

Closure Report

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 23 2014

RECEIVED

Site Description

Site Name:	Swearingen A Fee Com #3
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

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 2 to 3 feet across the entire leak area. Then, backfill the site with clean soil.
Remediation Activities:	05/29/2014 to 07/11/2014

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

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 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. 30-015-40071

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	5	23S	28E	330	South	330	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	110 bbls	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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD		
By Whom?	Chancey Summers	Date and Hour	10/24/2013 @ 7:28 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 23 2014

Describe Cause of Problem and Remedial Action Taken.*

RECEIVED

A plugged manifold caused a tank to overflow and leak 110 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved.

Describe Area Affected and Cleanup Action Taken.*

A plugged manifold caused a tank to overflow and leak 110 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved. Remediation will be performed in accordance with an OCD-approved remediation plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:	
Printed Name: Chancey Summers	Approval Date:	Expiration Date:
Title: HES Specialist	Conditions of Approval:	
E-mail Address: Chancey.Summers@oxy.com	Attached <input type="checkbox"/>	
Date: 10/28/13	Phone: (575) 397-8216	

* Attach Additional Sheets If Necessary

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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

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. 30-015-40071

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	5	23S	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 bbls	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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD		
By Whom?	Chancey Summers	Date and Hour	10/24/2013 @ 7:28 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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 leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved.

Describe Area Affected and Cleanup Action Taken.*
A plugged manifold caused a tank to overflow and leak 110 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD on 02/19/2014.

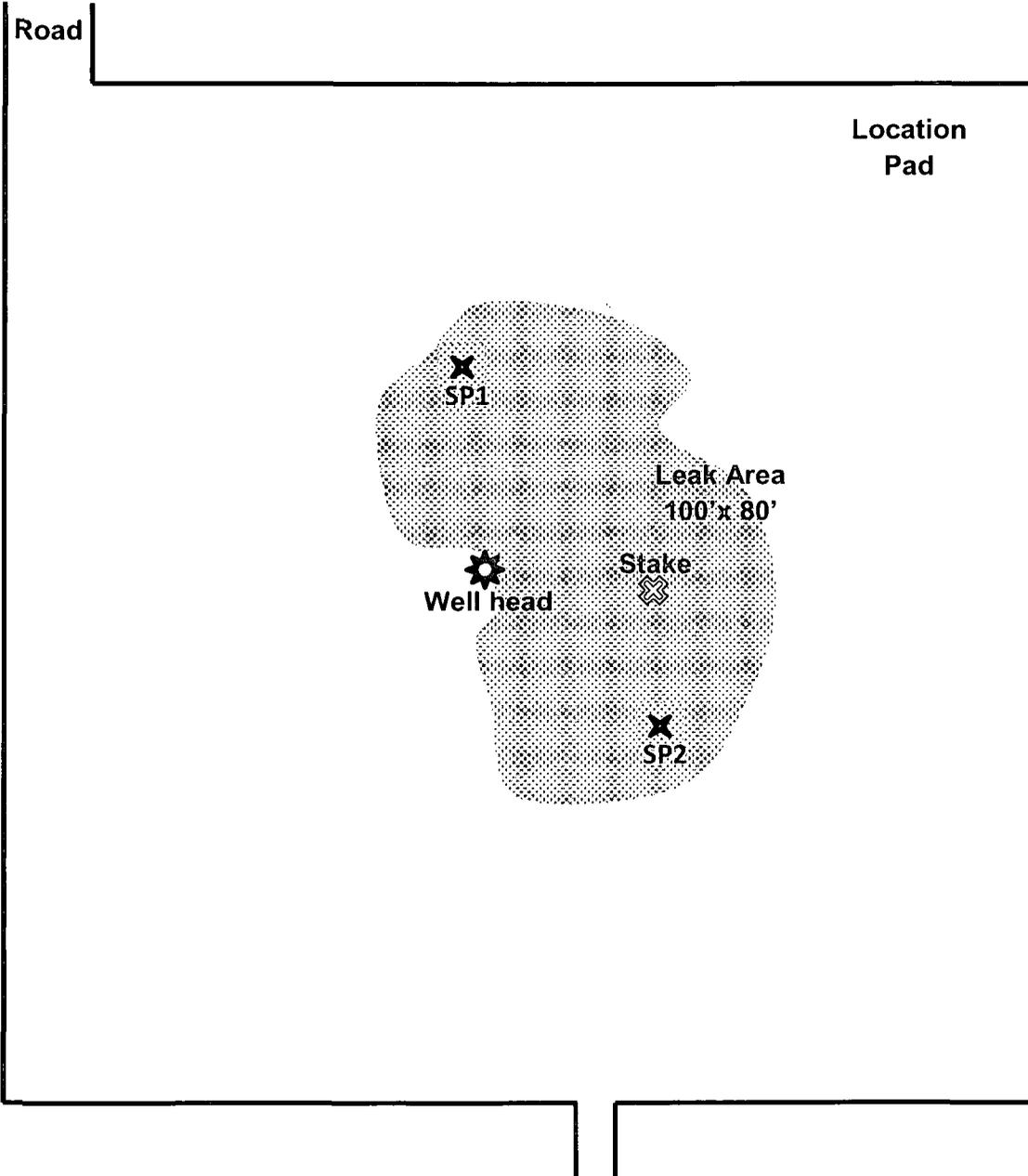
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 7-16-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary



Oxy
Swearingen A Fee Com #3



U/L P, Section 5, T23S, R28E
330' FSL and 330' FEL
Eddy County, NM
N 32.32787° W 104.10225° at stake
API# 30-015-40071

BBC International, Inc.	
Oxy	
Swearingen A Fee Com #3	
Date: 11/11/13	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Swearingen A Fee Com #3

County
Eddy

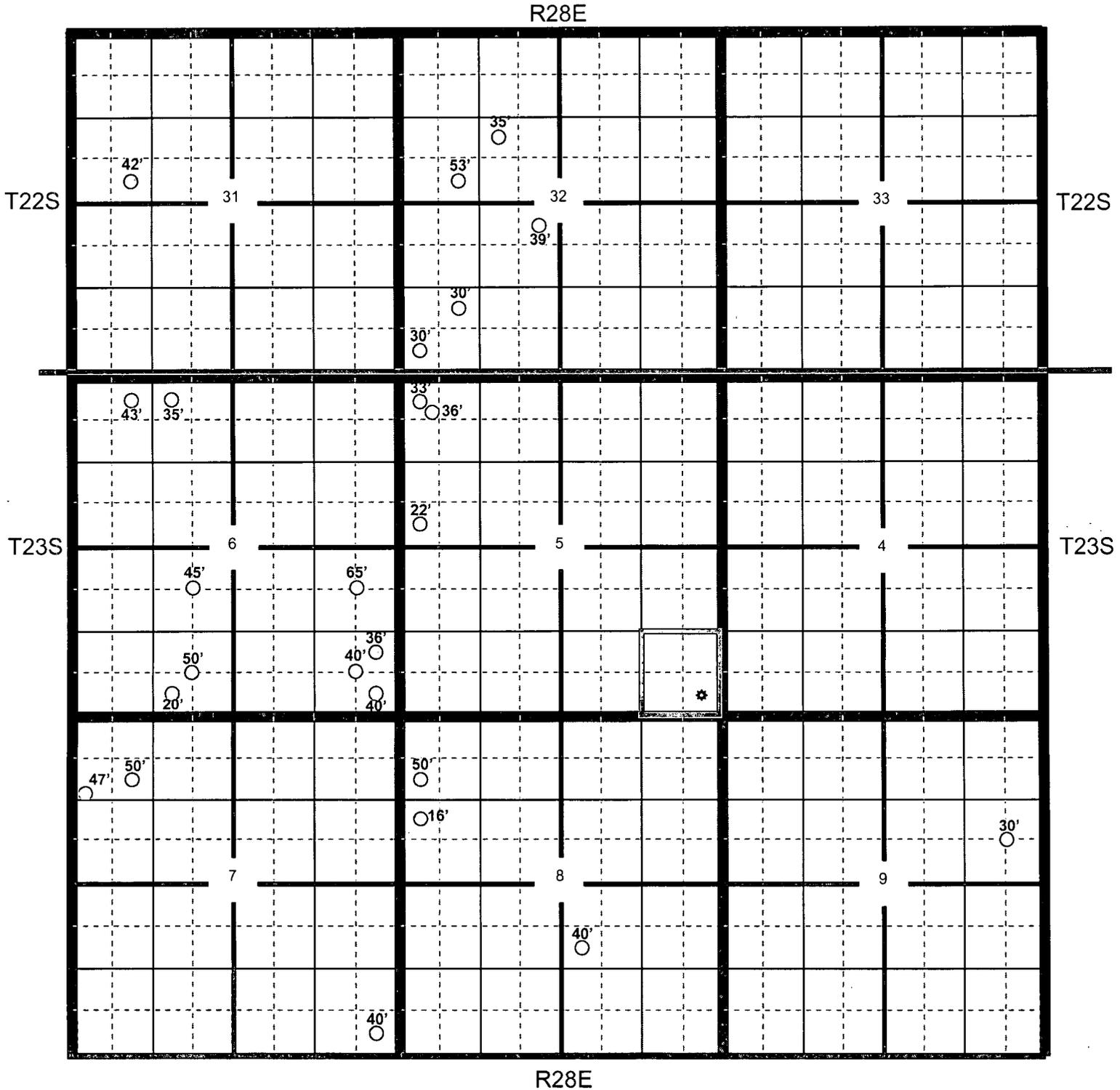
Unit Letter
P

Section
5

Township
23S

Range
28E

Trend Map <50'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

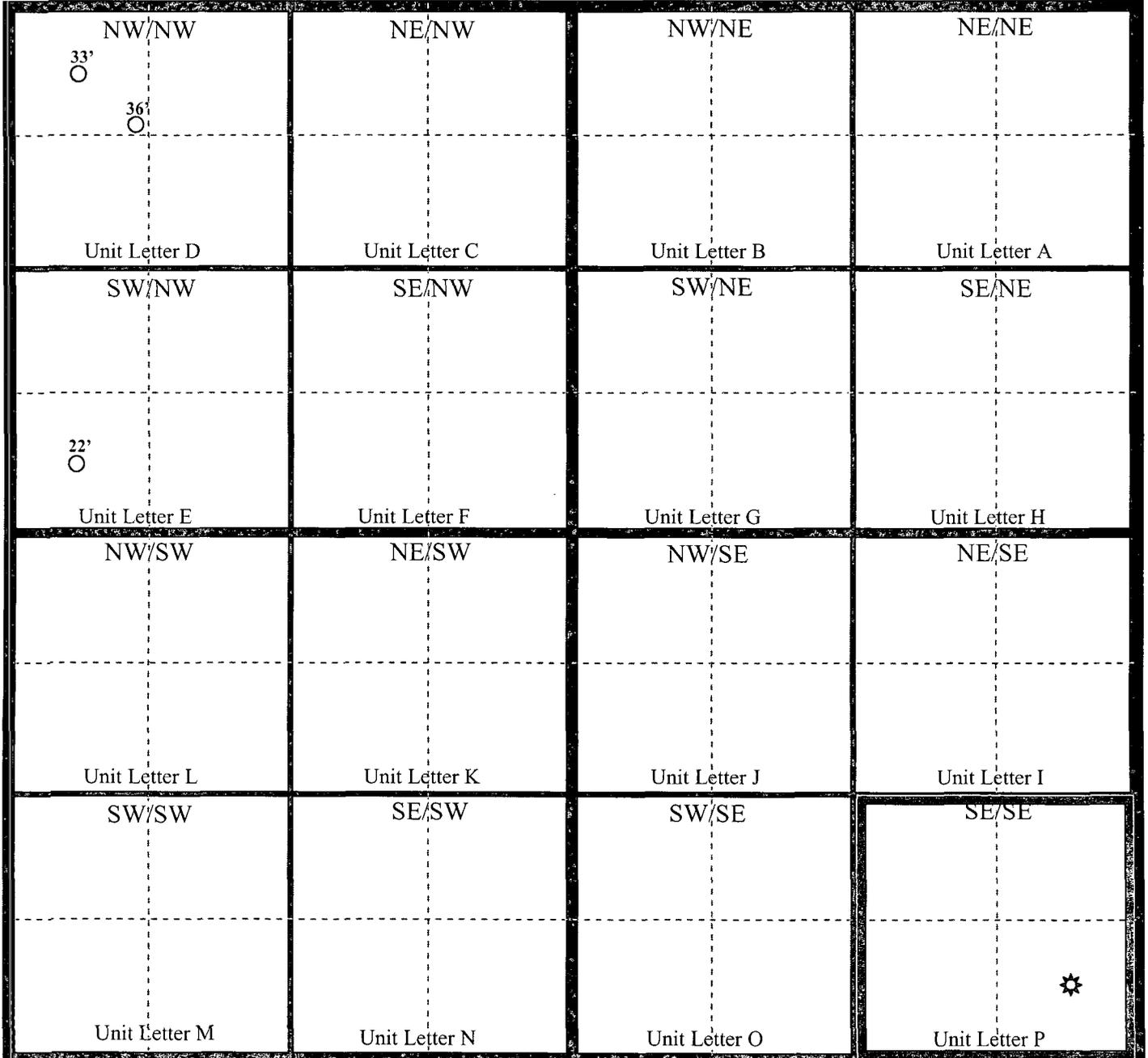
Oxy Swearingen A Fee Com #3

County Eddy Unit Letter P Section 5 Township 23S Range 28E

Trend Map <50'

1

2



3

4

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 accredited 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. 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:	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 (PIE) 139 % 89.4-126

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP				S-04			
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 % 65.2-140

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	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		Analyzed 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 (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

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*=Accredited Analyte

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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:	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		Analyzed 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) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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*=Accredited Analyte

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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:	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		Analyzed 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) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	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	<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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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		Analyzed 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 (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

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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:	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		Analyzed 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) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.0 % 63.6-154

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*=Accredited Analyte

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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:	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		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	2.26	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 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

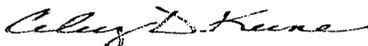
Surrogate: 1-Chlorooctane 84.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

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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		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	2.26	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) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 85.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.1 % 63.6-154

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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		Analyzed 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 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-04	
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		Analyzed 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-Chlorooctane 149 % 65.2-140

Surrogate: 1-Chlorooctadecane 145 % 63.6-154

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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		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	2.26	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 (PIC) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	01/31/2014	ND	416	104	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	01/30/2014	ND	200	99.9	200	2.61		
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43		

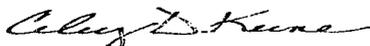
Surrogate: 1-Chlorooctane 79.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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 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 @ 5 (H400262-11)

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	2.26	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 (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140
Surrogate: 1-Chlorooctadecane 86.9 % 63.6-154

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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		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	2.26	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 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.0 % 63.6-154

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 Hobbs NM, 88241
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 Received: 01/27/2014
 Reported: 02/03/2014
 Project Name: SWEARINGEN A FEE COM #3
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NM

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.0 % 63.6-154

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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 @ 11 (H400262-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 (PIC) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.0 % 63.6-154

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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 @ 13 (H400262-15)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	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 (PIE) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

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* = Accredited Analyte

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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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

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: <i>SEME</i>													
Project #: Project Owner: <i>OXY</i>		City:													
Project Name: <i>Sweezingew AFcc Com #3</i>		State: Zip:													
Project Location: <i>Loving, NM</i>		Phone #:													
Sampler Name: <i>RH</i>		Fax #:													

FOR LAB USE ONLY		# CONTAINERS	MATRIX						PRESERV		SAMPLING		DATE	TIME	BT/EX	CL	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
<i>H4ED26Z</i>																	
<i>1</i>	<i>sp1 @ 1</i>	<i>1</i>			<i>X</i>				<i>X</i>			<i>1-27</i>	<i>9:30</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>2</i>	<i>@ 3</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>10:08</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>3</i>	<i>@ 5</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>10:39</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>4</i>	<i>@ 7</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>11:16</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>5</i>	<i>@ 9</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>11:46</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>6</i>	<i>@ 11</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>12:05</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>7</i>	<i>@ 13</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>12:24</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>8</i>	<i>@ 15</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>12:40</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>9</i>	<i>sp2 @ 1</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>12:0</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>10</i>	<i>@ 3</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1:47</i>	<i>X</i>	<i>X</i>	<i>X</i>	

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Relinquished By: <i>[Signature]</i>	Date: <i>1-27-14</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>1-27-14</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler <u>UPS</u> - Bus - Other:	Temperature: <i>4.7°C</i>	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:	
		CHECKED BY: <i>[Signature]</i>		

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

#54

Kathy Purvis

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Thursday, February 20, 2014 7:54 PM
To: 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.

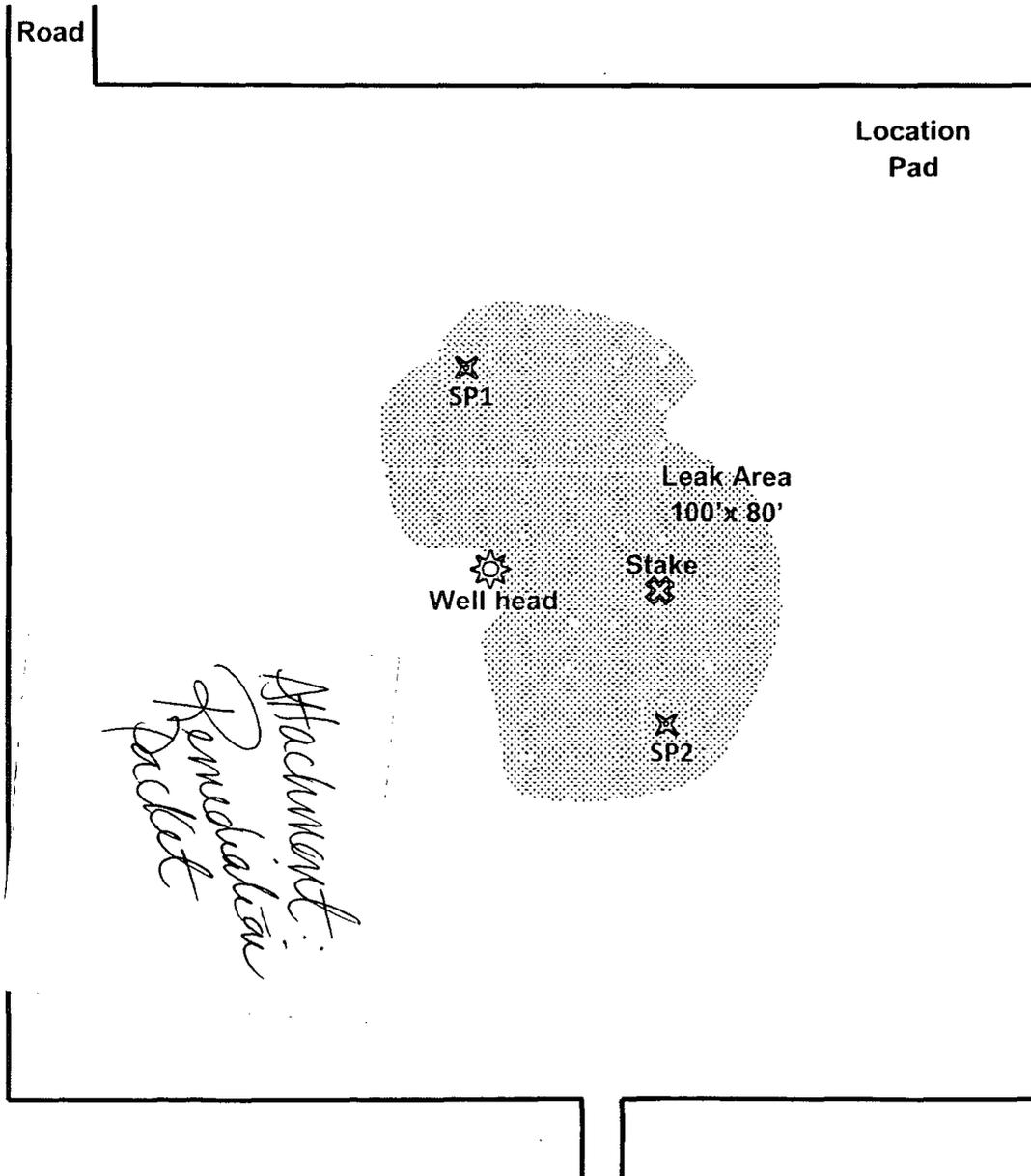
Thanks, Cliff

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: cbrunson@bbcinternational.com

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Oxy
Swearingen A Fee Com #3



U/L P, Section 5, T23S, R28E
330' FSL and 330' FEL
Eddy County, NM
N 32.32787° W 104.10225° at stake
API# 30-015-40071

BBC International, Inc.	
Oxy	
Swearingen A Fee Com #3	
Date: 11/11/13	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2013



Groundwater Plot

Oxy Swearingen A Fee Com #3

County
Eddy

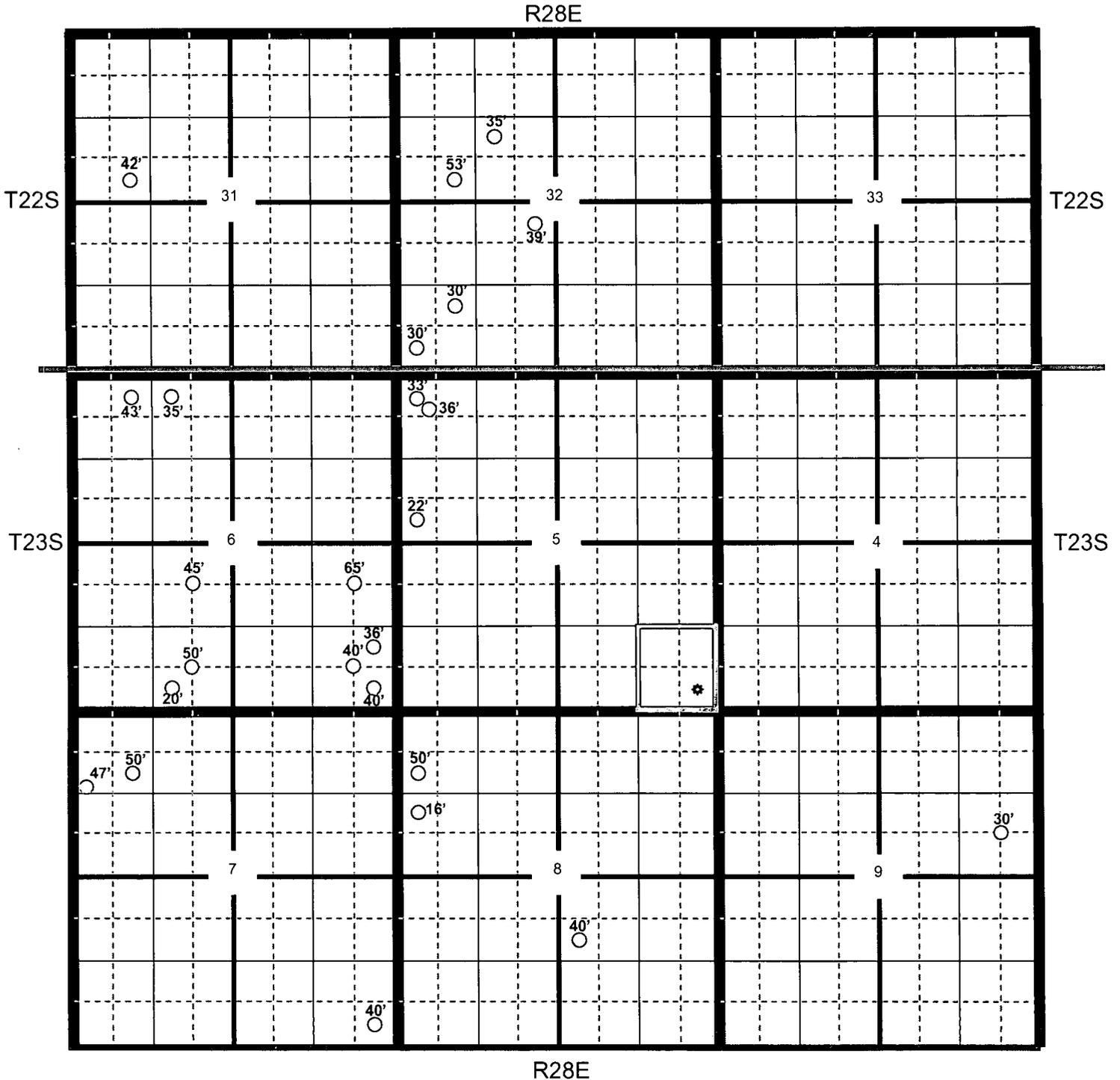
Unit Letter
P

Section
5

Township
23S

Range
28E

Trend Map <50'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

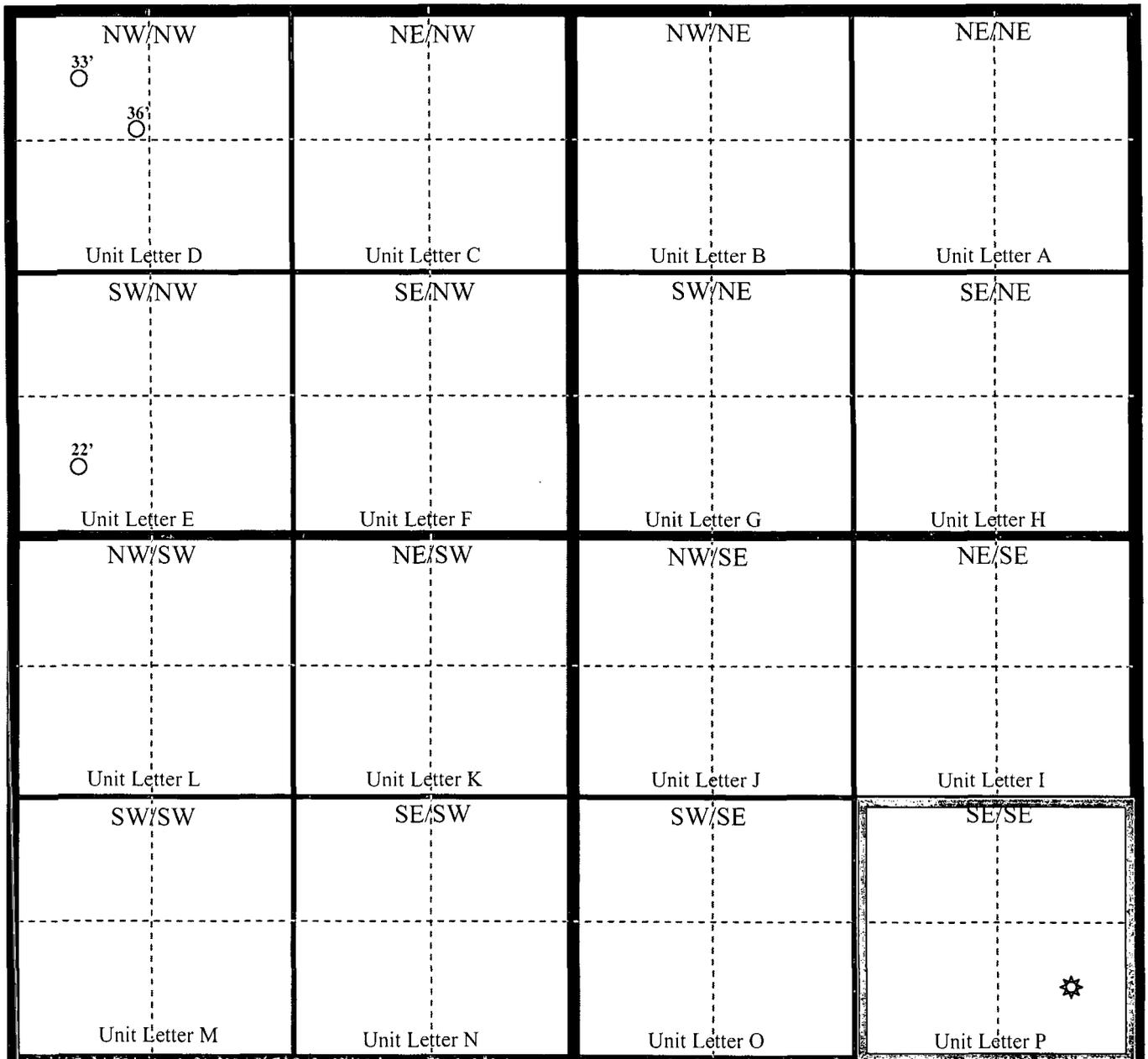
Oxy Swearingen A Fee Com #3

<i>County</i> Eddy	<i>Unit Letter</i> P	<i>Section</i> 5	<i>Township</i> 23S	<i>Range</i> 28E
-----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map <50'

1

2



3

4

★ Location ○ OCD ○ USGS ○ SEO ● All Databases

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 accredited 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. 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: 01/27/2014
 Reported: 02/03/2014
 Project Name: SWEARINGEN A FEE COM #3
 Project Number: NONE GIVEN
 Project Location: LOVINGTON, NM

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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 (PID) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04		
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 % 63.2-140

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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:	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		Analyzed 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 (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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		

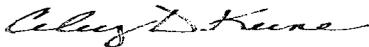
Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.0 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	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		Analyzed 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) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/31/2014	ND	400	100	400	0.00		

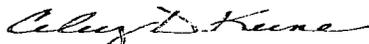
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82		
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 89.5 % 65.2-140
Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	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		Analyzed 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 (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	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	<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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Analytical Results For:

 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		Analyzed 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 (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	01/31/2014	ND	400	100	400	0.00		

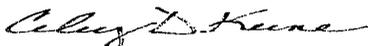
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82		
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 90.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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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		Analyzed 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) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

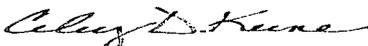
Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.0 % 63.6-154

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 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 @ 13 (H400262-07)

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	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 (PIC) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	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	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 84.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 95.0 % 63.6-154

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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		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	2.26	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 (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/31/2014	ND	400	100	400	0.00		

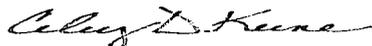
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/29/2014	ND	198	98.9	200	4.82		
DRO >C10-C28	<10.0	10.0	01/29/2014	ND	198	99.0	200	2.28		

Surrogate: 1-Chlorooctane 85.1 % 65.2-140
Surrogate: 1-Chlorooctadecane 87.1 % 63.6-154

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Analytical Results For:

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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		Analyzed 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 (PIE) 162 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-04	
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		Analyzed 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-Chlorooctane 149 % 65.2-140

Surrogate: 1-Chlorooctadecane 145 % 63.6-154

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Analytical Results For:

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 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 @ 3 (H400262-10)

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	2.26	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) 112 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140
Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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 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 @ 5 (H400262-11)

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	2.26	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 (PIC) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.9 % 63.6-154

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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		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	2.26	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 (PIC) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.0 % 63.6-154

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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		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	2.26	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 (PID) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.0 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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:	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		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	2.26	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 (PIC) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.0 % 63.6-154

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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:	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		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	2.26	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) 110 % 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	608	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

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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:	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 (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/31/2014	ND	416	104	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	01/30/2014	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 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

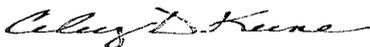
Notes and Definitions

- 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 SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

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: <i>SEME</i>													
Project #: Project Owner: <i>OXY</i>		City:													
Project Name: <i>Swearingen AFCC Com # 3</i>		State: Zip:													
Project Location: <i>Loving, NM</i>		Phone #:													
Sampler Name: <i>RH</i>		Fax #:													

FOR LAB USE ONLY		G/RAB OR (COMIP. # CONTAINERS	MATRIX					PRESERV		SAMPLING		DATE	TIME	BT/EX	CL-	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
H4ED262																
1	SP1 @ 1	G		X					X		1-27	9:30	X	X	X	
2	@ 3	G		X					X			10:06	X	X	X	
3	@ 5	G		X					X			10:39	X	X	X	
4	@ 7	G		X					X			11:16	X	X	X	
5	@ 9	G		X					X			11:46	X	X	X	
6	@ 11	G		X					X			12:05	X	X	X	
7	@ 13	G		X					X			12:24	X	X	X	
8	@ 15	G		X					X			12:40	X	X	X	
9	SP2 @ 1	G		X					X			1:00	X	X	X	
10	@ 3	G		X					X			1:47	X	X	X	

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Relinquished By: <i>[Signature]</i>	Date: _____	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Relinquished By: <i>[Signature]</i>	Date: <i>12/27/14</i>	Received By: <i>Jodi Benson</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Delivered By: (Circle One) Sampler <u>UPS</u> - Bus - Other:	Time: <i>5:00</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	REMARKS:	
	Temperature: <i>4.7°C</i>	CHECKED BY: <i>[Signature]</i>		

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

#54

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 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. 30-015-40071

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	5	23S	28E	330	South	330	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	110 bbls	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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher- OCD		
By Whom?	Chancey Summers	Date and Hour	10/24/2013 @ 7:28 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse			

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 23 2014

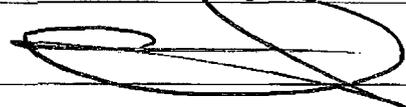
RECEIVED

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 leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved.

Describe Area Affected and Cleanup Action Taken.*
A plugged manifold caused a tank to overflow and leak 110 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the manifold issue was resolved. Remediation will be performed in accordance with an OCD-approved remediation plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10/28/13	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary