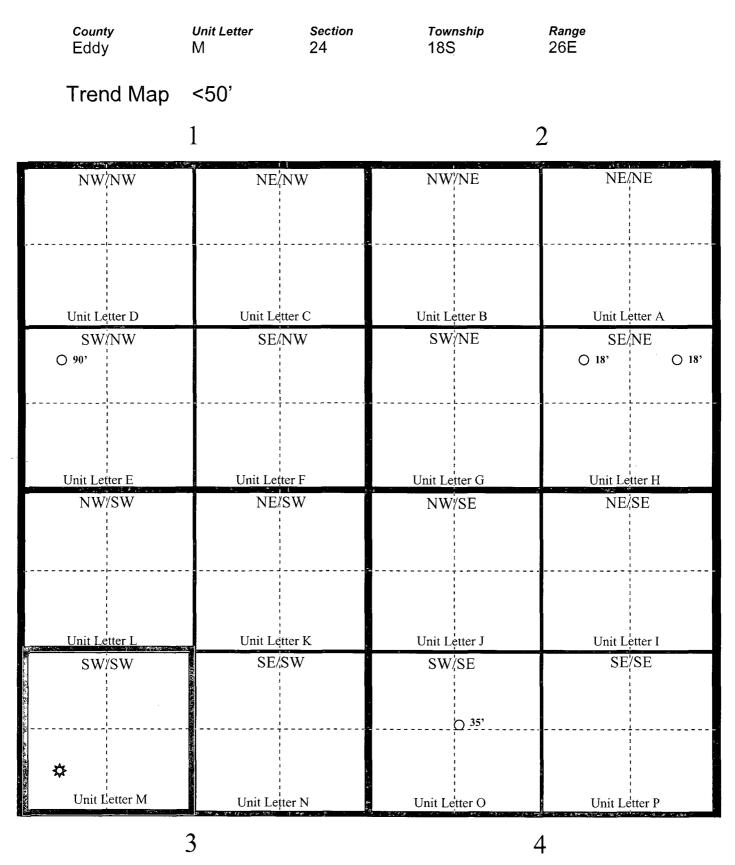


Location



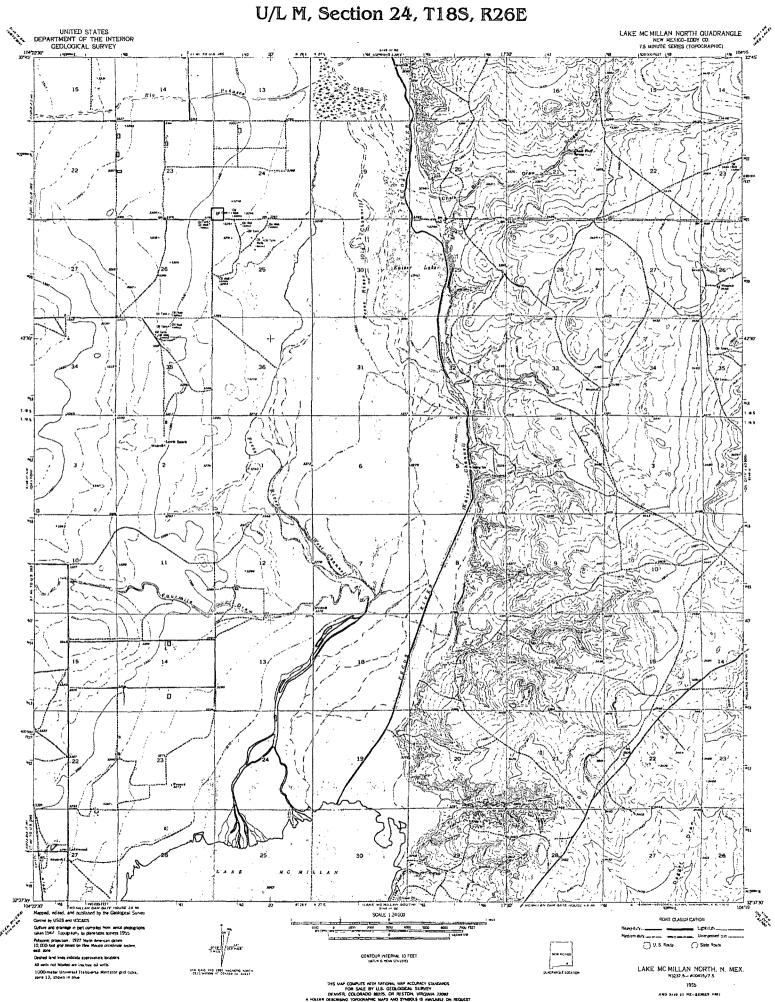
Section Quarters

# Oxy McCall #2 Battery



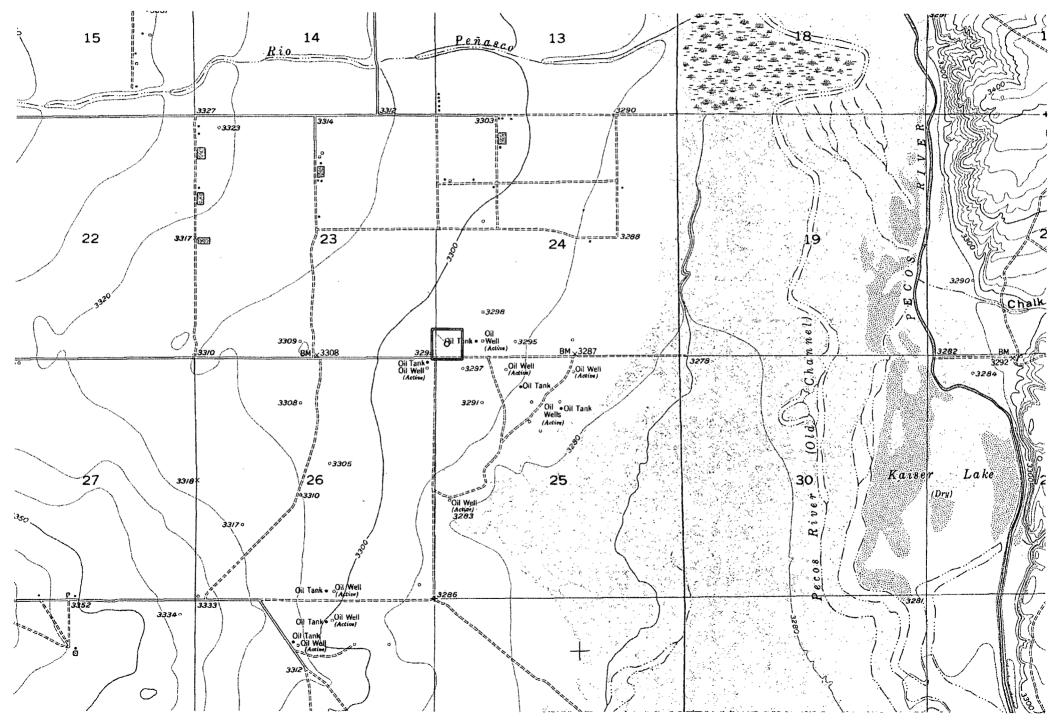
O SEO

Oxy, McCall #2 Battery



# Oxy, McCall #2 Battery

U/L M, Section 24, T18S, R26E



# Laboratory Analytical Results Summary OXY, McCall #2

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	7/6/12	7/6/12
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		144	48

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	7/6/12	7/6/12
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		80	32

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	7/6/12	7/6/12
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	160

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	7/6/12	7/6/12
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		<16.0	176

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 3'	SP5 @ 6'	SP5 @ 9'	SP5 @ 12'
Analyte	Method	Date	7/6/12	7/6/12	9/6/12	9/6/12	9/6/12	9/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		21200	10100	2600	928	576	416

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 3'	SP6 @ 6'	SP6 @ 9'
Analyte	Method	Date	7/6/12	7/6/12	9/6/12	9/6/12	9/6/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		31200	8400	2640	928	592

# Laboratory Analytical Results Summary McCall #2 Battery

		Sample	4 POINT COMPOSITE
Analyte	Method	Date	4/10/13
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	BOTTOM SAMPLE @ 3'
Analyte	Method	Date	4/10/13
			mg/Kg
Benzene	BTEX 8021B		< 0.050
Toluene	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B		< 0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		< 0.300
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



July 12, 2012

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

RE: MC CALL #2

Enclosed are the results of analyses for samples received by the laboratory on 07/10/12 9:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lope S. Moreno

Hope Moreno Inorganic Technical Director



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (505) 397-0397

Received:	07/10/2012	Sampling Date:	07/06/2012
Reported:	07/12/2012	Sampling Type:	Soil
Project Name:	MC CALL #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

#### Sample ID: SP 1 @ SURFACE (H201567-01)

hloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/12/2012	ND	416	104	400	3.77	

# Sample ID: SP 1 @ 1' (H201567-02)

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2012	ND	416	104	400	3.77	

#### Sample ID: SP 2 @ SURFACE (H201567-03)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/12/2012	ND	416	104	400	3.77	

# Sample ID: SP 2 @ 1' (H201567-04)

Chloride, SM4500Cl-B	oride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2012	ND	416	104	400	3.77	

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Lope S. Moreno

Hope Moreno, Inorganic Technical Director



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (505) 397-0397

Received:	07/10/2012	Sampling Date:	07/06/2012
Reported:	07/12/2012	Sampling Type:	Soil
Project Name:	MC CALL #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

#### Sample ID: SP 3 @ SURFACE (H201567-05)

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	07/12/2012	ND	416	104	400	3.77	

## Sample ID: SP 3 @ 1' (H201567-06)

Chloride, SM4500CI-B	kg Analyzed By: AP								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/12/2012	ND ·	416	104	400	3.77	

#### Sample ID: SP 4 @ SURFACE (H201567-07)

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	07/12/2012	ND	416	104	400	3.77	

# Sample ID: SP 4 @ 1' (H201567-08)

Chloride, SM4500CI-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	07/12/2012	ND	416	104	400	3.77	

#### Sample ID: SP 5 @ SURFACE (H201567-09)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	07/12/2012	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Lope S. Moreno-

Hope Moreno, Inorganic Technical Director



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (505) 397-0397

Received:	07/10/2012	Sampling Date:	07/06/2012
Reported:	07/12/2012	Sampling Type:	Soil
Project Name:	MC CALL #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

#### Sample ID: SP 5 @ 1' (H201567-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	07/12/2012	ND	416	104	400	3.77	

# Sample ID: SP 6 @ SURFACE (H201567-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	07/12/2012	ND	416	104	400	3.77	

#### Sample ID: SP 6 @ 1' (H201567-12)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	07/12/2012	ND	416	104	400	3.77	

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Hope S. Moreno

Hope Moreno, Inorganic Technical Director



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

#### \*=Accredited Analyte

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Lope S. Moreno

Hope Moreno, Inorganic Technical Director

Page 5 of 7

# 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.						BILL TO ANALYSIS REQUEST																
Project Manager	Cliff Brunson								. #:								Τ	Τ					
Address: P.O.	Box 805							Cor	npar	ıy:				l									
City: Hobbs	State: NM	Zip	: 8	382	41			Atti	n:														
Phone #: 575-3	397-6388 Fax #: 575	-391	7-0	397	7			Add	dress	s:													
Project #:	Project Owner	. O	ху					City	<b>/</b> :														
Project Name:	AcCall #2							Sta	te:		Zip:												
Project Location								Phe	one #	<i>t</i> :					1								
	Roger Hernandez							Fax	:#:														
FOR LAB USE ONLY		Γ.	Γ		M	ATRI	x		PRES	SERV	SAMPL	NG	Ś										
Lab I.D. H2D1367	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	WASTEWATER	SUL	SLUDGE	OTHER :	ACID/BASE:	ICE / CUUL OTHER :	DATE	TIME	CMOOd										
1	SP1 @ SURFACE	6	١			/				4	7/6/12	10:45 AM	$\checkmark$										
	SP1 @ 1'	6	I.			1				1	7/6/12	11:16 AM	$\checkmark$										
	SP2 @ SURFACE	6				1				1	7/6/12	11:35 AM	1			 	 						
	SP2 @ 1'	6	1		-					1	7/6/12	11:54 AM	· · · · · ·	<u> </u>		 	 						
	SP3 @ SURFACE	6	1	<u> </u>			_			1	7/6/12	12:08 PM		<u> </u>	_	 	 						
	SP3 @ 1'	6	1	<b>[</b>	•	<u>/</u>					7/6/12	12:34 PM				 _	 		]				
	SP4 @ SURFACE	6	Ì			s*			i	4	7/6/12	12:44 PM					 						
		6	1		•	4				4	7/6/12	12:59 PM	<b>↓</b>		$\perp$	 	 						
	SP5 @ SURFACE	6	1.							.~	7/6/12	1:04 PM	✓								**		
10	SP5 @ 1'	6	I.			~					7/6/12	1:24 PM	<ul><li>✓</li></ul>										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by this client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days aftar completion of the applicable

service. In no event shall Caroinal be liable for incidental or consequental damages, including without timutation, business interruptions, loss of use, or loss of profits incurroo by ct ent, its subsidiaries,

aniliates or successors ancing out of or related to the performance	of services hereunder by t	ardinal, regardless of whether such daim is bas	ed upon any of the above stated re	asons or clourwise.			
Relinguished By;	Date: 100	Received By:		Phone Result:	C Yes	🗆 No	Add'l Phone #:
$1 \rightarrow 1/2$	31911			Fax Result:	Yes	🗆 No	Add'l Fax #:
Katter	Time	1.200		REMARKS:			
Relinquished/By:	Date:	Received By:					•
Valles	7-10-12 Time: 950	appelle ster	WOR.				
Delivered By: (Circle One)	7	Sample Condition	CHECKED BY:				
Sampler - UPS - Bus - Other:	r Ø		(Initials)				

 $\dagger$  Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476  $\pm$  24

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (	(505) 393-2476
----------------------	----------------

	BBC International, Inc.				BILL TO							1	NAL	YSIS	RE	QUES	ST		
S	r: Cliff Brunson				P.C	D. #:													
Address: P.O.	Box 805				Co	mpany:													
City: Hobbs	State: NM	Zip	: 8	8241	Att	in:													
Phone #: 575-	397-6388 Fax #: 575	-397	7-03	397	Ad	dress:			}										
Project #:	Project Owner	: 0>	(y		Cit	y:													
Project Name:	McCall #2				Sta	ate:	Zip:												
Project Location	n: Artesia, NM				Ph	one #:													
Sampler Name:	Roger Hernandez				Fa	x #:													
FOR LAB USE ONLY				MATRIX		PRESERV	/SAMP	LING	] ,										i
Lab I.D. 137201567	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER WASTEWATER Solt OIL Si UDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	   : TIME	Chlorade										
	SP6 @ SURFACE	$\odot$	1				7/6/12	1:37 PM	$\checkmark$										
12-	SP6 @ 1'	$ \underline{C} $	١.	V		\√` <sup>1</sup>	7/6/12	2:08 PM	$\checkmark$										 
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anniales or successors ansing but of or related to the perioritative	of services hereunder by Caroinal regardless of whether such caint is based upon any of the above stated in	asons or otherwise.			
Relinquished By:	Date: Received By:	Phone Result:	🗆 Yes	🗆 No	Add'l Phone #:
	10/3	Fax Result:	🗆 Yes	🗆 No	Add'l Fax #:
ST-HEZ	Time:	REMARKS:			
Relinquished By:	Date: Received By:				
JAN 1	Date: Time Received By: Time So Addi Alenson	·			
Delivered By: (Circle One)	/) Sample Condition CHECKED BY:				
Sampler - UPS - Bus - Other:	25 Cool Intact (Initials) 25 DYes Yes (111)				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-246 # 2.6



September 13, 2012

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

RE: MC CALL #2 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/07/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (505) 397-0397

Received:	09/07/2012	Sampling Date:	09/06/2012
Reported:	09/13/2012	Sampling Type:	Soil
Project Name:	MC CALL #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

## Sample ID: SP 5 @ 3' (H202165-01)

Chloride, SM4500CI-B	/kg	Analyze	d By: HM						
Analyte	Result	Result Reporting Limit Analyzed		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/12/2012	ND	416	104	400	0.00	

# Sample ID: SP 5 @ 6' (H202165-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	09/12/2012	ND	416	104	400	0.00	

#### Sample ID: SP 5 @ 9' (H202165-03)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/12/2012	ND	416	104	400	0.00	

## Sample ID: SP 5 @ 12' (H202165-04)

Chloride, SM4500CI-B	/kg	Analyze	d By: HM						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	09/12/2012	ND	416	104	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (505) 397-0397

Received:	09/07/2012	Sampling Date:	09/06/2012
Reported:	09/13/2012	Sampling Type:	Soil
Project Name:	MC CALL #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

## Sample ID: SP 6 @ 3' (H202165-05)

Chloride, SM4500CI-B	/kg	Analyze	d By: HM						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	09/12/2012	ND	ND 416		400	0.00	

# Sample ID: SP 6 @ 6' (H202165-06)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result Reporting Limit Analyzed Method Blank		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	09/12/2012	ND	416	104	400	0.00	

#### Sample ID: SP 6 @ 9' (H202165-07)

Chloride, SM4500Cl-B	/kg	Analyze	d By: HM						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/12/2012 ND		416	104	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below $6^{\circ}$ C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Page 4 of 5

# **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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Page 5 of 5

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2	(505) 393-2326 FAX (505) 393-2476														ANALYSIS REQUEST								
Company Name: BBC Int		· · ·							BI	ll ro		1455	•			ANA	LYSI	S RI	QUE	ST		. ,	. : .
Project Manager: Cliff Bru	inson					Ī	P.O.	#:				a. 1	· .		1	1. 1. 1.		1	. e .				11
Address: P.O. Box 805			_				Company:													0			
City: Hobbs	State: NM	Zip:	882	41		,	Attn:	-														,	
Phone #: 575-397-6388	Fax #: 57						Addr	ess	:	SAM	ť	1			1								
Project #:	Project Own	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Xi				City:						:						. *				-
	1#2 BITY		6	)			State	: ::		Zip:		1											
	P,NM					-	hon	e #:	:			111		<u> </u>		1.		ŀ		1.			
Sampler Name: 1/644	Kinsmelez						ax #	•:	· ·	:	· "	S	ļ			1					1		
FOR LAB USE ONLY		T.T		N	IATRI	<u>х.</u>	PF	RESE	ERV.	SAMPL	NG	1								<b>.</b>			{
Lab I.D. Sa	ample I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	1111											
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1358 2 P	1 7.7.1	1 Vint / Star	Fax Result:	C Yes	🗆 No	Add'l Fax #:
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Delivered By: (Circle One)		Sample Condition CHECKED BY:				
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Sampler - UPS - Bus - Other:	c.		1			
and the set of the set	• •	No No Viela				

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

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April 11, 2013

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

RE: MC CALL #2 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/10/13 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	04/10/2013	Sampling Date:	04/10/2013
Reported:	04/11/2013	Sampling Type:	Soil
Project Name:	MC CALL #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

# Sample ID: 4 PT. COMP (H300855-01)

Result								
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	04/11/2013	ND	1.99	99.3	2.00	4.07	
<0.050	0.050	04/11/2013	ND	2.29	115	2.00	4.40	
<0.050	0.050	04/11/2013	ND	2.52	126	2.00	4.27	
<0.150	0.150	04/11/2013	ND	7.34	122	6.00	4.96	
<0.300	0.300	04/11/2013	ND					
	<0.050 <0.050 <0.150	<0.050 0.050 <0.050 0.050 <0.150 0.150	<0.050 0.050 04/11/2013 <0.050 0.050 04/11/2013 <0.150 0.150 04/11/2013	<0.050         0.050         04/11/2013         ND           <0.050	<0.050         0.050         04/11/2013         ND         2.29           <0.050	<0.050         0.050         04/11/2013         ND         2.29         115           <0.050	<0.050         0.050         04/11/2013         ND         2.29         115         2.00           <0.050	<0.050         0.050         04/11/2013         ND         2.29         115         2.00         4.40           <0.050

Surrogate: 4-Bromofluorobenzene (PIE 101 % 89.4-126

102 %

63.6-154

TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Anałyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2013	ND	222	111	200	5.04	
DRO >C10-C28	<10.0	10.0	04/11/2013	ND	218	109	200	5.96	

#### **Cardinal Laboratories**

Surrogate: 1-Chlorooctadecane

#### \*=Accredited Analyte

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Celey D. Kerne

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	04/10/2013	Sampling Date:	04/10/2013
Reported:	04/11/2013	Sampling Type:	Soil
Project Name:	MC CALL #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	ARTESIA, NEW MEXICO		

#### Sample ID: BOTTOM SAMPLE @ 3' (H300855-02)

BTEX 8021B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2013	ND	1.99	99.3	2.00	4.07	
Toluene*	<0.050	0.050	04/11/2013	ND	2.29	115	2.00	4.40	
Ethylbenzene*	<0.050	0.050	04/11/2013	ND	2.52	126	2.00	4.27	
Total Xylenes*	<0.150	0.150	04/11/2013	ND	7.34	122	6.00	4.96	
Total BTEX	<0.300	0.300	04/11/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 89.4-12	6						
ТРН 8015М	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	04/11/2013	ND	222	111	200	5.04	
DRO >C10-C28	<10.0	10.0	04/11/2013	ND	218	109	200	5.96	
Surrogate: 1-Chlorooctane	84.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Celey D. Kerne

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

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# **Kathy Purvis**

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Thursday, January 10, 2013 1:05 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: Oxy McCall #2 Battery

Reference: OXY USA \* McCall 2 Battery \* 30-015-29447 \* M-24-18s-26e \* Eddy County, New Mexico NMOCD Tracking Number: 2RP-882 \* Date of release: 7/1/11

Cliff,

Your proposal for remediation of the above referenced release is approved. Please contact me to discuss the results of confirmation samples prior to backfill, otherwise, proceed on your schedule.

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.

If you have any questions or concerns, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, December 17, 2012 7:19 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Oxy McCall #2 Battery

Mike,

This e-mail is to confirm our discussion on December 17, 2012 concerning the remediation plan for the release that occurred at the Oxy McCall #2 Battery. I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. As agreed, Oxy will surface scrape in the areas covered by SP1, SP2, SP3, and SP4 and will excavate to 3 feet in depth in the areas covered by SP5 and SP6 as depicted on the attached site diagram. A composite confirmation sample will be taken from the surface scraped area and bottom confirmation sample will be taken from the 3 foot excavated area. These samples will be analyzed for TPH and BTEX. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 50 feet.

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

Oxy and I thank you for your assistance in handling this matter.

# Thanks, Cliff

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