

Closure Report

Site Description

Site Name:	State C Trac 11 Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L J, Section 2, T21S, R36E
County:	Lea County, NM
GPS Coordinates:	N 32.50628° W 103.23358°

Release Data

Date of Release:	03/10/2014
Type of Release:	Oil
Source of Release:	Hole in bottom of west oil tank
Volume of Release:	150 bbls
Volume Recovered:	100 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area around SP1 to a depth of 4 feet. Excavate the areas around SP2 and SP3 to a depth of 1 foot. Excavate the area around SP4 to a depth of 2 feet. Excavate the areas around SP5 and SP6 to a depth of 1 foot. Backfill the site with clean soil.	
Remediation Activities:	10/16/2014 to 10/30/2014	
Plan Sent to OCD:	06/26/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	07/01/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 03/12/2014
Final C-141	Signed 11/03/2014
Site Diagram	March 2014
Groundwater Plot	>100'
TOPO Maps	March 2014
Lab Summary	03/19/2014
Lab Analysis	03/19/2014
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.

11/10/2014

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	State C Trac 11 Battery	Facility Type	Battery
Surface Owner	Mineral Owner	API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	2	21S	36E					Lea County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	150 bbls	Volume Recovered	100 bbls
Source of Release	Hole in bottom of west oil tank	Date and Hour of Occurrence	03/10/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/11/2014 @ 9:20 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.*

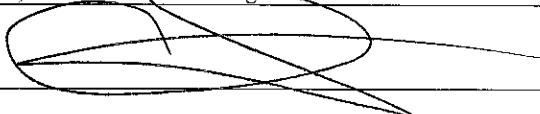
Describe Cause of Problem and Remedial Action Taken.*

A hole in the bottom of the west oil tank caused 150 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the tank was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 800' on location and off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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 Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-12-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

District I
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-141
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Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	State C Trac 11 Battery	Facility Type	Battery

Surface Owner	Mineral Owner	API No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	2	21S	36E					Lea County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	150 bbls	Volume Recovered	100 bbls
Source of Release	Hole in bottom of west oil tank	Date and Hour of Occurrence	03/10/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/11/2014 @ 9:20 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.*

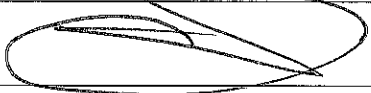
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A hole in the bottom of the west oil tank caused 150 bbls of oil to leak onto the ground. A vacuum truck recovered 100 bbls of oil and the tank was repaired.

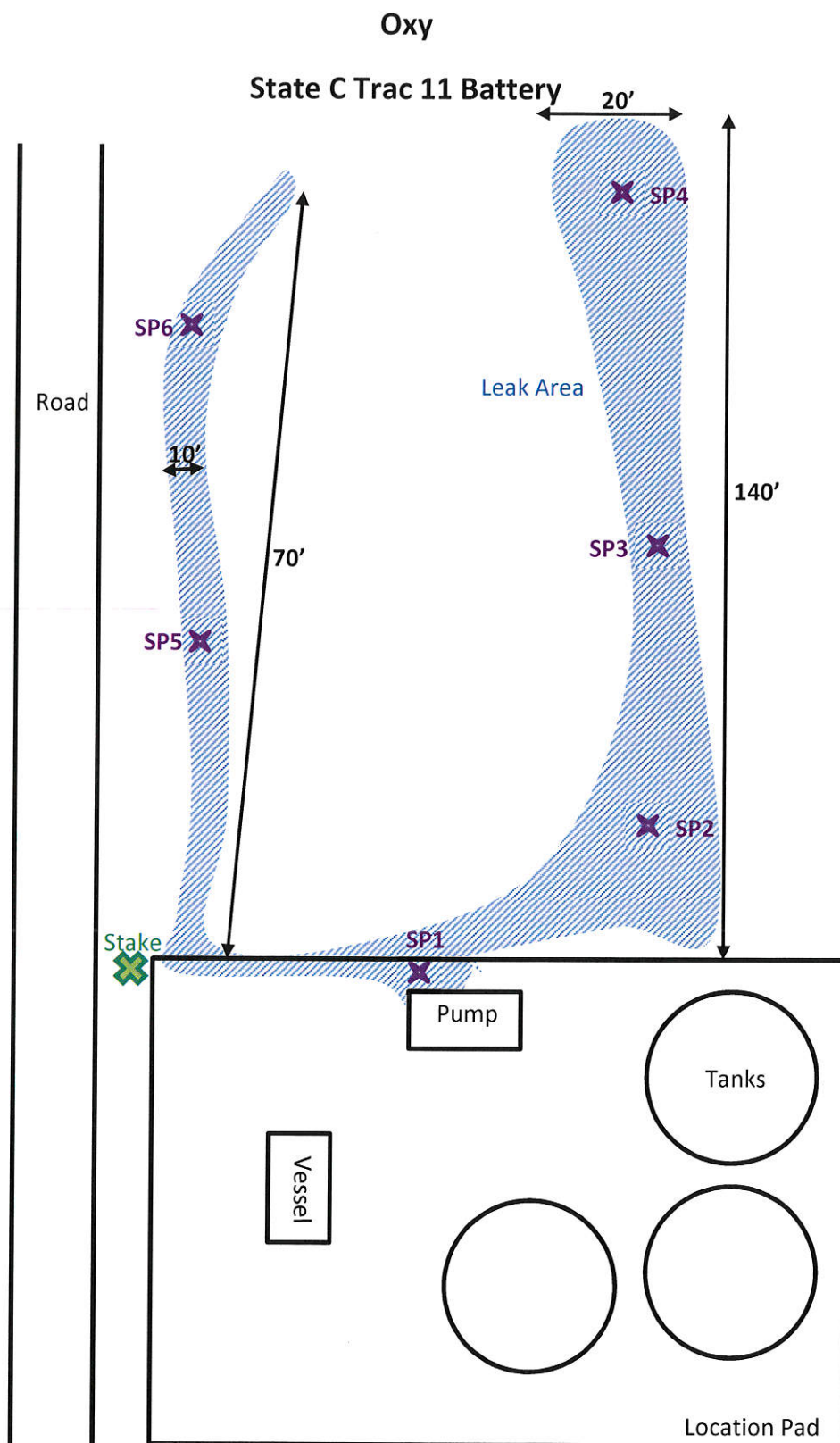
Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 800' on location and off location. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 07/01/2014.

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 Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11-3-14 Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary



Section 2, T21S, R36E
Lea County, NM
N 32.50628° W 103.23358°

BBC International, Inc.

Oxy
State C Trac 11 Battery

Date: 03/18/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

Groundwater Plot

Oxy State C Trac 11 Battery

County
Lea

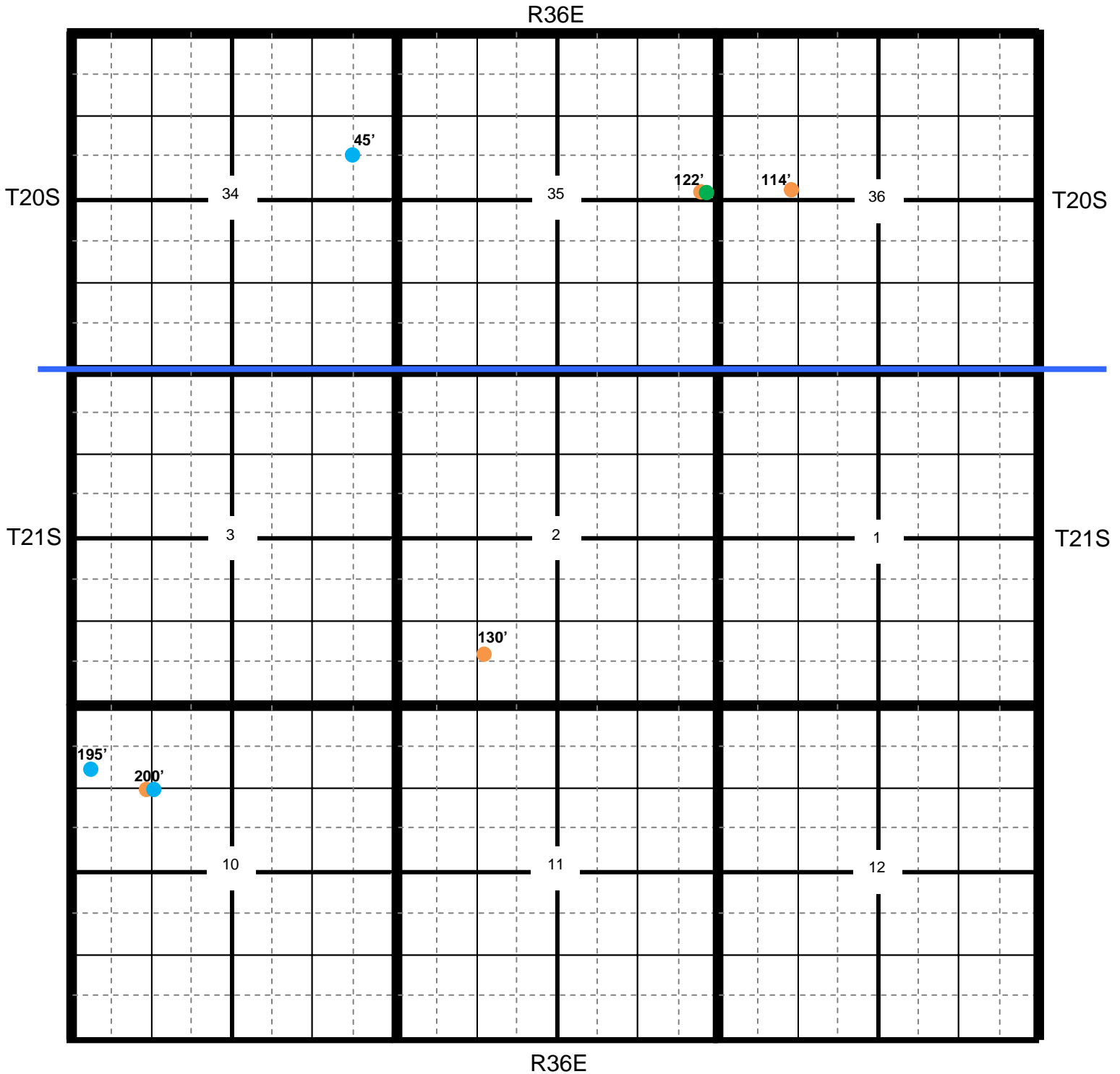
Unit Letter

Section
2

Township
21S

Range
36E

Trend Map >100'



Location

OCD

USGS

SEO

All Databases

Oxy State C Trac 11 Battery

County Unit Letter Section Township Range
Lea 2 21S 36E

Trend Map >100'

1

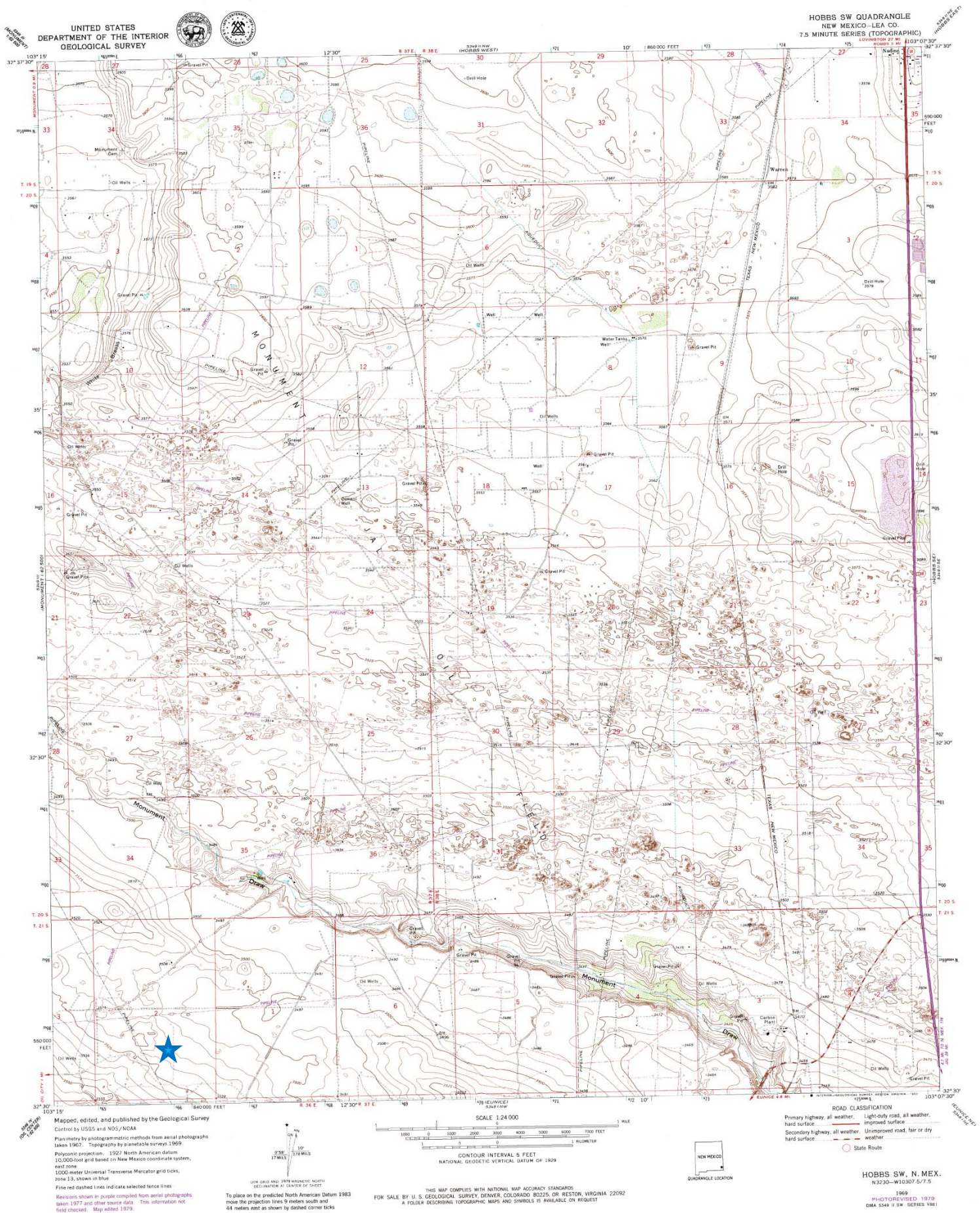
2

NW/NW	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

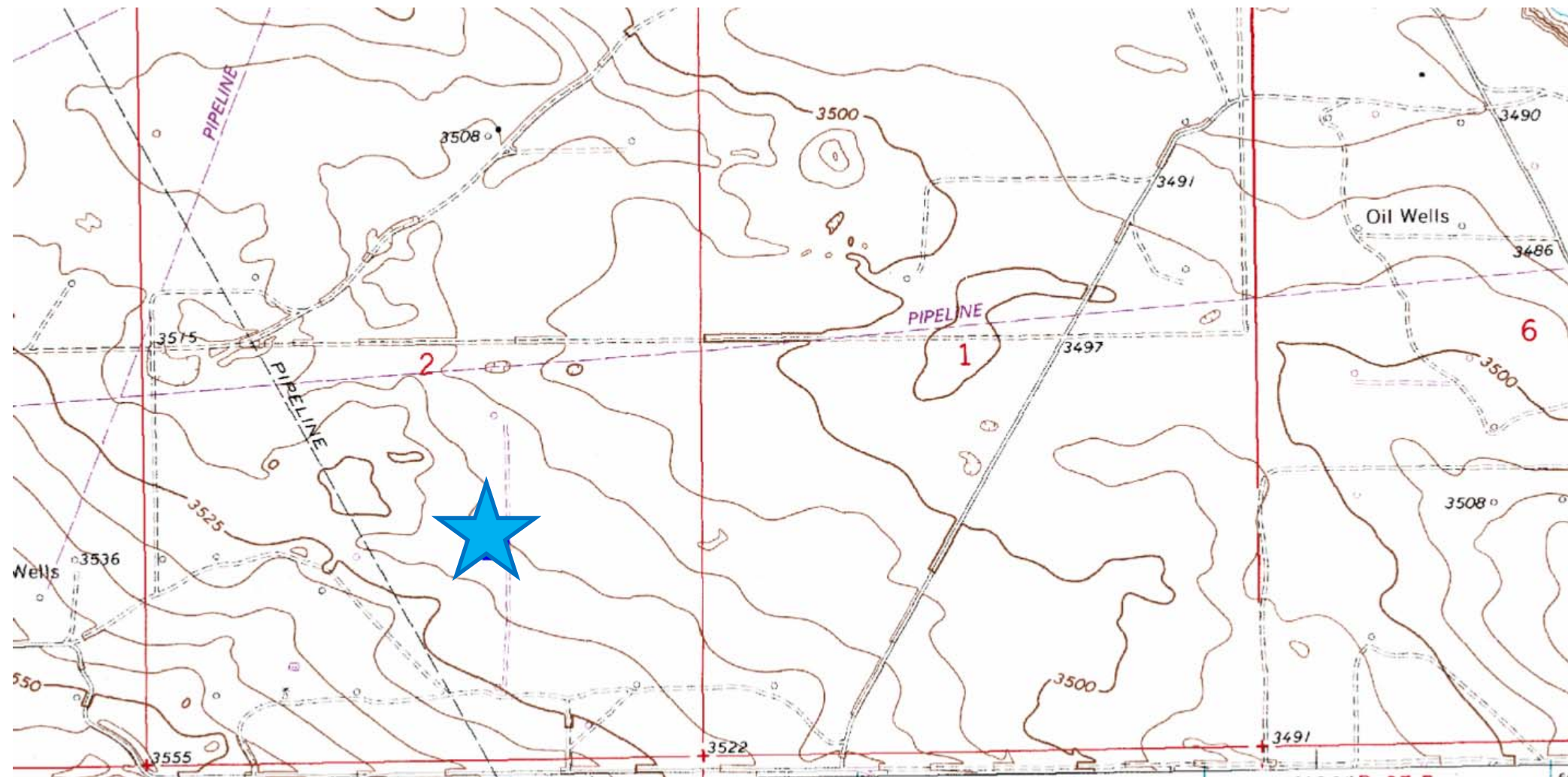
4

Oxy



Oxy

State C Trac 11 Battery



**Laboratory Analytical Results Summary
State C Trac 11 Battery**

		Sample	SP1 @ SURFACE	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.500	<0.200	<0.050
Toluene	BTEX 8021B		0.086	1.96	0.779	<0.050
Ethylbenzene	BTEX 8021B		0.376	5.02	2.98	0.05
Total Xylenes	BTEX 8021B		0.984	9.36	5.93	<0.150
Total BTEX	BTEX 8021B		1.45	16.3	9.69	<0.300
GRO	TPH 8015M		16.4	679	207	<10.0
DRO	TPH 8015M		578	7870	2980	185

		Sample	SP2 @ SURFACE	SP2 @ 2'	SP2 @ 4'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.599	<0.050	<0.050
Toluene	BTEX 8021B		11.5	<0.050	<0.050
Ethylbenzene	BTEX 8021B		25.3	<0.050	<0.050
Total Xylenes	BTEX 8021B		49.4	<0.150	<0.150
Total BTEX	BTEX 8021B		86.8	<0.300	<0.300
GRO	TPH 8015M		753	<10.0	<10.0
DRO	TPH 8015M		12700	234	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 2'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		42.4	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		67.1	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		145	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		255	<0.300	<0.300	<0.300
GRO	TPH 8015M		4550	10.2	<10.0	<10.0
DRO	TPH 8015M		54200	16.6	<10.0	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 2'	SP4 @ 4'	SP4 @ 6'	SP4 @ 8'	SP4 @ 10'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.61	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		28	0.127	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		37.8	0.454	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		79.6	0.786	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		148	1.37	<0.300	<0.300	<0.300	<0.300
GRO	TPH 8015M		1860	58.9	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		61000	2080	<10.0	<10.0	<10.0	<10.0

		Sample	SP5 @ SURFACE	SP5 @ 2'	SP5 @ 4'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		9.47	<0.050	<0.050
Toluene	BTEX 8021B		94.2	<0.050	<0.050
Ethylbenzene	BTEX 8021B		126	<0.050	<0.050
Total Xylenes	BTEX 8021B		222	<0.150	<0.150
Total BTEX	BTEX 8021B		452	<0.300	<0.300
GRO	TPH 8015M		7570	<10.0	<10.0
DRO	TPH 8015M		37100	<10.0	<10.0

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	3/19/14	3/19/14	3/19/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050
Toluene	BTEX 8021B		5.45	<0.050	<0.050
Ethylbenzene	BTEX 8021B		23	<0.050	<0.050
Total Xylenes	BTEX 8021B		50.4	<0.150	<0.150
Total BTEX	BTEX 8021B		78.9	<0.300	<0.300
GRO	TPH 8015M		1920	<10.0	<10.0
DRO	TPH 8015M		11600	<10.0	<10.0

March 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE C TRAC 11 BATTERY

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H400871-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2014	ND	1.87	93.7	2.00	5.14	
Toluene*	0.086	0.050	03/27/2014	ND	2.06	103	2.00	5.24	
Ethylbenzene*	0.376	0.050	03/27/2014	ND	2.17	109	2.00	5.50	
Total Xylenes*	0.984	0.150	03/27/2014	ND	6.30	105	6.00	4.88	
Total BTEX	1.45	0.300	03/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	16.4	10.0	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	578	10.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 99.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 116 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H400871-02)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/27/2014	ND	1.87	93.7	2.00	5.14	
Toluene*	1.96	0.500	03/27/2014	ND	2.06	103	2.00	5.24	
Ethylbenzene*	5.02	0.500	03/27/2014	ND	2.17	109	2.00	5.50	
Total Xylenes*	9.36	1.50	03/27/2014	ND	6.30	105	6.00	4.88	
Total BTEx	16.3	3.00	03/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	679	50.0	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	7870	50.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 175 % 65.2-140

Surrogate: 1-Chlorooctadecane 257 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 Hobbs NM, 88241
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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 4' (H400871-03)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/27/2014	ND	1.87	93.7	2.00	5.14	
Toluene*	0.779	0.200	03/27/2014	ND	2.06	103	2.00	5.24	
Ethylbenzene*	2.98	0.200	03/27/2014	ND	2.17	109	2.00	5.50	
Total Xylenes*	5.93	0.600	03/27/2014	ND	6.30	105	6.00	4.88	
Total BTX	9.69	1.20	03/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 188 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	207	10.0	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	2980	10.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 130 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 6' (H400871-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2014	ND	1.87	93.7	2.00	5.14		
Toluene*	<0.050	0.050	03/27/2014	ND	2.06	103	2.00	5.24		
Ethylbenzene*	0.050	0.050	03/27/2014	ND	2.17	109	2.00	5.50		
Total Xylenes*	<0.150	0.150	03/27/2014	ND	6.30	105	6.00	4.88		
Total BTX	<0.300	0.300	03/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 89.4-126

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	03/26/2014	ND	218	109	200	6.66		
DRO >C10-C28	185	10.0	03/26/2014	ND	196	98.2	200	0.812		

Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H400871-05)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.599	0.500	03/27/2014	ND	1.87	93.7	2.00	5.14	
Toluene*	11.5	0.500	03/27/2014	ND	2.06	103	2.00	5.24	
Ethylbenzene*	25.3	0.500	03/27/2014	ND	2.17	109	2.00	5.50	
Total Xylenes*	49.4	1.50	03/27/2014	ND	6.30	105	6.00	4.88	
Total BTEX	86.8	3.00	03/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 184 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	753	50.0	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	12700	50.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 368 % 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: 03/25/2014
Reported: 03/28/2014
Project Name: STATE C TRAC 11 BATTERY
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 03/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H400871-06)

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	03/27/2014	ND	1.87	93.7	2.00	5.14	
Toluene*	<0.050	0.050	03/27/2014	ND	2.06	103	2.00	5.24	
Ethylbenzene*	<0.050	0.050	03/27/2014	ND	2.17	109	2.00	5.50	
Total Xylenes*	<0.150	0.150	03/27/2014	ND	6.30	105	6.00	4.88	
Total BTEX	<0.300	0.300	03/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

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	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	234	10.0	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

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P.O. Box 805
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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 4' (H400871-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	218	109	200	6.66		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	196	98.2	200	0.812		

Surrogate: 1-Chlorooctane 97.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H400871-08)

BTEx 8021B		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	42.4	5.00	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	67.1	5.00	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	145	15.0	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	255	30.0	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4550	100	03/26/2014	ND	218	109	200	6.66	
DRO >C10-C28	54200	100	03/26/2014	ND	196	98.2	200	0.812	

Surrogate: 1-Chlorooctane 329 % 65.2-140

Surrogate: 1-Chlorooctadecane 1540 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H400871-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	10.2	10.0	03/26/2014	ND	218	109	200	6.66		
DRO >C10-C28	16.6	10.0	03/26/2014	ND	196	98.2	200	0.812		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 4' (H400871-10)

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	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 98.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 5' (H400871-11)

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	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 83.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.8 % 63.6-154

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P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H400871-12)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.61	2.00	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	28.0	2.00	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	37.8	2.00	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	79.6	6.00	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEx	148	12.0	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1860	100	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	61000	100	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 191 % 65.2-140

Surrogate: 1-Chlorooctadecane 2590 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H400871-13)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	0.127	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	0.454	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	0.786	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTX	1.37	0.300	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	58.9	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	2080	10.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 137 % 63.6-154

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Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 4' (H400871-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.7 % 63.6-154

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

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 6' (H400871-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 79.0 % 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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 8' (H400871-16)

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	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 93.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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: 03/25/2014
Reported: 03/28/2014
Project Name: STATE C TRAC 11 BATTERY
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 03/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 10' (H400871-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.2 % 63.6-154

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

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H400871-18)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.47	5.00	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	94.2	5.00	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	126	5.00	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	222	15.0	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEx	452	30.0	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	7570	100	03/27/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	37100	100	03/27/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 299 % 65.2-140

Surrogate: 1-Chlorooctadecane 1180 % 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: 03/25/2014
Reported: 03/28/2014
Project Name: STATE C TRAC 11 BATTERY
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 03/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 2' (H400871-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 97.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ 4' (H400871-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 77.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.0 % 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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H400871-21)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	5.45	2.00	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	23.0	2.00	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	50.4	6.00	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTX	78.9	12.0	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1920	50.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	11600	50.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 175 % 65.2-140

Surrogate: 1-Chlorooctadecane 285 % 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:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ 1' (H400871-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62		
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19		
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89		
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24		
Total BTEX	<0.300	0.300	03/28/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52		
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38		

Surrogate: 1-Chlorooctane 90.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.7 % 63.6-154

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

Received:	03/25/2014	Sampling Date:	03/19/2014
Reported:	03/28/2014	Sampling Type:	Soil
Project Name:	STATE C TRAC 11 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ 2' (H400871-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

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	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	

Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, 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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:								
Project Manager: Cliff Brunson		Company:								
Address: P.O. Box 805		Attn:								
City: Hobbs		Address:								
State: NM Zip: 88241		City:								
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Zip:								
Project #: Project Owner: Oxy		Phone #:								
Project Name: State C Trac 11 Battery		Fax #:								
Project Location: Lea County, NM										
Sampler Name: Gary Ray										
FOR LAB USE ONLY										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX
H400871	SP1 @ SURFACE	G	1	GROUNDWATER			3/19/14	10:00 AM	✓	✓
1 #	SP1 @ 2'	G	1	WASTEWATER			3/19/14	10:25 AM	✓	✓
2 #	SP1 @ 4'	G	1	SOIL			3/19/14	10:55 AM	✓	✓
3 #	SP1 @ 6'	G	1	OIL			3/19/14	11:28 AM	✓	✓
4 #	SP2 @ SURFACE	G	1	SLUDGE			3/19/14	11:45 AM	✓	✓
5 #	SP2 @ 2'	G	1	OTHER :			3/19/14	12:25 PM	✓	✓
6 #	SP2 @ 4'	G	1	ACID/BASE:			3/19/14	12:49 PM	✓	✓
7 #	SP3 @ SURFACE	G	1	ICE / COOL			3/19/14	1:00 PM	✓	✓
8 #	SP3 @ 2'	G	1	OTHER :			3/19/14	1:30 PM	✓	✓
9 #	SP3 @ 4'	G	1				3/19/14	1:53 PM	✓	✓
10 #										
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including but not limited to, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.										
Relinquished By: <i>Cardinal</i>		Date: 3/19/14		Received By: <i>John Menden</i>		REMARKS:				
Relinquished By: <i>Cardinal</i>		Time: 9:00		Received By: <i>John Menden</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:				
Delivered By: (Circle One)		Time: 1:20		Sample Condition		CHECKED BY: (Initials)				
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>						
Sampler - UPS - Bus - Other:										

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

#54



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:								
Project Manager: Cliff Brunson		Company:								
Address: P.O. Box 805		Attn:								
City: Hobbs		Address:								
State: NM Zip: 88241		City:								
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Zip:								
Project #: Project Owner: Oxy		Phone #:								
Project Name: State C Trac 11 Battery		Fax #:								
Project Location: Lea County, NM										
Sampler Name: Gary Ray										
FOR LAB USE ONLY										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX
440891	SP3 @ 5'	6	1	✓	✓	✓	3/19/14	2:05 PM	✓	✓
	SP4 @ SURFACE	6	1	✓	✓	✓	3/19/14	2:10 PM	✓	✓
	SP4 @ 2'	6	1	✓	✓	✓	3/19/14	2:24 PM	✓	✓
	SP4 @ 4'	6	1	✓	✓	✓	3/19/14	2:40 PM	✓	✓
	SP4 @ 6'	6	1	✓	✓	✓	3/19/14	2:55 PM	✓	✓
	SP4 @ 8'	6	1	✓	✓	✓	3/19/14	3:15 PM	✓	✓
	SP4 @ 10'	6	1	✓	✓	✓	3/19/14	3:30 PM	✓	✓
	SP5 @ SURFACE	6	1	✓	✓	✓	3/19/14	3:40 PM	✓	✓
	SP5 @ 2'	6	1	✓	✓	✓	3/19/14	4:00 PM	✓	✓
	SP5 @ 4'	6	1	✓	✓	✓	3/19/14	4:20 PM	✓	✓

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Relinquished By: <i>Sam Fay</i>	Date: <i>3/19/14</i>	Time: <i>5:00pm</i>	Received By: <i>Heidi Henderson</i>	Date: <i>3/19/14</i>	Time: <i>9:00</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>1.20</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	CHECKED BY: <i>HS</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Add'l Phone #: <i>#54</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
REMARKS:					



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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#54

Kathy Purvis

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Tuesday, July 01, 2014 2:42 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OCD Concurrence with Various OXY Remediation Plans

Cliff

The OCD concurs with the :

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

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

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leking@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Thursday, June 26, 2014 8:30 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-State C Trac 11 Battery-Remediation Plan

Geoff,

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

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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Shipping Address:
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