Closure Report

NM OIL CONSERVATION

ARTESIA DISTRICT

111 2.3 2014

	Site Description	
Site Name:	Swearingen A Fee Com #3	RECEIVED
Company:	Oxy Permian Ltd.	
Legal Description:	U/L P, Section 5, T23S, R28E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.32787° W 104.10225°	

	Release Data
Date of Release:	10/24/2013
Type of Release:	Oil
Source of Release:	Tank overflow due to plugged manifold
Volume of Release:	110 bbls
Volume Recovered:	100 bbls

	Remediatio	n Specifications				
Remediation	Excavate to a de	epth of 2 to 3 feet across the entire leak area.				
Parameters:	Then, backfill the site with clean soil.					
Remediation Activities:	05/29/2014 to 0	7/11/2014				
		· · · · · · · · · · · · · · · · · · ·				
Plan Sent to OCD:	02/19/2014	Meeting between C. Brunson & M. Bratcher				

Plan Sent to OCD:	02/19/2014	Meeting between C. Brunson & M. Bratcher
OCD Approval of Plan:	02/19/2014	Meeting between C. Brunson & M. Bratcher
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

	Supporting Documentation
Initial C-141	Signed 10/28/2013
Final C-141	Signed 07/16/2014
Site Diagram	November 2013
Groundwater Plot	<50'
TOPO Maps	November 2013
Lab Summary	01/27/2014
Lab Analysis	01/27/2014
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.

07/18/2014

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

		·····				.e, 19191 87.						
			Rel	ease Notifi	catio	on and Co	orrective A	ction				
						OPERA	TOR	\boxtimes	Initial Report			Final Report
		Oxy Permia					CJ Summers					
		stanolind Rd,				Telephone						
Facility Nat	me Swea	aringen A Fe	e Com #3	}		Facility Type Well location						
Surface Ow	mer Priv	vate		Mineral (Owner				API No	. 30-015-	40071	
				LOCA	ATIC	ON OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/Wes	st Line	County		
Р	5	235	28E	330		South	330	Eas	st	Eddy		
_	1	· · · · ·		Latitude			tude	1		· · · · ·		
						E OF REL						
Type of Rele	ase Oil				UKI	Volume of		bls V	olume F	Recovered	100 1	bls
		k overflow du	e to plugge	ed manifold			Hour of Occurrent			Hour of Dis		
						10/24/201						
Was Immedi	ate Notice (Yes 🗌] No 🔲 Not R	equired	If YES, To Mike Brat						
By Whom?	Chancey	Summers				Date and I	lour 10/24/201	3 @ 7:28 a	m			
Was a Water		ched?				If YES, Ve	olume Impacting	the Waterco	ourse.			
			Yes 🛛	No						IL CON	EDV	
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	k						ARTESIA D		
										JUL 23	201	4
D. 1. 0.		10					•			<u> </u>		······
Describe Cat	ise of Probl	em and Reme	dial Action	n Taken.*						RECEI	VED	
A plugged m issue was res		sed a tank to c	overflow a	nd leak 110 bbls o	of oil to	o leak onto the	ground. A vacuu	im truck rea	covered	100 bbls of	oil and	l the manifold
Describe Are	a Affected	and Cleanup A	Action Tak	en.*								
A nurged m	anifold cau	sed a tank to c	overflow a	nd leak 110 bbls o	of oil to	leak onto the	ground. A vacuu	un truck red	overed	100 bbls of	oil and	the manifold
							ved remediation p			100 0010 01	on and	t the manner
	<u>c a .a .</u>		1			1 1	,				0.075	
regulations al	ry that the i	are required to	ven above o report an	is true and comp d/or file certain r	lete to elease :	the best of my	knowledge and u	inderstand i	hat purs s for rele	uant to NM	OCD r	ules and
public health	or the envir	ronment. The	acceptanc	e of a C-141 repo	ort by th	he NMOCD m	arked as "Final R	eport" does	not reli	eve the ope	rator of	fliability
should their o	perations h	nave failed to a	adequately	investigate and r	emedia	ite contaminati	on that pose a thr	eat to grou	nd water	, surface wa	ter, hu	man health
or the enviror federal, state,	iment. In a	ddition, NMC	CD accep	tance of a C-141	report	does not reliev	e the operator of	responsibil	ity for co	ompliance v	vith an	y other
rederal, state,	or rocar ray	ws allu/pr-regi	mattons.	<u> </u>			OIL CON	SERVA	TION	DIVISIO)N	<u> </u>
-	<u></u>	\sim						JUNYA	1011	1010	×1 1	
Signature:				\leftarrow								
Printed Name	: Chance	y Summers				Approved by	District Supervis	or:				
Title: HES	Specialist					Approval Dat	e:	Exp	niration I	Date:		
E-mail Addre	ss: Chan	cey.Summers	@oxy.com	1		Conditions of	Approval					
	12011	2	<u></u>	_		201010010 UI	- the o care			Attached		
Date: 101	00/1:	2		ne: (575) 397-821	16							
Attach Addit	ional Shee	ets If Necess	arv									

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

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- U	r.	Ľĸ	AI	OR

	OPERATOR	Initial Report	Final Report
Name of Company Oxy Permian Ltd.	Contact CJ Summers		
Address 1017 W. Stanolind Rd, Hobbs, NM	Telephone No. (575) 397-8216		
Facility Name Swearingen A Fee Com #3	Facility Type Well location		
Surface Owner Private	Mineral Owner	API No. 30-015-4	0071

Durraco O Wildi	L 117WW	Trineral O when	14110. 50 015 100/1
		LOCATION OF RELEASE	
		LUCATION OF RELEASE	

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	5	235	_28E	330	South	330	East	Eddy

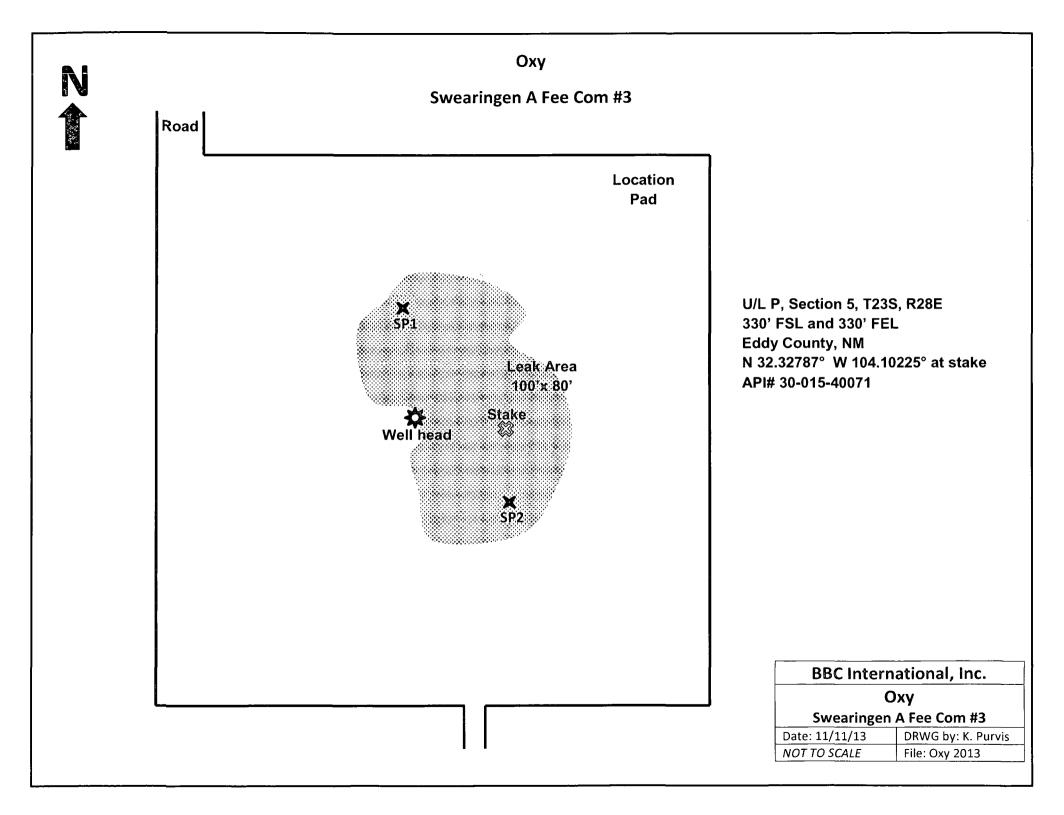
Latitude N 32.32787°

Longitude W 104.10225°

NATURE OF RELEASE

Type of Release Oil	Volume of Release 110 bbis	Volume Recovered 100 bbls
Source of Release Tank overflow due to plugged manifold	Date and Hour of Occurrence 10/24/2013	Date and Hour of Discovery
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not Required	Mike Bratcher- OCD	
By Whom? Chancey Summers	Date and Hour 10/24/2013 @ 7	7:28 am
Was a Watercourse Reached?	If YES, Volume Impacting the W	
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.*		
	• • • .	· · · · · ·
Describe Cause of Problem and Remedial Action Taken.*		
A plugged manifold caused a tank to overflow and leak 110 bbls of oil to issue was resolved.	leak onto the ground. A vacuum true	ck recovered 100 bbls of oil and the manifold
Describe Area Affected and Cleanup Action Taken.*		
A plugged manifold caused a tank to overflow and leak 110 bbls of oil to issue was resolved. Remediation was completed in accordance with the re	leak onto the ground. A vacuum truc emediation plan approved by Mike B	k recovered 100 bbls of oil and the manifold ratcher of NMOCD on 02/19/2014.
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release n- public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report de federal, state, or local laws and/or regulations.	otifications and perform corrective ac e NMOCD marked as "Final Report" e contamination that pose a threat to p	tions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health
	OIL CONSERV	VATION DIVISION
Signature:		
Printed Name: Chancey Summers	Approved by District Supervisor:	
Title: HES Specialist	Approval Date:	Expiration Date:
E-mail Address: Chancey.Summers@oxy.com Date: $7 - 16 - 19$ Phone: (575) 397-8216	Conditions of Approval:	Attached 🗌

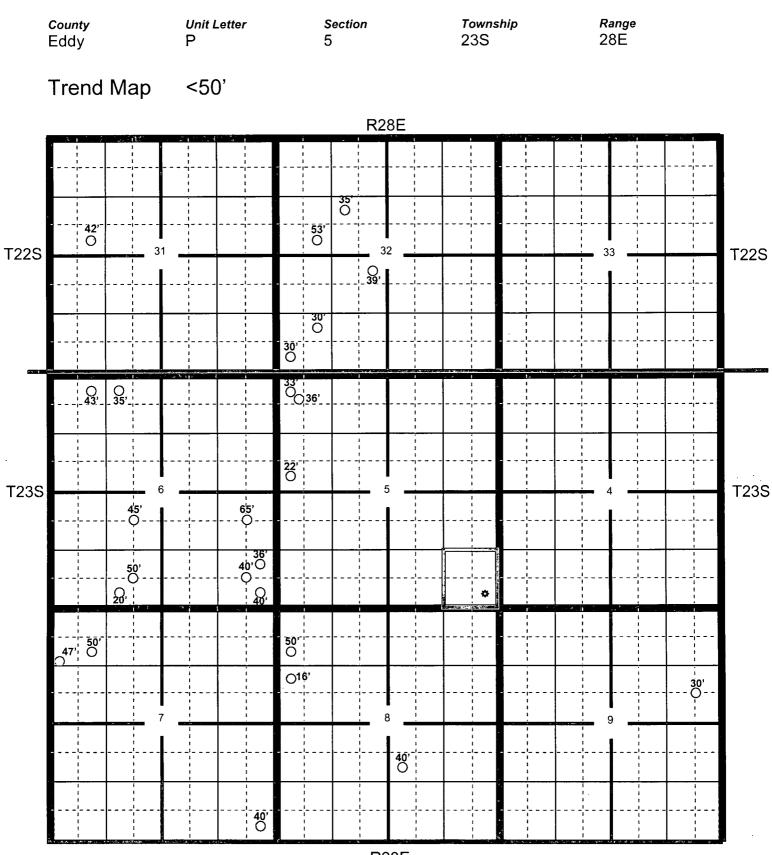
* Attach Additional Sheets If Necessary





Groundwater Plot

Oxy Swearingen A Fee Com #3



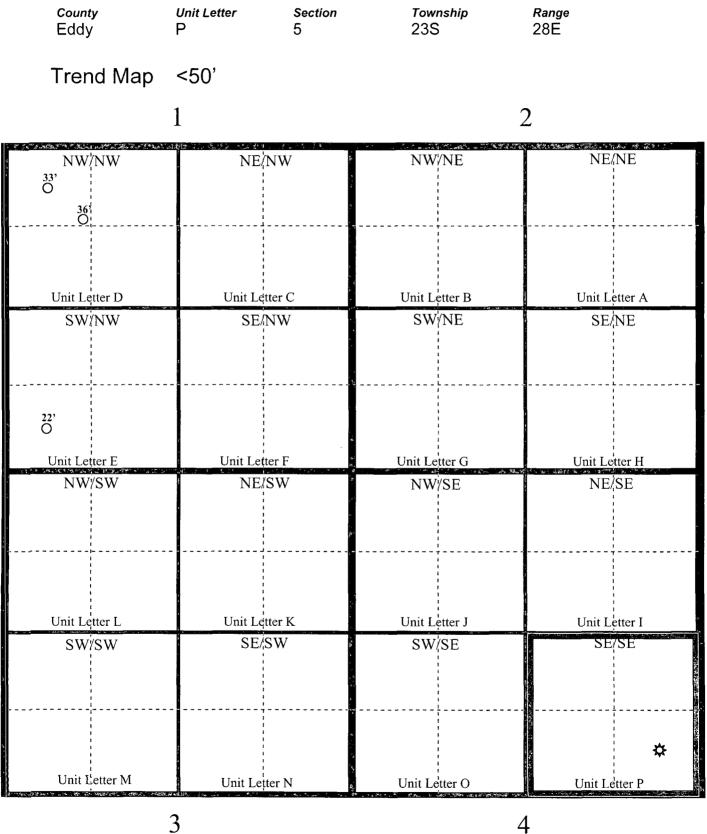
R28E

Location



Section Quarters

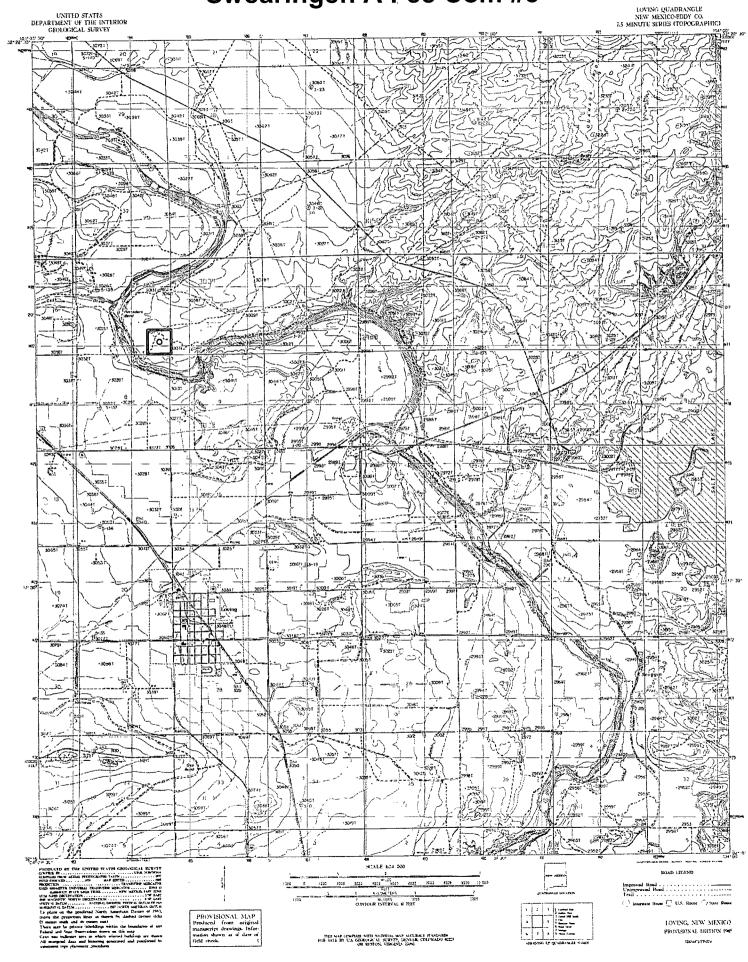
Oxy Swearingen A Fee Com #3



3

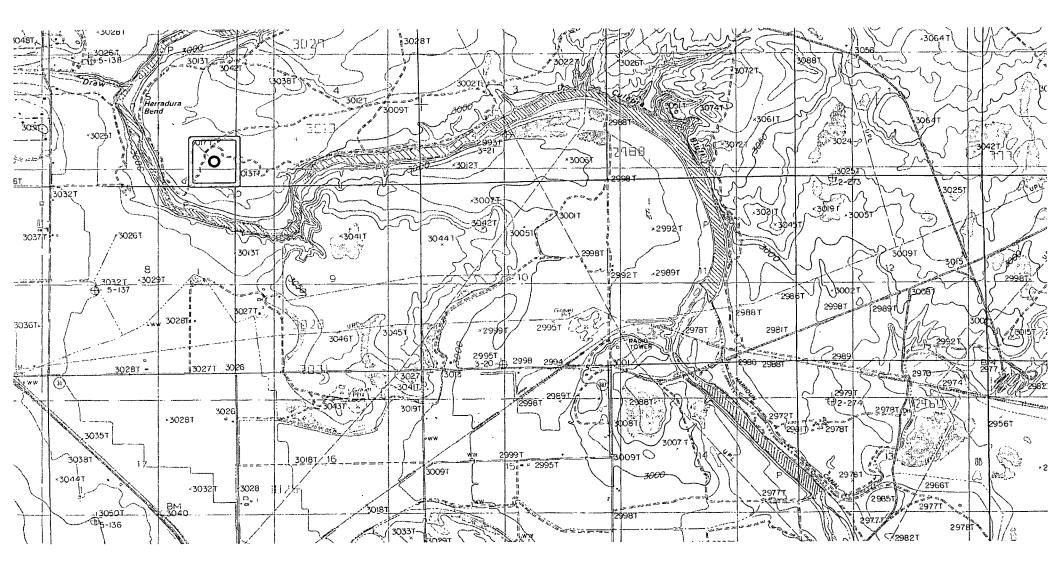
Оху

Swearingen A Fee Com #3



Oxy

Swearingen A Fee Com #3



Laboratory Analytical Results Summary Swearingen A Fee Com #3

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 11'	SP1 @ 13'	SP1 @ 15'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.57	< 0.050	<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		36.1	< 0.050	< 0.050	< 0.050	<0.050	< 0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B	· ·	20.1	<0.050	< 0.050	< 0.050	<0.050	< 0.050	<0.050	< 0.050
Total Xylenes	BTEX 8021B		107	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		167	< 0.300	< 0.300	< 0.300	< 0.300	<0.300	<0.300	< 0.300
Chloride	SM4500CI-B		5280	1200	272	704	1800	1720	608	272
GRO	TPH 8015M		2250	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M	1	5650	11.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 15'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.08	< 0.050	<0.050	< 0.050	<0.050	<0.050	< 0.050	<0.050
Toluene	BTEX 8021B		15.5	<0.050	<0.050	< 0.050	<0.050	< 0.050	< 0.050	<0.050
Ethylbenzene	BTEX 8021B		11.3	< 0.050	<0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		63.1	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		90.9	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	<0.300	<0.300
Chloride	SM4500CI-B		5200	1170	272	656	1730	1960	608	304
GRO	TPH 8015M		1150	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		4350	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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February 03, 2014

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

RE: SWEARINGEN A FEE COM #3

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 17:00.

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/qa/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,

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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 1 (H400262-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.57	2.00	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	36.1	2.00	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	20.1	2.00	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	107	6.00	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	167	12.0	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 139 % 89.4-126

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	5280	16.0	01/31/2014	ND	400	100	400	0.00		
TPH 8015M	mg/kg		Analyzed By: ms						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2250	10.0	01/29/2014	ND	198	98.9	200	4.82		
DRO >C10-C28	5650	10.0	01/29/2014	ND	198	99.0	200	2.28		
Surrogate: 1-Chlorooctane	182	% 65.2-14	0	·····			- <u>41-</u>			
Surrogate: 1-Chlorooctadecane	158	% 63.6-15	4							

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Celey E. 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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 3 (H400262-02)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	1200	16.0	01/31/2014	ND	400	100	400	0.00	
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	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	11.4	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	87.8	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 91.0% 63.6-154

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*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 5 (H400262-03)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 \$	% 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	272	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	

65.2-140

63.6-154

89.5 % 99.5 %

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey 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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 7 (H400262-04)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6			M. M M			
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms		1 813			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	

 Surrogate:
 1-Chlorooctane
 90.8 %
 65.2-140

 Surrogate:
 1-Chlorooctadecane
 92.0 %
 63.6-154

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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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 9 (H400262-05)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1119	% 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	1800	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms			s		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	90.9	% 65.2-14	0	······································					,
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

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Celuz Di Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 11 (H400262-06)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112 %	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	1720	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.1 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.0	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 13 (H400262-07)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 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	608	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	84.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.0	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 15 (H400262-08)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	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	272	16.0	01/31/2014	ND	400	100	400	0.00	
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	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	85.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 1 (H400262-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.08	1.00	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	15.5	1.00	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	11.3	1.00	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	63.1	3.00	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	90.9	6.00	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	162	% 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	5200	16.0	01/31/2014	ND	400	100	400	0.00	
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	1150	10.0	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	4350	10.0	01/30/2014	ND	199	99.4	200	2.43	

Surrogate: 1-Chlorooctane149 %65.2-140Surrogate: 1-Chlorooctadecane145 %63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 3 (H400262-10)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112 %	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	1170	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	79.1	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	89.9 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 5 (H400262-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Anałyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	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	272	16.0	01/31/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	⊤rue Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	88.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 7 (H400262-12)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	656	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	87.8 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0 \$	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 9 (H400262-13)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 89.4-12	6				<u> </u>		
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	81.6	65.2-14	0			-			
Surrogate: 1-Chlorooctadecane	82.0	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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 11 (H400262-14)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	111 9	6 89.4-12							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte .	Result	"Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	86.3 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.0 \$	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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 13 (H400262-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	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	608	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	76.0 %	65.2-14	0			. <u> </u>			
Surrogate: 1-Chlorooctadecane	88.8 %	63.6-15	4						

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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: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 15 (H400262-16)

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	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	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	304	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	86.9 :	% 65.2-14	0				······		
Surrogate: 1-Chlorooctadecane	90.4	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

age 19 of 20

ARDINAL LABORATORIES

		··, · · · · ,	
(505) 3	92-2326	FAY (505)	393-2476

	BBC International, Inc.	· · · · · · · · · · · · · · · · · · ·	BILLE TO MER	ANALYSIS REQUEST
	Cliff Brunson	· · · · · · · · · · · · · · · · · · ·	P.O. #:	
Address: P.O.			Company:	
city: Hobbs		zip: 88241	Attn:	
Phone #: 575-3			Address: 57.110	
Project #:	Project Owner	: DXV	City:	
Project Name:	Swerringen AF	e (om #3	State: Zip:	
Project Location	: Loving NA	·	Phone #:	
Sampler Name:	R.H.		Fax #:	
FOR LAB USE ONLY			PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	 (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL SULDGE SULDGE 	HER: ID/BASE: I/ COOL HER:	
H4D0262	· · · · · · · · · · · · · · · · · · ·		6 2 월 6 DATE TIME	
<u> </u>	5p101	$G \mid X \mid$	X 1-27 9:30	XXX
Z	03		X 1000	
3	05		X 1039	
<u> </u>	@7-		1116	
5	09		X 1146	
6		GHA	X 1205	
7	013		K 1724	
8	@15	G	X / 1240	
<u> </u>	_ 5p2@ 1		1 X X/ 120	1775
	Damages. Cardinal's liebility and client's exclusive remedy for a		tor fort shall be limited to the amount paid by the client for	

PLEASE NOTE: Librity and Damages. Cartings a methody and carting endowed a methody or any carting a methody with a carting a methody and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writing 30 days after completion of the applicable sprince and any other cause what writing and the sprince and the applicable sprince and the applicable days and the applicable days and the applicable days after completions, the applicable days after completions (applicable days after completions) and applicable days after completions and the applicable days after completions and the applicable days after completions and the applicable days after completions and applicable days after completions and applicable days after completions after applicable days after completions after applicable days after completions after applicable days after applic

siliants or successors ansing out of or related to the performance of services hergunder by Cardinal, repardiess of whether such claim is based upon any of the above stated reasons or otherwise. Date: **Received By:** Phone Result: Ves No Add'l Phone #: Relinguished By Fax Result: 🛛 Yes 🗆 No Add'l Fax #: Time: REMARKS: 17 **Relinguished By:** Date: Received By Time Sample Condition Delivered By: (Circle One) Cool Intact D 4.1 Sampler_UPS - Bus - Other:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 20

ARDINAL LABORATORIES

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

	BBC International, Inc.		BUUTO	ANALYSIS REQUEST
	Cliff Brunson		P.O. #:	
			· · · · · · · · · · · · · · · · · · ·	-4
Address: P.O.			Company:	
city: Hobbs		Zip: 88241	Attn:	
Phone #: 575-3	97-6388 Fax #: 575	-397-0397	Address:	
Project #:	Project Owne	· oXV	Address: Same	
Project Name:	SWEERingen : Loving, IM R.H		State: Zip:	
Project Location	: Loving, KM		Phone #:	
Sampler Name:	R.H.		Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D. H400262	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: OTHER: OTHER: BWIL BLAD	
l nl	30105	GILIX	X 1-27 212	
12.	@F	C_{1}	X 234	9 X X X TTTT
13	D 9		X 251	
14	0 11		X 310	XXX
15	@ 13	ZIX	334	4XXX
16	1015		1 I V 400	
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		╉╴╉╌╋ ╶╡╶╿╶╿	╶┼╴╊╶┊╴┼╍┠┈┈──┼───	
		╏┈┠╌┠╴┼╸┼╶┼		╶┨╶┼╶┼╴┾╾┼╶┼╌┼╌┼
PLEASE NOTE: Liabüty an	d Damages. Cardinal's liability and client's exclusive ramedy for	any claim arising whether based in conin	act or fort, shall be limited to the amount paid by the client for	inforthe

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 aubsidiaries,

artiliates 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.

 Relinquished By:
 Date:
 Received By:
 Phone Result:
 Yes 🖾 No Add'l Phone #: Yes No Add'l Fax #: Fax Result: REMARKS: Time: Relinquished By: Received By: Date: Time Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact Ves Ves No No (Infiial 47 0 Sampler - UPS - Bus - Other:

+-Gardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Kathy Purvis

From:	Cliff P. Brunson < cbrunson@bbcinternational.com>
Sent:	Thursday, February 20, 2014 7:54 PM
То:	Mike Bratcher
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Oxy-Swearingen A Fee Com #3-Remediation Plan
Attachments:	Remediation Packet, Swearingen A Fee Com #3.pdf

Mike,

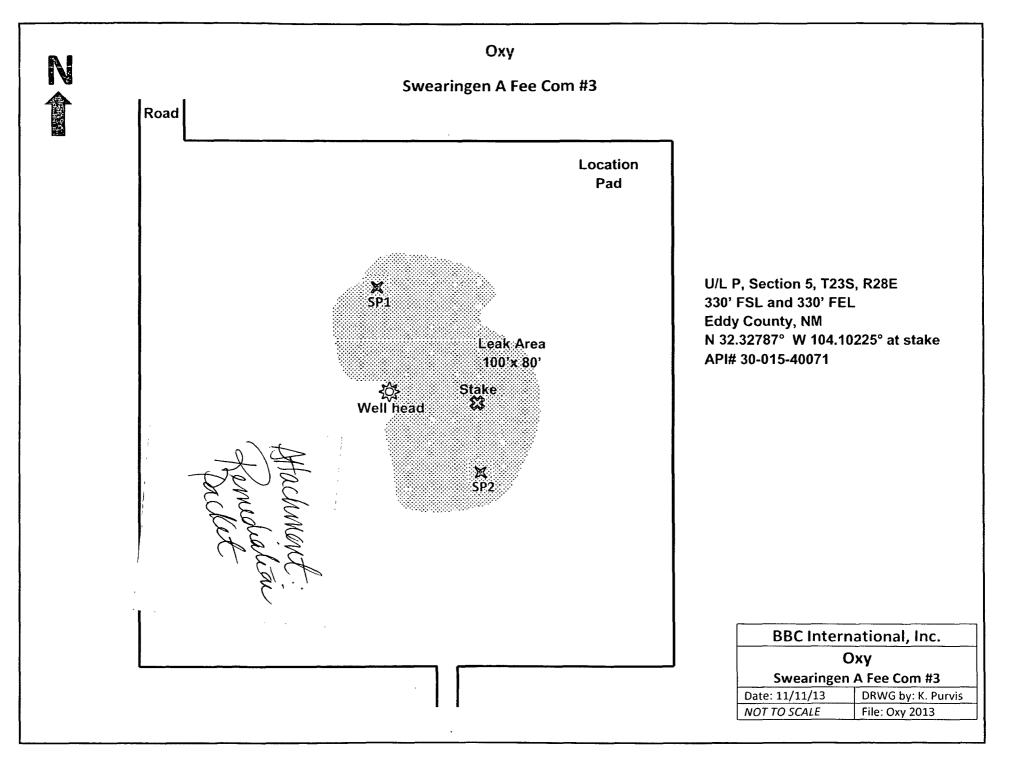
This e-mail is to confirm our conversation on February 19, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 2 to 3 feet attempting to get as close to 3 feet as possible across the entire leak area as depicted on the attached site diagram. 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: <u>cbrunson@bbcinternational.com</u>

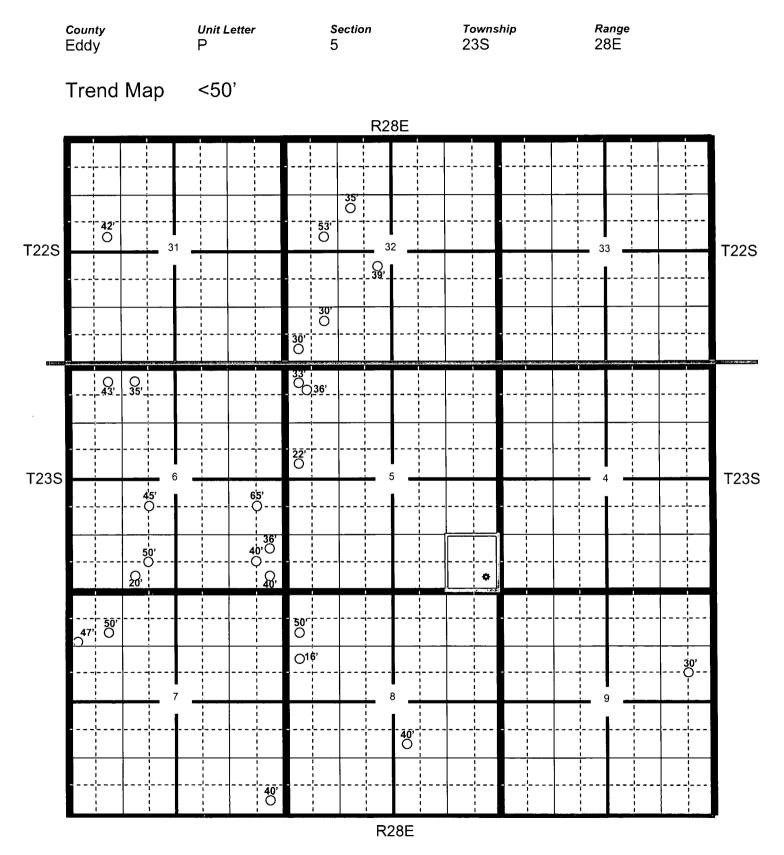
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Groundwater Plot

Oxy Swearingen A Fee Com #3

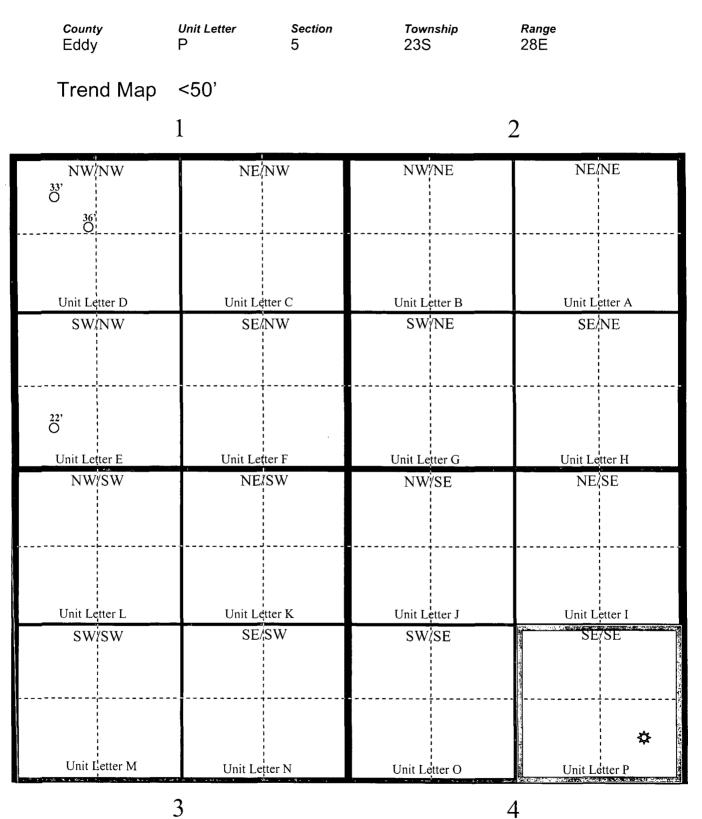


Location



Section Quarters

Oxy Swearingen A Fee Com #3



O SEO

Laboratory Analytical Results Summary Swearingen A Fee Com #3

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 11'	SP1 @ 13'	SP1 @ 15'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.57	<0.050	<0.050	<0.050	<0.050	< 0.050	<0.050	< 0.050
Toluene	BTEX 8021B		36.1	< 0.050	<0.050	<0.050	< 0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		20.1	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		107	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		167	< 0.300	< 0.300	< 0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		5280	1200	272	704	1800	1720	608	272
GRO	TPH 8015M		2250	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M	T	5650	11.4	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'	SP2 @ 11'	SP2 @ 13'	SP2 @ 15'
Analyte	Method	Date	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14	1/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		1.08	<0.050	<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		15.5	<0.050	<0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		11.3	<0.050	<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		63.1	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		90.9	< 0.300	<0.300	< 0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		5200	1170	272	656	1730	1960	608	304
GRO	TPH 8015M	1	1150	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		4350	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

.



February 03, 2014

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

Hobbs, NM 88241

RE: SWEARINGEN A FEE COM #3

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 17:00.

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/qa/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,

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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 1 (H400262-01)

BTEX 8021B	mg,	/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.57	2.00	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	36.1	2.00	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	20.1	2.00	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	107	6.00	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	167	12.0	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 139 % 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	5280	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2250	10.0	01/29/2014	ND	198	98.9	200	4.82	
				ND	198	99.0	200	2.28	

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

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Celey 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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 3 (H400262-02)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL		6 89.4-12	6				<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	1200	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	11.4	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	87.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.0 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 5 (H400262-03)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	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	272	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	89.5 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.5 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 7 (H400262-04)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	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	704	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	90.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 9 (H400262-05)

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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	1800	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	90.9 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 11 (H400262-06)

BTEX 3021B	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	01/30/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/30/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/30/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	1129	% 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	1720	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	91.1	- 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.0	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 13 (H400262-07)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	608	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	84.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.0	% 63.6-15	L						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 1 @ 15 (H400262-08)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	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	272	16.0	01/31/2014	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	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82	
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28	
Surrogate: 1-Chlorooctane	85.1	65.2-14	0		<u>=</u>				
Surrogate: 1-Chlorooctadecane	87.1	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 1 (H400262-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.08	1.00	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	15.5	1.00	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	11.3	1.00	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	63.1	3.00	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	90.9	6.00	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	162	% 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	5200	16.0	01/31/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms		<u> </u>			S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1150	10.0	01/30/2014	ND	200	99.9	200	2.61	

ND

199

99.4

01/30/2014

Surrogate: 1-Chlorooctane149 %65.2-140Surrogate: 1-Chlorooctadecane145 %63.6-154

4350

10.0

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DRO >C10-C28

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2.43

200

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 3 (H400262-10)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1129	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	1170	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	79.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	89.9	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 5 (H400262-11)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 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	272	16.0	01/31/2014	ŃD	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	88.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.9	% 63.6-15	4						

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Celuz 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:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 7 (H400262-12)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	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	656	16.0	01/31/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Anaiyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	87.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0	63.6-15	4						

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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: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 9 (H400262-13)

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	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	1730	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	81.6	% 65.2-14	0	1					
Surrogate: 1-Chlorooctadecane	82.0 9	63.6-15	4						

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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: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 11 (H400262-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Anaiyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	. 111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	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	1960	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	
Surrogate: 1-Chlorooctane	86.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.0	63.6-15	4						

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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: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 13 (H400262-15)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.26	113	2.00	2.91	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	2.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.23	111	2.00	2.55	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.44	107	6.00	3.04	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 110 % 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	608	16.0	01/31/2014	ND	416	104	400	0.00		
TPH 8015M	mg.	/kg	Analyze	d By: ms			2			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/30/2014	ND	200	99.9	200	2.61		
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43		
Surrogate: 1-Chlorooctane	rrogate: 1-Chlorooctane 76.0 % 65.2-1-		0							
Surrogate: 1-Chlorooctadecane	88.8	% 63.6-15	4							

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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: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/27/2014
Reported:	02/03/2014	Sampling Type:	Soil
Project Name:	SWEARINGEN A FEE COM #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LOVINGTON, NM		

Sample ID: SP 2 @ 15 (H400262-16)

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	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL 109 % 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	Qualifie	
Chloride	304	16.0	01/31/2014	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	01/30/2014	ND	200	99.9	200	2.61		
	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43		

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 20

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

_	(505) 393-2326 FAX (505) 393-247	/6		:		·••: .														
Company Name	BBC International, Inc.			•		El	4.47						ANA	LYSI	S RE	QUE	ST			
Project Manager	Cliff Brunson				Ρ.	0. #:										1		,		
Address: P.O.	Box 805				c	ompany:				1. · ·						. 				
city: Hobbs	State: NM	Zij	zip: 88241			Attn:					ŀ				•					
Phone #: 575-3	97-6388 Fax #: 575	j-39	7-0397			ddress: <	52.1	10			[н н. С		ł					
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Project Name:	Swezringen AF	r e	a	m # 3	State: Zip:				1											
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affinities 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. Phone Result: □ Yes □ No Date: **Received By:** Add'l Phone #: Relinguished By □ No Add'l Fax #: Fax Result: Ves REMARKS: Time: Relinguished By: Date: Received By: fing Sample Condition CHECKED Delivered By: (Circle One) Cool Intact D Sampler - UPS - Bus - Other: 4.7 ۲

t_Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

(303) 393-2320 FAX (303) 393-2470	
Company Name: BBC International, Inc.	BILL TO ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:
Address: P.O. Box 805	Company:
City: Hobbs State: NM Zip: 88241	Attn:
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:
Project #: Project Owner: ØXV	city: MM2
Project Name: DSWEEringen	State: Zip:
Project Location: UDVing, UM	Phone #:
Sampler Name: L.H	Fax #:
FOR LAB USE ONLY	PRESERV SAMPLING
C)OMF FRR	
Lab I.D. Sample I.D.	
Tap I.D. Sample I.D. #400070.5 (5)048 or (5)04 MASTEWATER (6)14	OTHER: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIANA ACIDIBASE: ACIDIANA ACIDIBASE: ACIDIANA ACIDIBASE: ACIDIANA ACIDIA
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Phone #:
Fax #:
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Page 20 of 20

State of New Mexico Energy Minerals and Natural Resources

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

1220 S. St. Fran	cis Dr., San	ta Fe, NM 8750	c	S	anta F	e, NM 875	505					side of form	
	Land and a street		Rel	ease Notifi	catio	n and Co	orrective A	Actio	n	and a specific a			
							ГOR	🛛 Initial Report 🔲 Final Report					
Name of Co		Contact CJ Summers											
	1017 W. S	Telephone No. (575) 397-8216											
Facility Name Swearingen A Fee Com #3							Facility Type Well location						
Surface Owner Private Mineral Owner							API No. 30-015-40071						
				LOC	ATIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/	West Line	County			
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NATURE OF RELEASE Time of Palasce Volume Recovered 100 bbls													
Type of Rele	· · · · · · · · · · · · · · · · · · ·		olume of Release 110 bbls Volume Recovered 100 bbls ate and Hour of Occurrence Date and Hour of Discovery					bis					
Source of Re	icase Ian	Date and Hour of Occurrence Date and H 10/24/2013				riour of Dis	scovery						
Was Immediate Notice Given?							If YES, To Whom?						
		d Mike Bratcher- OCD											
By Whom? Chancey Summers							Date and Hour 10/24/2013 @ 7:28 am						
Was a Watercourse Reached?							If YES, Volume Impacting the Watercours MM OIL CONSERVATION						
If a Watercourse was Impacted, Describe Fully.*							ARTESIA DISTRICT						
					·.	n an a th		•	· ·	JUL		1	
Describe Cau	se of Prob	lem and Reme	dial Action	n Taken.*							-1721	,	
A plugged mainsue was res		used a tank to o	overflow a	nd leak 110 bbls	of oil to	leak onto the	ground. A vacue	um trucl	c recovered	100 bbls of	oil and	the manifold	
Describe Are	a Affected	and Cleanup	Action Tak	en.*									
A plugged m	anifold cau	used a tank to c	overflow a	nd leak 110 bbls oned in accordance					c recovered	100 bbls of	oil and	the manifold	
regulations al public health should their o	l operators or the envi perations l ment. In a	are required t ironment. The nave failed to a addition, NMC	o report an acceptanc adequately)CD accep	is true and comp d/or file certain r e of a C-141 repo investigate and r tance of a C-141	elease no ort by the emediate	otifications ar e NMOCD m e contaminati	nd perform corre- arked as "Final R on that pose a the	ctive act Report" of reat to g	ions for rel loes not rel round water	eases which ieve the ope r, surface wa	may en rator of iter, hur	danger liability nan health	
							OIL CONSERVATION DIVISION						
Signature:	<u> </u>												
Printed Name	Chanc	Approved by District Supervisor:											
Title: HES	Specialist				Approval Date:			Expiration Date:					
E-mail Addre Date: /0/	ss: Char 28/1	ncey.Summers		ne: (575) 397-82		Conditions of Approval:				Attached			
f	ional Sha	ets If Necess		10. (515) 591-04									

* Attach Additional Sheets If Necessary