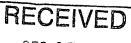
## **Closure Report**



SEP **27** 2013

NMOCD ARTESIA

	Site Description
Site Name:	Federal 12-1 South Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L M, Section 12, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	Unknown

	Release Data
Date of Release:	11/02/2011
Type of Release:	Oil and produced water
Source of Release:	Pump failure
Volume of Release:	3 bbls of oil and 100 bbls of produced water
Volume Recovered:	80 bbls

	Remediatic	n Specifications			
Remediation	Excavate the spill areas around SP1 & SP3 to a depth of 3',				
Parameters:	SP2 to a depth of 6 feet, SP4 to a depth of 3 feet, and SP5 to a				
	depth of 1 foot of	or as practicable in each area. Obtain			
	confirmation sampling at bottoms and sidewalls. Backfill the				
	excavated areas	s with clean soil.			
Remediation Activities:	08/22/13 to 09/1	7/2013			
Plan Sent to OCD:	09/11/2012	Email from Cliff Brunson to Mike Bratcher			
OCD Approval of Plan:	11/15/2012 Email from Mike Bratcher to Cliff Brunson				
Plan Sent to BLM:	12/16/2012	Email from Cliff Brunson to James Amos			

12/17/2012

	Supporting Documentation
Initial C-141	Signed 12/18/2012
Final C-141	Signed 09/26/2013
Site Diagram	January 2012
Groundwater Plot	100'
TOPO Maps	September 2013
Lab Summary	11/08/2011, 01/06/2012, and 09/03/2013
Lab Analysis	11/08/2011, 01/06/2012, 09/03/2013
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.

BLM Approval of Plan:

09/26/2013

Email from James Amos to Cliff Brunson

## State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rel	ease Notific	cation	and Co	orrective A	ction	l				
						<b>OPERA</b>	TOR		🛛 Initia	al Report		Final	Report
Name of Co		Oxy Permia				Contact CJ Summers							
		tanolind Rd,				Telephone No. (575) 397-8216							
Facility Na	me Feder	al 12-1 Sout	th Battery	<u>y</u>	[]	Facility Typ	e Gathering		<u> </u>			<u> </u>	
Surface Ow	ner BLN	М		Mineral C	Dwner				Lease N	No. 30-015	-2674	2	
				LOCA	TION	NOF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County			
м	12	225	31E							Eddy			
L	·		J	Latitude		Longiti	ude	L.,					
						OF REL		_					
Type of Rele	ase Oil a	nd produced v	water				Release 3 bbls	ofoil	Volume I	Recovered	80 bt	ols	<u>,</u>
							ols of produced wa						
Source of Re	lease Pun	ip failure				Date and H 11/02/2011	Iour of Occurrence	æ	Date and	Hour of Dis	covery	1	
Was Immedi	ate Notice C					If YES, To	Whom?						
		$\boxtimes$	Yes [	No 🗌 Not Re	equired	Mike Brate	cher-OCD; James	Amos-l	BLM	•			
By Whom? Dusty Wilson					Iour 11/03/201								
Was a Water	course Read		Yes 🛛	7 No		If YES, Volume Impacting the Watercourse.					_		
						RECEIVED					<u> </u>		
If a Watercon	irse was Im	pacted, Descr	ibe Fully.	*					1				1
										SEP 27	2013	}	
									NIAA		DTC	010	
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*					9 E 41 (1994)				
Pump failure	caused 3 h	ble of oil and	100 bble	of produced water	to leak	onto the grou	nd A vacuum to	ick reco	verad the r	emaining fl	uide 9	0 bbla te	otol
The pump w			100 0015 0	51 produced water	IU ICAK	Sino me giou			verea me i	emanning n	1105, 0	0 0015 (0	Juan.
Describe Are	- A 66 d	and Cleanue	<u></u>			· · · · · · · · · · · · · · · · · · ·							
Describe Are	a Allected	and Cleanup A	ACUON 121	ken.~	,								
			0 <b>' x 50'</b>	A vacuum truck re	covered	80 bbls and	further remediation	on will b	e conducte	d in accord	ance w	ith OCE	) and
BLM approv	ed remediat	ion plans.											
I hereby certi	fy that the i	nformation gi	iven above	e is true and comp	lete to th	e best of my	knowledge and u	ndersta	nd that purs	suant to NM	OCD 1	rules and	d
regulations a	ll operators	are required t	o report a	nd/or file certain received of a C-141 repo	elease no	NMOCD m	nd perform correct arked as "Final P	tive acti	ions for reli	eases which	may e	ndanger	ſ ++7
should their o	operations h	ave failed to a	adequately	investigate and re	emediate	contaminati	on that pose a thr	eat to gr	ound water	, surface wa	ater, hu	uman he	alth
				ptance of a C-141	report do	oes not reliev	e the operator of a	responsi	bility for c	ompliance v	vith an	y other	
iederal, state	of local lav	ws and/or regi	hanons.				OIL CON	SERV	ATION	DIVISIO			
	<b>C</b> -		2	$\mathbf{i}$				<u>JLIC V</u>	ATION	DIVISIC	<u>// (</u>		
Signature:				<u>ソ</u>									
Printed Name	e: Chance	y Summers			1	Approved by	District Supervise	or:					
Title: HES	Specialist					Approval Dat	e:		Expiration	Date:			
E-mail Addre		cey.Summers	@oxy.con	<u>n</u>		Conditions of	Approval:			Attached			
Date: $12 \cdot 18 - 12$ Phone: (575) 397-8216													

\* Attach Additional Sheets If Necessary

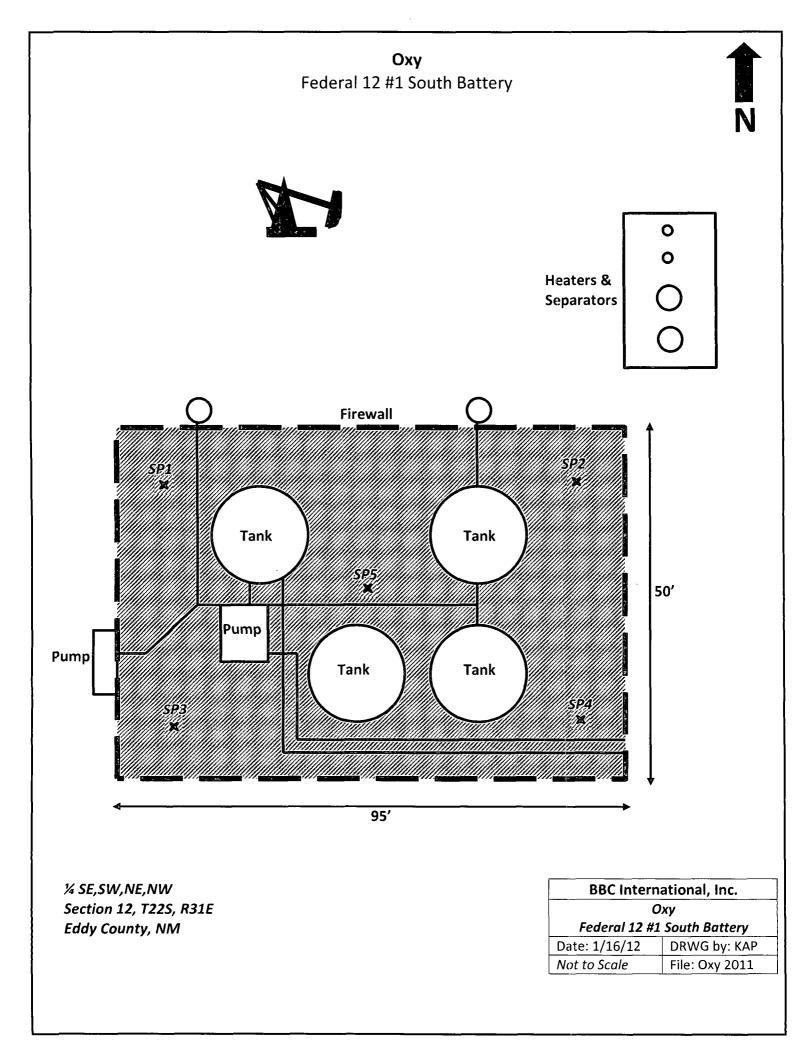
Form C-141 Revised October 10, 2003

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

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

Release Noti		n and Co		ction	<u> </u>			
		<b>OPERA</b>	ГOR		🗌 Initi	al Report	$\boxtimes$	Final Report
Name of Company Oxy Permian Ltd.		Contact CJ Summers						
Address 1017 W. Stanolind Rd, Hobbs, NM		Telephone 1		7-8216				
Facility Name Federal 12-1 South Battery		Facility Typ	e Gathering					
Surface Owner BLM Minera	l Owner		· · ·		Lease N	No. 30-015	-26742	2
LO	CATIO	N OF REI	LEASE					
Unit Letter Section Township Range Feet from the		South Line	Feet from the	East/W	est Line	County	_	
M 12 22S 31E						Eddy		
Latitude	-	Longitu	ıde					
		OF REL						
Type of Release Oil and produced water	AIUKE	Volume of		s of oil	Volume I	Recovered	80 bb	s
			ls of produced w					
Source of Release Pump failure		Date and H 11/02/2011	lour of Occurrent	ce	Date and	Hour of Dis	scovery	
Was Immediate Notice Given?		If YES, To	Whom?			· ·		
Yes 🗋 No 🗋 Not	t Required	Mike Brate	cher-OCD; James	s Amos-B	LM			
By Whom? Dusty Wilson			lour 11/03/201					
Was a Watercourse Reached?		If YES, Volume Impacting the Watercourse.						
If a Watercourse was Impacted, Describe Fully.*						REC	FIV	FD
Describe Cause of Problem and Remedial Action Taken.*						SEP :		
Pump failure caused 3 bbls of oil and 100 bbls of produced wa The pump was repaired.	ter to leak	onto the grou	nd. A vacuum tre	uck recov	vered the r	emaining fl	uids, 80	bbls total.
Describe Area Affected and Cleanup Action Taken.*								
The area affected is approximately 100' x 50'. A vacuum truck approved by Mike Bratcher of NMOCD via email on 11/15/201	c recovered 12 and app	l 80 bbls. Rei roved by Jam	nediation was co cs Amos of the B	mpleted i LM via e	in accorda mail on 1	nce with the 2/17/12.	e remed	iation plan
I hereby certify that the information given above is true and cor regulations all operators are required to report and/or file certain public health or the environment. The acceptance of a C-141 re should their operations have failed to adequately investigate and or the environment. In addition, NMOCD acceptance of a C-14 federal, state, or local laws and/or regulations.	n release n eport by the d remediate	otifications ar e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a thr	tive action teport" do reat to gro	ons for relies not relieved water	eases which ieve the ope t, surface wa	may er rator of iter, hu	idanger Tiability man health
			OIL CON	SERVA	ATION	DIVISIO	<u>DN</u>	
Signature:								
Printed Name: Chancey Summers		Approved by	District Supervis	or:				-
Title: HES Specialist		Approval Dat	e:	E	xpiration	Date:		
E-mail Address: Chancey.Summers@oxy.com		Conditions of	Approval:			Attached		
Date: // // // Phone: (575) 397-8 Attach Additional Sheets If Necessary	8216					<u> </u>		

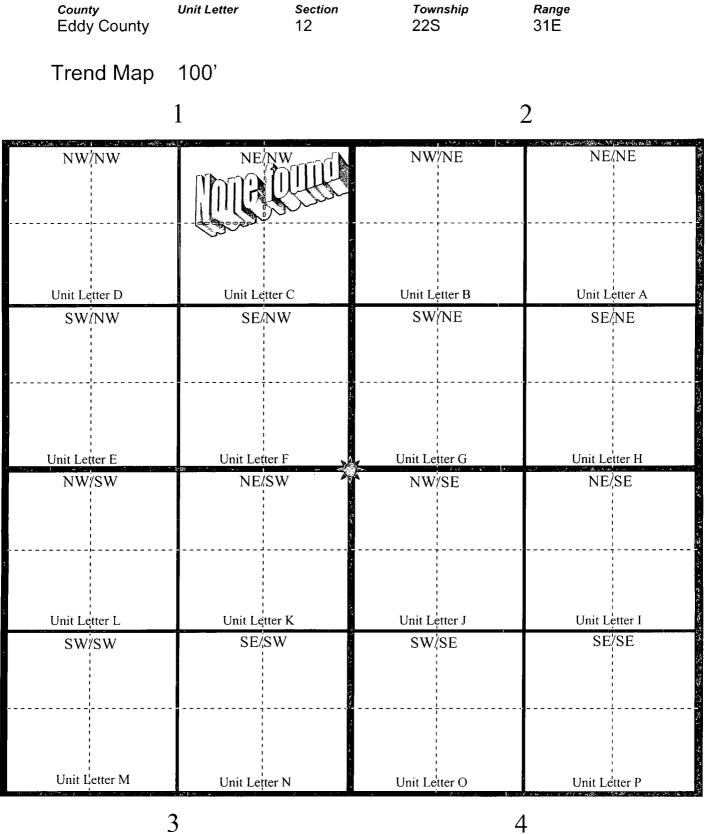
al Sheets II Necessary tach 1110





Section Quarters

## Oxy Federal 12 #1 South Battery



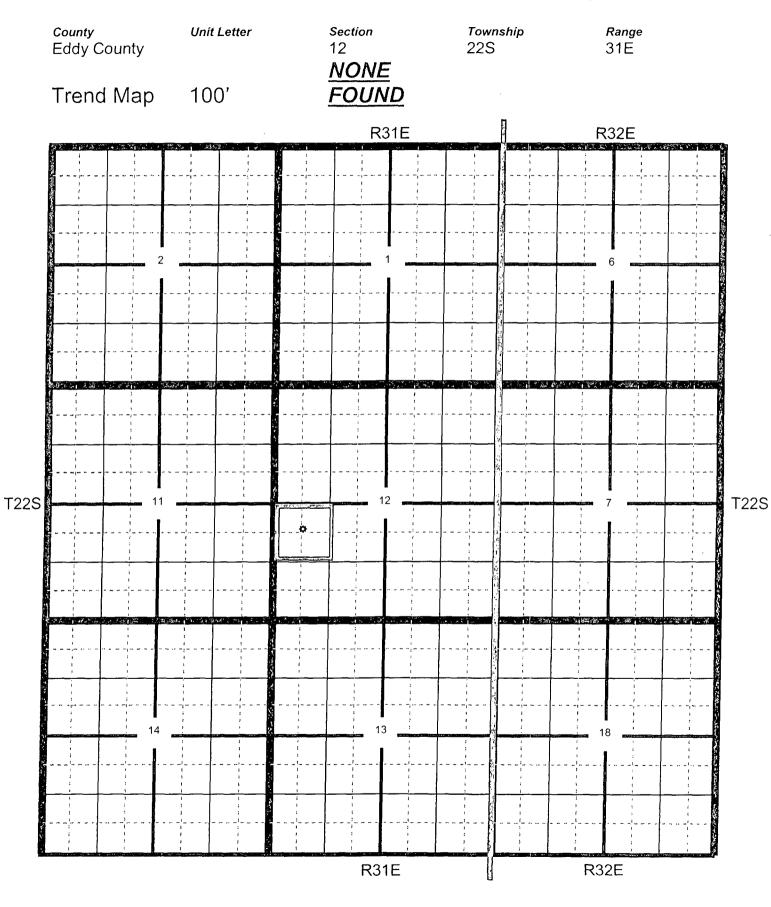
3

✤ Location

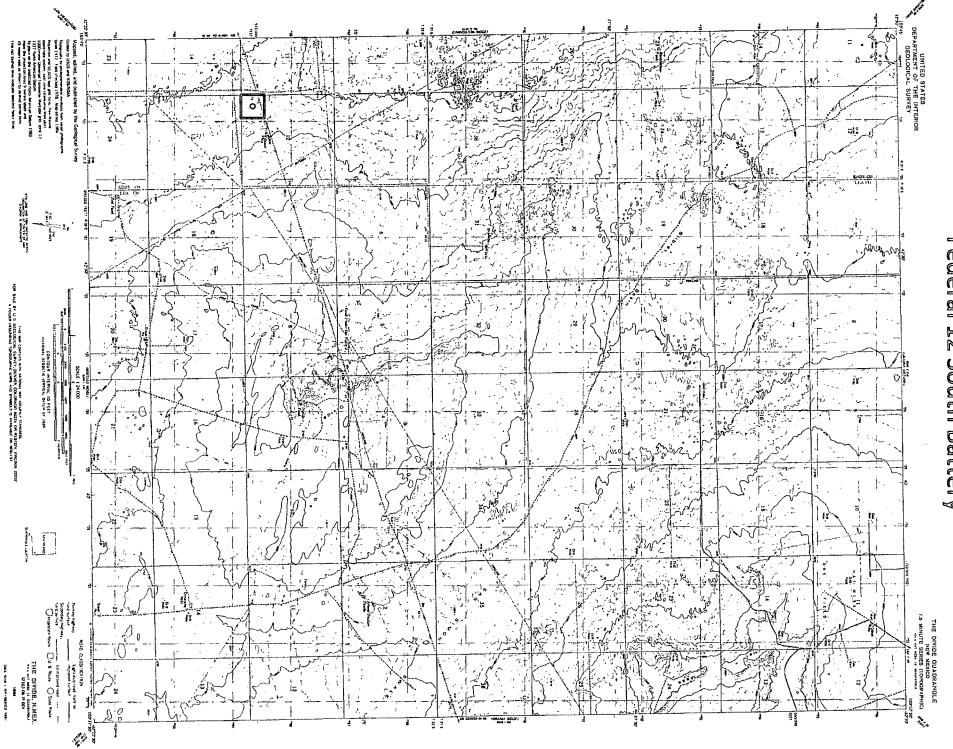


**Groundwater Plot** 

Oxy Federal 12 #1 South Battery



**¢** Location

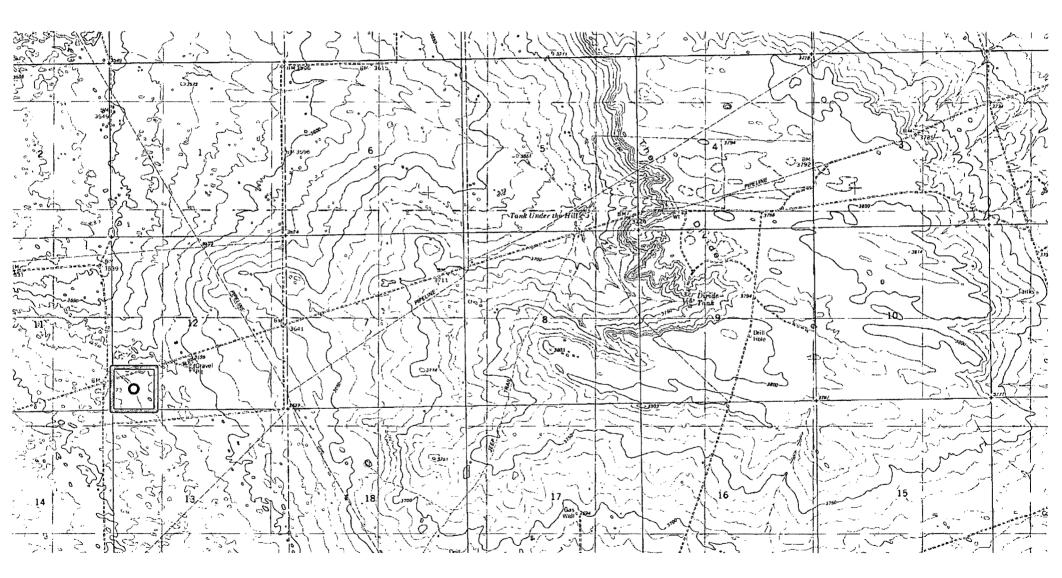


Federal 12 South Battery

Oxy

Oxy

# Federal 12 South Battery



#### Laboratory Analytical Results Summary OXY, Federal 12 #1 South Battery

	Sample	SP1	SP2	SP3	SP4	SP5
Method	Date	11/8/11	11/8/11	11/8/11	11/8/11	11/8/11
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
BTEX 8021B		<1.00	<0.050	5.5	<0.050	<0.050
BTEX 8021B		6.67	<0.050	37.3	0.333	0.161
BTEX 8021B		9.46	<0.050	26.9	0.203	<0.050
BTEX 8021B		24.7	<0.150	67.6	0.686	<0.150
SM4500CI-B		6960	48000	15200	26400	18400
TPH 8015M		2160	<10.0	6390	105	<10.0
TPH 8015M		28400	22.2	30500	7460	98.5
	Sample	SP1@1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 10
1		÷			-	- ·
Method	Date					1/5/12
						mg/Kg
						N/A
						N/A
						N/A
BTEX 8021B		<0.150	<0.150			N/A
		11600	1150		128	144
TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A
TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A
	Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 10"
Method	Date	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12
method	Date					mg/Kg
BTEX 8021B						N/A
						N/A
						N/A
						N/A
						64
						N/A
						N/A
		03.2	<10.0	<10.0	N/A	
						·
	Sample	SP3@1'	SP3 @ 3'	SP3 @ 5'	SP3@7'	SP3 @ 10
Method	Sample Date	SP3@1' 1/6/12	SP3 @ 3'	SP3 @ 5' 1/6/12	SP3 @ 7' 1/6/12	SP3 @ 10 1/6/12
Method	· ·	-				-
Method BTEX 8021B	· ·	1/6/12	1/6/12	1/6/12	1/6/12	1/6/12
	· ·	1/6/12 mg/Kg	1/6/12 mg/Kg	1/6/12 mg/Kg	1/6/12 mg/Kg	1/6/12 mg/Kg
BTEX 8021B	· ·	1/6/12 mg/Kg <0.050	1/6/12 mg/Kg <0.050	1/6/12 mg/Kg <0.050	1/6/12 mg/Kg N/A	1/6/12 mg/Kg N/A
BTEX 8021B BTEX 8021B	· ·	1/6/12 mg/Kg <0.050 <0.050	1/8/12 mg/Kg <0.050 <0.050	1/6/12 mg/Kg <0.050 0.051	1/8/12 mg/Kg N/A N/A	1/6/12 mg/Kg N/A N/A
BTEX 8021B BTEX 8021B BTEX 8021B	· ·	1/6/12 mg/Kg <0.050 <0.050 <0.050	1/6/12 mg/Kg <0.050 <0.050 <0.050	1/8/12 mg/Kg <0.050 0.051 <0.050	1/8/12 mg/Kg N/A N/A N/A	1/6/12 mg/Kg N/A N/A N/A
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	· ·	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150	1/8/12 mg/Kg <0.050 0.051 <0.050 <0.150	1/6/12 mg/Kg N/A N/A N/A N/A	1/6/12 mg/Kg N/A N/A N/A N/A
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B	· ·	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3520	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3800	1/8/12 mg/Kg <0.050 0.051 <0.050 <0.150 112	1/6/12 mg/Kg N/A N/A N/A N/A N/A 96	1/6/12 mg/Kg N/A N/A N/A N/A N/A 64
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M	Date	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3520 <10.0 <10.0	1/8/12 mg/Kg <0.050 <0.050 <0.150 3800 <10.0 <10.0	1/0/12 mg/Kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0	1/8/12 mg/Kg N/A N/A N/A N/A 96 N/A N/A	1/6/12 mg/Kg N/A N/A N/A 64 N/A N/A
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M	Date Date	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3520 <10.0 <10.0 SP4 @ 1'	1/8/12           mg/Kg           <0.050	1/8/12           mg/Kg           <0.050	1/8/12 mg/Kg N/A N/A N/A 96 N/A N/A SP5 @ 2'	1/6/12 mg/Kg N/A N/A N/A 64 N/A N/A SP5@4'
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M	Date	1/6/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3520 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12	1/8/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3800 <10.0 <10.0 <10.0 SP4 @ 2' 1/9/12	1/8/12 mg/Kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0 <10.0 SP5 @ 1' 1/9/12	1/8/12 mg/Kg N/A N/A N/A 96 N/A N/A SP5 @ 2' 1/9/12	1/6/12 mg/Kg N/A N/A N/A N/A 64 N/A N/A SP5@4'
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M TPH 8015M	Date Date	1/8/12 mg/Kg <0.050 <0.050 <0.150 <10.0 <10.0 <10.0 <10.0 <10.0 SP4 @ 1¹ 1/9/12 mg/Kg	InB/12           mg/Kg           <0.050	1/8/12 mg/Kg <0.050 0.051 <0.050 <0.150 <112 <10.0 <10.0 <10.0 SP5@1' 1/6/12 mg/Kg	1/8/12 mg/Kg N/A N/A N/A N/A N/A N/A SP5 @ 2' 1/9/12 mg/Kg	1/6/12 mg/Kg N/A N/A N/A N/A N/A N/A SP5 @ 4' 1/9/12 mg/Kg
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M TPH 8015M BTEX 8021B	Date Date	1/8/12 mg/Kg <0.050 <0.050 <0.150 <10.0 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12 mg/Kg <0.050	ItB/12           mg/Kg           <0.050	1/8/12 mg//g <0.050 0.051 <0.050 (0.150 <112 <10.0 <10.0 <10.0 SP5 @ 1' 1/9/12 mg//g <0.050	1/6/12 mg/Kg N/A N/A N/A N/A 96 N/A N/A SP5 @ 2' 1/6/12 mg/Kg <0.050	1/6/12 mg/Kg N/A N/A N/A N/A N/A N/A SP5@4' 1/9/12 mg/Kg <0.050
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M TPH 8015M BTEX 8021B BTEX 8021B	Date Date	1/8/12 mg/Kg <0.050 <0.050 <0.150 3520 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12 mg/Kg <0.050 <0.050	1/8/12 mg/Kg <0.050 <0.050 <0.150 3800 <10.0 <10.0 <10.0 SP4 @ 2' 1/9/12 mg/Kg <0.050 0.067	1/0/12 mg/kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0 SP5@1' 1/9/12 mg/kg <0.050 0.275	1/6/12 mg/Kg N/A N/A N/A N/A N/A SP5 @ 2' 1/0/12 mg/Kg <0.050 <0.050	1/6/12 mg/Kg N/A N/A N/A N/A N/A SP5@4' 1/9/12 mg/Kg <0.050 <0.050
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M Method BTEX 8021B BTEX 8021B BTEX 8021B	Date Date	1/6/12 mg/Kg <0.050 <0.050 <0.150 3520 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12 mg/Kg <0.050 <0.050 <0.050	16/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3800 <10.0 <10.0 <10.0 SP4 @ 2' 16/12 mg/Kg <0.050 0.067 1.22	1/0/12 mg/Kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0 SP5 @ 1' 1/9/12 mg/Kg <0.050 0.275 1.11	1/8/12 mg/Kg N/A N/A N/A 96 N/A N/A SP5 @ 2' 1/8/12 mg/Kg <0.050 <0.050	1/8/12 mg/Kg N/A N/A N/A N/A N/A SP5 @ 4' 1/8/12 mg/Kg <0.050 <0.050 <0.050
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	Date Date	1/8/12 mg/Kg <0.050 <0.050 <0.150 3520 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12 mg/Kg <0.050 <0.050 <0.050 <0.150	168/12 mg/Kg <0.050 <0.050 <0.050 <0.150 <10.0 <10.0 <10.0 <10.0 <10.0 SP4 @ 2' 1/9/12 mg/Kg <0.050 0.0667 1.22 1.65	1/0/12 mg/Kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0 <10.0 <10.0 SP5 @ 1' 1/9/12 mg/Kg <0.050 0.275 1.11 2.08	1/8/12 mg/Kg N/A N/A N/A 96 N/A N/A SP5 @ 2' 1/9/12 mg/Kg <0.050 <0.050 <0.050	1/6/12 mg/Kg N/A N/A N/A N/A N/A N/A SP5 @ 4' 1/9/12 mg/Kg <0.050 <0.050 <0.050 <0.050 <0.050
BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M Method BTEX 8021B BTEX 8021B BTEX 8021B	Date Date	1/6/12 mg/Kg <0.050 <0.050 <0.150 3520 <10.0 <10.0 <10.0 SP4 @ 1' 1/9/12 mg/Kg <0.050 <0.050 <0.050	16/12 mg/Kg <0.050 <0.050 <0.050 <0.150 3800 <10.0 <10.0 <10.0 <10.0 SP4 @ 2' 16/12 mg/Kg c0.050 0.067 1.22	1/0/12 mg/Kg <0.050 0.051 <0.050 <0.150 112 <10.0 <10.0 SP5@1' 1/9/12 mg/Kg <0.050 0.275 1.11	1/8/12 mg/Kg N/A N/A N/A 96 N/A N/A SP5 @ 2' 1/8/12 mg/Kg <0.050 <0.050	mg/Kg N/A N/A N/A N/A N/A SP5 @ 4' 19/12 mg/Kg <0.050 <0.050 <0.050
	BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	Method         Date           BTEX 8021B         BTEX 8021B           BTEX 8021B         BTEX 8021B           BTEX 8021B         BTEX 8021B           BTEX 8021B         Sample           TPH 8015M         Date           rent         Sample           BTEX 8021B         BTEX 8021B           BTEX 8021B         BTEX 8021B           BTEX 8021B         BTEX 8021B           BTEX 8021B         Sample           Method         Date           BTEX 8021B         BTEX 8021B           BTEX 8021B         Sample           Method         Date           BTEX 8021B         Sample           BTEX 8021B         SM4500CI-B           TPH 8015M         TPH 8015M	Method         Date         110911           mg/Kg         mg/Kg           BTEX 8021B         <1.00	Method         Date         11/8/11         11/8/11           mg/Kg         mg/Kg         mg/Kg           BTEX 8021B         <1.00	Method         Date         11/8/11         11/8/11           mg/Kg         mg/Kg         mg/Kg         mg/Kg           BTEX 8021B         <1.00	Method         Date         11/8/11         11/8/11         11/8/11           mg/Kg         mg/Kg         mg/Kg         mg/Kg         mg/Kg           BTEX 8021B         <1.00

## Laboratory Analytical Results Summary Federal 12 South Battery

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		Sample	Sidewall 1 North
Analyte	Method	Date	9/3/13
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	Sidewall 4 East
Analyte	Method	Date	9/3/13
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Т

		Sample	Sidewall 2 South
Analyte	Method	Date	9/3/13
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	Sidewall 3 West
Analyte	Method	Date	9/3/13
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	Bottom
Analyte	Method	Date	9/3/13
			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
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



November 21, 2011

:

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

RE: FEDERAL 12 #1 SOUTH BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/17/11 10:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:	11/17/2011	Sampling Date:	11/08/2011
Reported:	11/21/2011	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 1 (H102502-01)

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BTEX 8021B	mg	/kg	Analyze	Analyzed By: MS		······································		S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/17/2011	ND	2.01	101	2.00	1.13	
Toluene*	6.67	1.00	11/17/2011	ND	1.89	94.4	2.00	1.62	
Ethylbenzene*	9.46	1.00	11/17/2011	ND	2.11	106	2.00	1.44	
Total Xylenes*	24.7	3.00	11/17/2011	ND	6.06	101	6.00	1.70	
		<u></u>							

Surrogate: 4-Bromofluorobenzene (PIL 167 % 64.4-134

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	11/18/2011	ND	464	116	400	7.14	
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	2160	100	11/19/2011	ND	181	90.3	200	0.894	
DRO >C10-C28	28400	100	11/19/2011	ND	147	73.3	200	1.36	
Surrogate: 1-Chlorooctane	202 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	361 9	57.6-15	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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 client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	11/17/2011	Sampling Date:	11/08/2011
Reported:	11/21/2011	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 2 (H102502-02)

:

BTEX 8021B	mg/	kg	Analyze	d By: MS			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2011	ND	2.01	101	2.00	1.13	
Toluene*	<0.050	0.050	11/17/2011	ND	1.89	94.4	2.00	1.62	
Ethylbenzene*	<0.050	0.050	11/17/2011	ND	2.11	106	2.00	1.44	
Total Xylenes*	<0.150	0.150	11/17/2011	ND	6.06	101	6.00	1.70	
Surrogate: 4-Bromofluorobenzene (PIL	107	% 64.4-13	4						
Chloride, SM4500C1-B	mg,	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48000	16.0	11/18/2011	ND	464	116	400	7.14	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
GRO C6-C10	<10.0	10.0	11/19/2011	ND	181	90.3	200	0.894	
DRO >C10-C28	22.2	10.0	11/19/2011	ND	147	73.3	200	1.36	
Surrogate: 1-Chlorooctane	80.1	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	102	% 57.6-15	8						

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#### \*=Accredited Analyte

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Celey D. Kune

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:	11/17/2011	Sampling Date:	11/08/2011
Reported:	11/21/2011	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

### Sample ID: SP 3 (H102502-03)

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BTEX 8021B	mg,	/kg	Analyze	d By: MS		,			S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.50	1.00	11/17/2011	ND	2.01	101	2.00	1,13	
Toluene*	37.3	1.00	11/17/2011	ND	1.89	94.4	2.00	1.62	
Ethylbenzene*	26.9	1.00	11/17/2011	ND	2.11	106	2.00	1.44	
Total Xylenes*	67.6	3.00	11/17/2011	ND	6.06	101	6.00	1.70	
Surrogate: 4-Bromofluorobenzene (PIL	173	% 64.4-13	4	- · · · · · · · · · · · · · · · · · · ·					
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	11/18/2011	ND	464	116	400	7.14	
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	6390	100	11/19/2011	ND	181	90.3	200	0.894	
DRO >C10-C28	30500	100	11/19/2011	ND	147	73.3	200	1.36	
Surrogate: 1-Chlorooctane	257	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	513	% 57.6-15	8						

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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:	11/17/2011	Sampling Date:	11/08/2011
Reported:	11/21/2011	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 4 (H102502-04)

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BTEX 8021B	mg,	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2011	ND	2.01	101	2.00	1,13	
Toluene*	0.333	0.050	11/17/2011	ND	1.89	94.4	2.00	1.62	
Ethylbenzene*	0.203	0.050	11/17/2011	ND	2.11	106	2.00	1.44	
Total Xylenes*	0.686	0.150	11/17/2011	ND	6.06	101	6.00	1.70	

133 % 64.4-134 Surrogate: 4-Bromofluorobenzene (PIL

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26400	16.0	11/18/2011	ND	464	116	400	7.14	
трн 8015м		/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	105	100	11/19/2011	ND	181	90.3	200	0.894	
DRO >C10-C28	7460	100	11/19/2011	ND	147	73.3	200	1.36	
Surrogate: 1-Chlorooctane	70.2	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	156 \$	57.6-15	8						

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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:	11/17/2011	Sampling Date:	11/08/2011
Reported:	11/21/2011	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 5 (H102502-05)

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	11/17/2011	ND	2.01	101	2.00	1.13	
Toluene*	0.161	0.050	11/17/2011	ND	1.89	94.4	2.00	1.62	
Ethylbenzene*	<0.050	0.050	11/17/2011	ND	2.11	106	2.00	1.44	
Total Xylenes*	<0.150	0.150	11/17/2011	ND	6.06	101	6.00	1.70	
Surrogate: 4-Bromofluorobenzene (PIL	108	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	11/18/2011	ND	464	116	400	7.14	
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	11/19/2011	ND	181	90.3	200	0.894	
DRO >C10-C28	98.5	10.0	11/19/2011	ND	147	73.3	200	1.36	

Surrogate: 1-Chlorooctadecane

88.4 %

115 %

55.5-154

57.6-158

Surrogate: 1-Chlorooctane

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
A-01	Surrogate failed high due to objective matrix interference.
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. Keine

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BBC International, Inc.				Ĭ,	BI	14 70	•			/	ANAL	YSIS	RE	QUES	ST		
	Cliff Brunson					D. #:												
Address: P.O.	Box 805				Co	mpany:												
City: Hobbs	State: NM	Zip	: 8	8241	Att	tn: <	$\Delta - a = -a$											
Phone #: 575-3	397-6388 Fax #: 575	-39	7-03	397	Ad	dress:	DAME_	and the second										
Project #:	Project Owner	r:			Cit	y:	,	1										
Project Name:	FEDERAL 12 #1 5		-14	Bilt	Sta	ate:	Zip:	$ ! \cap$								1		
Project Location	n: C29	- ·			Ph	one #:	······································	$\sim$	- 3									
Sampler Name:	TEFF ORVELAS				Fa	x #:		$\otimes$	- Contraction									
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPLING	<u> </u>	11									
Lab I.D. HIDスらのス	Sample I.D.	(G)RAB OR (C)OME	# CONTAINERS	GROUNDWATER WASTEWATER SoliL O!L Si.UDGE	OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE TIME	HJL	1. 81	-72								
ĩ	50 1	G	11	· 1/2		V.	118.11.230	1	5	<i>::</i>								 
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PLEASE NOTE: Labity and Damages. Cardinar's tablicity and client's exclusive remedy for any cam ansing whether based in contract or tort, shall be limited to the emport paid by the client for the analyses. All claims including these for negigence and any other cause whatsoever shall be deamed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Caronal be liable for incidental or consequentel damages, including without am tation, pusitiess interruptions, loss or use, or loss or ors is incurred by creat a subsidiaries. ance of services hereunder by Caromatineosidiess of whether such clem is bas an and of as minted to the part he non any of the share mater testers or others is a

Relinquished By:	Date: Received By:	Phone Result: 🗆 Yes 🗆 No 🗄 Add'l Phone #:
	11.17.11	Fax Result: Li Yes 🗆 No Add'i Fax #:
VACO/	Time: 000	REMARKS:
Relinquished By:	Date: Received By:	
4 Add	Times no wrdi Devoe	M.
	1 10. W Land	
Delivered By: (Circle One)		CKED BY:
Sampler - UPS - Bus - Other:	Cool Intact PYes BYes No No	rittals)

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



January 17, 2012

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

RE: FEDERAL 12 #1 SOUTH BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/11/12 9:35.

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



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## Analytical Results For:

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

Received:	01/11/2012	Sampling Date:	01/05/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 1 @ 1' (H200053-01)

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	111	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	01/12/2012	ND	432	108	400	7.14	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: I-Chlorooctane	118	55.5-15	4						
Surrogate: 1-Chlorooctadecane	133	57.6-15	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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## Analytical Results For:

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

Received:	01/11/2012	Sampling Date:	01/05/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 1 @ 3' (H200053-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP		<b></b>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2,11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	108	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	01/12/2012	ND	432	108	400	7.14	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	104	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	116	% 57.6-15	8						

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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## Analytical Results For:

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

Received:	01/11/2012	Sampling Date:	01/05/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 1 @ 5' (H200053-03)

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	1119	64.4-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	01/12/2012	ND	432	108	400	7.14	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	110 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	123 5	% 57.6-15	8						

#### Chlorida SM4500Cl-B ma/ka

Chloride, SM4500Cl-B		ng/kg Ana		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/12/2012	ND	432	108	400	7.14	

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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: (505) 397-0397

Received:	01/11/2012	Sampling Date:	01/05/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 1 @ 10' (H200053-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/12/2012	ND	432	108	400	7.14	

## Sample ID: SP 2 @ 1' (H200053-06)

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	01/13/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/13/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	< 0.050	0.050	01/13/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/13/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	110	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/12/2012	ND	432	108	400	7.14	
TPH 8015M	mg,	mg/kg A		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/12/2012	ND	214	107	200	6.19	

01/12/2012

Surrogate: 1-Chlorooctane 114 % 136 %

63.2

50.0

55.5-154 57.6-158

Surrogate: 1-Chlorooctadecane

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DRO >C10-C28

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5.58

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Celey D. Kune

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:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

### Sample ID: SP 2 @ 3' (H200053-07)

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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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2,04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	108 9	% 64.4-13	4			· · · ·			
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	01/12/2012	ND	432	108	400	7.14	
TPH 8015M	mg/	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: I-Chlorooctane	113 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	1269	57.6-15	8						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

#### Sample ID: SP 2 @ 5' (H200053-08)

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BTEX 8021B	mg/	kg	Analyze	d By: AP				e.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	64.4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	01/12/2012	ND	432	108	400	7.14	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	109 \$	% 55.5-15	4						,
Surrogate: 1-Chlorooctadecane	121 9	% 57.6-15	8						

## Sample ID: SP 2 @ 7' (H200053-09)

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	01/12/2012	ND	432	108	400	7.14	

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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:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 2 @ 10' (H200053-10)

Chloride, SM4500Cl-B	/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2012	ND	432	108	400	7.14	

## Sample ID: SP 3 @ 1' (H200053-11)

BTEX 8021B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	

Surrogate: 4-Bromofluorobenzene (PIL 107 % 64.4-134

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	01/12/2012	ND	448	112	400	3.51	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	108	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	121	% 57.6-15	8						

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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:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 3 @ 3' (H200053-12)

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	01/12/2012	ND	448	112	400	3.51	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	108 9	55.5-15	4				······		
Surrogate: 1-Chlorooctadecane	119 9	% 57.6-15	8						

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Celey D. Kune

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:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 3 @ 5' (H200053-13)

BTEX 8021B	mg/	kg	Analyze	d By: AP		,			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	0.051	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	106	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/12/2012	ND	448	112	400	3.51	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: I-Chlorooctane	106 :	% 55.5-15	4						
Surrogate: I-Chlorooctadecane	116	57.6-15	8						

## Sample ID: SP 3 @ 7' (H200053-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/12/2012	ND	448	112	400	3.51	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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## Analytical Results For:

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

Received:	01/11/2012	Sampling Date:	01/06/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 3 @ 10' (H200053-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2012	ND	448	112	400	3.51	

## Sample ID: SP 4 @ 1' (H200053-16)

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	108	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/12/2012	ND	448	112	400	3.51	
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	01/12/2012	ND	214	107	200	6.19	
DRO >C10-C28	<10.0	10.0	01/12/2012	ND	200	100	200	5.58	
Surrogate: 1-Chlorooctane	117 :	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	129	% 57.6-15	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



.

## Analytical Results For:

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

Received:	01/11/2012	Sampling Date:	01/09/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 4 @ 2' (H200053-17)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	0.067	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	1.22	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	1.65	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	327	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/12/2012	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS			. <u>.</u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	257	100	01/13/2012	ND	207	103	200	0.615	
DRO >C10-C28	4770	100	01/13/2012	ND	188	93.9	200	0.158	
Surrogate: 1-Chlorooctane	139	% 55.5-15	4						
Surrogate: I-Chlorooctadecane	131	% 57.6-15	8						

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#### \*=Accredited Analyte

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Celey D. Kune

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:	01/11/2012	Sampling Date:	01/09/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 5 @ 1' (H200053-18)

.

BTEX 80218	mg	'kg	Analyze	d By: AP				S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	01/12/2012	ND	1.96	98.2	2.00	0.772			
Toluene*	0.275	0.050	01/12/2012	ND	2.04	102	2.00	2.13			
Ethylbenzene*	1,11	0.050	01/12/2012	ND	2.11	105	2.00	0.221			
Total Xylenes*	2.08	0.150	01/12/2012	ND	6.49	108	6.00	0.940			
Surrogate: 4-Bromofluorobenzene (PIL	225	% 64.4-13	4								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	576	16.0	01/12/2012	ND	448	112	400	3.51			
ТРН 8015М	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	⊤rue Value QC	RPD	Qualifier		
GRO C6-C10	<100	100	01/13/2012	ND	207	103	200	0.615			
DRO >C10-C28	2330	100	01/13/2012	ND	188	93.9	200	0.158			
Surrogate: 1-Chlorooctane	124	55.5-15	4	······································							
Surrogate: 1-Chlorooctadecane	134	% 57.6-15	8								

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Celey D. Kune

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:	01/11/2012	Sampling Date:	01/09/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

#### Sample ID: SP 5 @ 2' (H200053-19)

.

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	111	64.4-13	4						
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	01/12/2012	ND	448	112	400	3.51	
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	01/13/2012	ND	207	103	200	0.615	
DRO >C10-C28	<10.0	10.0	01/13/2012	ND	188	93.9	200	0.158	
Surrogate: 1-Chlorooctane	100	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	$\Pi I$	% 57.6-15	8						

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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:	01/11/2012	Sampling Date:	01/09/2012
Reported:	01/17/2012	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SP 5 @ 4' (H200053-20)

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	01/12/2012	ND	1.96	98.2	2.00	0.772	
Toluene*	<0.050	0.050	01/12/2012	ND	2.04	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/12/2012	ND	2.11	105	2.00	0.221	
Total Xylenes*	<0.150	0.150	01/12/2012	ND	6.49	108	6.00	0.940	
Surrogate: 4-Bromofluorobenzene (PIL	130	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2012	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

207

188

103

93.9

200

200

0.615

0.158

01/13/2012

01/13/2012

#### Cardinal Laboratories

GRO C6-C10

DRO >C10-C28

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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Celey D. Keine

<10.0

442

104%

124%

10.0

10.0

55.5-154

57.6-158

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

2/2

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

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

Company Name	BBC International, Inc.				BILL TO ANALYSIS REQUEST													
Project Manage	r: Cliff Brunson				P.O. #:			Τ							1			
Address: P.O. Box 805					Company:			1									,	
city: Hobbs	State: NM	Zip:	8	8241	Attn:													
Phone #: 575-	397-6388 Fax #: 575	-397	-03	397	Address:	Syn	1 5				:			ł				
Project #:	Project Owne				City:			1										
	Feveral 12-1 50				State:	Zip:												
Project Location	<u> </u>		<u> </u>		Phone #:			1										
Sampler Name:	Veff Crnela	2 5		······	Fax #:													
FOR LAB USE ONLY		TT		MATRIX	PRESERV	SAM	PLING	1										
Lab I.D. H 200053	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SUUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	DAT	E TIME	Hall	BTE	-70								
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4	5p1@7	6	4				200	<u> </u>		X		]			 			
5	sp1@10'	6	1		6	V	303	[		Σ,					 			
0	Spz @ 1	6	Ļ			1-6-7		×	<u> </u>	X					 			
7	5p2(2) 3	6	$\frac{1}{1}$				938	-7	×	×					 	·		
	5p205'	12		<u> </u>		<i> </i>	1020	*.	- <i>Ž</i>	$\frac{f}{X}$					 			
	5/02@1'	6	$\frac{1}{i}$			1/-	1045			$\frac{\lambda}{\lambda}$								

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	affiliates or successors arising out of or related to the performance i	of services hereunder by C	ardinal redatc'ess	of whether such claim is posed up	on any of the above stated re	secos or otherwise					
	Relinguished By:	Date:	Received	By:		Phone Result:	I Yes	O No	Add'l Phone #:		
1		1-10-12	A.	a did .		Fax Result:	Yes	O No	Add'l Fax #:		
	174 Ornel25	Top: 35	ACC	e allen	DON	REMARKS:					
	Relinquished By:	Date:	Received	By:						•	
1											
		Time:									
		1									
	Delivered By: (Circle One)			Sample Condition	CHECKED BY:						
	Sampler - UPS - Bus - Other:		30	Cool Intact Yes Yes No No	(Initial's)						

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

#26

ARDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name	BBC International, Inc.				<b>建</b> 制的	BI	LL TO	int lais				ANA	LYSIS	REC	QUES	ST	 	
Project Manager: Cliff Brunson					P.O. #:										·			
Address: P.O. Box 805					Company:													
city: Hobbs	State: NM	Zip	: 8	8241	Attn:													
Phone #: 575-3	397-6388 Fax #: 575	-397	7-03	397	Addres	s:	Same											
Project #:	Project Owne	r:	0	XV	City:													ļ
Project Name:	Federal 12-1 500				State:		Zip:											
Project Location	-				Phone													
Sampler Name:	Jeff Qune 1	21	5		Fax #:					X								
FOR LAB USE ONLY		Ĺ		MATRIX		SERV	SAMPLING	;	<u> </u>	Lí)								
Lab I.D. H200053	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	1101-	37	CL							
11	50301	G	1			X	1-6-12 1	60	7-	Z	7						 	
17.	<u>\$p303'</u>	6	1	X		٨L		30	<u>×</u>	×	7						 	
13	50365	6	1			<u> </u>	2	210	1	<u>×</u>	4						 	
14	5p3Q7'	6	1			κ		240			X						 	
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affiliates or successors arising out of or related to the performance	I services hereunder by C	aroinal, regardless of whether such claim	n is based upon any of the above stated re	asons or otherwise.				والمتحد المنتجر والمتحد والمتح
Relinguished By:	Date:	Received By:	)	Phone Result:	C Yes	🗆 No	Add'I Phone #:	
	1-10-12	1 /1 2. 1		Fax Result:	🛛 Yes	🗆 No	Add'l Fax #:	······································
off Ernops	Time: 35	godi I	almoon.	REMARKS:				
Relinquished By:	Date:	Received By:						
	·	-						
	Time:							
Delivered By: (Circle One)		Sample Condi						
Sampler - UPS - Bus - Other:	, 5	Cool Intact	as / th					

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

#26

1/2



September 11, 2013 Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

5 A S

RE: FEDERAL 12 #1 SOUTH BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/04/13 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> 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.

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



,

## Analytical Results For:

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

Received:	09/04/2013	Sampling Date:	09/03/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SW 1 NORTH CONFIRMATION (H302144-01)

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	09/10/2013	ND	1.85	92.6	2.00	6.48	
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00	7.38	
Ethylbenzene*	<0.050	0.050	09/10/2013	ND	1.93	96.4	2.00	7.53	
Total Xylenes*	<0.150	0.150	09/10/2013	ND	5.78	96.3	6.00	8.29	
Total BTEX	<0.300	0.300	09/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	103 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/06/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: AR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2013	ND	205	102	200	3.20	
DRO >C10-C28	<10.0	10.0	09/06/2013	ND	196	98.0	200	2.92	
Surrogate: 1-Chlorooctane	88.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.9	% 63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received:	09/04/2013	Sampling Date:	09/03/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SW 2 SOUTH CONFIRMATION (H302144-02)

BTEX 8021B	mg/kg Analyzed By: MS		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC
Benzene*	<0.050	0.050	09/10/2013	ND	1.85	92.6	2.00
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00
Ethylbenzene*	<0.050	0.050	09/10/2013	ND	1.93	96.4	2.00

09/10/2013

09/10/2013

Surrogate: 4-Bromofluorobenzene (PIE 103 % 89.4-126

< 0.150

< 0.300

88.9 %

63.6-154

0.150

0.300

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	09/06/2013	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2013	ND	205	102	200	3.20	
DRO >C10-C28	<10.0	10.0	09/06/2013	ND	196	98.0	200	2.92	

ND

ND

5.78

96.3

Surrogate: 1-Chlorooctadecane

Total Xylenes\*

Total BTEX

#### Cardinal Laboratories

#### \*=Accredited Analyte

RPD

6.48 7.38

7.53

8.29

6.00

Qualifier

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	09/04/2013	Sampling Date:	09/03/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

### Sample ID: SW 3 WEST CONFIRMATION (H302144-03)

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	09/10/2013	ND	1.85	92.6	2.00	6.48	
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00	7.38	
Ethylbenzene*	<0.050	0.050	09/10/2013	ND	1.93	96.4	2.00	7.53	
Total Xylenes*	<0.150	0.150	09/10/2013	ND	5.78	96.3	6.00	8.29	
Total BTEX	<0.300	0.300	09/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 104 % 89.4-126

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	09/06/2013	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2013	ND	205	102	200	3.20	
DRO >C10-C28	<10.0	10.0	09/06/2013	ND	196	98.0	200	2.92	
Surrogate: 1-Chlorooctane	87.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.8	% 63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	09/04/2013	Sampling Date:	09/03/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: SW 4 EAST CONFIRMATION (H302144-04)

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	09/10/2013	ND	1.85	92.6	2.00	6.48	
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00	7.38	
Ethylbenzene*	<0.050	0.050	09/10/2013	ND	1.93	96.4	2.00	7.53	
Total Xylenes*	<0.150	0.150	09/10/2013	ND	5.78	96.3	6.00	8.29	
Total BTEX	<0.300	0.300	09/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 89.4-12	6	·					
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	ŔPD	Qualifier
Chloride	<16.0	16.0	09/06/2013	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2013	ND	205	102	200	3.20	
DRO >C10-C28	<10.0	10.0	09/06/2013	ND	196	98.0	200	2.92	

 Surrogate:
 1-Chlorooctane
 86.2 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 90.9 %
 63.6-154

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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## Analytical Results For:

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

Received:	09/04/2013	Sampling Date:	09/03/2013
Reported:	09/11/2013	Sampling Type:	Soil
Project Name:	FEDERAL 12 #1 SOUTH BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C 29		

## Sample ID: BOTTOM CONFIRMATION (H302144-05)

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	09/10/2013	ND	1.85	92.6	2.00	6.48	
Toluene*	<0.050	0.050	09/10/2013	ND	1.87	93.3	2.00	7.38	
Ethylbenzene*	<0.050	0.050	09/10/2013	ND	1.93	96.4	2.00	7.53	
Total Xylenes*	<0.150	0.150	09/10/2013	ND	5.78	96.3	6.00	8.29	
Total BTEX	<0.300	0.300	09/10/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP	-				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/06/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2013	ND	205	102	200	3.20	
DRO >C10-C28	<10.0	10.0	09/06/2013	ND	196	98.0	200	2.92	
Surrogate: 1-Chlorooctane	88.3 9	65.2-14	0	<del></del>					
Surrogate: 1-Chlorooctadecane	95.0 9	63.6-15	4						

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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## **Notes and Definitions**

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

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

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Page 8

ARDINAL LABORATORIES

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

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	BBC International, Inc.	·						E BUDGIO E						_			ANA	LYSI	S RE	EQUE	ST		-	
Project Manager: Cliff Brunson					/	P.O. #:						·			ŀ									
Address: P.O. Box 805						Company:					1		·						1.1					
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

# **Kathy Purvis**

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Thursday, November 15, 2012 1:42 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject:	RE: Oxy - Federal 12-1 South Battery

Reference: OXY USA \* Federal 12-1 (South Battery) \* 30-015-26742 \* M-12-22s-31e \* Eddy County, New Mexico

OCD Tracking Number: 2RP-1404 \* Date of release: 11/2/11

Cliff,

Your proposal for remediation of the above referenced release is approved with the following conditions/stipulations:

- Notify OCD 48 hours prior to commencement of remedial operations.
- Notify OCD 48 hours prior to obtaining samples where the analyses will be submitted to OCD.
- Obtain representative confirmation samples of bottoms and sidewalls of excavation/excavations.
- Deeper excavation may be required in the area identified as SP2 due to elevated chloride levels at the 5' interval.
- Deeper excavation may be required in the area identified as SP4 due to elevated TPH levels at the 2' interval.
- Obtain approval prior to backfilling any excavation.
- Submit a closure report and Form C-141 marked Final Report upon satisfactory completion of project.
- Approval by BLM and/or any other regulatory authority as may be applicable.

\*NOTE\* : OCD has a notification of this release, received via email on November 3, 2011. The reported release volume was 100 bbls of produced water and 3 bbls of oil, with 80 bbls total fluid recovered. The indicated date of release was November 2, 2011. OCD has no record of having received an Initial Report Form C-141 for this release. Please provide the Form C-141 for reporting this release. If the form has been previously submitted, please provide a copy of that submittal, along with the date and method of submission. Also, if this remediation proposal is not for this referenced release (release date 11/2/11), please advise immediately. Also, check that the API number listed above matches OXY's record for this site.

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, and for notifications, 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: Tuesday, September 11, 2012 7:33 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: Oxy - Federal 12-1 South Battery

Mike,

This e-mail is to confirm our discussion on September 5, 2012 concerning the remediation plan for the release that occurred at the Oxy Federal 12-1 South Battery. As agreed, Oxy will excavate 3 feet or as practicable in the areas covered by SP1 - SP3 and will excavate to a depth of 1 foot in the areas covered by SP4 – SP5 as depicted on the attached site diagram. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 100 feet.

I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. 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

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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# **Kathy Purvis**

From:	Amos, James <jamos@blm.gov></jamos@blm.gov>
Sent:	Monday, December 17, 2012 9:32 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: Oxy Federal 12-1 South Battery

On Mon, Dec 17, 2012 at 8:39 AM, Amos, James <<u>jamos@blm.gov</u>> wrote: Everybody,

I'm good with Mike's assessment of the remediation plan and his conditions of approval. Keep me in the loop as far as notification of start and prior to closure. I'm like MIke, I need a copy of the initial spill report. I've one major concern. The date of the release, 11/2/11 was over a year ago and we've just not got a plan in place. As everyone knows we're dodging bullets as it relates to chickens and lizards. This site is just adjacent to one of the Habitat Evaluation Areas for the LPC. This next year will be critical to the listing or not. We will be having all kinds of environmental folks, in these areas, looking for the chance to find O&G not doing a good job. Just a thought. I would like to see these events ready to close in 3-4 months at the max. If any thoughts or questions, please get back to me.

Thanks,

J. Amos

On Sun, Dec 16, 2012 at 6:35 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jim,

I have attached a remediation packet of information for your review. This packet includes the approval from the NMOCD, a site diagram with sample points and remediation/excavations area depicted, a lab data summary table, and the original lab data.

Oxy proposes to the BLM to conduct the remediation plan approved by the NMOCD. In the areas covered by SP1 and SP2, the soil will be excavated to a depth of 3 feet or as practicable. In the area covered by SP2, the soil will be excavated to a depth of 6 feet or as practicable and in the area covered by SP4, the excavation will be 3 feet deep. In the area covered by SP5, the excavation will be 1 foot deep. An initial response was conducted at the time of the release and approximately 6 inches of soil was excavated to remove the highest concentration of impacted soil. After the excavation is completed, all areas will be backfilled with the appropriate material.

Oxy is therefore requesting the approval of the BLM to proceed with the submitted remediation plan. If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

Thank you,

Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

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