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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action OPERATOR Initial Report

						OPERA T	ΓOR		Initia	al Report	\boxtimes	Final Repor
Name of Company Oxy USA Inc.						Contact Chancey Summers						
Address 1017 W. Stanolind Rd, Hobbs, NM						Telephone No. (575) 397-8216						
Facility Name Federal 27 #8						Facility Typ				•		
Surface Ow	ner BLN	M		Mineral O	wner				API No	. 30-025-3	2755	
				LOCA	TIA		TE A CIE					
This I atten	Gt:	Tr	D			N OF REI		200	**			
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/\	Vest Line	County		
M	27	22S	32E	580'		South	790'	1	West	Lea		
Latitude <u>N 32.35681°</u> Longitude <u>W 103.6680°</u>												
				NAT	URE	OF RELI	EASE					
Type of Rele	ase Produ	iced Water		- 11		Volume of		3	Volume F	Recovered	0 bbls	
Source of Re	lease Stuffi	ng box leak o	n well hea	ıd			our of Occurrenc			Hour of D is	coverv	
						02/18/2014						
Was Immedia	ate Notice C			1 ar - (== ar - ==		If YES, To						
		\boxtimes	Yes	No 🔲 Not Re	quired	Goeffrey L	eking- NMOCD,	Jennife	r Van Cure	n- BLM		
By Whom?	Kathy Pur	vis, BBC Inter	rnational			Date and H	our 02/18/2014	1 @ 3:2	0 nm			
Was a Water							lume Impacting t					
			Yes 🛚	No								
If a Watercou	rse was Imi	pacted Descri	be Fully.*									
		, , , , , , , , , , , , , , , , , , , ,	o o 1 u iij.									
Describe Cau	se of Proble	m and Remed	lial Action	Token *								
Describe Cau	3C 01 1 1001C	an and remed	nai Actioi	i iakcii.								
The stuffing b	ox on the w	vell head leake	ed 15 bbls	of produced water	r onto t	he ground. N	o fluids were reco	vered a	nd the stuf	fing box wa	s repair	ed.
Describe Area	a Affected a	ınd Cleanup A	ction Tak	en.*								
The affected a	area was an	aroximately 20	0° v 60° oi	n the location pad	and 2'	v 15' off the l	ocation and Dem	adiatio	n waa aam	alatad in acc	ordona	a with the
remediation p	lan approve	ed by Geoffrey	Leking o	of NMOCD via em	ail on (07/01/2014 and	d approved by Je	nnifer V	an Curen i	n a meeting	on 06/	30/2014.
										_		
I hereby certif	fy that the in	nformation giv	en above	is true and comple	ete to th	ne best of my l	cnowledge and ur	nderstan	d that purs	uant to NM	OCD ru	les and
regulations al	l operators a	are required to	report an	d/or file certain re	lease no	otifications an	d perform correct	ive acti	ons for rele	ases which	may en	danger
public nealth	or the envir	onment. The	acceptance	e of a C-141 repor	t by the	NMOCD ma	rked as "Final Re	port" d	oes not relie	eve the oper	ator of	liability
or the environ	ment In ac	ive ianeu io ai Idition NMO	uequatery CD accent	investigate and reatance of a C-141 re	mediate enort de	es not relieve	n that pose a thre	at to gr	ound water, bility for co	, suriace wa	ter, nun	nan nealth
federal, state,	or local law	s and/or regul	lations.	dinco of a C-141 f	oport ut	oes not reneve	the operator of r	сароны	officy for Co	пірпапсе м	illi aliy	Offici
	·····			`			OIL CONS	ERV	ATION	DIVISIO	Ň	
~.			_)			012 00110			2111010	-1	
Signature:	-											
Printed Name: Chancey Summers					1	Approved by I	District Superviso	r: J	ocelyn H	arimon		
T THEOR I VAILE	. Chance	y Summers										
Title: HES	Advisor					Approval Date	: 04/10/2023	3_ E	Expiration D	Date:		
								,				
E-mail Addres		ey_Summers(@oxy.com	1 <u> </u>	(Conditions of .	Approval:			Attached		
Date: 10 10 - 19 Phone: (575) 397-8216				5	None							

Closure Report

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

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

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

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

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

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

10/20/2014

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

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003 ubmit 2 Copies to appropriate

Form C-141

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

Release Notification and Corrective Action												
pan-4444		****		, , · · · · · · · · · · · · · · · · · ·		OPERA'			🛛 Initi	al Report		Final Repo
Name of Company Oxy USA Inc. Address 1017 W. Stanolind Rd, Hobbs, NM						Contact Austin Tramell						
Facility Nat			, moons, .	IVIVI		Telephone I Facility Typ		-8210	***************************************	**************************************		
Surface Ow	ner BLI	vi		Mineral O				***************************************	Lana	Ja 20 026	2275	£
<u> </u>	712								Lease 1	No. 30-025	-3213.	3
Unit Letter	Section	Township	Range	Feet from the		NOF REI	LEASE Feet from the	East/M	est Line	[C	····	
		•			NOEUU	Jouen Line	reet from the	ESIST W	est Line	County		
M	27	225	32E	580'		South	790'	<u> </u>	est	Lea	·	
				Latitude <u>N 32.3</u>	<u>5681°</u>	Longitu	ide <u>W 103,6680</u>	<u>)°</u>				
				NAT	URE	OF RELI	EASE					
Type of Relea		iced Water	······································			Volume of	Release 15 bbls		Volume I	Recovered	0 bbls	· · · · · · · · · · · · · · · · · · ·
Source of Rel	ease Stuffi	ng box leak o	n well hea	ıd		Date and H 02/18/2014	our of Occurrence	e .	Date and	Hour of Dis	covery	,
Was Immedia	te Notice C					If YES, To	Whom?				***************************************	*****
		M	Yes	No □ Not Re	quired	Goeffrey L	eking- NMOCD,	Jennifer '	Van Cure	n- BLM		
By Whom?		vis, BBC Inte	rnational			Date and H	our 02/18/2014	(@) 3:20	pm			
Was a Watero	ourse Reac		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
If a Watercou	rse was Im						***************************************	***************************************				**************************************
			· · · · · · · · · · · · · · · · · · ·					-				
		•										
	C12 11	V 82	· · · · · · · · · · · · · · · · · · ·				·		**************************************			
Describe Caus	e of Proble	m and Kemed	lial Action	l Taken.*								
The stuffing b	ox on the w	ell head leake	ed 15 bbls	of produced water	onto th	ie ground. No	o fluids were reco	vered and	d the stuff	fing box wa	s repair	red.
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			***************************************			······································	
The effected o	Marie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		N CO2		1.00	**** **** *						
plan approved	by both the	: NMOCD and	d the BLN	n the location pad : 1.	and Z x	15 off the fe	ocation pad. Rem	ediation	will be co	mpleted in	accord	ance with a
Lharahy cartif	u that the in	farmation vis	on abaua	in the same	4- 4- al-	3			***************************************			***************************************
regulations all	operators a	re required to	report and	is true and comple d/or file certain rel	ease no	tifications and	d perform correcti	ive action	s for rele	acec which a	nav en	doncer
pubne neann c	r the envir	onment. The a	icceptance	of a C-141 report	by the	NMOCD mai	rked as "Final Rei	port" dae	s not relie	ve the oner	ator of	liability
or the environi	nent. In ad	dition, NMO(D accept	investigate and rer ance of a C-141 re	ncaiate port do	contamination es not relieve	n that pose a threa the operator of re	at to grou sponsibil	nd water, ity for co	surface wat muliance w	er, hur ith anv	nan health
federal, state, o	r local law	s and/or regul	ations.		·	·*************************************		····				Olifoi
	OIL CONSERVATION DIVISION											
Signature:	Signature: find free!											
Printed Name: Austin Tramell Approved by District Supervisor:												
Title: HES Coordinator Approval Date: Expiration Date:												
E-mail Address	a: Austin	Tramell@ox	y.com			onditions of A	Approval:					
Data 2/1	9/14	and the state of t					-block rent			Attached		
Date: /// Attach Addition	- k - l - k l	s If Necessar	Phon V	e: (575) 397-8210				·		·····		

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

State of New Mexico Energy Minerals and Natural Resources

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

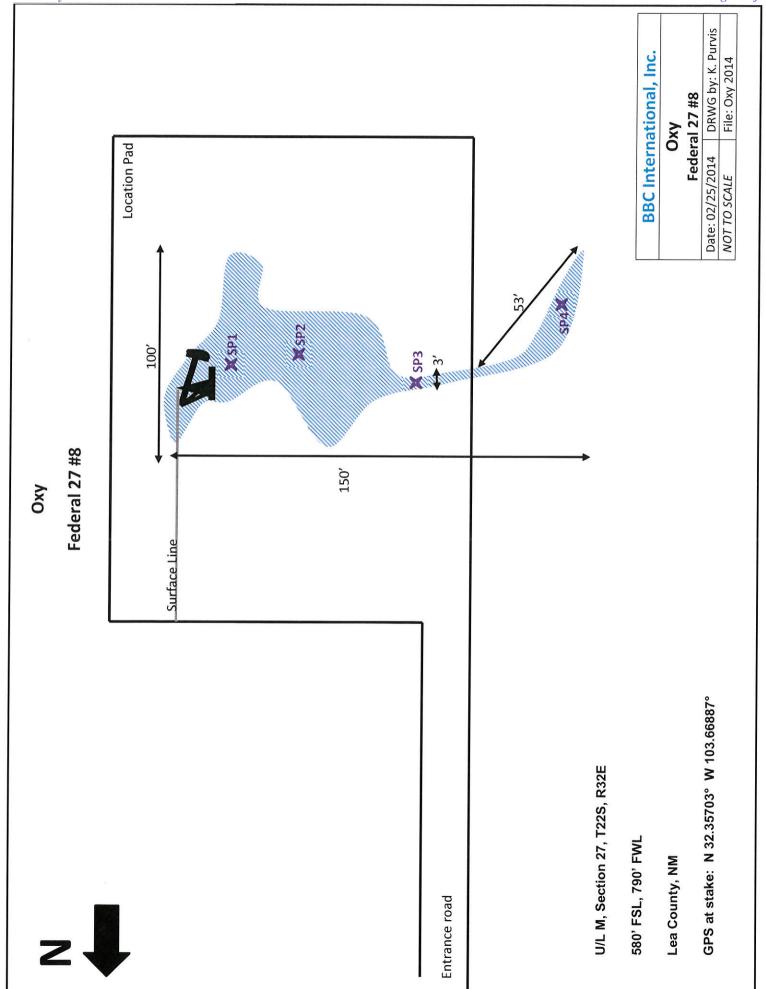
Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action OPERATOR Initial Report Final Report Contact Chancey Summers Telephone No. (575) 397-8216 Facility Type Well

Name of Company Oxy USA Inc. Address 1017 W. Stanolind Rd, Hobbs, NM Facility Name Federal 27 #8 Surface Owner BLM Mineral Owner API No. 30-025-32755 LOCATION OF RELEASE Unit Letter Section Township Feet from the North/South Line Range Feet from the East/West Line County 27 22S M 32E 580' South 790' West Lea Latitude N 32.35681° Longitude W 103.6680° NATURE OF RELEASE Type of Release Produced Water

Type of Release Produced Water	Volume of Release 15 bbls	Volume Recovered 0 bbls
Source of Release Stuffing box leak on well head	Date and Hour of Occurrence 02/18/2014	Date and Hour of Discovery
Was Immediate Notice Given?	If YES, To Whom?	
☐ Yes ☐ No ☐ Not Required	Goeffrey Leking- NMOCD, Jennit	fer Van Curen- BLM
By Whom? Kathy Purvis, BBC International	Date and Hour 02/18/2014 @ 3:	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	itercourse.
☐ Yes ☒ No		
If a Watercourse was Impacted, Describe Fully.*		
		,
	1404	
Describe Cause of Problem and Remedial Action Taken.*		
The stuffing box on the well head leaked 15 bbls of produced water onto	the ground. No fluids were recovered	and the stuffing box was repaired.
Describe Area Affected and Cleanup Action Taken.*		
The affected area was approximately 20' x 60' on the location pad and 2' remediation plan approved by Geoffrey Leking of NMOCD via email on	x 15' off the location pad. Remediat: 07/01/2014 and approved by Jennifer	ion was completed in accordance with the Van Curen in a meeting on 06/30/2014.
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	and that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release n	otifications and perform corrective ac	tions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the	e NMOCD marked as "Final Report"	does not relieve the operator of liability
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	ground water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	loes not relieve the operator of respons	sibility for compliance with any other
federal, state, or local laws and/or regulations.	OH CONGERY	LATION DIVIGION
	OIL CONSER	VATION DIVISION
Signature:		
Duinted Name Change Communication	Approved by District Supervisor:	
Printed Name: Chancey Summers		
Title: HES Advisor	Approval Date:	Expiration Date:
	Conditions of Approval:	Attached
Date: 10 10 - 19 Phone: (575) 397-8216		
Attach Additional Sheets If Necessary		

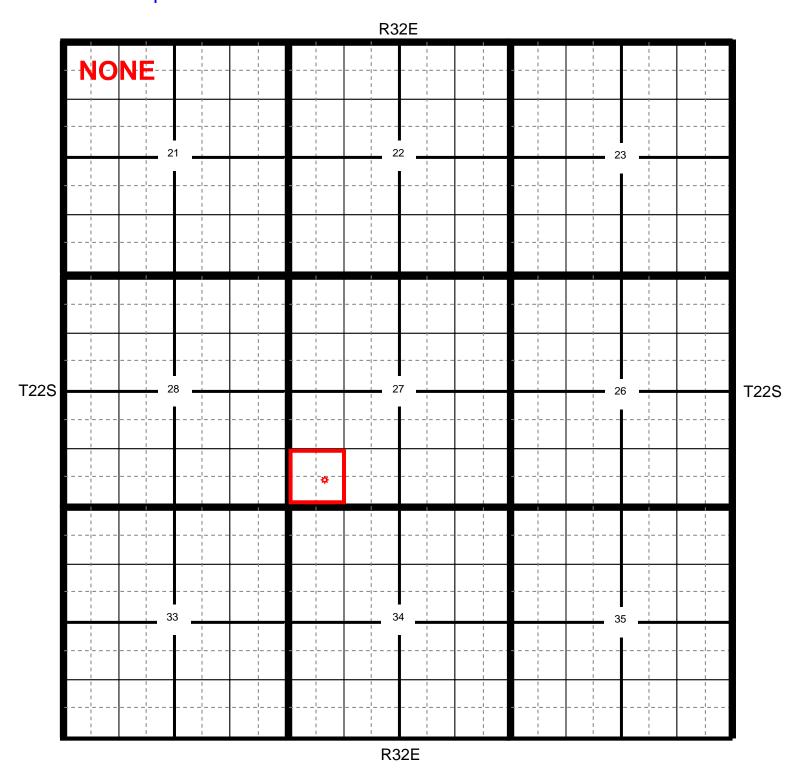


Groundwater Plot

Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'



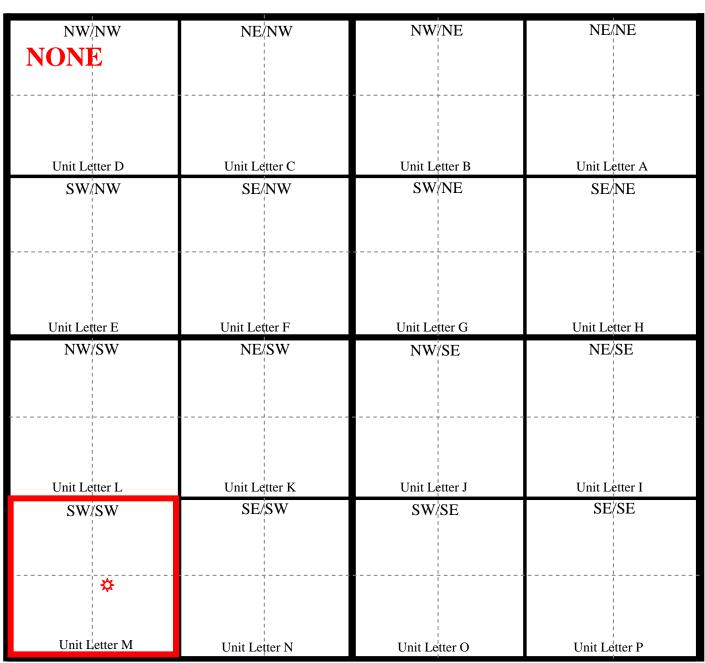
Section Quarters

Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

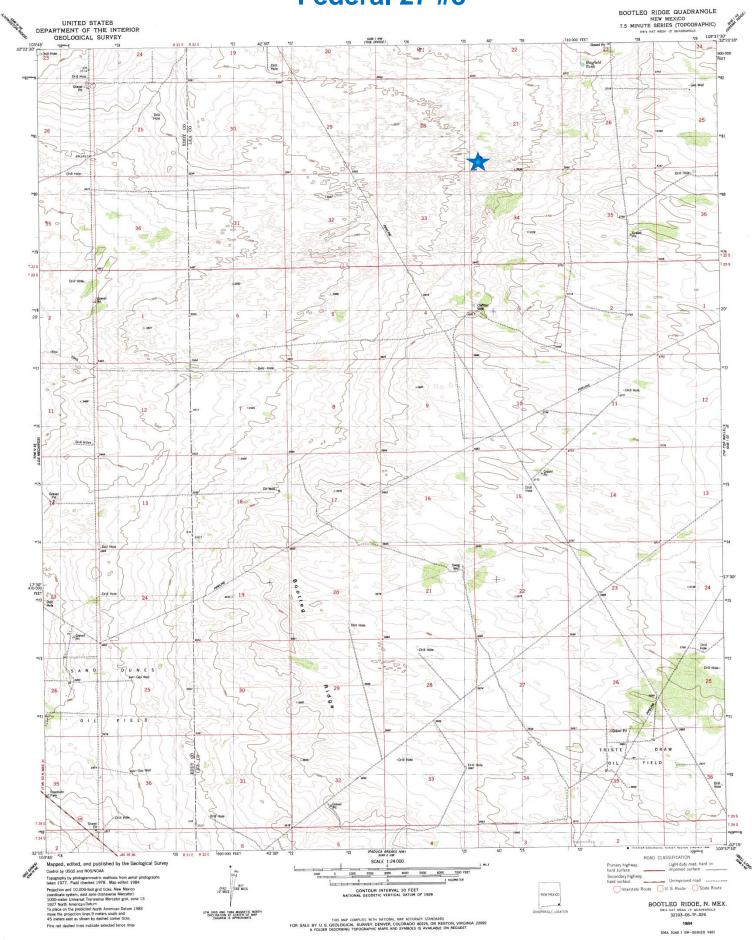
Trend Map 400'

1



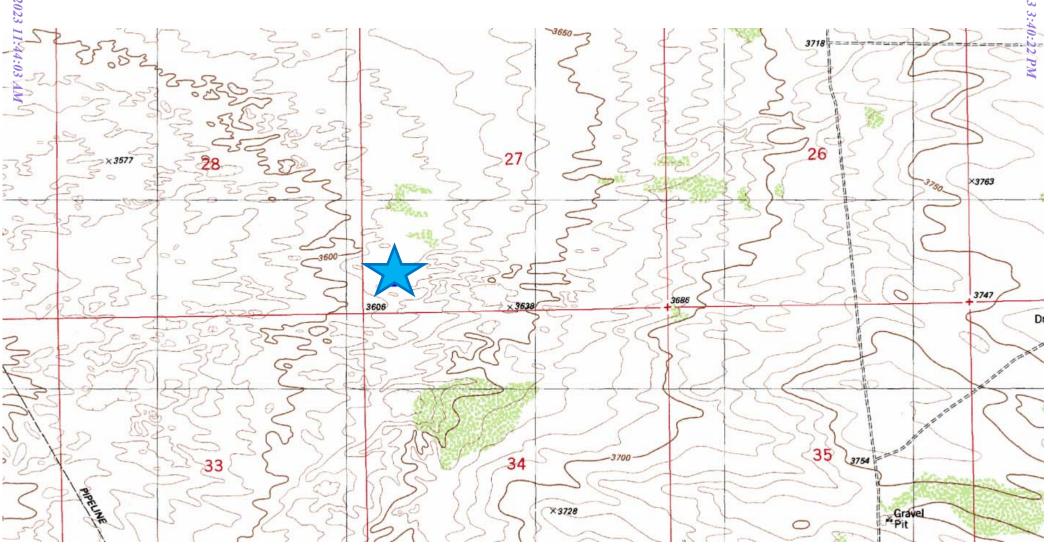
3





Oxy

Federal 27 #8



Received by OCD: 3/13/2023 3:40:22 PM

Laboratory Analytical Results Summary Federal 27 #8

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

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

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

	Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Method	Date	3/16/14	3/16/14	3/16/14
		mg/Kg	mg/Kg	mg/Kg
BTEX 8021B		< 0.050	< 0.050	< 0.050
BTEX 8021B		< 0.050	< 0.050	< 0.050
BTEX 8021B		< 0.050	< 0.050	< 0.050
BTEX 8021B		<0.150	<0.150	<0.150
BTEX 8021B		< 0.300	< 0.300	< 0.300
SM4500CI-B		13100	<16.0	<16.0
TPH 8015M		<10.0	<10.0	<10.0
TPH 8015M		108	<10.0	<10.0
	BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M	Method Date BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M	Method Date 3/16/14 BTEX 8021B <0.050 BTEX 8021B <0.050 BTEX 8021B <0.050 BTEX 8021B <0.050 BTEX 8021B <0.150 BTEX 8021B <0.300 SM4500Cl-B 13100 TPH 8015M <10.0	Method Date 3/16/14 3/16/14 BTEX 8021B <0.050 <0.050 BTEX 8021B <0.050 <0.050 BTEX 8021B <0.050 <0.050 BTEX 8021B <0.050 <0.050 BTEX 8021B <0.150 <0.150 BTEX 8021B <0.300 <0.300 SM4500Cl-B 13100 <16.0 TPH 8015M <10.0 <10.0



March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	< 0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, 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	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

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	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.9	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4 9	63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

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

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	< 0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9 9	63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

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

LEA COUNTY, NM

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
DRO >C10-C28 Surrogate: 1-Chlorooctane	<10.0 87.9			ND	202	101	200	1.68	

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.69	63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	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	240	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	85.5 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.49	% 63.6-15							

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Celey D. Keine



Jodi Henson

Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/25/2014 Sampling Date: 03/16/2014 Reported: 03/31/2014 Sampling Type: Soil

Project Name: FEDERAL 27 #8 Sampling Condition: Cool & Intact Project Number: Sample Received By:

NONE GIVEN Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	90.4 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	< 0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1 9	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

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

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

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

LEA COUNTY, NM

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	75.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.0	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	% 63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	13100	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	91.9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.69	63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	% 63.6-15	4						

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Celey D. Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2 9	63.6-15	4						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sample Condition Delivered By: (Circle One) Sample Condition Cool Intact No I No I No	Relinquished By: Relinquished By: Day Tipe: Time: Received By: Received By: Time:	3) 3' Cardinal's liability and client's exclusive remedy for any or Cardinal's liability and client's exclusive remedy for any other cause whatspayer shall be deen segligence and any other cause whatspayer shall be deen before incidental or consequents are the same than the formation of the cardinal of cardinal shall be cardinal or consequents.	20	SP2@3'	6 SP2@1'	\$\text{SP1 @ 7'}	66		# G V S S C C S S C C S S C C S S C C S S C C S S C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C S S C C C C S S C C C C S S C C C C S S C C C C C S S C	G)RAB OR (C)OMF CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	MATRIX	Fax	ame: Fec	Project Owner: UXY	5-397-6388 Fax #: 575-397-0397	State: NM Zip: 88241		Cliff Brunson	101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
CHECKED BY:	Fax Result: Yes I No	taim arising whether based in contract or text shall be limited to the amount part by seven-more shall be limited to the amount part by seven-more shall be limited by Cardinal within 30 days after completion of the applicable and whether such claim is received by Cardinal within 30 days after completion of the applicable shall will be shall be	3/16/14 11:15 AM V V V	3/15/14 2:30 PM V V V	3/15/14 1:40 m V V V	3/15/14 1:10 PM V V V	11:45 AM 🗸 🗸	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		TPH BTEX	PRESERV. SAMPLING		2.5	Zip:			ny:		

Page 19 of 20

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

lernational, Inc. Inc.	lernational, Inc. lernational, Inc. State: NM Zip: 88241 Attn:	Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other	service. In no event shall Cardinal affiliates or successors arising out Re linguished By:	PLEASE NOTE: Liability and Dan analyses. All claims including thos		The SP	-	-	Z SP	-		Lab I.D.	5	FOR LAB USE ONLY			Project #:	bbone #: 575-397-6388		Address: P.O. Box 805	Project Manager: Cli	Company Name: BB	(505)
SAMPLING SAMPLING 116/14 11/16/14 12/16/14 13/16/14 11/16/14	SAMPLING SAMPLING TIME TIME	Date 7/2 Time: Circle One) Bus - Other:	be liable for incidental or consequence and a consequence of the performance of sexuals and a consequence of the performance of sexuals and the consequence of the performance of sexuals and the consequence of the performance of the performan	nages. Cardinal's liability and client's exclusive ren se for negligence and any other cause whatspevel	Allness	4 @ 5'	4 @ 3'	4@1'	3 @ 8	3 @ 7	ָאַר פֿ	7	Sample I.D.		arv Rav	County, NM		Fax #:	State: N		ff Brunson	C International, Inc.	393-2326 FAX (505) 393-2
SAMPLING SAMPLING 116/14 11/16/14	SAMPLING SAMPLING TIME TIME	Received By: Sample Condition Cool Intact Cool No No	Received By:	nedy for any claim arising whether based in contract or r shall be deepned waived unless made in writing and re adduting without limitation, business interruptions, los		-	-	-	-	-	-# G V S S	CONT/ ROUN /ASTE OIL OIL SLUDG	DWATER WATER	MATRIX	Fax	Pho		5-397-0397	Zip: 88241		7.0		4/6
	es DN	ON CHECKED BY:	pased upon any of the above same received Pho Fax	tort, shall be limited to the amount paid by the ceived by Cardinal within 30 days after complete to the complete of use, or loss of profits incurred by client, its sof use, or loss of the above stated reasons of			3/16/14	3/16/14	3/16/14		3/16/14	CE / CO DTHER DATE	OOL		2000	one #:		lress:		npany:			कारा क

Page 20 of 20

Kathy Purvis

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

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

To: Cliff P. Brunson

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis **Subject:** OCD Concurrence with Various OXY Remediation Plans

Cliff

The OCD concurs with the:

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

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

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

Office: (575) 393-6161 Ext. 113

Cell: (575) 399-2990

email: geoffreyr.leking@state.nm.us

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

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

To: Leking, Geoffrey R, EMNRD

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

Geoff,

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

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

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

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

To: Jennifer Van Curen

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

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

Jennifer,

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

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

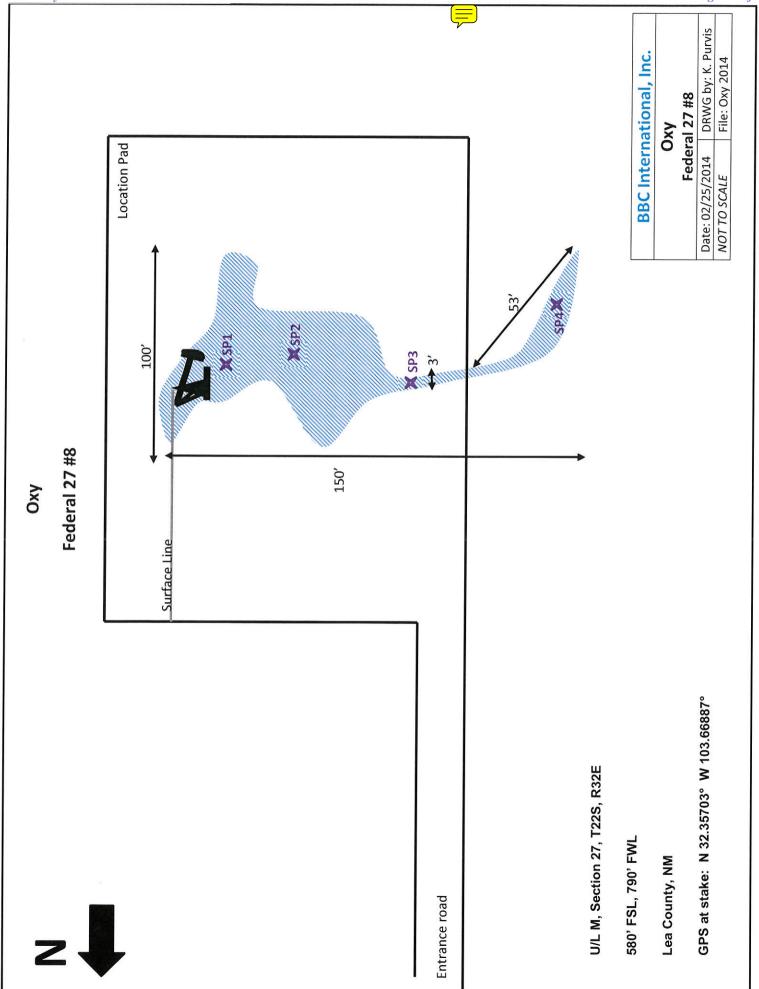
Thanks, Cliff

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

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1

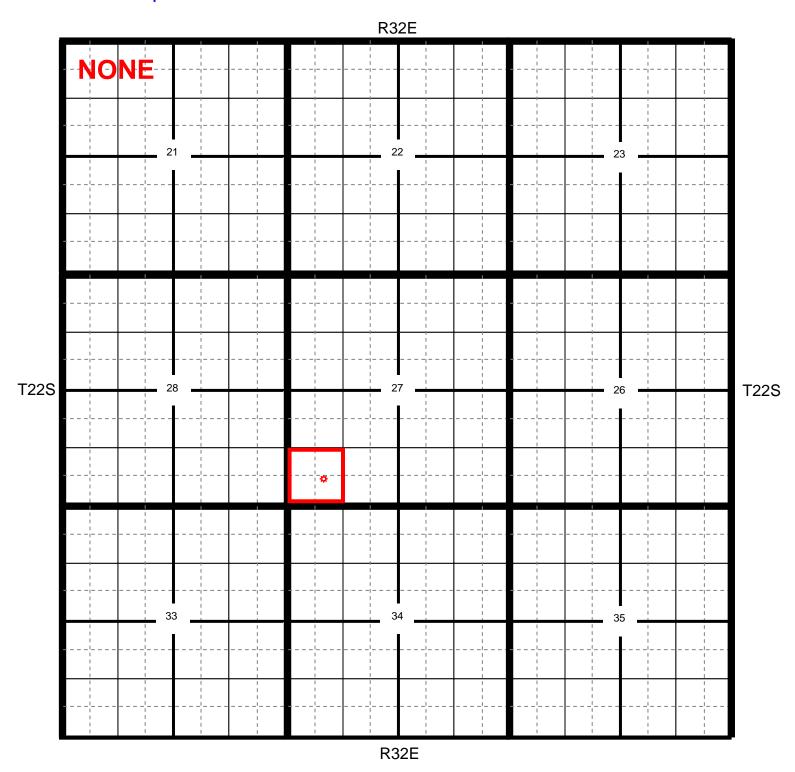


Groundwater Plot

Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'



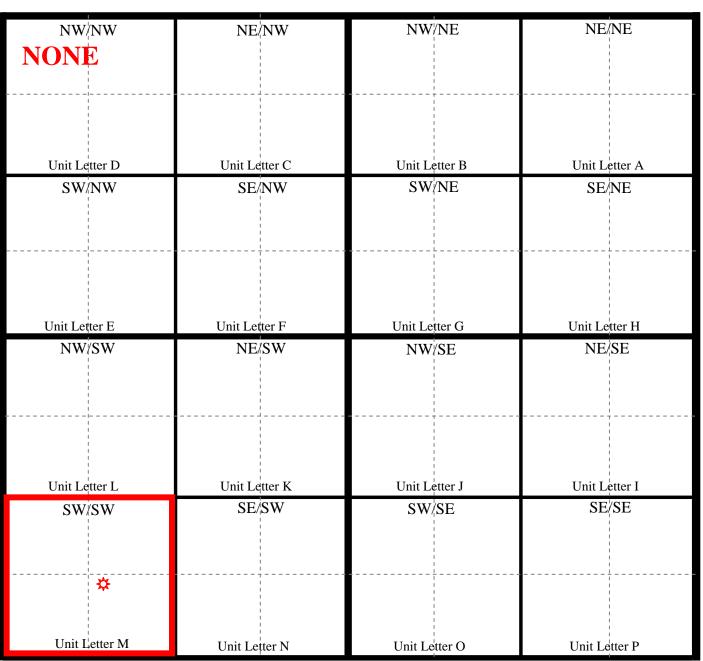
Section Quarters

Oxy Federal 27 #8

CountyUnit LetterSectionTownshipRangeLeaM2722S32E

Trend Map 400'

1



3

Received by OCD: 3/13/2023 3:40:22 PM

Laboratory Analytical Results Summary Federal 27 #8

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

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

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

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



March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	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	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.9 9	63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4	% 63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

Project Number: NONE GIVEN Sample Received By: Jodi Henson
Project Location: LEA COUNTY, NM

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

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

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

Sample Received By: Project Number: NONE GIVEN Jodi Henson Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	< 0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	< 0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	% 63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.9 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2 9	63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.69	63.6-15	4						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

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

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

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

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

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

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	03/28/2014 ND		124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	3/28/2014 ND		121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	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	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1 9	63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08		
Toluene*	<0.050 0.050		03/28/2014	ND	2.48	124	2.00	5.09		
Ethylbenzene*	<0.050	0.050	03/28/2014	03/28/2014 ND		121	2.00	5.04		
Total Xylenes*	<0.150 0.150		03/28/2014	ND	6.94	116	6.00	5.30		
Total BTEX	<0.300	0.300	03/28/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	107 %	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	576	16.0	03/27/2014	ND	416	104	400	3.92		
TPH 8015M	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07		
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68		
Surrogate: 1-Chlorooctane	81.1 9	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	91.19	% 63.6-15	4							

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050 0.050		03/28/2014	ND	2.61	131	2.00	5.08		
Toluene*	<0.050	0.050	03/28/2014	03/28/2014 ND		124	2.00	5.09		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04		
Total Xylenes*	<0.150 0.150		03/28/2014	ND	6.94	116	6.00	5.30		
Total BTEX	<0.300	0.300	03/28/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128 16.0		03/27/2014	ND	416	104	400	3.92		
TPH 8015M	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95		
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66		
Surrogate: 1-Chlorooctane	75.9 %	65.2-14	0							
Surrogate: 1-Chlorooctadecane	83.0 %	63.6-15	4							

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050 0.050		03/28/2014	3/2014 ND		124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	2014 ND		121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014 ND		416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5 %	63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08		
Toluene*	<0.050 0.050		03/28/2014	03/28/2014 ND		124	2.00	5.09		
Ethylbenzene*	<0.050	0.050	03/28/2014 ND		2.42	121	2.00	5.04		
Total Xylenes*	<0.150 0.150		03/28/2014 ND		6.94	116	6.00	5.30		
Total BTEX	<0.300	0.300	03/28/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	03/27/2014	ND	416	104	400	3.92		
TPH 8015M	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95		
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66		
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	99.6	% 63.6-15	4							

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

LEA COUNTY, NM

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

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050 0.050		03/28/2014 ND		2.48	124	2.00	5.09	
Ethylbenzene*	<0.050 0.050		03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	% 63.6-15	4						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

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

Reported: 03/31/2014 Sampling Type: Soil

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

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

LEA COUNTY, NM

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		03/28/2014 ND		2.61	131	2.00	5.08	
Toluene*	<0.050 0.050		03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050 0.050		03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150 0.150		03/28/2014 ND		6.94	116	6.00	5.30	
Total BTEX	<0.300 0.300		03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

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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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Celey D. Keene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Cool infact Res Pres No No	1.20	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
	CHECKED BY:	Time:	
	y:	Date Received By:	Relinquished By:
REMARKS:	h stenson	Tipe Squit	Relinquished By:
ons or otherwise. Pes	tout limitation, business interruptions, loss of use, or use or promote stated reasons or promote Resulting, regardless of whether such claim is based upon any of the above stated reasons or promote Resulting, regardless of whether such claim is based upon any of the above stated reasons or promote Resulting, regardless of whether such claims is based upon any of the above stated reasons or promote Resulting, regardless of whether such claims is based upon any of the above stated reasons or promote Resulting, regardless of which regardless of which regardless of which regardless of the regardless of	cause whatspey or your cause whatspey or cause equental damages including will e of services between the cause of services of servic	ar all
y urcument on the applicable on the applicable of the applicable o	aim arising whether based in contract or tort, shall be limited to the amount plat by the view in which applicable by davided unless made in writing and received by Cardinal within 30 days after completion of the applicable by waived unless made in writing and received by cardinal writing to the contract of the contr	ent's exclusive remedy for any cleant's exclusive remedy for any cleant to the control of the co	SP3 @ 3' SP3 @ 3' III SP3 @ 3'
11:15 AM V V V V	9 3/16/14 1	200	9 SP3 @ 1'
10:45 AM 🗸 🗸 🗸	3/16/14	20	8 SP2 @ 4'
2:30 PM 🗸 🐧	3/15/14		7 SP2 @ 3'
2:15 PM 🗸 🗸		70	6 SP2 @ 1'
1:40 PM V V V	3/15/14	0	SP1@9'
1:10 PM V V V	3/15/14	6	U SP1@7'
11:45 AM 🗸 🗸 🗸	3/15/14		3 SP1 @ 5'
11:15 AM V V V	3/15/14 11	20	2 SP1 @ 3'
10:42 AM 🗸 🗸 🗸	- 0	20	SP1@1
10;20 AM 🗸 🗸 🗸	0 % 0 4 = 0 3/15/14	# (G	H40087Z
TPI BTG C1	LUDGE OTHER: CID/BASE: CE/COOL OTHER:	Sample I.D.)RAB OR (CONTAINER ROUNDWATE ASTEWATE	Lab I.D. Sam
 		RS TER	FOR LAB USE ONLY
	MATRIX PRESERV. SAMPLING	M	Sampler Name: Gary Ray
	Fax #:	ZX	Project Location: Lea County, NM
	Phone #:		ame: Fec
	State: Zip:	Project Owner: VA	
	City:	Fax #: 5/5-39/-039/	Phone #: 575-397-6388
	Address:	INIVI ZIP:	
	Attn:		Address: P.O. Box 805
	Company:	ň	Project Manager: Cliff Brunson
	P.O. #:	ational, Inc.	Company Name: BBC International, Inc.
	BILL TO	(505) 393-2326 FAX (505) 393-2470	(505) 393-2326
ANALYSIS REQUEST		101 East Marland, Hobbs, NM 88240	101 East Marlan
		ABDINIAI I ARORATORIES	ABDINAL LAF

Page 19 of 20

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	service. In no event shall Cardinal be liable for incidental or consequence of service affiliates or successors arising out of or related to the performance of service. Relinquished By: Tim	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusionalyses. All claims including those for negligence and any other cause what		16 SP4 @	Street, or other Designation of the last o		12 SP3 @ 8'		1		ah ID	FOR LAB USE ONLY			Project Name: Federal 27 #8	Project #:	575-397-6388	\overline{C}	Address: P.O. Box 805		Company Name: BBC I	(505) 393
cle One) 3 - Other:	Date 7.D	able for incidental of consequence of several infection related to the performance of several infection Date in the consequence of several infection in the consequenc	, Cardinal's liability and client's exclusive remeinegligence and any other cause whatspever st	MINGS	8 5	@ 3'	0 1	8 8	7 0	אַק		Sample I.D.		Garv Rav	Lea County, NM		Project Owner: Oxy	Fax #:	State: NM	5	Brunson	BBC International, Inc.	(505) 393-2326 FAX (505) 393-24/6
rered By: (Circle One) Sample Condition CHECK Cool Intact Cool Intact Pres Pres No No No No.5,393,4476	Received By:	Received By:	ent's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the explicable cause whatspever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cause whatspever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cause whatspever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cause what shall be deemed and the client for the client f		-	-	-		- <	-# G V S	CONT		P. MATRIX	Fax#:	Pho		er: Oxy City:	575-397-0397 Add	Zip: 88241 Attn:		F.O. #		/6
res 505-393-9476		ased upon any of the above same of P	aim arising whether based in contract or tort, shall be limited to the amount paid by the client for the ned waived unless made in writing and received by Cardinal within 30 days after completion of the 84 not limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries tool limitation, business interruptions, loss of use, or loss of profits incurred to accord or otherwise.			3/16/14 2:1	3/16/14	3/16/14	3/16/14 12:0	3/16/14	CE / COTHEI	OOL	PRESERVE	(#:	Phone #:	te: ZIP:		Address:		Company:	3	# 0166 10	
		Phone Result:	plicable			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1:30 PM 4 4 4	_		\ \ \ \	-	TPH BTE	\ \	1									
		No Add'I Fax #:	1																				ANALYSIS REQUEST

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Form C-141

Revised October 10, 2003

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

State of New Mexico Energy Minerals and Natural Resources

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

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

			Rel	ease Notific	catio	n and Co	rrective A	ction								
<u> </u>						OPERATOR										
Name of Co	mpany	Oxy USA Ir		17 h /8			ustin Tramell	0310								
Facility Nar	ne Feder	tanolind Rd, al 27 #8	Hoods, I	NIVI		Telephone 1 Facility Typ		-8210	P3N+6							
Surface Ow				1 5 6 2 1 6												
Surrace Ow	ner BLN	VI.		Mineral (Jwner	***************************************		Lease I	No. 30-025	·3275.	5					
T. L. T.		T 65 14 "	1		THE PROPERTY OF THE PARTY OF TH	N OF REI	MATERIAL CONTRACTOR OF THE PARTY OF THE PART		· • · · · · · · · · · · · · · · · · · ·	~~~						
Unit Letter	Section	Township	Range	Feet from the	North.	/South Line	Feet from the	East/West Line	East/West Line County							
M	27	225	32E	580'		South 790 West Lea										
			1	Latitude N 32.3	35681°											
						E OF RELEASE										
Type of Relea	ise Produ	iced Water		1771	URXEL	Volume of		Volume I	Recovered	0 bbls						
Source of Rel	ease Stuffi	ng box leak o	n well hea	d		Date and Hour of Occurrence Date and Hour of Discovery										
Was Immedia	te Notice C	livon?				02/18/2014 If YES, To Whom?										
AT CLI TILLIANCISO	ic monoc C		Yes [No 🔲 Not Re	quired											
By Whom?	Kathy Pur	vis, BBC Inter	rnational	The second secon		Date and Hour 02/18/2014 @ 3:20 pm										
Was a Watero		hed?				If YES, Vo	ume Impacting th	ne Watercourse.		**************************************						
,,,,,			Yes 🖂			If YES, Volume Impacting the Watercourse.										
If a Watercou	rse was Imp	nacted, Descri	be Fully.*													
Describe Caus	e of Proble	m and Remed	ial Action	Taken.*			***************************************									
The chiffing h	ov on than	ull band lank	al 18 bbis	or Commender and Street	المستونية			1 11								
ine staring o	ox on me w	en neau teake	O I 5 DDIS	or produced wate	r onto ti	ie ground, No) fluids were reco	vered and the stuf	fing box was	repair	red.					
Describe Area	Affected a	nd Cleanup A	ction Take	en.*	***************************************					***********						
The affected a	rea was app	roximately 20)² x 60² on	the location pad	and 2° x	c 15' off the le	estion and Rem	ediation will be co	maleted in a	ocord.	ance with a					
plan approved	by both the	: NMOCD and	d the BLM	I.			remarks press. Assets	occasion will be ex	лириской игр	iocoru:	ance with a					
I hereby certify	v that the in	formation giv	en above	is true and comple	ete to the	e best of my k	nowledge and un	derstand that purs	uant to NIMC	(T) m	lan and					
regulations all	operators a	re required to	report and	l/or file certain re	lease no	tifications and	berform correcti	ve actions for rele	acec which n	nou an	dancar					
public nealth o	r the enviro	onment. The a	icceptance	of a C-141 repor	t by the	NMOCD mai	ked as "Final Rei	port" does not religi at to ground water.	eve the onera	tor of	liability					
or the environi	nent. In ad-	dition, NMO(D accepta	ance of a C-141 re	eport do	es not relieve	the operator of re	sponsibility for co	mpliance wat	er, nun th any	other					
federal, state, o	or local/law:	s and/or /egul	ations.													
	///						OIL CONS	ERVATION :	DIVISIO	N						
Signature: /	-field-l	Track!														
Printed Name:	Austin T	ramell			A	pproved by D	istrict Supervisor	r:								
Title: HES C	Coordinator		······································		A	pproval Date:		Expiration Date:								
E-mail Address	: Austin	Tramell@ox	v.com													
a L					Conditions of Approval: Attached											
Date: 2/19/14 Phone: (575) 397-8210 Attach Additional Sheets If Necessary																

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 196507

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	196507
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By		Condition Date
jharimon	None	4/10/2023