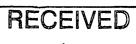
Closure Report



FEB **1 4** 2014

	Sile Description NMOCH ARTESIA
Site Name:	Righthand Canyon 35-7 SWD Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L K, Section 35, T21S, R42E
County:	Eddy County, NM
GPS Coordinates:	N 32.43428° W 104.46979°

	Release Data
Date of Release:	06/30/2011 and 01/01/2014 (2 nd leak in exact same place)
Type of Release:	Produced water & oil, Produced water
Source of Release:	Gun barrel tank, tank overflow due to bad PLC card
Volume of Release:	800 bbls water & 100 bbls oil, 800 bbls water
Volume Recovered:	140 bbls total, 720 bbls

	Remediat	on Specifications						
Remediation	Excavate to a	depth of 1' in areas of SP1-SP3, & to a depth of						
Parameters:								
Remediation Activities:	12/9/2013 to 1	/21/2014						
Plan Sent to OCD:	09/23/2012	Email from Cliff Brunson to Mike Bratcher						
OCD Approval of Diam	11/12/2012	Empell from Miles Drotch on to Oliff Drugson						

OCD Approval of Plan:	11/13/2012	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	12/16/2012	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	12/17/2012	Email from James Amos to Cliff Brunson

	Supporting Documentation
Initial C-141	Signed 07/06/2011, Signed 01/09/2014
Final C-141	Signed 02/12/2014 (both)
Site Diagram	January 2012, January 2014
Groundwater Plot	75'-80'
TOPO Maps	January 2012
Lab Summary	04/05/2012, 01/03/2014, 01/10/2014
Lab Analysis	04/05/2012, 01/03/2014, 01/10/2014
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.

02/13/2014

District I	tate of	f New Mex	ico					Form C-141
1625 N. French Dr., Hobbs, NM 88240 District II Energy M	inerals	and Natura	I Resources	Revised October 10, 208				
1301 W. Grand Avenue, Artesia, NM 88210 District III Oil (Conce	rvation Div	ແມ່ນໂດກ			Submit 2 (Copies	to appropriate
1000 Bin Brown Board Arter: NM 87410		h St. Franc				District	Office	in accordance o 116 on back
THE REAL PROPERTY AND A RE	-	e, NM 875			•			side of l
Release Notifi			وردادة يتفسن بالانباب الفالي محصب	ction		فكفر ويجهد بميجني الثركاة		
nMLB1122338019		OPERA	and the second se		🛛 Initi	al Report		Final Repor
Name of Company OXY USA 192463		Contact Ke						
Address 1502 W. Commerce Carlsbad, NM 88220. Facility Name Righthand Canyon 35-7		Facility Typ	No. (O) 575-628	5-4100				
					I Farma N	io. API: 30	01824	520.
		NOEDEI			T Lease 1	40. APE 30	01534	523
Unit Letter Section Township Range Feet from the		N OF REI	Feet from the	East/V	West Line	County		
35 21S 24E						Eddy		
Latitude	£	Longitud	L	<u> </u>				
	TIRE	OF RELI						
Type of Release Produced Water & Oil		Volume of	Release 800 wate	er/100	Volume I	Recovered	40	
Source of Release Gun Barrel Tank		oil Date and H	lour of Occurranc	æ		Hour of Dis	covery	
Was Immediate Notice Given?		If YES, To	Whom?	l	6-30-11 (2 4:00pm		
Yes I No I Not Re	quired.		her: NMOCD; Ji	m Amos	-BLM			, 1 1
By Whom? Kelton Beaud (Oxy)	•••••••••••••••••••••••••••••••••••••••		our See above	(1/1/11	7:15A		
Was a Watercourse Reached?		if YES, Vo	lume Impacting t	be Wete	TCOHISE.			
If a Watercourse was Impacted, Describe Fully.*		1						
					R	ECEI	VE	D
Describe Cause of Problem and Remedial Action Taken.*				<u></u>		- JUL 11	_2011	
Tank Collapsed causing fluid to be released. Vacuum Truck was	colled (to pick up rem	aining fluid.		NM	NOCD A	RTE	SIA
Describe Area Affected and Cleanup Action Taken.* Area affected was on and off of location into the pastare down the approval by the state, the area off location on top just before the ra- gather all free liquid. The affected area on the road and on location	vine wi	II be washed w	vith biodegradabl	e soap, i	A catchine	u basin will	be inst	alled to
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain re- public health or the environment. The acceptance of a C-141 repor- should their operations have failed to adequately investigate and re- or the environment. In addition, NMOCD acceptance of a C-141 r	slease n rt by th mediate	ctifications and e NMOCD ma e contaminatio	d perform correct rked as "Final Re a that pose a thre	ive actio port" do at to gro	ons for rele ies not relia und water,	ases which n we the opera- surface wat	nay end itor of l er, hum	langer liability um health
federal, state, or local laws and/or regulations.			OT CONG	17017	ATTCONT	NUTOTO	NT.	
			OIL CONS	COV		0141210	N.	
Signature:	,	Approved by E	Signed By Z	M, /4 1.	Ben Bran	ulon_	-	
Title: HES Specialist		Approval Date	AUG 1 1 20	11 _E	xpiration E	ate:		
E-mail Address: kelton_beaird@oxy.com		Conditions of A			•			
		- modiation	ner OCD Rules	5 &		Attached		
Auach Additional Sheets If Necessary	Cuide	alines SUBN	AIT REMEDIAT			2RF)-8	28
						onk 1	-	

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State of New Mexico Energy Minerals and Natural Resources

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

1220 S. St. Fran	cis Dr., Sanu	a Fe, NM 8750.	3	Sa	anta I	Fe, NM 875	05		side of form		
			Rel	ease Notifi	catio	on and Co	orrective A	ction			
						OPERA	ΓOR	🛛 Initi	al Report 🔲 Final Repor		
Name of Co	mpany	Oxy Permia	in Ltd.			Contact Christopher Jones					
Address	1502 W. C	ommerce D	r., Carlsb	ad, NM		Telephone No. (575) 628-4121					
Facility Nat	ne Righ	thand Canyo	on 35-7 S	WD Battery		Facility Typ	e Gathering				
Surface Ow	ner BLM			Mineral C	Dwner		<u> </u>	API No	0.30-015-34529(nearest well)		
<u>. </u>				LOC	ATIC	ON OF REI	FASE		·		
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County											
к	35	215	24E						Eddy County, NM		
L		210	1 274	T aéierda	<u> </u>		L		Eddy County, NW		
				Latitude		-	tude	-			
	D 1.			NAT	<u>ruri</u>	E OF REL			D 1 720111		
Type of Rele			DI C			Volume of	Release 800 bl		Recovered 720 bbls		
pumps so tan			on PLC c	aused power loss	10	01/01/2014		e Date and	Hour of Discovery		
Was Immedia		Given?				If YES, To	Whom?				
		\boxtimes	Yes 🗌	No 🗌 Not R	equired	1 Mike Brate	her-NMOCD, Jai	mes Amos-BLM			
By Whom?		Gilkey, BBC I	nternation	al			lour 01/02/2014				
Was a Water	course Read			1.57		If YES, Vo	dume Impacting t	he Watercourse.			
			Yes 🛛	No				R	ECEIVED		
If a Watercou			-						FEB 1 4 2014		
		em and Reme				- 		_			
				c and the service			oill 800 bbis of pro	oduced water onto	the ground. 720 bbls of		
Describe Are									······································		
The affected	area is appr	oximately 60'	x 100' or	location. Remed	diation	will be comple	ted in accordance	with a plan appro	ved by NMOCD and the BLM.		
regulations al public health	1 operators or the envir	are required to onment. The	o report ar acceptance	dor file certain r	elease ort by t	notifications ar	nd perform correct arked as "Final Ro	tive actions for released to the second s	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other		
			-+				OIL CONS	SERVATION	DIVISION		
Signature:	\bigcirc	6		\							
Printed Name	: Christo	pher Jones				Approved by	District Supervise	or:			
Title: HES	Specialist_			ノ		Approval Dat	e:	Expiration	Date:		
E-mail Addre	ss: Chris	topher_Jones(@oxy.com			Conditions of Approval:			Attached		
Date: 1/9	1/14		Phone:	(575) 628-412	1						
Attach Addit	ional Shee	ts If Necess									

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Leak 2

State of New Mexico Energy Minerals and Natural Resources

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

<u>.</u>			Dal	ease Notific		$\frac{1}{10000000000000000000000000000000000$	*****	ation					
			Kel	ease noun	cation	OPERA			ttial Depart		Einel Den ent		
Name of Co	mpany	Oxy Permia	n I td						itial Report		Final Report		
		Commerce Di		ad NM		Contact Christopher Jones Telephone No. (575) 628-4121							
Facility Nat		thand Canyo				Telephone No. (575) 628-4121 Facility Type SWD							
Surface Ow	mer			Mineral C	Owner			API	No. 30-015-	34529			
				LOCA	ATIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Lin	e County				
			-										
<u>K</u>	35	215	24E	l]				Eddy Co	unty, NI	M		
			1	Latitude <u>N 32.4</u>	3428°	Longitu	ıde <u>W 104.4637</u>	79°					
			•			_							
(D)	D (1	<u></u>		URE	OF REL				1.10.1	<u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Type of Rele	ase Produ	iced water & (Jil			Volume of	Release ater, 100 bbls oil		e Recovered	140 b	bis		
Source of Re	lease Gu	n Barrel Tank					lour of Occurrent		nd Hour of Di	scoverv			
									2011 @ 4:00				
Was Immedia	ate Notice (Vac 🗖	No 🗌 Not Re	a an i an d	If YES, To							
					equired	Mike Brate	cher- NMOCD, Ji	IM AMOS- BLM					
By Whom?		eard (Oxy)				Date and H	Iour 07/01/201	IP	RECEIVED				
Was a Water	course Read					If YES, Vo	olume Impacting	the Watercourse		TUECEIAER			
			Yes 🛛] No						FR 1	4 2014		
If a Watercou	urse was Im	pacted, Descri	ibe Fully.'	*		_l,	,,,						
									MAK	חמר	ARTESIA		
D 11.0	6D 11		1.1.4.4			=			- EMILIA				
Describe Cau	ISE OF PTODIC	cin and Reme	ulai Acuo	n raken."									
The collapse	of a gun ba	rrel tank cause	ed 800 bbl	s of produced wa	ter and 1	00 bbls of oi	l to leak onto the	ground. A vacu	um truck pick	ed up al	l free-		
standing fluic				-				-	-	1			
	A.CC. 1. 1	1.01											
Describe Are	a Affected a	and Cleanup A	Action Tak	ten.*						•			
The area affe	cted was on	the location a	und into th	e pasture down th	e botton	n of the slope	North of the loca	ation. Remediat	ion was comp	leted in	accordance		
with the reme	diation plar	n approved by	Mike Bra	itcher of NMOCE) via ema	ail on 11/13/2	2012 and approve	d by James Ame	os of the BLM	via em	ail on		
12/17/2012.													
I hereby certi	fy that the i	nformation ai	ven above	is true and comp	lete to th	a best of my	knowledge and u	ndovotond that n	urguant to NR		wlan and		
regulations al	l operators	are required to	report an	d/or file certain r	elease no	otifications ar	id perform correct	tive actions for	releases which	ioco r	idanger		
public health	or the envir	onment. The	acceptanc	c of a C-141 repo	ort by the	NMOCD m	arked as "Final R	eport" does not	elieve the ope	erator of	liability		
should their o	perations ha	ave failed to a	dequately	investigate and re	emediate	contaminati	on that pose a three	eat to ground wa	iter, surface w	ater, hu	man health		
or the enviror	ument. In a	ddition, NMO	CD accep	tance of a C-141	report do	pes not reliev	e the operator of	responsibility fo	r compliance	with any	/ other		
federal, state,	or locar lav	vs anu/or regu	liai lians	analise and a second give a second later have the second second second second second second second second second					NIDBUC				
	/ *//	- Jon					UIL CON	<u>SERVATIO</u>	N DIVISI	JN			
Signature:	A	$\leq $											
	\sim	$1 \downarrow \nabla$				Approved by	District Supervise	or;					
Printed Name	: Christo	pher Jones											
Title: HES	Specialist					Approval Dat	<u>A</u>	Expiratio	n Date:				
rue, neo	opeorarist					Approval Dat	u						
E-mail Addre	ss: Chris	topher_Jones(@oxy.com	l	(Conditions of	Approval:		A 1				
11	12 Jul	/							Attached				
Date: 0/1	<u>+117</u>	· .	Phone:	(575) 628-412	1								
Attach Addit	ional Shee	ts II Necessa	iry										

Leak 1

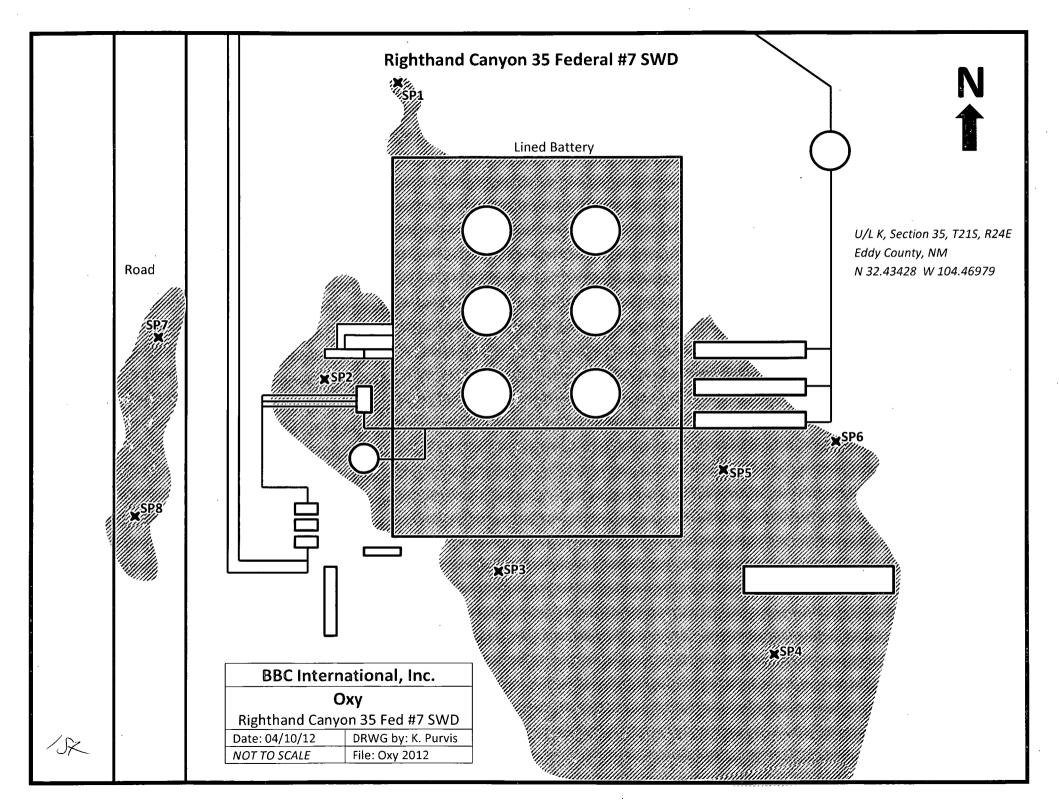
State of New Mexico Energy Minerals and Natural Resources

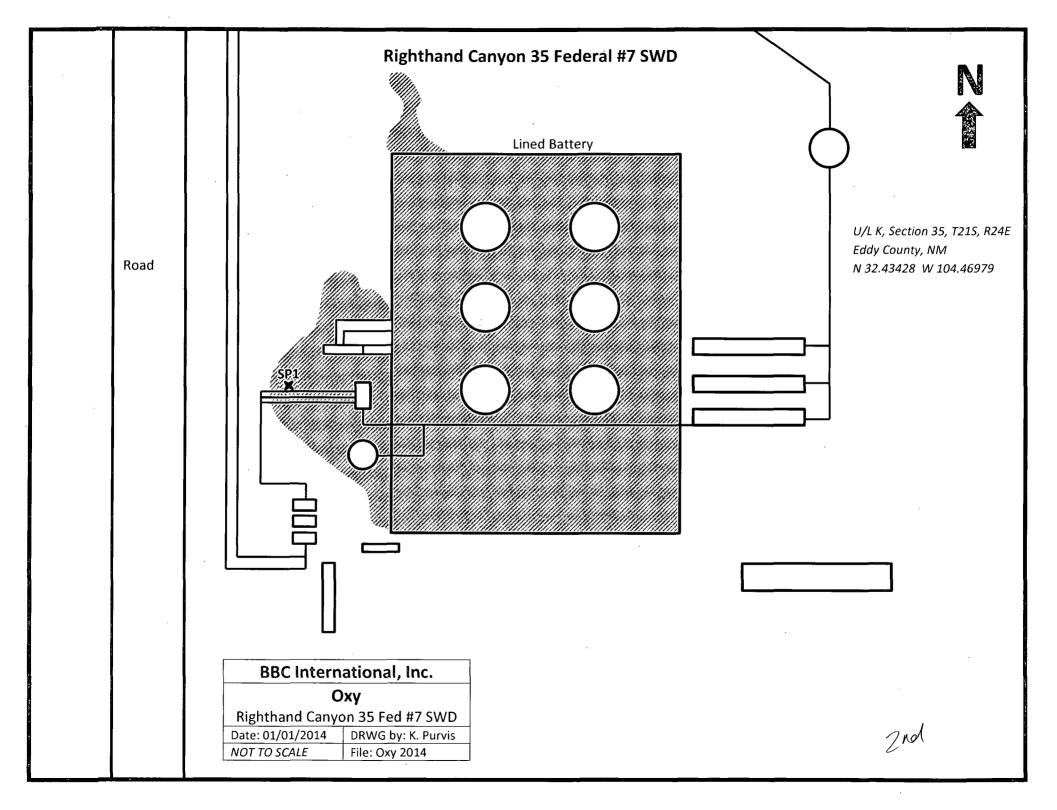
Form C-141 Revised October 10, 2003

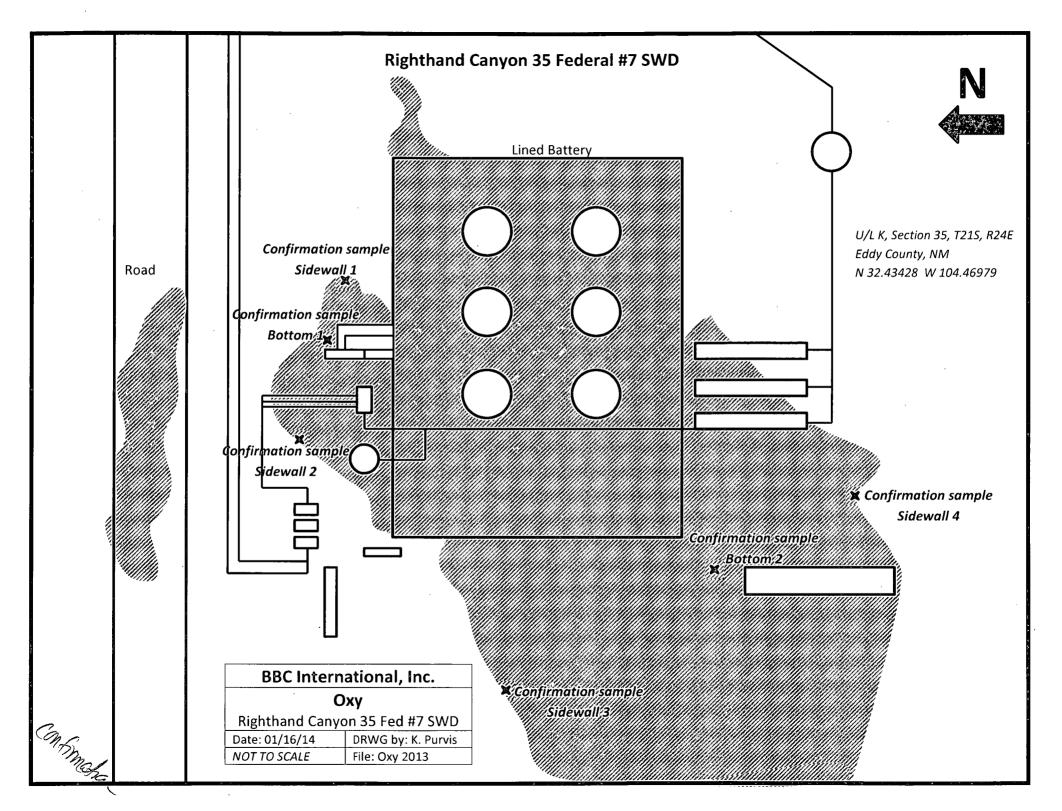
District III 1000 Rio Brazo District IV 1220 S. St. Fran	os Road, Azte	, ,		1220) Sou	nservation Division outh St. Francis Dr. ta Fe, NM 87505					in accordanc	
			Rel	ease Notifi	catio	n and Co	orrective A	ction				
						OPERA	TOR	Ľ	Initia	al Report	\boxtimes	Final Repo
Name of Co	mpany	Oxy Permi	in Ltd.				Christopher Jone	=		•		
		ommerce D	r., Carlsb	ad, NM		Telephone 1						
Facility Na	me Righ	thand Canyo	on 35-7 S	WD Battery		Facility Typ	e Gathering					,
Surface Ow	DIM			Mineral	<u>)</u>		····		ADINA	20.015.2	1500/-	earest well)
Surface Ow				l					API NO	.30-013-3-	+5 <u>29(n</u>	earest wen
Unit Letter	Section	Township	Range	LOCA Feet from the	-	N OF REI	LEASE Feet from the	East/We	ot Line	County		
Unit Letter	Unit Letter Section Township Range Feet from the North						reet from the	East/we	st Line	County		
K	35	21S	24E							Eddy Cou	nty <u>,</u> NA	1
				Latitude		Longi	tude	_				
				NAT	URE	E OF REL	EASE					
Type of Rele	ase Produ	iced water				Volume of	Release 800 b	bls V	/olume F	Recovered	720 bl	ols
Source of Re pumps so tar			on PLC c	aused power loss	to	Date and H 01/01/2014	four of Occurrent	ce I	Date and	Hour of Dis	covery	
Was Immedi	ate Notice (Yes [] No 🗌 Not R	equired	If YES, To Mike Brate	Whom? her-NMOCD, Ja	mes Amos	-BLM			
By Whom?	Jennifer (Gilkey, BBC I	Internation	al		Date and H	Jour 01/02/201	4 @ 1:58	n m			
Was a Water		ched?	Yes 🛛				olume Impacting			•		
A bad service	e card on the		a power l	n Taken.* oss to the pumps k and the service			pill 800 bbls of p	roduced wa	ater onto	the ground.	720 bl	ols of
Describe Are The affected of NMOCD	a Affected a area is appr via email on fy that the i	and Cleanup A oximately 60 ³ 11/13/2012 a nformation gi	Action Tal ' x 100' or ind approv	ken.* 1 location. Remen yed by James Amo e is true and comp	liation os of th lete to	was completed e BLM via em	ail on 12/17/2012 knowledge and u	2. inderstand	that purs	uant to NM	OCD n	iles and
public health should their c	or the envir perations h ment. In a	onment. The ave failed to a ddition. NMC	acceptance acceptance acceptance acceptance acceptance acceptance	nd/or file certain r ce of a C-141 report investigate and r otance of a C-141	ort by tl emedia	te NMOCD ma te contaminatio	arked as "Final R on that pose a thr	eport" doe eat to grou responsibil	s not reli nd water ity for co	eve the open , surface wa ompliance w	rator of iter, hur vith any	liability nan health
Signature:	L					Annroved hu	District Supervis					
Printed Name	e: Christo	pher Jones										
Title: HES	Specialist					Approval Dat	e:	Ex	piration I	Date:		
E-mail Addre Date: 24	ss: <u>Chris</u> 17-14	topher_Jones(@oxy.com Phone:		1	Conditions of Approval: Attached						

* Attach Additional Sheets If Necessary

Leak 2



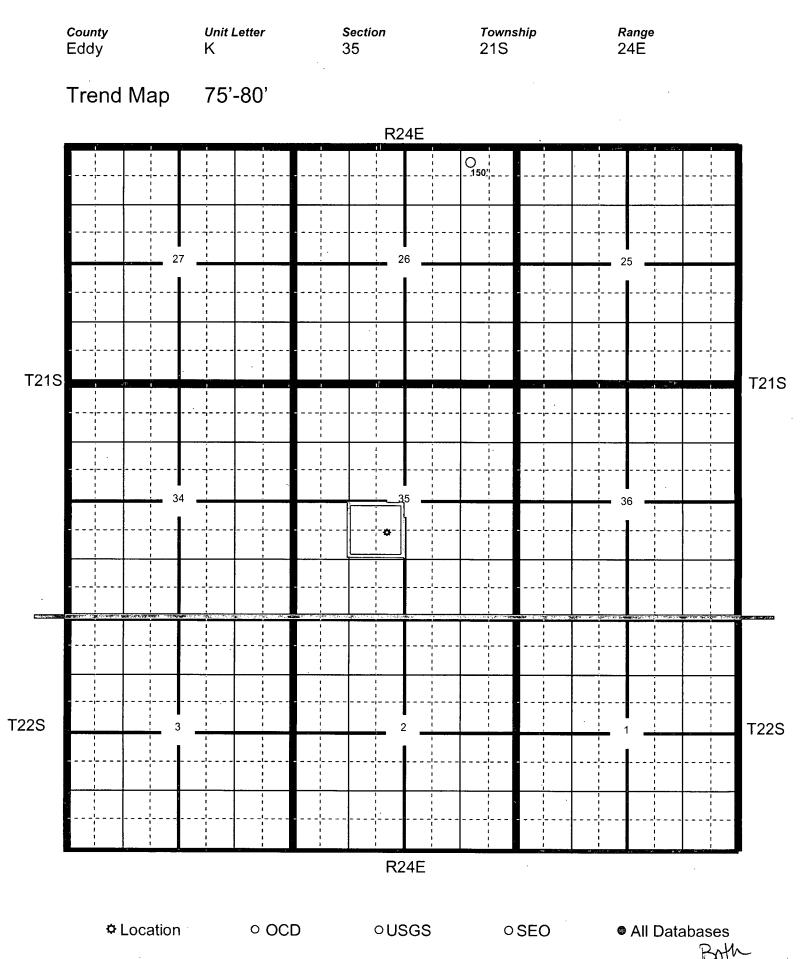






Groundwater Plot

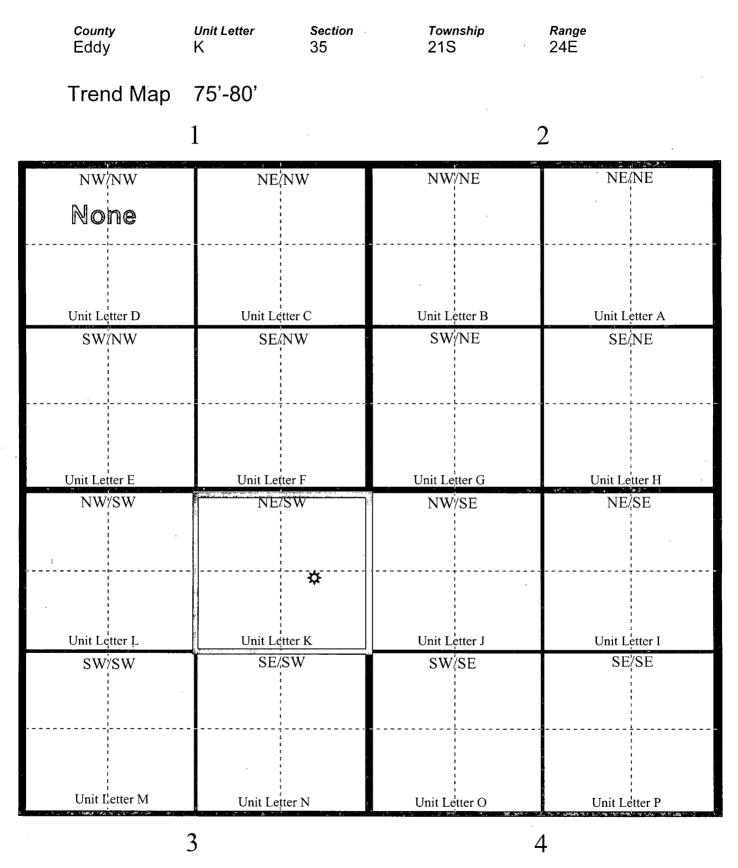
Oxy Righthand Canyon 35-7 SWD Btry





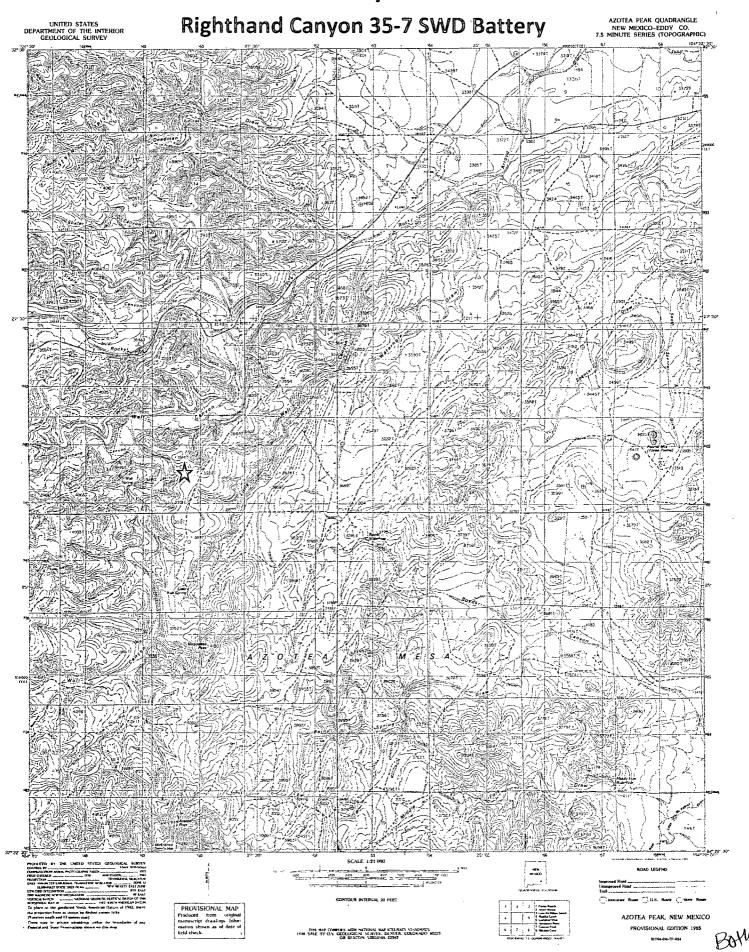
Section Quarters

Oxy Righthand Canyon 35-7 SWD Btry



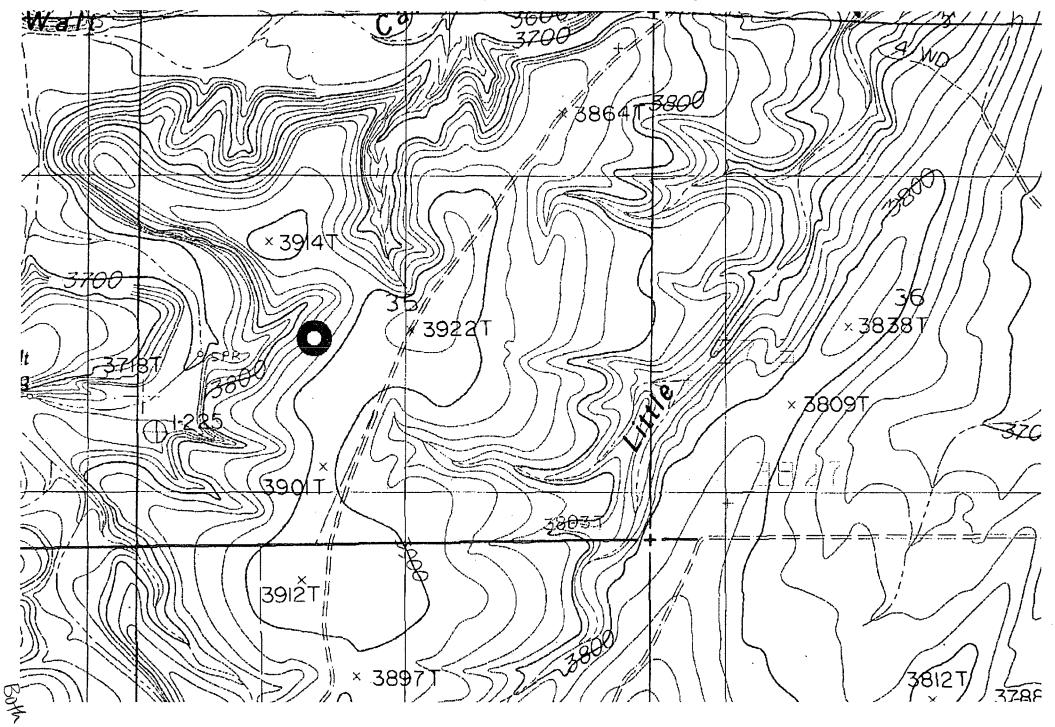
Location

Oxy



Оху

Righthand Canyon 35-7 SWD Battery



Laboratory Analytical Results Summary Right Hand Canyon 35-7 SWD

		Sample	SP1 @ Surface	SP1 @ 1 ft	SP2 @ Surface	SP2 @ 1 ft	SP3 @ Surface	SP3 @ 1 ft	SP4 @ Surface	SP4 @ 1 ft
Analyte	Method	Date	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	<0.050	<0.050	<0.050	< 0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	<0.050	<0.050	<0.050	< 0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.056
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		256	<16.0	576	80.0	<1 6.0	32.0	96.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<50.0	<10.0	<50.0	<10.0	<10.0	<10
DRO	TPH 8015M		556	748	8110	218	8390	863	2360	1690

		Sample	SP5 @ Surface	SP5 @ 1 ft	SP6 @ Surface	SP6 @ 1 ft	SP7 @ Surface	SP7 @ 1 ft	SP8 @ Surface	SP8 @ 1 ft
Analyte	Method	Date	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	0.167	<0.150
Chloride	SM4500CI-B		560.0	80.0	400	144	<16.0	<16.0	192	32.0
GRO	TPH 8015M		<10.0	<10.0	60.9	14.1	<10.0	<10.0	61.0	11.3
DRO	TPH 8015M		2390	1770	20300	3310	209	<10.0	40600	522

Laboratory Analytical Results Summary Righthand Canyon 35-7 SWD Battery

.

		Sample	SP1 @ SURFACE	SP1 @ 6"	SP1 @ 1'
Analyte	Method	Date	1/3/14	1/3/14	1/3/14
			mg/Kg	mg/Kg	mġ/Kġ
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		880	80	48
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		244	29.5	24.7

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Laboratory Analytical Results Summary Righthand Canyon 35-7

Confirmation		Sample	SIDEWALL 1	SIDEWALL 2	SIDEWALL 3	SIDEWALL 4
Analyte	Method	Date	1/10/14	1/10/14	1/10/14	1/10/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		240	224	<16.0	240
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		903	1240	16.7	525

		Sample	воттом 1	BOTTOM 2
Analyte	Method	Date	1/10/14	1/10/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride ·	SM4500CI-B		224	144
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		836	280

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April 12, 2012

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

RE: RIGHT HAND CANYON 35-7 SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 10:05.

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 www.tceq.texas.gov/field/qa/lab 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)

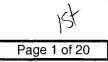
Accreditation applies to public drinking water matrices.

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,

Celez 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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ SURFACE (H200800-01)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 103 % 64.4-134

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	556	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	108	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	127	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ 1 FT (H200800-02)

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	04/11/2012	ND	1.98	99.2	2.00	1,30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 110 % 64.4-134

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	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	748	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	110	% 55.5-15	4				·		
Surrogate: 1-Chlorooctadecane	139	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE-GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ SURFACE (H200800-03)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ßS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99,2	2.00	1.30	• •
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	•
Ethylbenzene*	<0.050	0.050	04/11/2012	ND ·	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	102	% 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	576	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/12/2012	ND	197	98.7	200	3.96	

ND

221

110

200

12.5

04/12/2012

DRO >C10-C28 Surrogate: 1-Chlorooctane 123 % 55.5-154 325 % 57.6-158 Surrogate: 1-Chlorooctadecane

8110

50.0

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Celey D. Keene, Lab Director/Quality Manager



BBC Interna	ational, Inc.
Cliff Brunso	n
P.O. Box 80)5
Hobbs NM,	88241
Fax To:	(505) 397-0397

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ 1 FT (H200800-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	104 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	80.0	16.0	04/11/2012	ND	400	100	400	3.92	
трн 8015м	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
		10.0	04/11/2012	ND	197	98.7	200	3.96	
GRO C6-C10	<10.0	10.0	0 1/ 11/ 2012						

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Surrogate: 1-Chlorooctadecane

147 %

57.6-158

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ SURFACE (H200800-05)

BTEX 8021B	mg,	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1,30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 100 % 64.4-134

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	04/11/2012	ND	400	100	400	3.92	
ТРН 8015М	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	· 50.0	04/12/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	8390	50.0	04/12/2012	ND	221	110	200	12.5	
Surrogate; 1-Chlorooctane	130	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	329	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ 1 FT (H200800-06)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	101 9	64.4-13							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	863	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	120 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	132 9	6 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ SURFACE (H200800-07)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2,00	1.75	
Ethylbenzene*	< 0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	101	% 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	96.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	2360	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	118 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	129 \$	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ 1 FT (H200800-08)

BTEX 8021B	mg/	kg	Analyze	d By: AP	·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	0.056	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	122 9	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	48.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	.98.7	200	3.96	
DRO >C10-C28	1690	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	116 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	126 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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ SURFACE (H200800-09)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND .	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 101% 64.4-134

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	2390	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	115	% 55.5-15	4	,					
Surrogate: 1-Chlorooctadecane	128	% 57.6-15	8						

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Celey Di 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:	. 04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ 1 FT (H200800-10)

BTEX 8021B	mg/	kg	Analyze	d By: AP		-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 64.4-13	4						
Chloride, SM4500Cl-8	mg/	kg .	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	1770	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	120	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	126	% 57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ SURFACE (H200800-11)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

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	400	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	60.9	50.0	04/12/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	20300	50.0	04/12/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	130 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	331 %	6 57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ 1 FT (H200800-12)

BTEX 8021B	mig/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 64.4-13	4	···· , <u>*</u>					
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/11/2012	ND	400	100	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	14,1	10.0	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	3310	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	118 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	119 9	% 57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ SURFACE (H200800-13)

BTEX 8021B	· mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

Surrogate: 4-Bromofluorobenzene (PIL 103 % 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	<16.0	16.0	04/11/2012	ND	400	100	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	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	209	10.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	urrogate: 1-Chlorooctane 106 %		4						
Surrogate: 1-Chlorooctadecane	133	% 57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ 1 FT (H200800-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	< 0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ßS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/11/2012	ND	400	100	400	3.92	
ТРН 8015М	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	<10.0	10.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	115 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	143 %	6 57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ SURFACE (H200800-15)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	0.167	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	103 %	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	192	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	61.0	50.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	40600	50.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	102 %	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	613 %	57.6-15	8						

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ 1 FT (H200800-16)

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	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050 0.050		04/12/2012	ND 2.2		114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 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	32.0	16.0	04/11/2012	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					· .
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.3	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	522	10.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	103 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	128 9	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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Page 18 of 20



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101 East Marland, Hobbs, NM 88240

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

Company Name: BBC International, Inc.						ß	811	LTO	г ср. н. н. 				ANAL	_YSIS	S RE	QUE	ST		
Project Manage	r: Cliff Brunson				Ρ.0	D. #:													
Address: P.O.	Box 805				C٥	mpany:													
city: Hobbs	State: NM	Zip	: 8	8241	Attn:														
Phone #: 575-	none #: 575-397-6388 Fax #: 575-397-0397						Address:									:			
Project #:	Project Owner				Cit	ty:													
Project Name:	Right- brand Canyon	<u>.</u>	5-	TEWP	Sta	ate:		Zip:											
Project Locatio					Ph	one #:					~								
Sampler Name:		1		·	Fa	x #:					5.24								
FOR LAB USE ONLY				MATRIX	-	PRESER	<u>v</u> I	SAMPLI	NG		5]		
Lab I.D. H <u>2008ID</u>	Sample I.D.	C)OMP.			OTHER :	ACID/BASE: JCE / COOL	OTHER :	DATE	TIME	-10	TPH &C	RTEX							
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Q	5P3@1F+	2	1		-	X		"	1.250	X	X	<u> </u>	 	·····]	
1	5Py Surface	2		<u> X</u>			_		115	<u>×</u>	<u>_k</u>	X	 					 	
	BSPUCIFF 91 X					$ \rightarrow \rangle$		"	129	$\frac{\lambda}{\Box}$	X	X	 					 	
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	10 5P 5 CV 1 P+ 3 V X												 	ļ			L	l	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

TELESS (Note: Exemption of the analysis) can utality and utality and utality and the approximation and the approximation of the approxi

alliliates or successors erising out of or related to the performance of services hereurger by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Add'l Phone #: Add'l Fax #: Relinguished By: Received By: Phone Result: C Yes CI No Date Fax Result: □ Yes □ No REMARKS: Time: 5 Oc AN EMAIL ALL Relinquished By: Date: Received By 992 1 24 65 12 CHECKED BY: Delivered By: (Circle One) Sample Condition Cool Intact (Initials) Ĕ Sampler - UPS - Bus - Other: 5 初

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Company Name	company Name: BBC International. Inc.					BILL TO ANALYSIS REQUEST												
	r: Cliff Brunson				Ρ.0	0. #:												
Address: P.O.	Box 805				Co	mpany:												
city: Hobbs	State: NM	Zip	<u>): </u> 8	38241	Attn:													
Phone #: 575-	ne #: 575-397-6388 Fax #: 575-397-0397					Address:]									
Project #:	oject #: Project Owner: O xu				Cit	ty:												
Project Name:	Righthand Cauyou 3	5.	2	SUD	Sta	ate:	Zip:		1	17								
Project Locatio	Project Location: Crelsback WM			Ph	ione #:]	2									
Sampler Name:	_ Jordan WoodF	ili		<u>.</u>	_	x #:			, i	12								
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMPL	ING		0	$ \mathcal{A} $							
		IVIO(S		1			•		60	$ \mathcal{V} $							ļ
Lab I.D.	Sample I.D.	0 8	INER	ATE	1	ü, J				T	197							
Lub IID.	oumpio nei	ABO	NTA	UN UN UN UN	۱ <u>۳</u>	BAS COC		i i	$ \cup$	P	1.2							
HZDOZDE		G)R	00 #	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	臣	ACID/BASE: ICE / COOL OTHER :	DATE	TIME	[1								
1)	3P4 SAFFALL	59		MII	Ī	XL	4-5-2	215	\times	K	X							
	SP461Ft	ŝ	L	1/21	1	IX.	J :	237	X	K	X							
	SP7 Suifack	9	1	121		IXi	1 i	249	X	X	X.	 						
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alifiates or successors anising out of or related to the performance of services hereurder by Carolinal regardless of amether such chimits based upon any of the appre stated reasons or otherwase. Phone Result: Relinguished By: Date: Received By: □ Yes □ No 'Add'l Phone □ Yes □ No :Add'l Fax #: 'Add'l Phone #: Fax Result: Time: REMARKS: dep EMAIL ALL 10 **Relinguished By:** Date: Received By: 21-6-12 Time: cort. CHECKED BY: Delivered By: (Circle One) Sample Condition Cool Intact (Initials) Yes Yes Sampler - UPS - Bus - Other:

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



January 13, 2014

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

RE: RIGHT HAND CANYON 35

Enclosed are the results of analyses for samples received by the laboratory on 01/07/14 8:15.

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

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

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

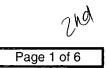
Accreditation applies to public drinking water matrices.

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

Sincerely,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager





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

Received:	01/07/2014	Sampling Date:	01/03/2014	
Reported:	01/13/2014	Sampling Type:	Soil	
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	INDIAN BASIN			

Sample ID: SP 1 @ SURFACE (H400039-01)

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	01/09/2014	ND	1.86	93.1	2.00	2.40	
Toluene*	< 0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54	
Total BTEX	<0.300	0.300	01/09/2014	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	880	16.0	01/09/2014	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	01/08/2014	ND	175	87.7	200	2.38	
DRO >C10-C28	244	10.0	01/08/2014	ND	180	90.1	200	1.19	
Surrogate: 1-Chlorooctane	83.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.3	% 63.6-15	4						

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*=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 claims, including those for negligence and inducing, 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 claims based by one stated reasons or otherwise. Results relate only to the samples identified above. This reproduced except in full with intern approval of cardinal laboratives.

Celey D. Kuna

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/07/2014	Sampling Date:	01/03/2014
Reported:	01/13/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 6" (H400039-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.63	93.8	6.00	2.42	
Total BTEX	<0.300	0.300	01/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	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	80.0	16.0	01/09/2014	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	01/08/2014	ND	175	87.7	200	2.38	
DRO >C10-C28	29.5	10.0	01/08/2014	ND	180	90.1	200	1.19	
Surrogate: 1-Chlorooctane	90.3 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0%	63.6-15	4						

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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: (575) 397-0397

Received:	01/07/2014	Sampling Date:	01/03/2014
Reported:	01/13/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SP 1 @ 1' (H400039-03)

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	01/09/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.63	93.8	6.00	2.42	
Total BTEX	<0.300	0.300	01/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 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	48.0	16.0	01/09/2014	ND	416	104	400	0.00	
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	<10.0	10.0	01/08/2014	ND	175	87.7	200	2.38	

ND

180

90.1

200

1.19

01/08/2014

 Surrogate:
 1-Chlorooctane
 83.7 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 86.9 %
 63.6-154

24.7

10.0

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DRO >C10-C28

*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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January 14, 2014

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

RE: RIGHT HAND CANYON 35

Enclosed are the results of analyses for samples received by the laboratory on 01/13/14 16:15.

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

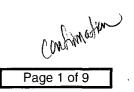
Accreditation applies to public drinking water matrices.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager





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

Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SIDEWALL 1 (H400109-01)

BTEX 80218	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	01/14/2014	ND	1.97	98.7	2.00	5.22	
Toluene*	<0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
Ethylbenzene*	<0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
Total Xylenes*	<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
Total BTEX	<0.300	0.300	01/14/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 105 % 89.4-126

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/14/2014	ND	432	108	400	7.14	
TPH 8015M	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/14/2014	ND	209	105	200	6.89	
DRO >C10-C28	903	10.0	01/14/2014	ND	233	116	200	1.72	

Surrogate: 1-Chlorooctadecane 97.2 % 63.6-154

Cardinal Laboratories

*=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: (575) 397-0397

Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN	•	

Sample ID: SIDEWALL 2 (H400109-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2014	ND	1.97	98.7	2.00	5.22	
Toluene*	<0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
Ethylbenzene*	<0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
Total Xylenes*	<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
Total BTEX	<0.300	0.300	01/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 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	224	16.0	01/14/2014	ND	432	108	400	7.14	
TPH 8015M	mg/	kg	Analyze	d By: ms					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/14/2014	ND	209	105	200	6.89	
DRO >C10-C28	1240	10.0	01/14/2014	ND	233	116	200	1.72	
Surrogate: 1-Chlorooctane	101 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	158 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celen Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SIDEWALL 3 (H400109-03)

mg/kg		Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	01/14/2014	ND	1.97	98.7	2.00	5.22	
<0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
<0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
<0.300	0.300	01/14/2014	ND					
	Result <0.050 <0.050 <0.050 <0.150	Result Reporting Limit <0.050	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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

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	01/14/2014	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	01/14/2014	ND	209	105	200	6.89	
DRO >C10-C28	16.7	10.0	01/14/2014	ND	233	116	200	1.72	
Surrogate: 1-Chlorooctane	88.2	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: SIDEWALL 4 (H400109-04)

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	01/14/2014	ND	1.97	98.7	2.00	5.22	
Toluene*	< 0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
Ethylbenzene*	< 0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
Total Xylenes*	<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
Total BTEX	<0.300	0:300	01/14/2014	ND					

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP		•			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/14/2014	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	01/14/2014	ND	209	105	200	6.89	
DR0 >C10-C28	525	10.0	01/14/2014	ND	233	116	200	1.72	

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: BOTTOM 1 (H400109-05)

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	01/14/2014	ND	1.97	98.7	2.00	5.22	
Toluene*	<0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
Ethylbenzene*	<0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
Total Xylenes*	<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
Total BTEX	<0.300	0.300	01/14/2014	ND					. ⁵⁶
					·				

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

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/14/2014	ND	432	108	400	7.14	
TPH 8015M mg/kg		Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/14/2014	ND	209	105	200	6.89	
DRO >C10-C28	836	10.0	01/14/2014	ND	233	116	200	1.72	
Surrogate: 1-Chlorooctane	93.9	% 65.2-14	0			····			
Surrogate: 1-Chlorooctadecane	151	% 63.6-15	4						

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Celen & Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/13/2014	Sampling Date:	01/10/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	INDIAN BASIN		

Sample ID: BOTTOM 2 (H400109-06)

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	01/14/2014	ND	1.97	98.7	2.00	5.22	
Toluene*	<0.050	0.050	01/14/2014	ND	1.91	95.6	2.00	6.25	
Ethylbenzene*	<0.050	0.050	01/14/2014	ND	1.95	97.7	2.00	5.02	
Total Xylenes*	<0.150	0.150	01/14/2014	ND	5.73	95.4	6.00	4.47	
Total BTEX	<0.300	0.300	01/14/2014	ND					

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

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/14/2014	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/14/2014	ND	209	105	200	6.89	
DR0 >C10-C28	280	10.0	01/14/2014 ND		233	116	200	1.72	

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Celen D. Kune

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 9

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ARDINAL LABORATORIES

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city: Hobbs	State: NM	Zip:	88241	1	A	ttn:					1	ŀ .			7	·	1.	ľ		1.	ŀ. ,
Phone #: 575-	397-6388 Fax #: 575	5-397-0	0397		A	ddres	ss: <	ZAN	F			1	ŀ.~		1	1 .			l.	l.	
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inal cannot accept verbal changes. Please fax written changes to 505-393-24 ##5#

Kathy Purvis

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Tuesday, November 13, 2012 2:19 PM
То:	Cliff P. Brunson
Cc:	Chris Jones; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject:	RE: Oxy-Righthand Canyon 35 Federal #7 SWD

Reference: OXY USA * Right Hand Canyon 35-7 * 30-015-34529 * K-35-21s-24e * Eddy County, New Mexico OCD Tracking Number: 2RP-828 * Date of release: 6/30/11

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 are to be submitted to OCD.
- Obtain representative confirmation samples of bottom and sidewalls of excavation.
- Obtain approval prior to backfilling excavations.
- Submit a closure report and Form C-141 marked Final Report upon satisfactory completion of project.
- Approval by BLM or any other regulatory authority as may be applicable.

As discussed, it is OCD's understanding that the areas identified as SP7 and SP8 are situated on the access road. OXY indicates that it is not practicable to excavate in these areas due to the steep grade of the road.

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, or local laws and/or regulations.

If you have any questions or concerns, and for notification, 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: Sunday, September 23, 2012 5:21 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject: Oxy-Righthand Canyon 35 Federal #7 SWD

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 Righthand Canyon 35 Federal #7 SWD. As agreed, Oxy will excavate 1 foot across the spill area except in the areas covered by SP4 - SP6 which will be excavated to a depth of 2 feet as depicted on the attached site diagram. In addition, the impacted soil inside the battery containment will be removed off the liner and replaced with clean material. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 75 to 80 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

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Kathy Purvis

From:	Amos, James <jamos@blm.gov></jamos@blm.gov>
Sent:	Monday, December 17, 2012 11:13 AM
То:	Cliff P. Brunson
Cc:	Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: Oxy Righthand Canyon 35 Federal #7 SWD - remediation plan

Everyone,

Looking at the numbers, it appears that the delineation reached failure. Excavation of the site will most likely achieve the same. I would like to excavate to failure, remove as must material as possible. Let the excavation air out for a little while prior to closure. With the low chloride level we may want to treat the remaining TPH with Micro Blaze or other products. Keep me in the loop as far as start date and when the excavation is completed.

Thanks,

J. Amos

On Sun, Dec 16, 2012 at 4:46 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jim,

This message is to request the BLM's approval for Oxy's proposed remediation plan that is attached. I have included the NMOCD's approval and a site diagram that depicts the sample points, a lab data summary table, and the original lab data. Oxy proposed to excavated the impacted soil to depth of 1 foot in the areas that are represented by SP1, SP2, SP3, SP7, and SP8 (SP7 and SP8 are in the road downhill from the battery). In the area that is represented by SP4, SP5, and SP6, the soil will be excavated to a depth of 2 feet. In addition, the impacted gravel inside the lined battery will be removed and replaced. All excavated areas will be backfilled with clean appropriate material.

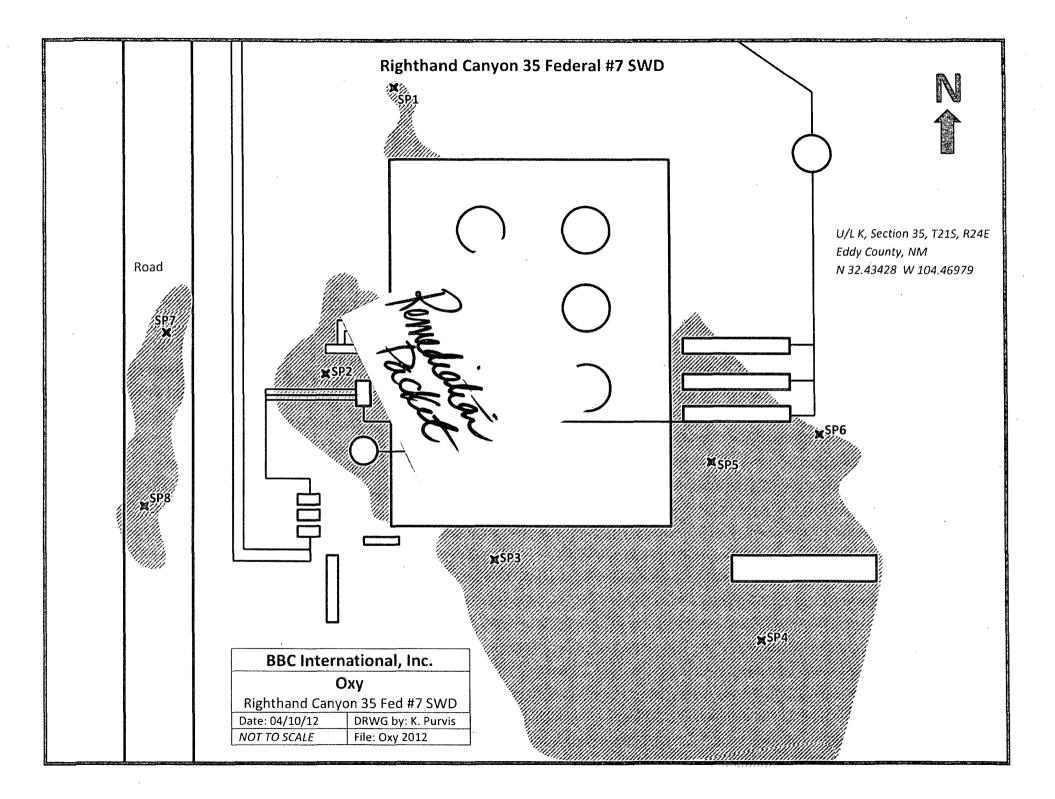
If you would please respond back via e-mail with your approval, it would be greatly appreciated. If you have any questions, please let us know.

Thank you,

Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. 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: <u>cbrunson@bbcinternational.com</u>

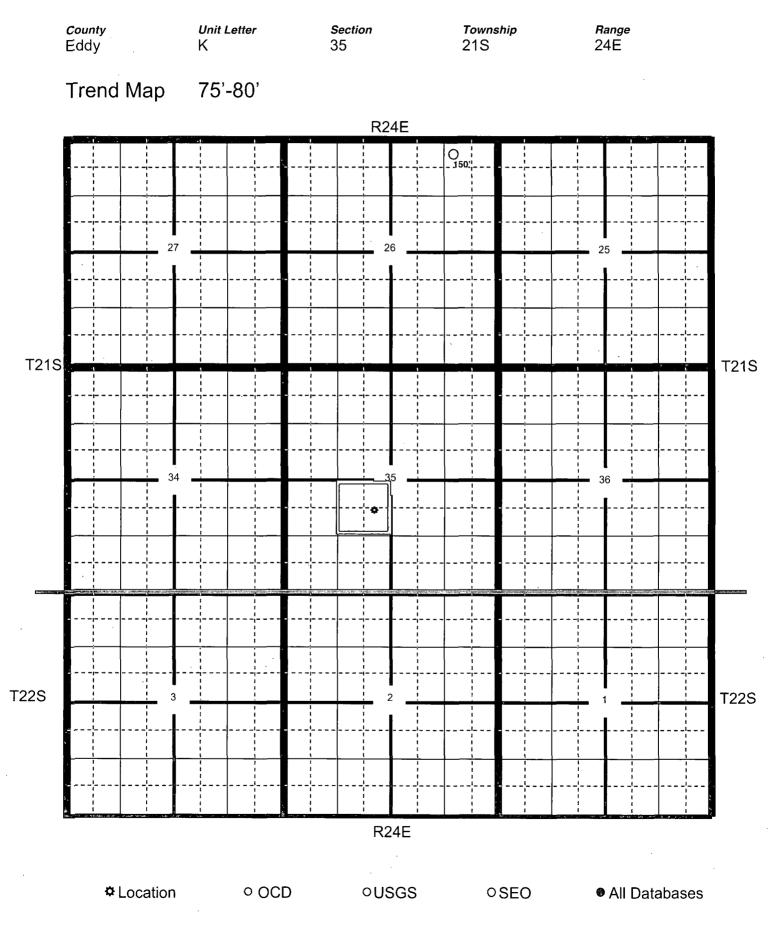
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Groundwater Plot

Oxy Righthand Canyon 35 Fed #7





Section Quarters

Oxy Righthand Canyon 35 Fed #7

<i>County</i> Eddy	Unit Letter So K 3	ection Township 5 21S	<i>Range</i> 24E
Trend Map	75'-80'		
	1		2
NW/NW	NE/NW	NW/NE	NE/NE
None			
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
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

Contine Location

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Laboratory Analytical Results Summary Right Hand Canyon 35-7 SWD

		Sample	SP1 @ Surface	SP1 @ 1 ft	SP2 @ Surface	SP2 @ 1 ft	SP3 @ Surtace	SP3 @ 1 ft	SP4 @ Surface	SP4 @ 1 ft
Analyte	Method	Date	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050	<0.050	< 0.0 50	0.056
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		256	<16.0	576	80.0	<16.0	32.0	96.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<50.0	<10.0	<50.0	<10.0	<10.0	<10
DRO	TPH 8015M		556	748	8110	218	8390	863	2360	1690
	-			_						
		Sample	SP5 @ Surface	SP5 @ 1 ft	SP6 @ Surface	SP6 @ 1 ft	SP7 @ Surface	SP7 @ 1 ft	SP8 @ Surface	SP8 @ 1 ft
Analyte	Method	Date	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12	4/5/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	< 0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	0.167	<0.150
Chloride	SM4500CI-B		560.0	80.0	400	144	<16.0	<16.0	192	32.0
GRO	TPH 8015M		<10.0	<10.0	60.9	14.1	<10.0	<10.0	61.0	11.3
			10.0	10.0			10.0	10.0	• • • •	

April 12, 2012

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

RE: RIGHT HAND CANYON 35-7 SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 10:05.

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 www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Celez 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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ SURFACE (H200800-01)

mg/kg		Analyzed By: AP						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
-	Result <0.050 <0.050 <0.050	Result Reporting Limit <0.050	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Surrogate: 4-Bromofluorobenzene (PIL 103 % 64.4-134

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	556	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	108	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	127	% 57.6-15	8						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 1 @ 1 FT (H200800-02)

BTEX 8021B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	110	% 64.4-13	4						
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	<16.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	748	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	110	% 55.5-15	4	•					
Surrogate: 1-Chlorooctadecane	139	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ SURFACE (H200800-03)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	102 %	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	04/11/2012	ND	400	100	400	3.92		
TPH 8015M	mg/kg		Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	04/12/2012	ND	197	98.7	200	3.96		
DRO >C10-C28	8110	50.0	04/12/2012	ND	221	110	200	12.5		
Surrogate: 1-Chlorooctane	123	% 55.5-15	4							
Surrogate: 1-Chlorooctadecane	325	% 57.6-15	8							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 2 @ 1 FT (H200800-04)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	104 9	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	Qualifie
Chloride	80.0	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	218	10.0	04/11/2012	ND	-221	110	200	12.5	
Surrogate: 1-Chlorooctane	114 9	% 55.5-15	4					<u>.</u>	

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Surrogate: 1-Chlorooctadecane

147 %

57.6-158

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ SURFACE (H200800-05)

BTEX 8021B	mg,	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 100 % 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	<16.0	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/12/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	8390	50.0	04/12/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	130	% 55.5-15	4	· ·					
Surrogate: 1-Chlorooctadecane	329	% 57.6-15	8				•		

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 3 @ 1 FT (H200800-06)

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	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	101 9	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	32.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	863	10.0	04/11/2012	. ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	120 9	% 55.5-15	4						
Surrogate: I-Chlorooctadecane	132 9	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ SURFACE (H200800-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2,10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	101 9	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	96.0	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	2360	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	118	% 55.5-15	4						

Surrogate: 1-Chlorooctadecane 129 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 4 @ 1 FT (H200800-08)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anałyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	0.056	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	
Surrogate: 4-Bromofluorobenzene (PIL	122 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	Qualifie
Chloride	48.0	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg ·	Analyze	d By: MS		<u></u> ,	. <u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	04/11/2012	ND	197	98.7	200	3.96	
		10.0	04/11/2012	ND	221	110	200	12.5	

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Surrogate: 1-Chlorooctadecane

126 %

57.6-158

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ SURFACE (H200800-09)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 101% 64.4-134

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/11/2012	ND	400	100	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	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	2390	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	115	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	128	% 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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 5 @ 1 FT (H200800-10)

BTEX 8021B	mg,	/kg	Analyze	d By: AP			· · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2012	ND	1.98	99.2	2.00	1.30	
Toluene*	<0.050	0.050	04/11/2012	ND	2.09	105	2.00	1.75	
Ethylbenzene*	<0.050	0.050	04/11/2012	ND	2.10	105	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/11/2012	ND	6.57	109	6.00	1.67	

Surrogate: 4-Bromofluorobenzene (PIL 102 % 64.4-134

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/11/2012	ND	400	100	. 400	3.92	
ТРН 8015М	mg,	/kg	Analyze	d By: MS				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2012	ND	197	98.7	200	3.96	
DRO >C10-C28	1770	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	120	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	126	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ SURFACE (H200800-11)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

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

Chloride, SM4500Cl-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	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	60.9	50.0	04/12/2012	ND	197	98.7	200	3,96	
DRO >C10-C28	20300	50.0	04/12/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	130 \$	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	331 9	% 57.6-15	8			,			

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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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 6 @ 1 FT (H200800-12)

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	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
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	144	16.0	04/11/2012	ND	400	100	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	14.1	10.0	04/11/2012	ND	197	98.7	200	3.96 .	
DRO >C10-C28	3310	10.0	04/11/2012	ND	221	110	200	12.5	
Surrogate: 1-Chlorooctane	118 %	55.5-15	4						
Surrogate: 1-Chlorooctadecane	119 %	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ SURFACE (H200800-13)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2,00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	103 \$	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	<16.0	16.0	04/11/2012	ND	400	100	400	3.92	
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	<10.0	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	209	10.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	106 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	133 9	57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 7 @ 1 FT (H200800-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anałyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Anaiyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/11/2012	ND	400	100	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	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	<10.0	10.0	04/12/2012	ND	234	117	200	15.1	

Surrogate: 1-Chlorooctadecane

115 %

143 %

55.5-154

57.6-158

Surrogate: 1-Chlorooctane

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	04/09/2012	Sampling Date:	04/05/2012	
Reported:	04/12/2012	Sampling Type:	Soil	
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	CARLSBAD, NEW MEXICO			

Sample ID: SP 8 @ SURFACE (H200800-15)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2012	ND	2.13	107	2.00	4,72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	0.167	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	103 %	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	192	16.0	04/11/2012	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	61.0	50.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	40600	50.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: I-Chlorooctane	102 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	613 %	6 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:	04/09/2012	Sampling Date:	04/05/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	RIGHT HAND CANYON 35-7 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CARLSBAD, NEW MEXICO		

Sample ID: SP 8 @ 1 FT (H200800-16)

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	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	<0.050	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	<0.050	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	<0.150	0.150	04/12/2012	ND	7.11	118	6.00	5.72	
Surrogate: 4-Bromofluorobenzene (PIL	110 \$	% 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	32.0	16.0	04/11/2012	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.3	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	522	10.0	04/12/2012	ND	234	117	200	15.1	
Surrogate: 1-Chlorooctane	103 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	128 9	% 57.6-15	8						

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BBC International, Inc.					ľ		24.5	BI	LL TO		:				ANA	LYSI	S RE	QUE	ST			
Project Manage	r: Cliff Brunson					ŀ	P.O.	#:						1									
Address: P.O.	Box 805						Com	ipany	/:]								
city: Hobbs	State: NM	Zip	: 8	3824	1	4	Attn	:									1	ļ					
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397		/	١dd	ress:								ł	ł						
Project #:	Project Owne	r: ($\underline{\mathbb{O}}_{i}$	<u> </u>			City:	:					1]		ľ						
Project Name:	Right- Gand Canyon	Ĵ.	5.	52	fwp	Ś	State	e:		Zip:					j		ļ			ŀ	ļ		
Project Locatio							hoi	ne #:															
Sampler Name:		า				F	ax	#:					1.1.0				l						
FOR LAB USE ONLY			Γ		MATRI	X	_ P	RESE	ERV.	SAMPL	NG]	10				l				ł		
Lab I.D. H2008ID	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ACIU/BASE: JCE / COOL	OTHER :	DATE	TIME	-10	TPHEC	BTEX									
	SPI Surface	9	T		X			X		4-512	10 51	X	X	X									
2	SPICIF	9	1		X			$ \chi$		4	1100	X	X	X									
3	SP2 Surface	9	1		X			X			1123	X	X	<u> X.</u>									
4	SP2@IFt	9	1		<u> </u>			<u> </u>			1133	X	X	X									
3	SP3 Susface	5	1		<u>X</u>			X			12.340	<u> </u>		X									
G	5P3@1F+	9	1_		_ <u> X </u>	 		X	<u> </u>	11	1250	X	X	X	ļ								
· · · · · · · · · · · · · · · · · · ·	3P4 Surface	1	1		<u> X </u> _		_ -	K		4	115	X	<u></u>	X_									
	SPUCE (Ff	9	<u> </u>		X	<u> </u>	_ -	K	 	1/	12.9	<u>}:</u>	X	<u> X </u>									
<u> </u>	5P 5 Surface	÷.)	1		<u> </u> X _			<u> </u>			140	<u>.X.</u>	₹	. X.						·			
10	3P 5 @1 174	1)	<u>к</u>		$ \chi $			IX.		4	201	\times	LX.	LΥ	1							1	

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atilitates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Add'l Phone #: Retinguished By: Date Received By: Phone Result: □ Yes □ No □ Yes □ No Z Fax Result: Add'I Fax #: REMARKS: Time 5 301 EMAIL ALL Relinquished By: Received By Date: Time: 21 16 5 Delivered By: (Circle One) Sample Condition CHECKED BY: (Initia/s) Cool /Intact Ľ Ves Ves Sampler - UPS - Bus - Other:

#26

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Company Name	 BBC International, Inc. 					BI	LL TO						ANAL	_YSIS	S RE	QUE	ST			
Project Manage	r: Cliff Brunson				Р.(). #:														
Address: P.O.	Box 805				Co	mpany:													i I	
city: Hobbs	State: NM	Zip	: 8	38241	Att	tn:														
Phone #: 575-	397-6388 Fax #: 575	-397	7-0	397	Åd	dress:									}					
Project #:	Project Owner	r: (Ô	XU	Cit	ty:				1										
Project Name:	Righthand Calivon 3				Sta	ate:	Zip:			-							1		1	
	n: Carlsbad WM				Ph	one #:				12							ł			
Sampler Name:		ili			Fa	x #:				15										
FOR LAB USE ONLY	-			MATRIX		PRESERV	SAMPLI	NG	}	\bigcirc	1						:			
Lab I.D. H200600	Sample I.D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	ACID/BASE: ICE / COOL	DATE	TIME	61-	3HUL	316									
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PLEASE NOTE: Liability and Damages, Caromals liability and clents exclusive remedy for any claim arising whether based in contract or rom, shall be thread to the amount paid by the client for the analyses. All claims including tince for negigence and any other cause whatsoever shall ne deemed warked unless made in which and tecened by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequental damages, including which damas interruptions, loss of use, or loss of orolds incurred by client its subsidiaries.

alfiliates or successors ansing out of or related to the performance of services hereunder by Caroinal, regardless of whether such claim is based upon any of the above stated reasons of otherwise. Phone Result: C Yes L No 'Add'l Phone #: Relinguished By: Date: Received By: C Yes Fax Result: Add'I Fax #: REMARKS: Time استن 1 Cie). 3251 10.0 EMAIL ALC Relinguished By: Date: Received By: 4-4-17 Time: care. (*--Delivered By: (Circle One) CHECKED BY: Sample Condition Cool Intact Yes -Yes No No (Initials) Sampler - UPS - Bus - Other:

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

		New Mex and Natura	ico I Resources			Re	Form C-14 vised October 10, 208			
1000 Rio Brazos Road, Azloc, NM 87410 District IV 12		vation Div h St. Franc			Submit 2 Copies to appropriz District Office in secondan with Rule 116 on ba					
1220 S. St. Francis Dr., Santa Fe, NM \$7503	Santa Fe	e, NM 875	05				side of for			
Release Noti	fication	n and Co	prrective A	ction						
nMLB1122338019		OPERA	the second s		🛛 Initia	l Report	Final Rep			
Name of Company OXY USA 192463		Contact Ke		1100						
Address 1502 W. Commerce Carlsbad, NM 88220. Facility Name Righthand Canyon 35-7		Telephone I Facility Typ	va. (0) 575-628	-4100			·····			
					T and M	- ADT: 20	01524530			
	al Owner			••••• <u>•</u>	Lease IN	0. API: 30	01534529			
Unit Letter Section Township Range Feet from the		N OF REI	Feet from the	Fart/IL	lest Line	County	····			
35 215 <u>24E</u>			Plan tryin the		COR LAUR	Eddy				
Latitude		Longitud	e							
	ATURE.	OF RELI					. <u></u>			
Type of Release Produced Water & Oil		Volume of oil	Release 800 wate	z /100	Volume R	ecovered I	40			
Source of Release Gun Barrel Tank		Date and H	our of Occurrenc			nd Hour of Discovery 1 @ 4:00pm				
Was Immediate Notice Givest?	Remained.	If YES, To Whom? d. Mike Bratcher, NMOCD, Jim Amos-BLM								
By Whom? Kelton Besird (Oxy)		Date and Hour See above 7/1/1/ 7/15A								
Was a Watercourse Reached? Yes X No If a Watercourse was Impacted, Describe Fully.*		If YES, Vo	lume Impacting t	be Water	COURSE.					
					R	ECEI JUL 11	VED			
Describe Cause of Problem and Remedial Action Taken.* Tank Collapsed causing fluid to be released. Vacuum Truck w	vas called to) pick up rem	aining fluid.		NN		RTESIA			
Describe Area Affected and Cleanup Action Taken.* Area affected was on and off of location into the pasture down	the bottom	of the slope i	with of the locati	on Asp	er request	by BLM and				
gather all free liquid. The affected area on the road and on loca		cleaned up to	o required state le	vels or h	ard rock, w	basin will hichever is	be installed to met first.			
gather all free liquid. The affected area on the road and on loca I hereby certify that the information given above is true and con regulations all operators are required to report and/or file certair 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	nplete to the n release no port by the i remediate	e best of my le tifications an NMOCD ma contaminatio	n required state le mowledge and un d perform correct riked as "Final Re a that pose a thre the operator of re	vels or h derstand ive action port" do at to grou sponsibi	and rock, w I that pursu as for releas not reliev und water, ility for con	basin will i hichever is ant to NMO ses which n ve the opera surface with upliance with	be installed to met first. CD rules and may endanger tor of liability er, human health th any other			
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