# **Closure Report**

Site Description							
Site Name:	Federal 27 #8						
Company:	Oxy Permian Ltd.						
Legal Description:	U/L M, Section 27, T22S, R32E						
County:	Lea County, NM						
GPS Coordinates:	N 32.35703° W 103.66887°						

Release Data							
Date of Release:	02/18/2014						
Type of Release:	Produced water						
Source of Release:	Stuffing box leak on wellhead						
Volume of Release:	15 bbls						
Volume Recovered:	0 bbls						

Remediation Specifications								
Remediation	Excavate to a depth of a minimum of 7 feet in the area around							
Parameters:	SP1. Excavate to a depth of a minimum of 1 foot in the areas							
	of SP2 and SP4. Excavate to a depth of a minimum of 3 feet in							
	the area of SP3. Obtain a bottom confirmation field screen at							
	SP1. Backfill the site with clean soil.							
Remediation Activities:	09/02/2014 to 09/29/2014							

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

Supporting Documentation							
Initial C-141	Signed 02/19/2014						
Final C-141	Signed 10/10/2014						
Site Diagram	February 2014						
Groundwater Plot	400'						
TOPO Maps	February 2014						
Lab Summary	03/15/2014-03/16/2014						
Lab Analysis	03/15/2014-03/16/2014						
Correspondence	Request and approval of remediation plan via email						

# **Request for Closure**

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

Cliff Brunson, President of BBC International Inc. 10/20/2014

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Form C-141

Revised October 10, 2003

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

Release Notification and Corrective Action

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

Parket Market Control of the Control						OPERA'	<b>FOR</b>		⊠ Initi	al Report		Final Repo
	Name of Company Oxy USA Inc.					Contact Austin Tramell						
		tanolind Rd,	Hobbs, N	M		Telephone No. (575) 397-8210						
Facility Nar	ne Feder	ai 27 #8				Facility Typ	e Well			**************************************		
Surface Ow	ner BLI	М		Mineral C	wner)			······································	Lease 1	No. 30-025	-3275	5
				LOCA	TIO	N OF REI	FASE					
Unit Letter	Section	Township	Range	Feet from the	CONTRACTOR CONTRACTOR	South Line	Feet from the	East/\	West Line	County	······································	
М	27	225	32E	580'		South	790°		West			
Latitude N 32.35681° Longitude W 103.6680°												
				NAT	TIRE.	OF RELI						
Type of Relea	ise Produ	iced Water		1778.	URKEZ	Volume of		}	Volume F	Recovered	0 bbls	
		ng box leak o	n well head	1	*********	3	our of Occurrence			Hour of Dis		
***		1 23				02/18/2014					·	
Was Immedia	ite Notice C		Vec 🗀	No ☐ Not Re	onivad	If YES, To	Whom? eking- NMOCD, .	lonaif.	. Van Cum	IN N. 8		
				THO DI NOTRO	demen	İ		Jennie:	r van Cure	n- 131,Vi		
		vis, BBC Inter	rnational			Date and H	our 02/18/2014	(a) 3:21	0 pm		Tin American	
Was a Watere	ourse Keac		Yes 🖂	No		If YES, Vo.	lume Impacting th	ie Wate	ercourse.			
If a Watercou	ree was Ime	nacted Decrei	ha Fulfy *	THE WHITE CONTROL COMMENTS	<del></del>	<u> </u>	······································	***************************************				
		morett, Lyosott	oe runy.					•				
Describe Caus	e of Proble	m and Remed	ial Action	Taken.*			····					
73°4 . 67° 4					_							
The stuffing b	ox on the w	veil head leake	d 15 bbls o	of produced water	r onto ti	ne ground. No	o fluids were reco	vered a	nd the stuff	ing box was	s repair	red.
Describe Area	Affected a	nd Cleanup A	ction Take	n.*	<del></del>	·····		***************************************	<del></del>		***************************************	
The effected of	man service com-	amazinantalı. 37	)1 w 601 am	the least we will	1 22	101 00.1 1						
plan approved	by both the	NMOCD and	the BLM.	the location pag :	and 213	c 15' off the fe	ocation pad. Rem	ediation	n will be co	mpleted in a	accorda	ance with a
					***							
I hereby certify	y that the in	iformation giv	en above is	s true and comple	te to th	e best of my k	nowledge and un	derstan	d that pursi	ant to NMC	CD ru	les and
public health o	operators a	onment. The a	report and ceentance	of a C-141 report	lease no	tifications and NMOCD mad	l perform correcti rked as "Final Re	ive actio	ons for rele	ases which t	nay en	danger
snould their op	erations ha	ive failed to ac	lequately in	ivestigate and rer	nediate	contamination	n that nose a three	at to ore	und water	curfore wat	ar bun	nan baalth
or the environi	nent, in aq	dition, NIVIUC	D accepta	nce of a U-141 re	port do	es not relieve	the operator of re	sponsil	ility for co	mpliance wi	th any	other
rederal, state, o	or local/law	s and/or regul:	ations.									***************************************
		1/					OIL CONS	<u>LRV</u>	<u>ation i</u>	<u> DIVISIO</u>	N	
Signature:	-July	Jun Coll										
Printed Name: Austin Tramell					Α	pproved by D	istrict Supervisor	•:				
i imed ivanie:	Ausun I	10HICH			-  -		,					
Title: HES C	Title: HES Coordinator					pproval Date:		Expiration Date:				
E-mail Address	s: Austin	Tramell@ox	v.com			onditions of A	Approval:					
a L	9/14					viente vita di C	-ppinorus			Attached		
Date: //	1117	. 1.033	Phone	: (575) 397-8210						**************************************		
Attach Addition	mai Sheet:	s II Necessar	٧.									

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

Final Report

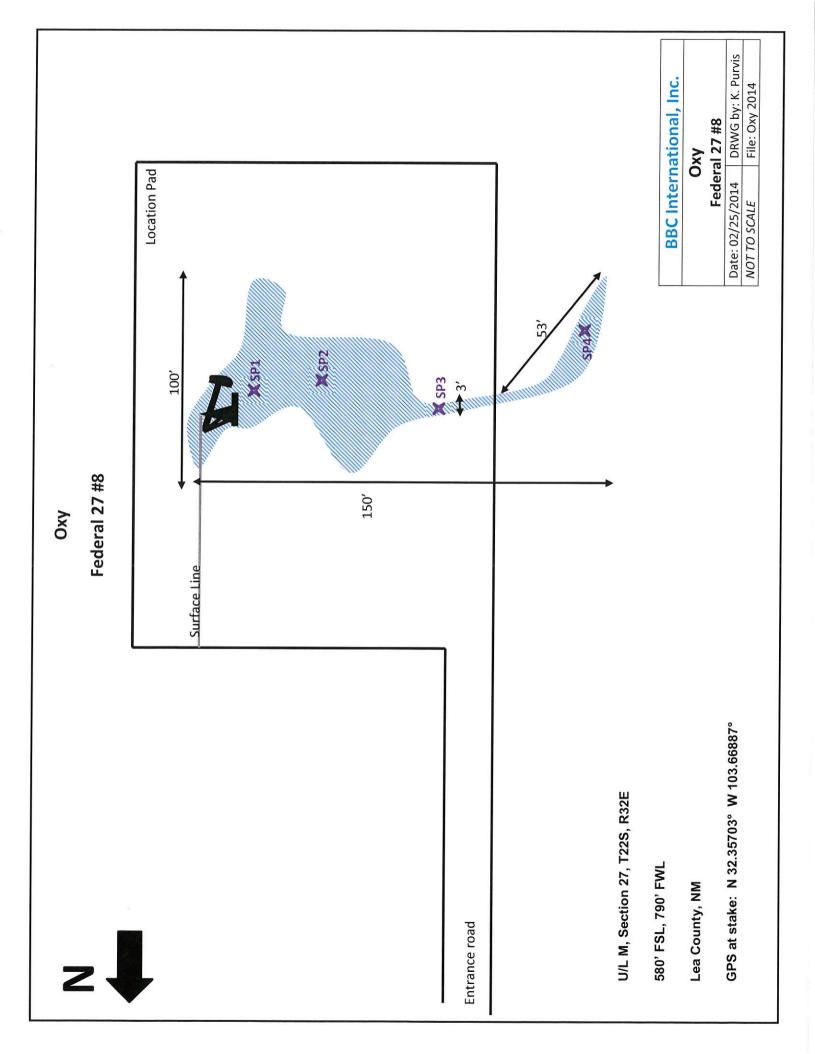
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Initial Report

### **Release Notification and Corrective Action**

**OPERATOR** 

Name of Company Oxy USA Inc.						Contact Chancey Summers					
Address 1017 W. Stanolind Rd, Hobbs, NM						Telephone No. (575) 397-8216					
Facility Name Federal 27 #8						Facility Type Well					
Surface Ow	ner BLN	Л	****	Mineral O	wner			A DI No	. 30-025-32755		
2011000				Minioral O	WIIOI			AITRO	. 30-023-32733		
						OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	Forth/South Line   Feet from the   East/West Line   County					
M	27	22S	32E	580'	,	South	790'	West	Lea		
<b>Latitude</b> N 32.35681° <b>Longitude</b> W 103.6680°											
						_		<u>-</u>			
Type of Relea	se Produ	ced Water		NAI	URE	OF RELI Volume of	***************************************	Volume R	Recovered 0 bbls		
Source of Rel			n well hea	d		<u> </u>	our of Occurrence		Hour of Discovery		
500100 01 Ref	case Start	iig oox icak o.	ii weli liça	A.		02/18/2014		Date and	nour of Discovery		
Was Immedia	te Notice C					If YES, To		•			
		$\boxtimes$	Yes	No 🔲 Not Re	quired	Goeffrey L	eking- NMOCD, .	Jennifer Van Cure	n- BLM		
By Whom?	Kathy Pur	vis, BBC Inter	rnational			Date and H	our 02/18/2014	@ 3:20 pm			
Was a Waterc	ourse Reac					If YES, Vo	lume Impacting th				
		Ц	Yes 🛚	No							
If a Watercou	rse was Imp	acted, Descri	be Fully.*			/					
Describe Caus	se of Proble	m and Remed	lial Action	Taken.*							
The stuffing h	ox on the u	zell head leake	ed 15 bble	of produced water	r onto tl	a e eround N	o fluide wara raco	versed and the struct	fing box was repaired.		
The staring b	ox on the w	on nead teak	Ja 15 0018	or produced wate.	i onto ti	ie ground. Iv	o nuids were teco	vered and the stur	ing box was repaired.		
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*							
The offeeted o	***		Ω? <b>ζ</b> Ω?	4 1 2 1	101	3.51 CC 1 1	. 15	gh	1 . 14		
remediation p	rea was app an approve	oroximately 20 d by Geoffrey	J x ou oi Leking o	i the tocation pad f NMOCD via em	and 213 ail on 0	7/01/2014 and	ocation pad. Rem d approved by Ier	ediation was comp	oleted in accordance with the a a meeting on 06/30/2014.		
I hereby certif	y that the ir	formation giv	en above	is true and comple	ete to th	e best of my l	cnowledge and un	derstand that pursi	ant to NMOCD rules and		
regulations all	operators a	re required to	report an	d/or file certain re	lease no	tifications an	d perform correcti	ive actions for rele	ases which may endanger		
should their or	or the environment	onment. The a	acceptance dequately	e of a C-141 repor	t by the mediate	Contamination	rked as "Final Re	port" does not relie	eve the operator of liability surface water, human health		
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141 rd	eport do	es not relieve	the operator of re	esponsibility for co	mpliance with any other		
federal, state,	or local law	s and/or regul	ations.					1 5	· · · · · · · · · · · · · · · · · · ·		
							OIL CONS	ERVATION :	DIVISION		
Signature:				)	İ						
					-	onroved by I	District Supervisor	<b>,</b>			
Printed Name: Chancey Summers							Sistret Supervisor				
Title: HES	Advisor				Ą	pproval Date	»:	Expiration D	Date:		
E mail Addres	o. Char-	ar. C					A				
E-mail Addres		ey_Summers(	woxy.com	<u> </u>	— I C	onditions of.	Approva!:		Attached		
Date:	9 10 -	17	Phor	ne: (575) 397-8216	5						
Attach Additi	onal Sheet	s If Necessa	ťV				"				



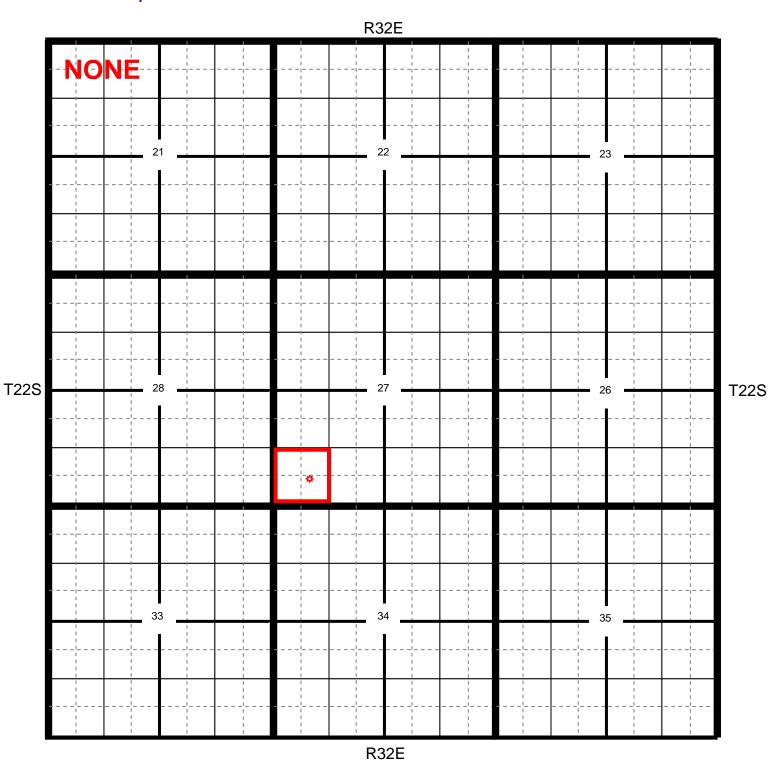


# **Groundwater Plot**

# Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'



Location

OCD

USGS

SEO

All Databases



## **Section Quarters**

# Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'

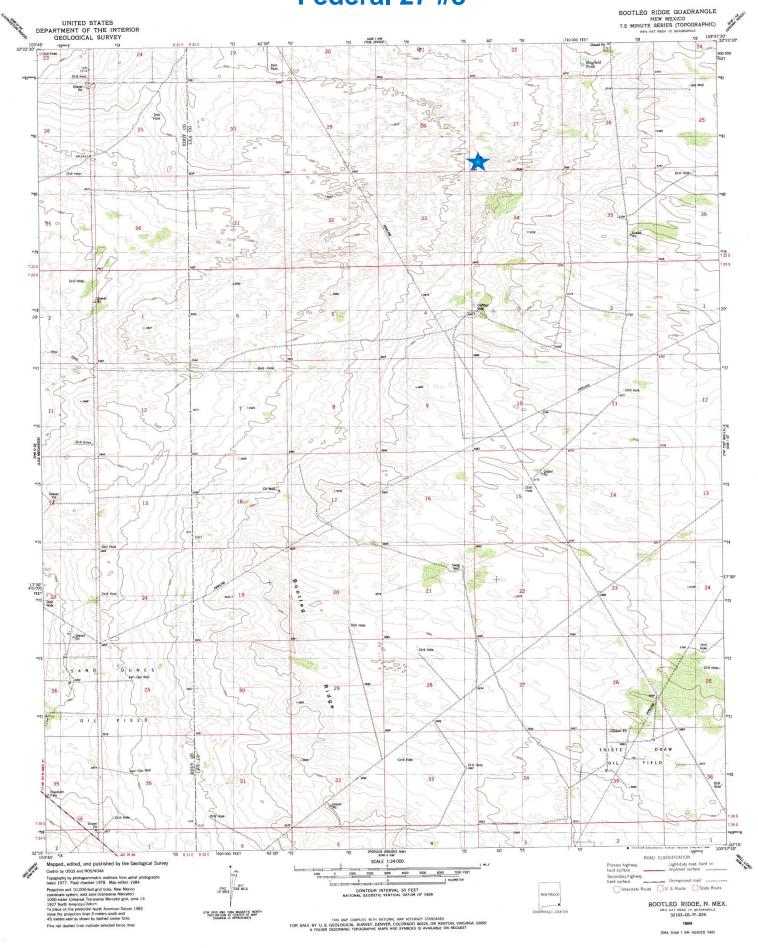
1

NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
<b>☆</b> Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

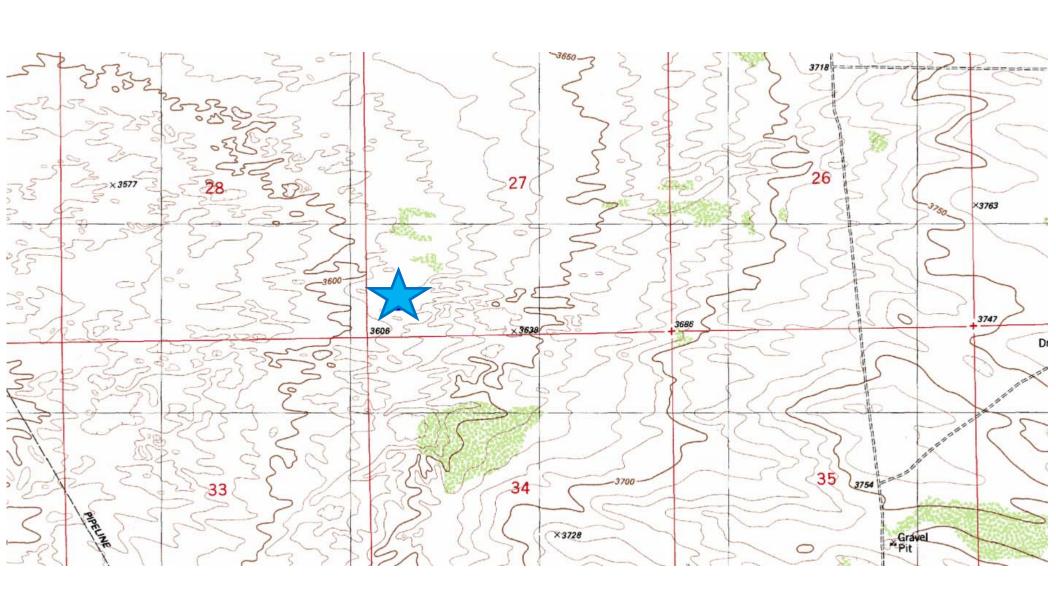
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# Оху

# **Federal 27 #8**



Oxy Federal 27 #8



### Laboratory Analytical Results Summary Federal 27 #8

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	384	3480	4320	336
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		<0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		1760	416	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 8'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		2600	1330	576	128	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		13100	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		108	<10.0	<10.0



March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



LEA COUNTY, NM

### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400872-01)

Project Location:

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 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	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

### 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 whistoever 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.



BBC International, Inc.

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

Fax To: (575) 397-0397

 Received:
 03/25/2014
 Sampling Date:
 03/15/2014

 Reported:
 03/31/2014
 Sampling Type:
 Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 3' (H400872-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	RPD	Qualifier
Chloride	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99 9	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 99.9 % 63.6-154

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 5' (H400872-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 87.4 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

 Received:
 03/25/2014
 Sampling Date:
 03/15/2014

 Reported:
 03/31/2014
 Sampling Type:
 Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 7' (H400872-04)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	74.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.9	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 1 @ 9' (H400872-05)

Project Location:

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 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	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 1' (H400872-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 3' (H400872-07)

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.6	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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Jodi Henson

Sample Received By:



### Analytical Results For:

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 4' (H400872-08)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 1' (H400872-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	RPD	Qualifier
Chloride	2600	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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Jodi Henson

Sample Received By:



### Analytical Results For:

BBC International, Inc.

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 3' (H400872-10)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	RPD	Qualifier
Chloride	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1	% 63.6-15	4						

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Sample Received By:



### Analytical Results For:

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 5' (H400872-11)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	81.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.1	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 7' (H400872-12)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 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	RPD	Qualifier
Chloride	128	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	75.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.0	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 8' (H400872-13)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
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	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 1' (H400872-14)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13100	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.6	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 99.6 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 3' (H400872-15)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	6						
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	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	929	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 5' (H400872-16)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
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	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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101 East Medical III, 10500, 101 (505) 393-2476	(505) 393-2476	SIL TO	ANALYSIS REQUEST
Company Name: BBC International, Inc.		P.O.#	
Project Manager: Cliff Brunson		Company:	
Address: P.O. Box 805	98241	Attn:	
city: Hobbs	+	Adrage.	
Phone #: 575-397-6388	397	City.	
Project #:	Project Owner: UXY	City.	
Broject Name: Federal 27 #8		20.	
County, NM		Phone #:	
Project Location.		1	
Sampler Name: Gary Ray	MATRIX	PRESERV. SAMPLING	
FOR LAB USE ONLY	S ER R	F X	
Lab I.D. Sample I.D.	S)RAB OR (C)O CONTAINERS ROUNDWATE WASTEWATER SOIL SLUDGE	DATE  TIME  TPH  BTEX  CI	
H40087Z	# GI	Α < 10 ω	
2 SP1 @ 3'	61 <	3/15/14 11:15 AM	
<b>3</b> SP1 @ 5'	6		
SP1@7'	SI.		
SP1@9'	0	-	
SP2 @ 1'	2		
7 SP2 @ 3'	6	2:30 PM 🗸 🗸	
SP2 @ 4'	20	10:45 AM 🗸 🗸	
9 SP3 @ 1'	-	3/16/14 11:15 AM V V V	
10 SP3 @ 3'	usive remedy for any c	aim arising whether based in contract or tort, shall be limited to the amount paid by the client for the orphicable	
PLEASE NOTE: Liability and Damages, Caddinal's liability and unaverse please. All claims including those for negligence and any other cause we analyses. All claims including those for incidental or consequently and controlled the consequently and the consequently are consequently and the consequently are consequently and the consequently are consequently as the consequently are	hatsbever shall be deen damages including wit	ed waived unless made in writing and received by Court of loss of profits incurred by client, its subsidiaries, out limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, out limitation, business interruptions, loss of user of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and interruption of loss of profits incurred by client, its subsidiaries, and its su	No Add'l Phone #:
affiliates or successors arising out of originated to the perform Relinquished By:	Day Received By:	□ Yes	
many	-	January -	
Relinquished By:	Date 100 Regerved By:		
	Sample Condition	dition CHECKED BY:	
Delivered By: (Circle One)	Cool Intact		
Sampler - UPS - Bus - Other:	D No D	No 376	
† Cardinal cannot accept ver	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2410	10 500-33 AT S	
		7	

Page 19 of 20

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(Co	,
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824 (505) 393-2326 FAX (505) 393-2476	•
RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	

(505) 393-2326 FAX (505) 393-2476	ANALYSIS REQUEST
Company Name: BBC International, Inc.	8/64.73
	F.O. #:
Address: P.O. Box 805	Company:
State: NM	Zip: 88241 Attn:
5-397-6388 Fax #:	575-397-0397 Address:
	Oxy City:
Project #: Project #: Federal 27 #8	State: Zip:
Lea County, NM	Phone #:
	Fax#:
Sampler Name: Gary Nay	MATRIX PRESERV SAMPLING
FOR LAB USE ONLY	S ER R
Lab I.D. Sample I.D.	
H400872	# C GR WAA SC OII AC O 3/16/14 1
	< -
1Z SP3 @ 7'	
13 SP3 @ 8'	3/16/14 1:30 PM V V
-	-
SP4 @ 3'	3/16/14
SP4 @ 5'	
W.Mary	
No	

Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 505-39314476 Sample Condition
Cool Intact
Pyes Pyes
No No #54

Relinquished By:

Time: Date 7:DE Time:

Received By:

Received By:

unless made in writing and received by Cardinal within 30 days after completion of the appli-yn, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Phone Result:
Fax Result:
REMARKS:

☐ Yes

□ No

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

Delivered By: (Circle One)

Relinquished By:

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

Page 20 of 20

### **Kathy Purvis**

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

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

**To:** Cliff P. Brunson

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

Subject: OCD Concurrence with Various OXY Remediation Plans

Cliff

### The OCD concurs with the:

- 1) OXY-State C Trac 11 Battery-Remediation Plan
- 2) OXY-Fred Turner JR B Battery-Remediation Plan
- 3) OXY-Federal 27 #8-Remediation Plan
- 4) OXY-MLMU #98-Remediation Plan
- 5) OXY-South Mattix Battery-Remediation Plan
- 6) OXY-MLMU Satellite #2-Remediation Plan
- 7) OXY-MLMU #71-Remediation Plan

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

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

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

Sent: Thursday, June 26, 2014 8:30 PM

To: Leking, Geoffrey R, EMNRD

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

Geoff,

This e-mail is to confirm our conversation on June 19, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 4 feet in the area around SP1, 1 foot in the areas of SP2 and SP3, 2 feet in the area of SP4, and 1 foot in the areas of SP5 and SP6 as depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388

Fax: (575) 397-0397 E-Mail: <a href="mailto:cbrunson@bbcinternational.com">cbrunson@bbcinternational.com</a>

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\*\*\*\*\*\*\*\*\*\*\*\*\*

### **Kathy Purvis**

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

**Sent:** Thursday, June 26, 2014 8:21 PM

**To:** Jennifer Van Curen

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

**Subject:** OXY-Federal 27 #8-Remediation Plan **Attachments:** Remediation Packet, Federal 27 #8.pdf

### Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoff Leking of the NMOCD. Oxy will excavate to a depth of 7 feet in the area around SP1, 1 foot in the area around SP2, 3 feet in the area around SP3, and 1 foot in the area around SP4 as depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

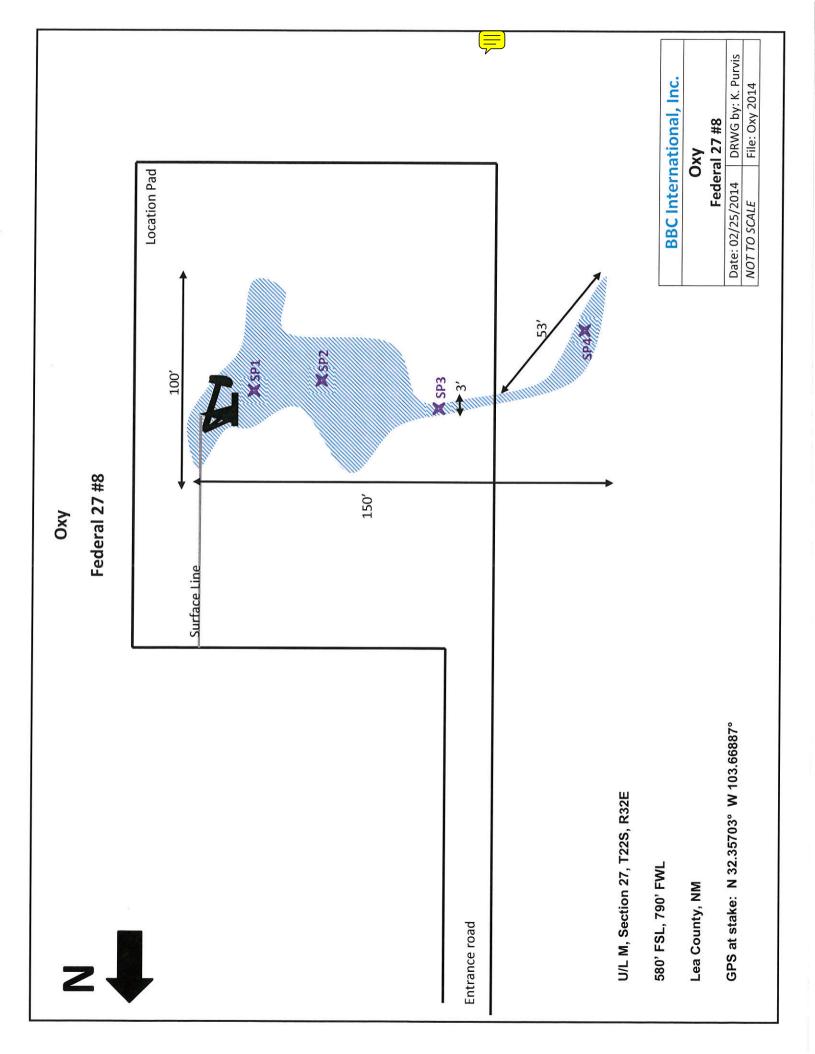
If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Fax: (575) 397-0397

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388

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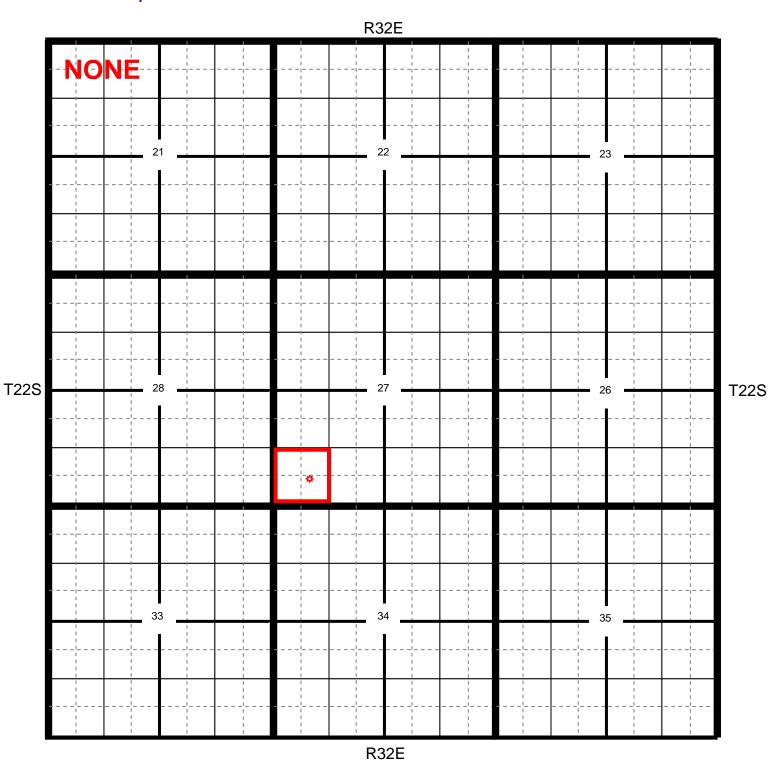


# **Groundwater Plot**

# Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'



Location

OCD

USGS

SEO

All Databases



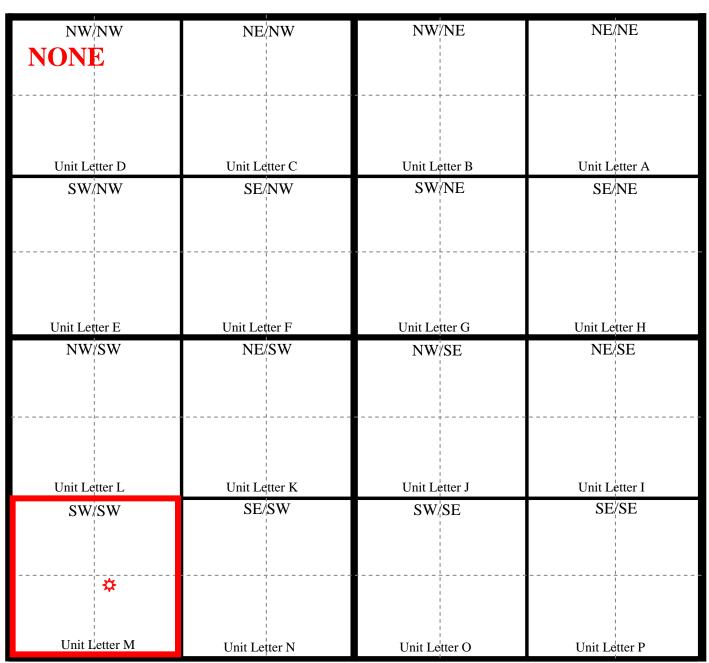
### **Section Quarters**

# Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'

1



3

### Laboratory Analytical Results Summary Federal 27 #8

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	384	3480	4320	336
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		<0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		1760	416	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 8'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		2600	1330	576	128	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		13100	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		108	<10.0	<10.0



March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



LEA COUNTY, NM

### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400872-01)

Project Location:

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 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	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

### Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

 Received:
 03/25/2014
 Sampling Date:
 03/15/2014

 Reported:
 03/31/2014
 Sampling Type:
 Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 3' (H400872-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	RPD	Qualifier
Chloride	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99 9	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 99.9 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 5' (H400872-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 87.4 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

 Received:
 03/25/2014
 Sampling Date:
 03/15/2014

 Reported:
 03/31/2014
 Sampling Type:
 Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 1 @ 7' (H400872-04)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	74.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.9	% 63.6-15	4						

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BBC International, Inc.

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Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: SP 1 @ 9' (H400872-05)

Project Location:

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 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	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 1' (H400872-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 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	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 3' (H400872-07)

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.6	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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Jodi Henson

Sample Received By:



### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/15/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 2 @ 4' (H400872-08)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 1' (H400872-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	RPD	Qualifier
Chloride	2600	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

Cardinal Laboratories \*=Accredited Analyte

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Jodi Henson

Sample Received By:



### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 3' (H400872-10)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	RPD	Qualifier
Chloride	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1	% 63.6-15	4						

### Cardinal Laboratories \*=Accredited Analyte

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Jodi Henson

Sample Received By:



### Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil
Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 5' (H400872-11)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	81.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.1	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 7' (H400872-12)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 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	RPD	Qualifier
Chloride	128	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	75.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.0	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 3 @ 8' (H400872-13)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 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	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 1' (H400872-14)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13100	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.6	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 99.6 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 3' (H400872-15)

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	6						
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	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	929	% 63 6-15	14						

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014

Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: SP 4 @ 5' (H400872-16)

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	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
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	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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(505) 393-2326 FAX (505) 393-2476	(505) 393-2476		ANALYSIS REQUEST
Company Name: BBC International, Inc.		P.O.#:	
Project Manager: Cliff Brunson	2 1:	Company:	
Address: P.O. Box 805	98241	Attn:	
city: Hobbs	+	Adrage.	
Phone #: 575-397-6388	39/	City.	
Project #:	Project Owner: Oxy	City.	
Broject Name: Federal 27 #8		20.	
Project Incation: Lea County, NM		Phone #:	
Project Location.		1	
Sampler Name: Gary Ray	MATRIX	PRESERV. SAMPLING	
FOR LAB USE ONLY	S ER R	F	
Lab I.D. Sample I.D.	S)RAB OR (C)O CONTAINERS ROUNDWATE WASTEWATER SOIL DIL SLUDGE	TPH  BTEX  CI	
H40087Z	# GI	Α < 10 ω	
2 SP1 @ 3'	61	3/15/14 11:15 AM	
SP1 @ 5'	0		
\$P1@7'	101		
SP1@9'		-	
6 SP2 @ 1'			
7 SP2@3'	G	2:30 PM 🗸 🗸	
SP2 @ 4'	201	10:45 AM 🗸 🗸	
9 SP3 @ 1'	-	3/16/14 11:15 AM V V V	
10 SP3 @ 3'	usive remedy for any c	laim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable	
PLEASE NOTE: Liability and Damages, Caddinal's liability and unaverse please. All claims including those for negligence and any other cause we analyses. All claims including those for incidental or consequently and controlled the consequently and the consequently are consequently and the consequently are consequently and the consequently are consequently as the consequently are	hatsbever shall be deen damages including wit	] Yes □ No	Add'l Phone #:
affiliates or successors arising out of orgalated to the perform Relinquished By:	Day Received By:	□ Yes □ No	QUI FAX #.
many	-	townsol -	
Relinquished By:	Date 100 Received By:		
	Sample Condition	ition CHECKED BY:	
Delivered By: (Circle One)	Cool Intact		
Sampler - UPS - Bus - Other:	No I No I	No No	
† Cardinal cannot accept ver	Cardinal cannot accept verbal changes. Please fax written changes to 505-393,2476	10 505-393,2476	
		7	

Page 19 of 20

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(Co	,
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824 (505) 393-2326 FAX (505) 393-2476	•
RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476	

(505) 393-2326 FAX (505) 3	ANALYSIS FAX (505) 393-2476	SIS REQUEST
Company Name: BBC International, Inc.	8/64.73	
	n F.O. #:	
Address: P.O. Box 805		
Hobbs	State: NM Zip: 88241 Attn:	
575-397-6388	Fax #: 575-397-0397 Address:	
lolle #:	Project Owner: Oxy City:	
Project Name: Federal 27 #8	State: Zip:	
Broject I oration: Lea County, NM		
	Fax	
FOR LAB USE ONLY	MATRIX	
Lab I.D. Sampl	DGE HER: D/BASE: / COOL HER:	
H4078-72	# COI GROI WAS SOIL OIL SLUI OTH ACIE	
	3/16/14	
12 SP3 @ 7'	3/16/14	
13 SP3 @ 8'	3/16/14 1:30 PM V V	
STATE OF THE PERSON	-	
SP4 @ 3'		
SP4 @ 5'		
***		
E S		
\	Y	

Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 505-39314476 Sample Condition
Cool Intact
Pyes Pyes
No No #54

Relinquished By:

Time: Date 7:DE Time:

Received By:

Received By:

unless made in writing and received by Cardinal within 30 days after completion of the appli-yn, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Phone Result:
Fax Result:
REMARKS:

☐ Yes

□ No

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

Delivered By: (Circle One)

Relinquished By:

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

Page 20 of 20

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Form C-141

Revised October 10, 2003

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

Release Notification and Corrective Action

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

p						OPERA'	<b>FOR</b>		🛛 Initi	al Report		Final Repor	
Name of Co		Oxy USA Ir				Contact Austin Tramell							
		tanolind Rd,	Hobbs, N	M		Telephone No. (575) 397-8210							
Facility Nat	ne Feder	al 27 #8				Facility Type Well							
Surface Ow	ner BLI	М		Mineral C	wner			······································	Lease N	No. 30-025	-3275	5	
				LOCA	TIO	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	CONTRACTOR OF THE PROPERTY.	TO THE OWNER OF THE OWNER O			ast/West Line   County				
M	27	225	32E	580'		South	790'	,	West Lea				
			1	atitude <u>N 32.3</u>	5681°	Longita	ıde <u>W 103.668(</u>	<u>)°</u>	····		***		
				NAT	URE	OF RELI	EASE						
Type of Relea	ise Prodi	aced Water		***************************************	***************************************	Volume of		;	Volume R	Recovered	0 bbls	}	
Source of Rel	ease Stuffi	ng box leak o	n well head	1		Date and Hour of Occurrence Date and Hour of Discovery							
Was Immedia	te Notice C	liven?				02/18/2014 If YES, To				***************************************		*****	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Yes 🔲	No ☐ Not Re	quired		eking- NMOCD.	Jennifei	Van Cure	n- BLM			
By Whom?	Kathy Pur	vis, BBC Inter	rectional			Date and H							
Was a Watero			national			If YES. Vo	our 02/18/2014 lume Impacting th	ie Wate	J pm rcourse		Tin \ marries		
			Yes 🛛	No		If YES, Volume Impacting the Watercourse.							
If a Watercou	se was lm	pacted, Descri	be Fully.*	WWW.	<del></del>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	***************************************			······································		
***************************************													
Describe Cause of Problem and Remedial Action Taken.*													
The stuffing box on the well head leaked 15 bbls of produced water onto the ground. No fluids were recovered and the stuffing box was repaired.									red.				
Describe Area	Affected a	nd Cleanup A	ction Take	n.*	<del></del>		——————————————————————————————————————		<del></del>		**************		
The affected a plan approved	rea was app by both the	proximately 20 NMOCD and	)' x 60' on I the BLM.	the location pad	and 2' s	c 15' off the le	ocation pad. Rem	ediation	ı will be co	mpleted in a	accorda	ance with a	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and													
regulations all	operators a	ife required to	report and	or file certain rel	ease no	tifications and	l perform correcti	ive actio	ms for relea	aces which r	nov en	doncer	
public nearm c	r me envir	onment. The a	icceptance	of a C-141 report	l by the	NMOCD mai	rked as "Final Re	nort <sup>a</sup> da	er not relie	we the energ	ator of	Reduities.	
or the environ	erations ha nent. In ad	we failed to addition. NMOC	lequately in	ivestigate and rei	nediate	contamination	n that pose a threa the operator of re	at to gro	und water,	surface wat	er, hun	nan health	
federal, state, o	r local-faw	s and/or Ægul:	ations.	inco or a C-141 Te	port ao	es not reneve	the operator of re	sponsio	unty for co	mphance wi	illi any	other	
	10	7/ .	ar San San San San San San San San San San				OIL CONS	ERVA	ATION I	DIVISIO	N		
Signature: 🖊	AL	151									Titoria.		
7		<del>/</del>	**************************************			nnrayad by P	istrict Supervisor						
Printed Name:	Austin T	ramell		THE STATE OF THE S	_   ^	pproved by D	visurici supervisor	· · ·	····				
Title: HES C	Coordinator		··· · · · · · · · · · · · · · · · · ·		A	pproval Date:		E:	xpiration D	ate:			
E-mail Address	: Austin	Tramell@ox	v.com		10	onditions of A	Innroval:			<del>-</del>			
$\sim L$	9/14					onwitten ut r	approva.			Attached			
Date: Aldition	1117	- ICNI	Phone	: (575) 397-8210						770 <del>000</del> -0000-0000-000-000-000-000-000-00			
Attach Addition	mai Sheet:	s II Necessar	٧.										