

Closure Report

RECEIVED

By OCD; Dr. Oberding at 8:43 am, Mar 06, 2015

Site Description

Site Name:	Federal 27 #1 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L N, Section 27, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.35611° W 103.66370°

Release Data

Date of Release:	04/14/2014
Type of Release:	Oil
Source of Release:	Tank overflow due to dump valve malfunction on heater treater
Volume of Release:	40 bbls
Volume Recovered:	35 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 6 inches across the entire leak site. Then, backfill the site with clean soil.	
Remediation Activities:	02/16/2015 to 02/20/2015	
Plan Sent to OCD:	10/14/2015	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	10/15/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	10/14/2015	Email from Cliff Brunson to James Amos
BLM Approval of Plan:	10/14/2015	Verbal approval James Amos to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 04/15/2014
Final C-141	Signed 02/27/2015
Site Diagram	April 2014
Groundwater Plot	425'
TOPO Maps	April 2014
Lab Summary	08/20/2014
Lab Analysis	08/20/2014
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.

03/05/2015

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	Federal 27 #1 CTB	Facility Type	Gathering
Surface Owner	BLM	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
	27	22S	32E					Lea

Latitude N 32.35611° Longitude W 103.66351°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	40 bbls oil	Volume Recovered	35 bbls
Source of Release	Dump valve malfunction on the heater treater caused the tanks to overflow	Date and Hour of Occurrence	04/14/14	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; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:50 pm		
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.*

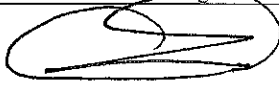
Describe Cause of Problem and Remedial Action Taken.*

A dump valve malfunctioned on the heater treater causing the tanks to overflow and spill 40 bbls of oil onto the ground. A vacuum truck recovered 35 bbls of oil and the dump valve was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10'x 60' on and off location. Remediation will be performed in accordance with a plan approved by NMOCD and BLM.

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: 4-15-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Federal 27 #1 CTB	Facility Type	Gathering

Surface Owner	BLM	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
	27	22S	32E					Lea

Latitude N 32.35611° Longitude W 103.66351°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	40 bbls oil	Volume Recovered	35 bbls
Source of Release	Dump valve malfunction on the heater treater caused the tanks to overflow	Date and Hour of Occurrence	04/14/14	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; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/14/14 @ 3:50 pm		
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 dump valve malfunctioned on the heater treater causing the tanks to overflow and spill 40 bbls of oil onto the ground. A vacuum truck recovered 35 bbls of oil and the dump valve was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 10'x 60' on and off location. Remediation was completed according the remediation plan approved by Tomas Oberding of NMOCD via email on 10/15/2014 and approved by Jim Amos of the BLM.

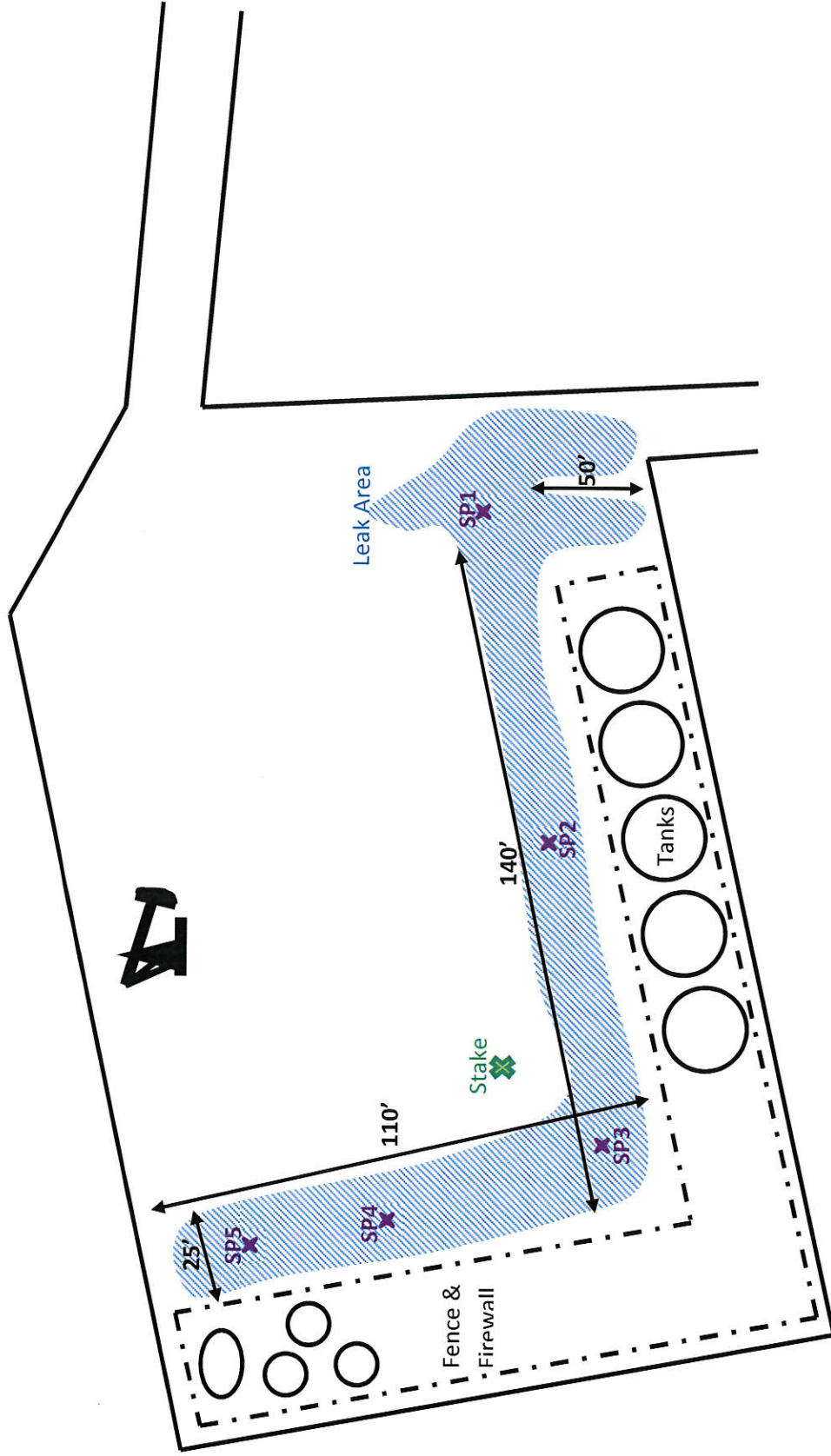
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: Chris Jones <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o=ou, email=ckjones88@yahoo.com, c=US Date: 2015.02.27 14:25:31 -06'00'</small>	OIL CONSERVATION DIVISION		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>2/27/15</u>	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary



Oxy
Federal 27 #1 CTB



U/L N, Section 27, T22S, R32E
Lea County, NM
N 32.35611° W 103.66370°

BBC International, Inc.

Oxy

Federal 27 #1 CTB

Date: 04/22/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



Groundwater Plot

Oxy Federal 27 #1 CTB

County
Lea

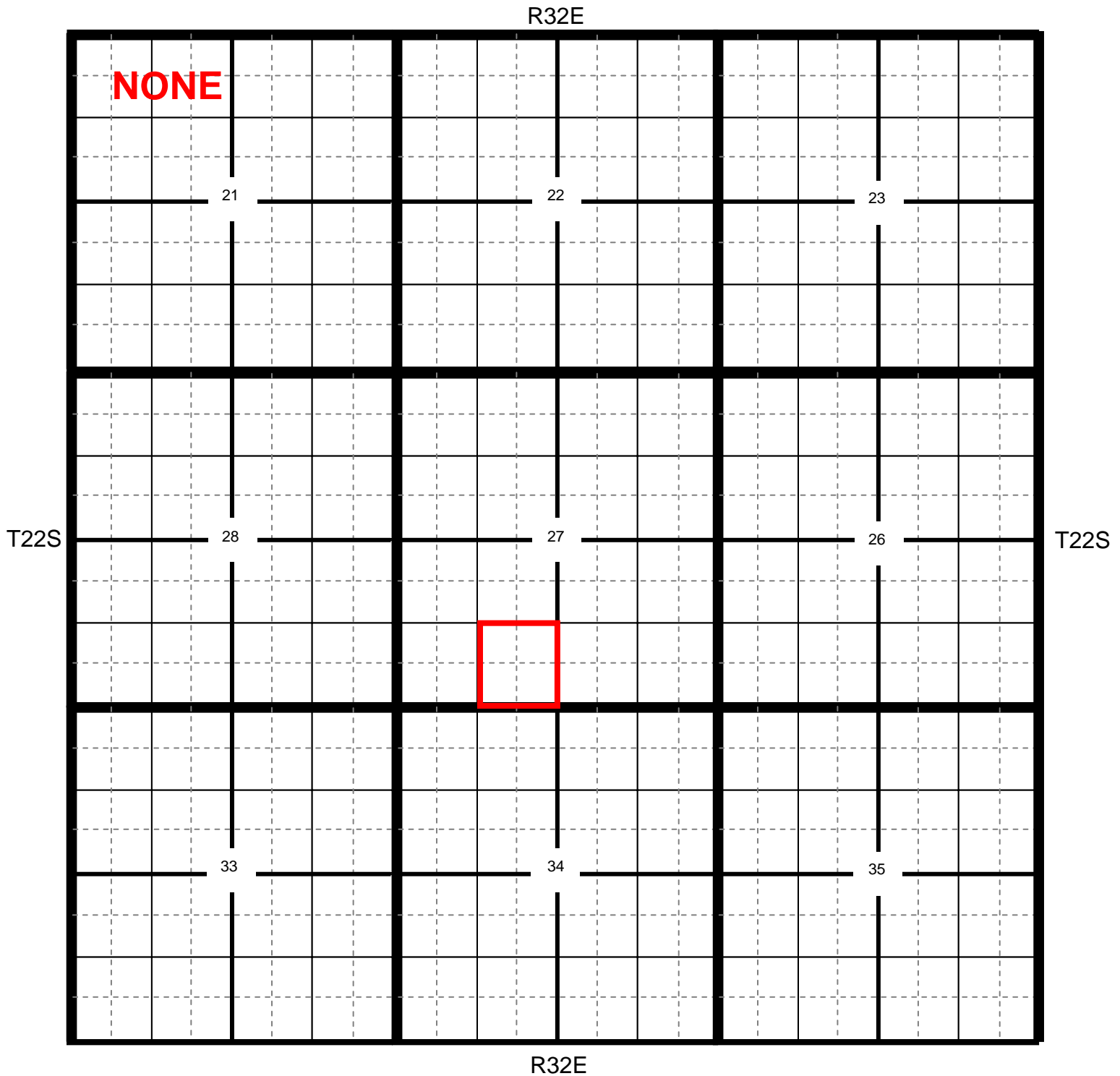
Unit Letter
N

Section
27

Township
22S

Range
32E

Trend Map 425'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Federal 27 #1 CTB

County	Unit Letter	Section	Township	Range
Lea	N	27	22S	32E

Trend Map 425'

1

2

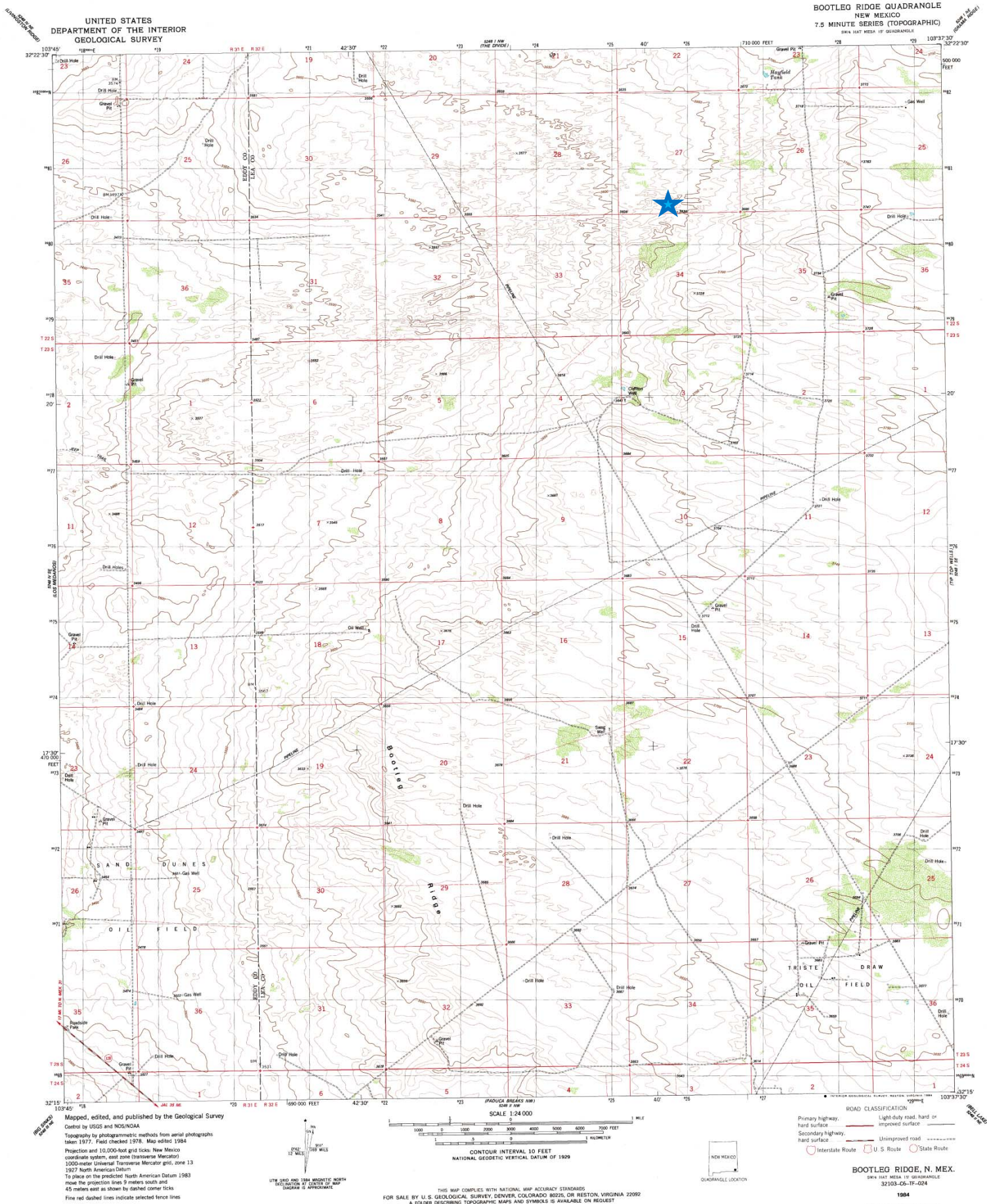
NW/NW NONE	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

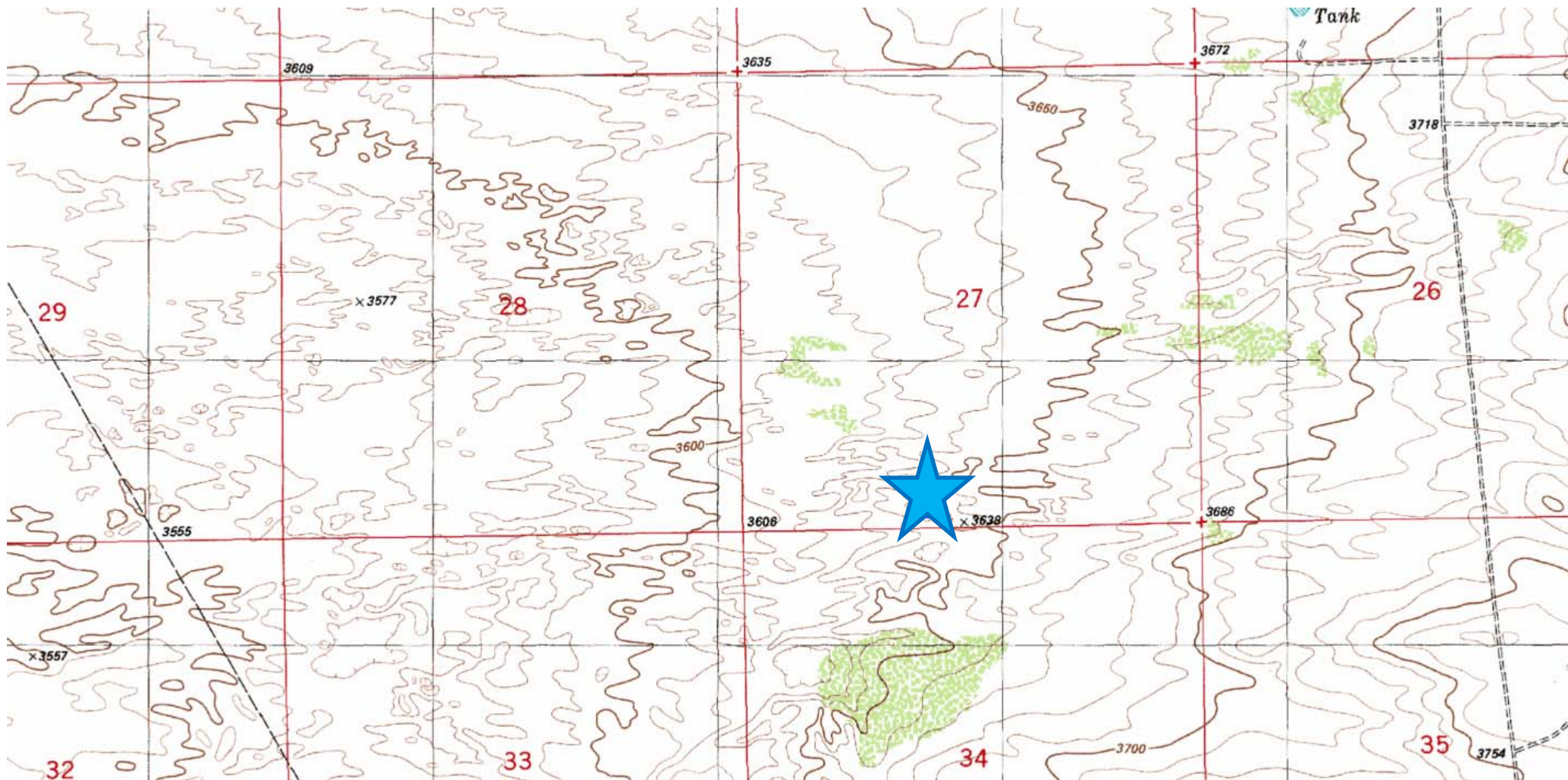
OXY

Federal 27 #1 CTB



Oxy

Federal 27 #1 CTB



**Laboratory Analytical Results Summary
Federal 27 #1 CTB**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/20/14	8/20/14	8/20/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		512	352	112
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	8/20/14	8/20/14	8/20/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		512	480	288
GRO	TPH 8015M		<10.0	<10.0	<20.0
DRO	TPH 8015M		<10.0	<10.0	<20.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	8/20/14	8/20/14	8/20/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		128	128	176
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		12.4	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 4'
Analyte	Method	Date	8/20/14	8/20/14	8/20/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		208	112	496
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	13.6

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 4'
Analyte	Method	Date	8/20/14	8/20/14	8/20/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80	80	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	11.1

August 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/22/14 9:31.

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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H402581-01)

BTX 8021B			mg/kg		Analyzed By: ck				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71	
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09	
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45	
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39	
Total BTX	<0.300	0.300	08/27/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/26/2014	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	201	100	200	3.35	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	220	110	200	3.88	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H402581-02)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	352	16.0	08/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	201	100	200	3.35	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	220	110	200	3.88	

Surrogate: 1-Chlorooctane 92.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ 3' (H402581-03)

BTEx 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTEx	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	112	16.0	08/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	201	100	200	3.35	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	220	110	200	3.88	

Surrogate: 1-Chlorooctane 99.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H402581-04)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2014	ND	2.03	101	2.00	5.49	
Toluene*	<0.050	0.050	08/25/2014	ND	2.07	103	2.00	5.85	
Ethylbenzene*	<0.050	0.050	08/25/2014	ND	2.09	104	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/25/2014	ND	6.46	108	6.00	5.02	
Total BTX	<0.300	0.300	08/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	512	16.0	08/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	201	100	200	3.35	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	220	110	200	3.88	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 3' (H402581-05)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2014	ND	2.03	101	2.00	5.49	
Toluene*	<0.050	0.050	08/25/2014	ND	2.07	103	2.00	5.85	
Ethylbenzene*	<0.050	0.050	08/25/2014	ND	2.09	104	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/25/2014	ND	6.46	108	6.00	5.02	
Total BTX	<0.300	0.300	08/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	480	16.0	08/26/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	201	100	200	3.35	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	220	110	200	3.88	

Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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 Cliff Brunson
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Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 2 @ 4' (H402581-06)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2014	ND	2.03	101	2.00	5.49	
Toluene*	<0.050	0.050	08/25/2014	ND	2.07	103	2.00	5.85	
Ethylbenzene*	<0.050	0.050	08/25/2014	ND	2.09	104	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/25/2014	ND	6.46	108	6.00	5.02	
Total BTX	<0.300	0.300	08/25/2014	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	288	16.0	08/26/2014	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	<20.0	20.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<20.0	20.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 131 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

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Fax To: (575) 397-0397

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H402581-07)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2014	ND	2.03	101	2.00	5.49	
Toluene*	<0.050	0.050	08/25/2014	ND	2.07	103	2.00	5.85	
Ethylbenzene*	<0.050	0.050	08/25/2014	ND	2.09	104	2.00	5.97	
Total Xylenes*	<0.150	0.150	08/25/2014	ND	6.46	108	6.00	5.02	
Total BTX	<0.300	0.300	08/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	08/26/2014	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	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	12.4	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 119 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H402581-08)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	128	16.0	08/26/2014	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	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 3 @ 4' (H402581-09)

BTEx 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTEx	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	176	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

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Fax To: (575) 397-0397

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H402581-10)

BTEx 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTEx	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	208	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H402581-11)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 128 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Fax To: (575) 397-0397

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 4' (H402581-12)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	13.6	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 132 % 63.6-154

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Fax To: (575) 397-0397

Received:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H402581-13)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 122 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 2' (H402581-14)

BTEx 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTEx	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	<10.0	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 137 % 65.2-140

Surrogate: 1-Chlorooctadecane 149 % 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:	08/22/2014	Sampling Date:	08/20/2014
Reported:	08/28/2014	Sampling Type:	Soil
Project Name:	FEDERAL 27 #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 5 @ 4' (H402581-15)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2014	ND	1.91	95.4	2.00	1.71		
Toluene*	<0.050	0.050	08/27/2014	ND	1.76	88.0	2.00	2.09		
Ethylbenzene*	<0.050	0.050	08/27/2014	ND	1.97	98.7	2.00	2.45		
Total Xylenes*	<0.150	0.150	08/27/2014	ND	5.88	98.0	6.00	2.39		
Total BTX	<0.300	0.300	08/27/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	08/26/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/26/2014	ND	200	99.9	200	1.16	
DRO >C10-C28	11.1	10.0	08/26/2014	ND	205	103	200	0.134	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 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.
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

1 of 2

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson		P.O. #:																			
Address: P.O. Box 805		Company:																			
City: Hobbs		Attn:																			
State: NM Zip: 88241		Address:																			
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																			
Project #: Project Owner: Oxy		State: Zip:																			
Project Name: FEDERAL 27 #1 CTB		Phone #:																			
Project Location: Lea County, NM		Fax #:																			
Sampler Name: Price Brunson		PRESERV:		SAMPLING																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX		PRESERV		SAMPLING													
		# CONTAINERS																			
		GROUNDWATER																			
		WASTEWATER																			
		SOIL																			
		OIL																			
		SLUDGE																			
		OTHER:																			
		ACID/BASE:																			
		ICE / COOL																			
		OTHER:																			
		DATE		TIME																	
1407561	SP1 @ 1'	8/20/14		9:40 AM						TPH											
1	SP1 @ 2'	8/20/14		9:50 AM						BTEX											
2	SP1 @ 3'	8/20/14		10:00 AM						CL ⁻											
3	SP2 @ 1'	8/20/14		10:15 AM																	
4	SP2 @ 3'	8/20/14		10:40 AM																	
5	SP2 @ 4'	8/20/14		10:45 AM																	
6	SP3 @ 1'	8/20/14		12:40 PM																	
7	SP3 @ 3'	8/20/14		1:00 PM																	
8	SP3 @ 4'	8/20/14		1:10 PM																	
9	SP4 @ 1'	8/20/14		1:15 PM																	
10																					
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Relinquished By: [Signature]		Date: 8/20/14		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:													
Time: 5:00						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:													
Relinquished By: [Signature]		Date: 8-22-14		Received By: [Signature]																	
Time: 9:31																					
Delivered By: (Circle One) [Signature]		Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: [Signature]																	
Sampler - UPS - Bus - Other: 1.02		<input type="checkbox"/> Yes <input type="checkbox"/> No																			

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

#54



101 East Marland, Hobbs, NM 88240
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2042

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

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Wednesday, October 15, 2014 9:55 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; jamos@blm.gov; james_amos@blm.gov
Subject: RE: OXY - Federal 27 #1 CTB - Remediation Plan

Aloha Mr. Brunson et al,

Thank you for sending this document.

Please consider this the OCD notice of receipt.

Based on the sample results provided, OCD conditionally approved the scope of work as outlined in the email.

The condition for approval is input and concurrence by the BLM.

Please keep us updated as the situation warrants.

Mahalo for your continued diligence.

-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/oed/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Tuesday, October 14, 2014 7:14 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Federal 27 #1 CTB - Remediation Plan

Tomas,

This e-mail is to confirm our conversation on September 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 6 inches in 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
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World-Wide Environmental Specialists
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Hobbs, NM 88241-0805 USA
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