

Closure Report

Site Description

Site Name:	Red Tank 34 Federal #2 CTB
Company:	Oxy Permian Ltd.
Legal Description:	U/L H, Section 34, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.34968° W 103.65624°

Release Data

Date of Release:	02/25/2014
Type of Release:	Oil and Produced water
Source of Release:	2" steel production line
Volume of Release:	0.5 bbl of oil and 20.5 bbls of produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 3 feet in the entire leak area. Install a clay liner in the area at the north end by SP1. Take sidewall confirmation samples. Backfill the site with clean soil.	
Remediation Activities:	07/11/2014 to 09/11/2014	
Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	04/05/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	04/07/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 03/03/2014
Final C-141	Signed 09/16/2014
Site Diagram	March 2014
Groundwater Plot	450'
TOPO Maps	March 2014
Lab Summary	03/06/2014 and 08/07/2014
Lab Analysis	03/06/2014 and 08/07/2014
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.

09/25/2014

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 USA Inc.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 CTB	Facility Type	Battery
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
	34	22S	32E					Lea County, NM

Latitude N 32.34976° Longitude W 103.65597°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl of oil and 20.5 bbls of produce water	Volume Recovered	0 bbls
Source of Release	2" steel line production line	Date and Hour of Occurrence	2/25/2014	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?	Goeffrey Leking- NMOCD, Jennifer Van Curen- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	02/26/2014 @ 3:44 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 leak in the 2 inch steel line from the production separator to the tanks spilled 0.5 bbl of oil and 20.5 bbls of produced water onto the ground. No fluids were recovered and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area was approximately 14' x 22' inside the berm. Remediation will be completed in accordance with a plan approved by both the NMOCD and 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Coordinator	Approval Date:	Expiration Date:	
E-mail Address: Chancey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>3-3-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

District I
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.
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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 USA Inc.	Contact Chancey Summers
Address 1017 W. Stanolind Rd, Hobbs, NM	Telephone No. (575) 397-8216
Facility Name Red Tank 34 Federal #2 CTB	Facility Type Battery

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
	34	22S	32E					Lea County, NM

Latitude N 32.34976° Longitude W 103.65597°

NATURE OF RELEASE

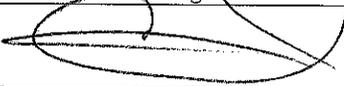
Type of Release Oil and Produced water	Volume of Release 0.5 bbl of oil and 20.5 bbls of produce water	Volume Recovered 0 bbls
Source of Release 2 " steel line production line	Date and Hour of Occurrence 2/25/2014	Date and Hour of Discovery
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking- NMOCD, Jennifer Van Curen- BLM	
By Whom? Kathy Purvis, BBC International	Date and Hour 02/26/2014 @ 3:44 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 leak in the 2 inch steel line from the production separator to the tanks spilled 0.5 bbl of oil and 20.5 bbls of produced water onto the ground. No fluids were recovered and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area was approximately 14' x 22' inside the berm. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking on NMOCD via email on 04/07/2014 and approved by Jennifer Van Curen of the BLM via email on 04/07/2014.

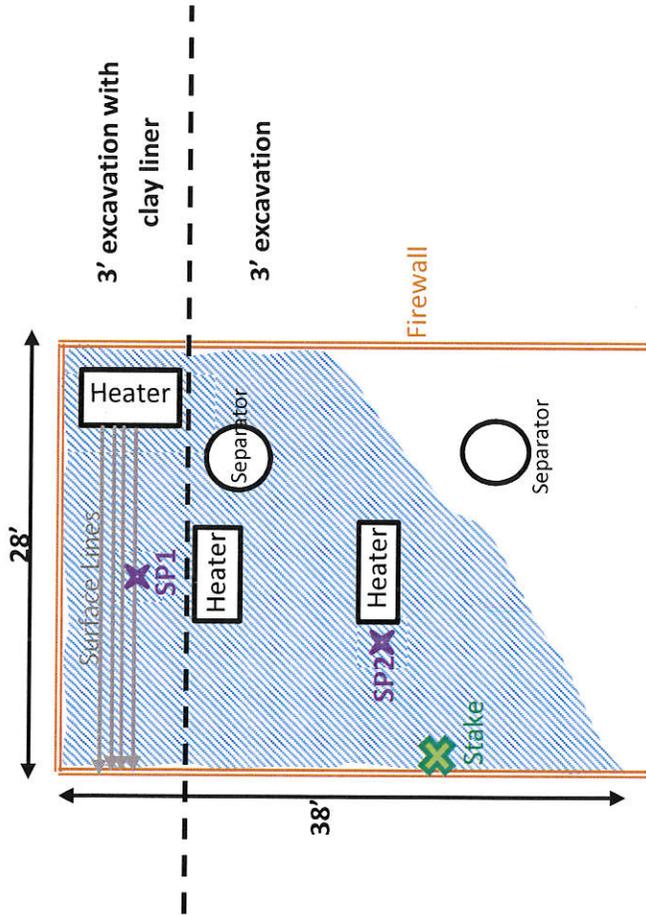
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	OIL CONSERVATION DIVISION	
Printed Name: Chancey Summers	Approved by District Supervisor:	
Title: HES Advisor	Approval Date:	Expiration Date:
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-16-14 Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

Oxy

Red Tank 34 Federal #2 CTB



U/L H, Section 34, T22S, R32E
 Lea County, NM
 GPS: N 32.35006° W 103.65582°

BBC International, Inc.

Oxy

Red Tank 34 Federal #2 CTB

Date: 03/03/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014

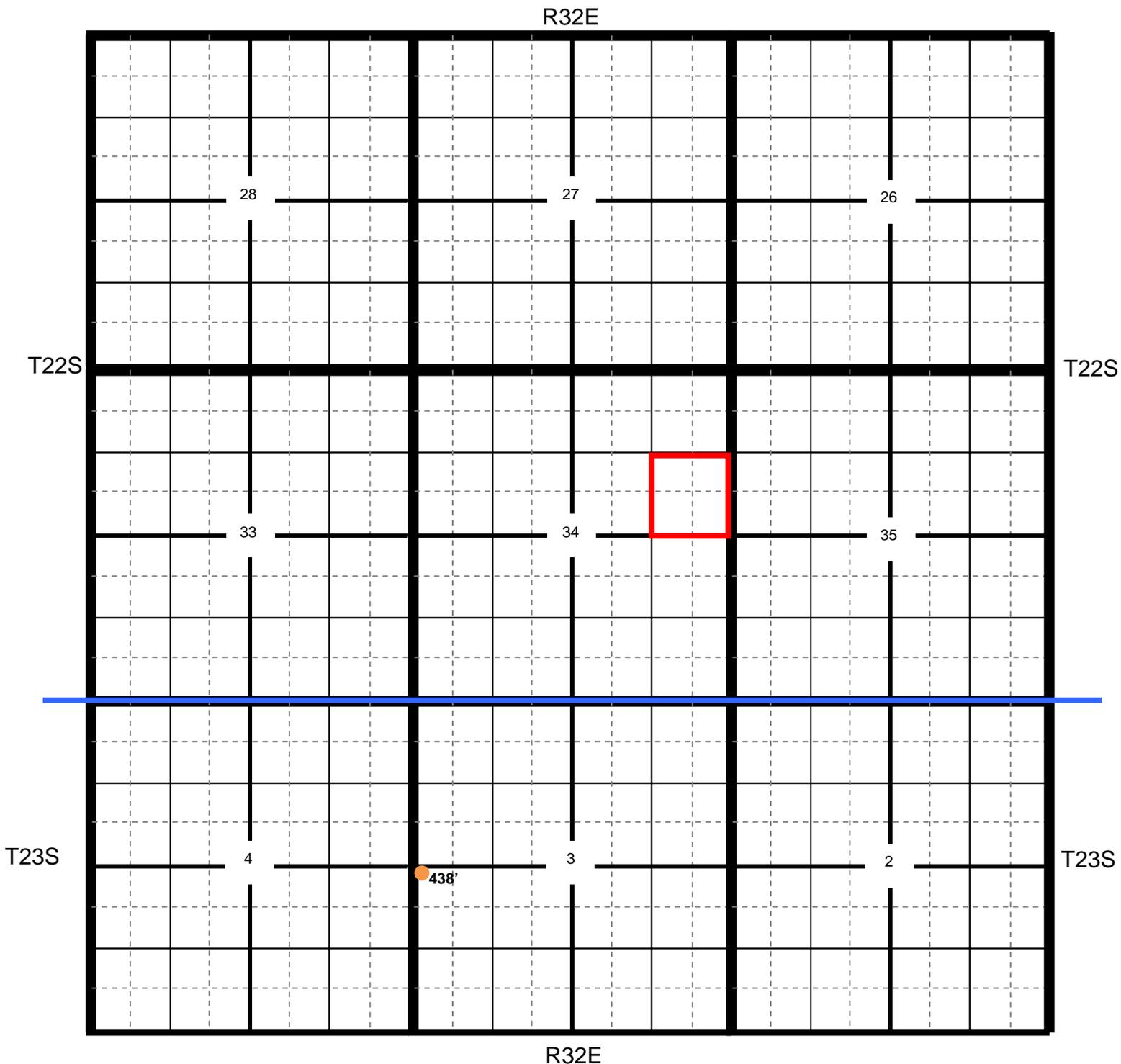


Groundwater Plot

Oxy Red Tank 34 Federal #2 CTB

County Lea	Unit Letter H	Section 34	Township 22S	Range 32E
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Trend Map 450'



● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases



Section Quarters

Oxy Red Tank 34 Federal #2 CTB

County	Unit Letter	Section	Township	Range
Lea	H	34	22S	32E

Trend Map 450'

1

2

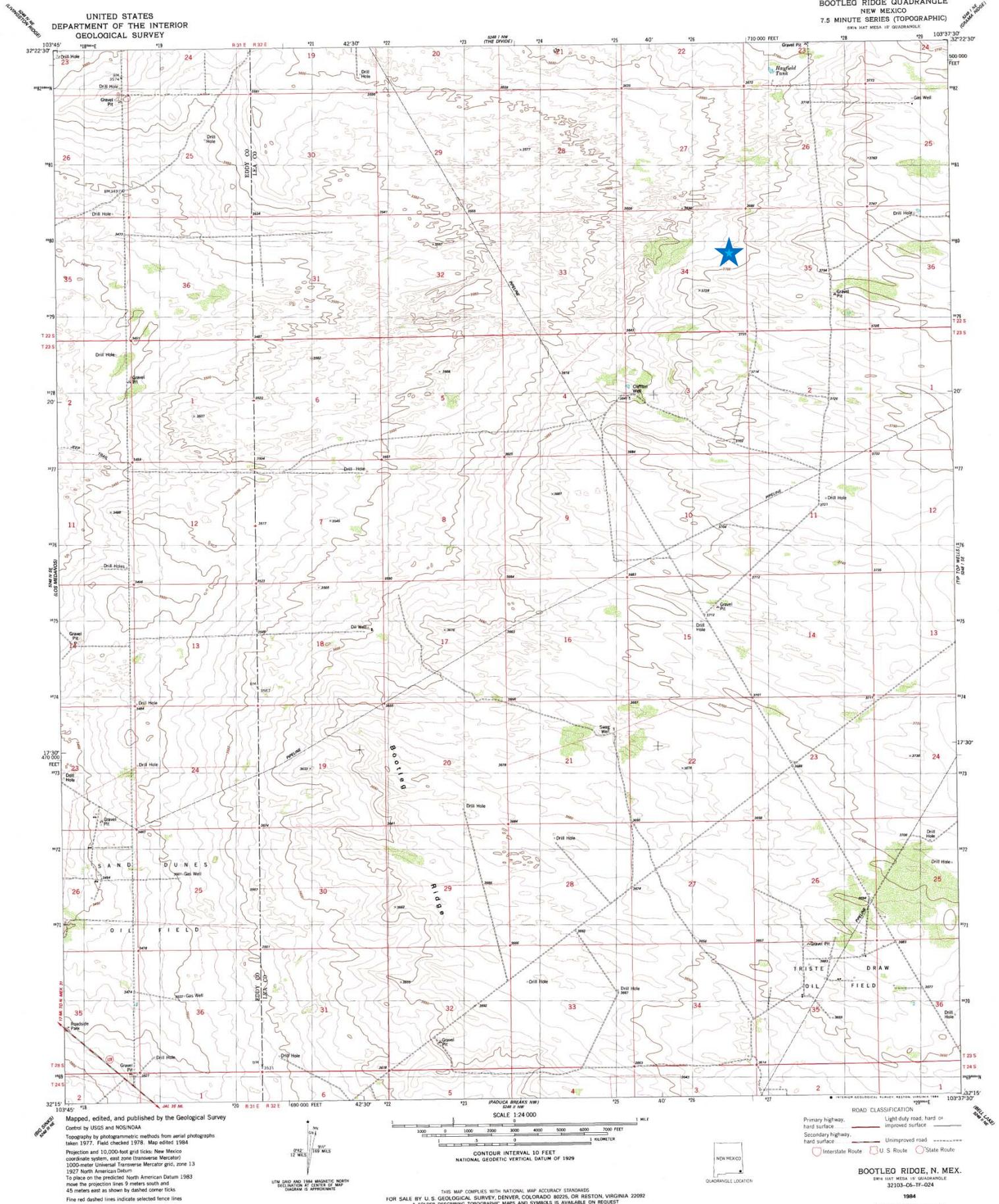
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Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter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

3

4

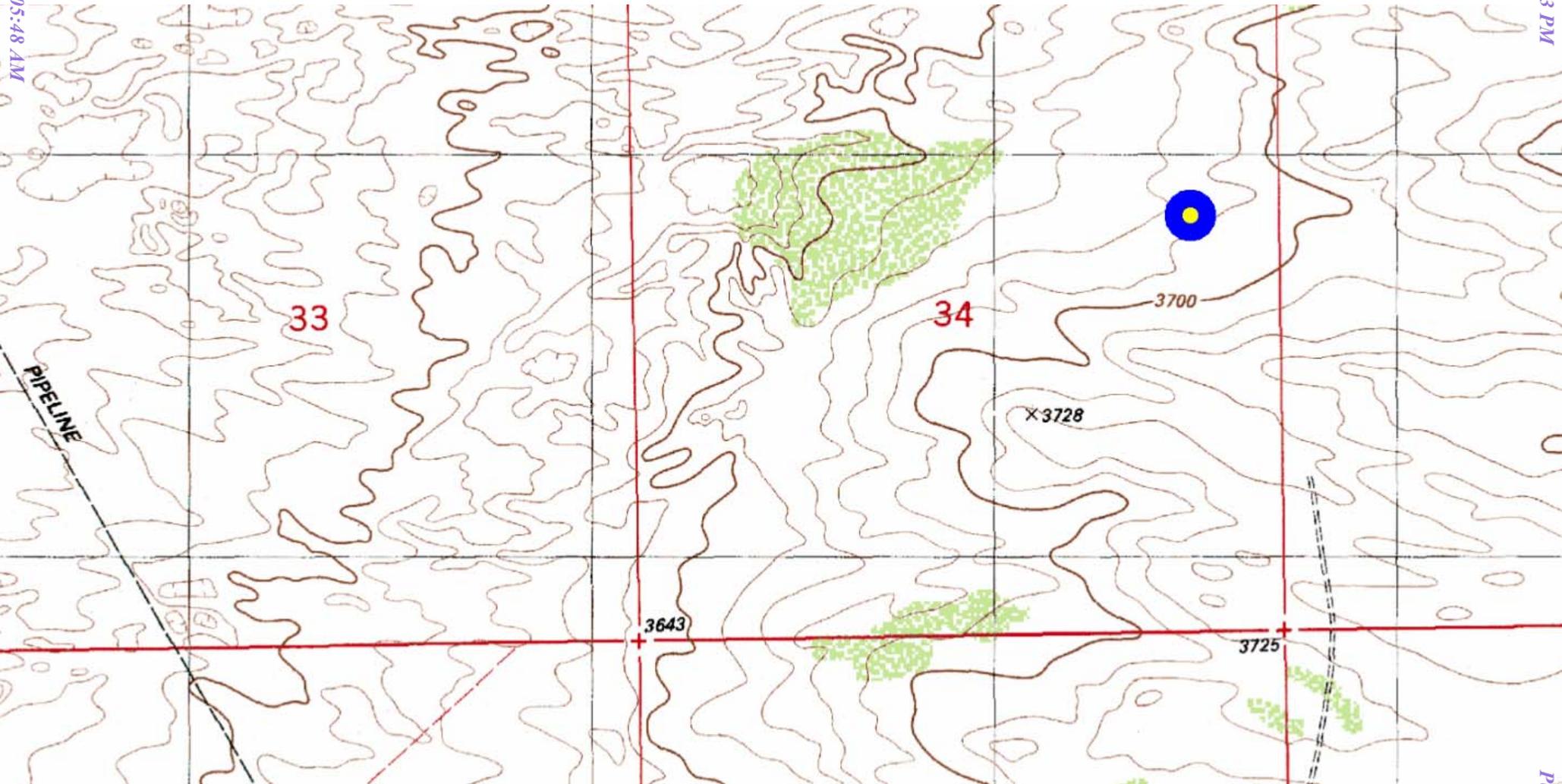
⚙ Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases

Red Tank 34 Federal #2 CTB



Oxy

Red Tank 34 Federal #2 CTB



Laboratory Analytical Results Summary
Red Tank 34 Federal #2 CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 9'	SP1 @ 12'
Analyte	Method	Date	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		0.07	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		6080	1680	2600	2440	3360	3480	96
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		949	139	n/a	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'
Analyte	Method	Date	3/6/14	3/6/14	3/6/14	3/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		1380	3000	288	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

**Laboratory Analytical Results Summary
Red Tank 34 Federal #2**

		Sample	Sidewall 1	Sidewall 2	Sidewall 3	Sidewall 4
Analyte	Method	Date	8/7/14	8/7/14	8/7/14	8/7/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		224	160	160	144



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 25, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 34 #2

Enclosed are the results of analyses for samples received by the laboratory on 03/18/14 9:42.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 1 FT (H400808-01)

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	03/20/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/20/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	0.070	0.050	03/20/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/20/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 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	6080	16.0	03/20/2014	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	<50.0	50.0	03/20/2014	ND	225	112	200	5.05	
DRO >C10-C28	949	50.0	03/20/2014	ND	213	106	200	2.35	

Surrogate: 1-Chlorooctane 71.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 2 FT (H400808-02)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	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	1680	16.0	03/20/2014	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	03/20/2014	ND	225	112	200	5.05	
DRO >C10-C28	139	10.0	03/20/2014	ND	213	106	200	2.35	

Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

Sample ID: SP 1 @ 4 FT (H400808-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/20/2014	ND	400	100	400	3.92	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 6 FT (H400808-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 8 FT (H400808-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 9 FT (H400808-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 12 FT (H400808-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/20/2014	ND	400	100	400	3.92	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 1 FT (H400808-08)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1380	16.0	03/20/2014	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	03/20/2014	ND	197	98.7	200	0.404	
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	192	95.9	200	0.866	

Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 2 FT (H400808-09)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3000	16.0	03/20/2014	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	03/20/2014	ND	197	98.7	200	0.404	
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	192	95.9	200	0.866	

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Sample ID: SP 2 @ 4 FT (H400808-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/20/2014	ND	400	100	400	3.92	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 6 FT (H400808-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2014	ND	400	100	400	3.92	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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** State: **NM** Zip: **88241** Attn:

Phone #: **575-397-6388** Fax #: **575-397-0397** Address:

Project #: **Project Owner: Gxy** City: **Sum**

Project Name: **Red tank 34 #2** State: **Zip:**

Project Location: **C-29** Phone #:

Sampler Name: **Gary Ray** Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	TPH	B-TEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HUC000	1 SP202FT ✓	S	1	X	X	X	X	X	X	3-6-14	9:45	X	X	X
	2 SP208FT ✓	S	1	X	X	X	X	X	X	3-6-14	10:00	X	X	X
	3 SP204FT ✓	S	1	X	X	X	X	X	X	3-6-14	10:50	X	X	X
	4 SP206FT ✓	S	1	X	X	X	X	X	X	3-6-14	11:00	X	X	X
	5 SP208FT ✓	S	1	X	X	X	X	X	X	3-6-14	11:22	X	X	X
	6 SP209FT ✓	S	1	X	X	X	X	X	X	3-6-14	12:15	X	X	X
	7 SP2015FT ✓	S	1	X	X	X	X	X	X	3-6-14	1:00	X	X	X
	8 SP202FT ✓	S	1	X	X	X	X	X	X	3-6-14	1:20	X	X	X
	9 SP202FT ✓	S	1	X	X	X	X	X	X	3-6-14	1:30	X	X	X
	10 SP204FT ✓	S	1	X	X	X	X	X	X	3-6-14	1:54	X	X	X

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Relinquished By: *[Signature]* Date: **3-7-14** Time: **3:00pm** Received By: *[Signature]* Date: **3-18-14** Time: **11:00**

Delivered By: (Circle One) **-9.0C** Sample Condition: Cool Intact Yes No

Sampler - UPS - Bus - Other: **-9.0C** CHECKED BY: *[Signature]* (Initials)

REMARKS: Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 08, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 34 FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 08/07/14 16:55.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	08/07/2014	Sampling Date:	08/07/2014
Reported:	08/08/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MILLS RANCH ROAD		

Sample ID: SIDEWALL 1 (H402437-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/08/2014	ND	400	100	400	0.00	

Sample ID: SIDEWALL 2 (H402437-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/08/2014	ND	400	100	400	0.00	

Sample ID: SIDEWALL 3 (H402437-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/08/2014	ND	400	100	400	0.00	

Sample ID: SIDEWALL 4 (H402437-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/08/2014	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P. O. Box 805
 City: Hobbs
 Phone #: 575-397-6388
 Project #:
 Project Name: Red Tank 34 Federal #2 CTB
 Project Location: Lea County, NM
 Sampler Name: Jeremy Becerra

P.O. #:
 Company:
 Attn:
 Address:
 City:
 State:
 Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHECKED BY:
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H4024137			6						8/7/14	9:40 am	✓	
1	Sidewall 1		1						8/7/14	9:46 am	✓	
2	Sidewall 2		1						8/7/14	9:52 am	✓	
3	Sidewall 3		1						8/7/14	10:00 am	✓	
4	Sidewall 4		1									

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Relinquished By: *Jeremy Becerra* Date: 8/7/14 Time: 2:10 PM
 Received By: *Denise Cebey*
 Relinquished By: *Denise Cebey* Date: 8-7-14 Time: 4:55 PM
 Received By: *Denise Cebey*
 Delivered By: (Circle One) *Denise Cebey*
 Sample - UPS - Bus - Other: *3.00*
 Sample Condition: Cool Intact
 Yes No

REMARKS: *lush*
 Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #:
 Add'l Fax #:
 CHECKED BY: *Denise Cebey*

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

#54

Jennifer Gilkey

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Monday, April 07, 2014 1:19 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Red Tank 34 Federal #2 CTB-Remediation Plan

Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY Red Tank 34 Federal #2 CTB. Thank you.

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.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, April 05, 2014 7:45 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Red Tank 34 Federal #2 CTB-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on April 2, 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 3 feet in the entire leak area that is depicted on the attached site diagram. Then the area at the north end by SP1 will have a clay liner installed and then the site will 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

Jennifer Gilkey

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Monday, April 07, 2014 3:38 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY-Red Tank 34 Federal #2 CTB-Remediation Plan

This plan is approved.

Stips:

1. Take sidewall samples to be sure that cls are below 1000.
2. Remove any contaminated material from berm and replace.
3. Replace removed material with caliche and compact. Exception is clay liner that will be used under lines on north end.
4. If not complete withing 30 days, send me a notice as to when work will be complete.

If you have any questions please let me know.

Thanks,

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

"There are known knowns. These are things we know that we know. There are known unknowns. That is to say, there are things that we know we don't know." Jim Perry

On Sat, Apr 5, 2014 at 7:44 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoff Leking of the NMOCD. Oxy will excavate to a depth of 3 feet in the entire leak area. Then a clay liner will be installed in the north end in the area of SP1 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. If you have any questions, please let us know.

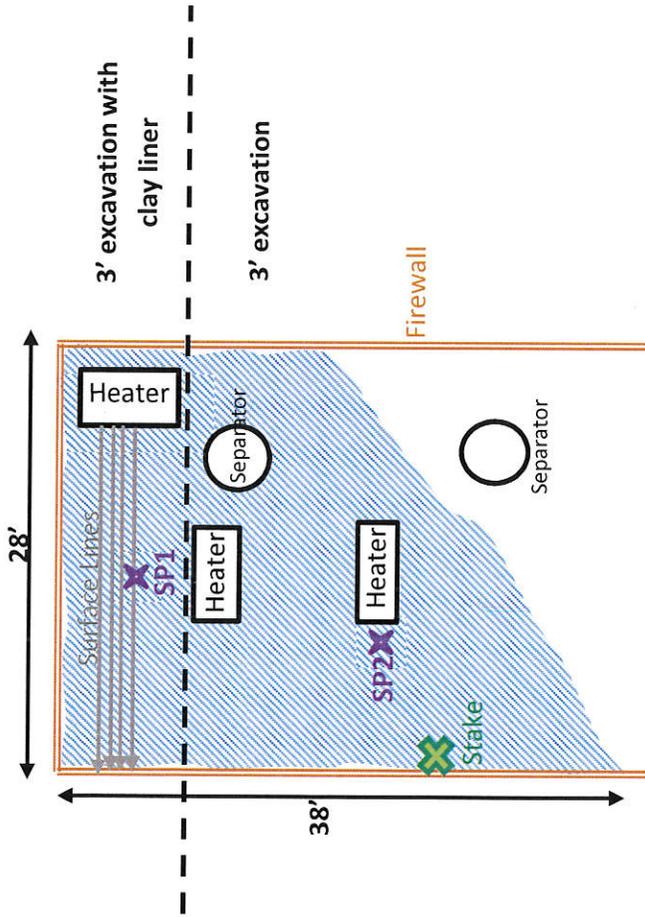
Thanks, Cliff

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

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Oxy

Red Tank 34 Federal #2 CTB



U/L H, Section 34, T22S, R32E
 Lea County, NM
 GPS: N 32.35006° W 103.65582°

BBC International, Inc.

Oxy

Red Tank 34 Federal #2 CTB

Date: 03/03/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014

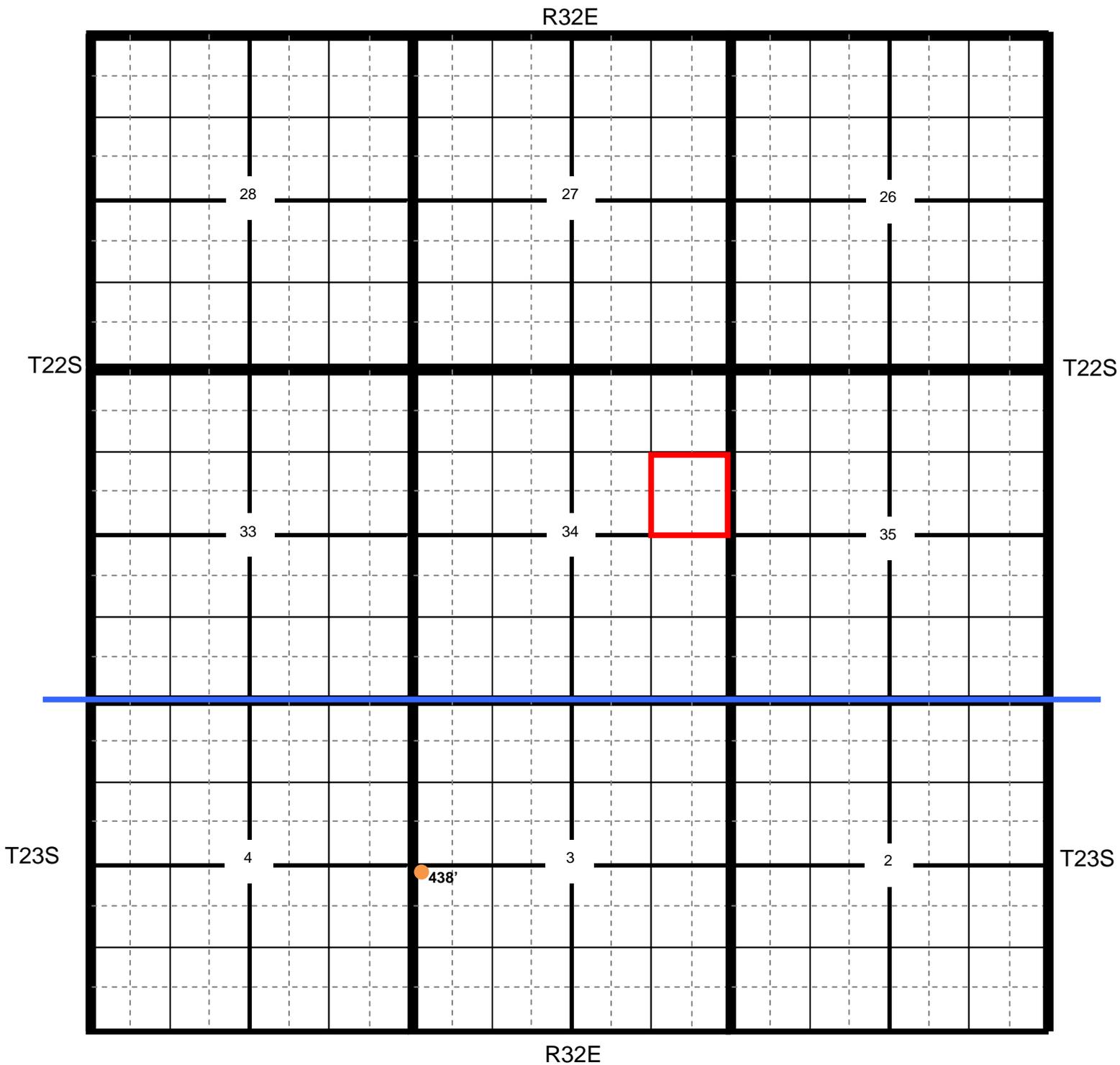


Groundwater Plot

Oxy Red Tank 34 Federal #2 CTB

County	Unit Letter	Section	Township	Range
Lea	H	34	22S	32E

Trend Map 450'



● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases



Section Quarters

Oxy Red Tank 34 Federal #2 CTB

County	Unit Letter	Section	Township	Range
Lea	H	34	22S	32E

Trend Map 450'

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

⚙ Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases

Laboratory Analytical Results Summary
Red Tank 34 Federal #2 CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 9'	SP1 @ 12'
Analyte	Method	Date	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14	3/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		0.07	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		6080	1680	2600	2440	3360	3480	96
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		949	139	n/a	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'
Analyte	Method	Date	3/6/14	3/6/14	3/6/14	3/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		1380	3000	288	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 25, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 34 #2

Enclosed are the results of analyses for samples received by the laboratory on 03/18/14 9:42.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 1 FT (H400808-01)

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	03/20/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/20/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	0.070	0.050	03/20/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/20/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 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	6080	16.0	03/20/2014	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	<50.0	50.0	03/20/2014	ND	225	112	200	5.05	
DRO >C10-C28	949	50.0	03/20/2014	ND	213	106	200	2.35	

Surrogate: 1-Chlorooctane 71.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 2 FT (H400808-02)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	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	1680	16.0	03/20/2014	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	03/20/2014	ND	225	112	200	5.05	
DRO >C10-C28	139	10.0	03/20/2014	ND	213	106	200	2.35	

Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

Sample ID: SP 1 @ 4 FT (H400808-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/20/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 1 @ 6 FT (H400808-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 8 FT (H400808-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 9 FT (H400808-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/20/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 12 FT (H400808-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/20/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 1 FT (H400808-08)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1380	16.0	03/20/2014	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	03/20/2014	ND	197	98.7	200	0.404	
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	192	95.9	200	0.866	

Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 2 FT (H400808-09)

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	03/19/2014	ND	2.01	101	2.00	0.775	
Toluene*	<0.050	0.050	03/19/2014	ND	1.92	96.0	2.00	0.201	
Ethylbenzene*	<0.050	0.050	03/19/2014	ND	1.88	94.1	2.00	0.709	
Total Xylenes*	<0.150	0.150	03/19/2014	ND	5.43	90.5	6.00	0.115	
Total BTEX	<0.300	0.300	03/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3000	16.0	03/20/2014	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	03/20/2014	ND	197	98.7	200	0.404	
DRO >C10-C28	<10.0	10.0	03/20/2014	ND	192	95.9	200	0.866	

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

Sample ID: SP 2 @ 4 FT (H400808-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/20/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

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

Received:	03/18/2014	Sampling Date:	03/06/2014
Reported:	03/25/2014	Sampling Type:	Soil
Project Name:	RED TANK 34 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	C-29		

Sample ID: SP 2 @ 6 FT (H400808-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/20/2014	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, 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** State: **NM** Zip: **88241** Company:

City: **Hobbs** State: **NM** Zip: **88241** Attn:

Phone #: **575-397-6388** Fax #: **575-397-0397** Address: **Sume**

Project #: **Project Owner: Gxy** City: **Sume**

Project Name: **Red hawk 34 #2** State: **Zip:**

Project Location: **C-29** Phone #:

Sampler Name: **Gary Ray** Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	TPH	B-TEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HUC000	1 SP202FT ✓	5	1	X	X	X	X	X	X	3-6-14	9:45	X	X	X
	2 SP208FT ✓	5	1	X	X	X	X	X	X	3-6-14	10:00	X	X	X
	3 SP204FT ✓	5	1	X	X	X	X	X	X	3-6-14	10:50	X	X	X
	4 SP206FT ✓	5	1	X	X	X	X	X	X	3-6-14	11:00	X	X	X
	5 SP208FT ✓	5	1	X	X	X	X	X	X	3-6-14	11:45	X	X	X
	6 SP209FT ✓	5	1	X	X	X	X	X	X	3-6-14	12:15	X	X	X
	7 SP2015FT ✓	5	1	X	X	X	X	X	X	3-6-14	1:00	X	X	X
	8 SP202FT ✓	5	1	X	X	X	X	X	X	3-6-14	1:20	X	X	X
	9 SP202FT ✓	5	1	X	X	X	X	X	X	3-6-14	1:30	X	X	X
	10 SP204FT ✓	5	1	X	X	X	X	X	X	3-6-14	1:54	X	X	X

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Relinquished By: *[Signature]* Date: **3-7-14** Time: **3:00pm** Received By: *[Signature]* Date: **3-18-14** Time: **11:00**

Delivered By: (Circle One) **-9.0C** Sample Condition: Cool Intact Yes No

Sampler - UPS - Bus - Other: **-9.0C** CHECKED BY: *[Signature]* (Initials)

REMARKS: Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:

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

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 USA Inc.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 CTB	Facility Type	Battery

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
	34	22S	32E					Lea County, NM

Latitude N 32.34976° Longitude W 103.65597°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl of oil and 20.5 bbls of produce water	Volume Recovered	0 bbls
Source of Release	2" steel line production line	Date and Hour of Occurrence	2/25/2014	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?	Goeffrey Leking- NMOCD, Jennifer Van Curen- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	02/26/2014 @ 3:44 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 leak in the 2 inch steel line from the production separator to the tanks spilled 0.5 bbl of oil and 20.5 bbls of produced water onto the ground. No fluids were recovered and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area was approximately 14' x 22' inside the berm. Remediation will be completed in accordance with a plan approved by both the NMOCD and 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by District Supervisor:		
Title: HES Coordinator	Approval Date:	Expiration Date:	
E-mail Address: Chancey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>3-3-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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 USA Inc.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 CTB	Facility Type	Battery
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
	34	22S	32E					Lea County, NM

Latitude N 32.34976° Longitude W 103.65597°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	0.5 bbl of oil and 20.5 bbls of produce water	Volume Recovered	0 bbls
Source of Release	2 " steel line production line	Date and Hour of Occurrence	2/25/2014	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, Jennifer Van Curen- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	02/26/2014 @ 3:44 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 leak in the 2 inch steel line from the production separator to the tanks spilled 0.5 bbl of oil and 20.5 bbls of produced water onto the ground. No fluids were recovered and the line was repaired.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area was approximately 14' x 22' inside the berm. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking on NMOCD via email on 04/07/2014 and approved by Jennifer Van Curen of the BLM via email on 04/07/2014.					
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.					

OIL CONSERVATION DIVISION

Signature:			
Printed Name: Chancey Summers	Approved by District Supervisor:	Jocelyn Harimon	
Title: HES Advisor	Approval Date: 07/13/2023	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 7-16-19	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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

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

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

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

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

CONDITIONS
 Action 195115

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 195115
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/13/2023