

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:	04/08/2014
Type of Release:	Oil
Source of Release:	Hammer union on line was replaced but not tightened properly
Volume of Release:	30 bbls
Volume Recovered:	24 bbls

Remediation Specifications

Remediation Parameters:	Excavate the areas around SP1 and SP3 to a depth of 1.5 feet. Excavate across the remainder of the leak site to a depth of 1 foot. Then, backfill the site with clean soil.
Remediation Activities:	08/08/2014 to 09/09/2014

Plan Sent to OCD:	08/07/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	08/08/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	08/28/2014	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	08/29/2014	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 04/15/2014
Final C-141	Signed 09/16/2014
Site Diagram	April 2014
Groundwater Plot	450'
TOPO Maps	April 2014
Lab Summary	07/24/2014-07/25/2014
Lab Analysis	07/24/2014-07/25/2014
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
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 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
H	34	22S	32E					Lea

Latitude N 32.34968° Longitude W 103.65624°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	30 bbls	Volume Recovered	24 bbls
Source of Release	Hammer union on 2" circulating line was replaced and was not tightened properly	Date and Hour of Occurrence	04/08/2014	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?	Jennifer Gilkey	Date and Hour	04/09/2014 @ 5:27 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.*

The hammer union on a 2" circulating line was replaced but not tightened properly causing 30 bbls of oil to leak onto the ground. 24 bbls of oil were recovered via vacuum truck and the hammer union was properly tightened.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 9' x 25' on location and inside the berm area around the tanks. Remediation will be completed in accordance with an approved remediation plan by 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 Environmental Specialist:	
Title:	HES Coordinator	Approval Date:	Expiration Date:
E-mail Address:	Chancey_Summers@oxy.com	Conditions of Approval:	
Date:	4-15-14	Phone:	(575) 397-8216
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 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
H	34	22S	32E					Lea

Latitude N 32.34968° Longitude W 103.65624°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	30 bbls	Volume Recovered	24 bbls
Source of Release	Hammer union on 2" circulating line was replaced and was not tightened properly	Date and Hour of Occurrence	04/08/2014	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?	Jennifer Gilkey	Date and Hour	04/09/2014 @ 5:27 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.*

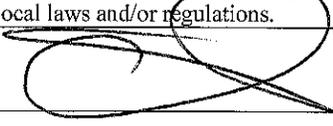
Describe Cause of Problem and Remedial Action Taken.*

The hammer union on a 2" circulating line was replaced but not tightened properly causing 30 bbls of oil to leak onto the ground. 24 bbls of oil were recovered via vacuum truck and the hammer union was properly tightened.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 9' x 25' on location and inside the berm area around the tanks. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/08/2014 and approved by Sol Hughes of the BLM via email on 08/29/2014.

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.

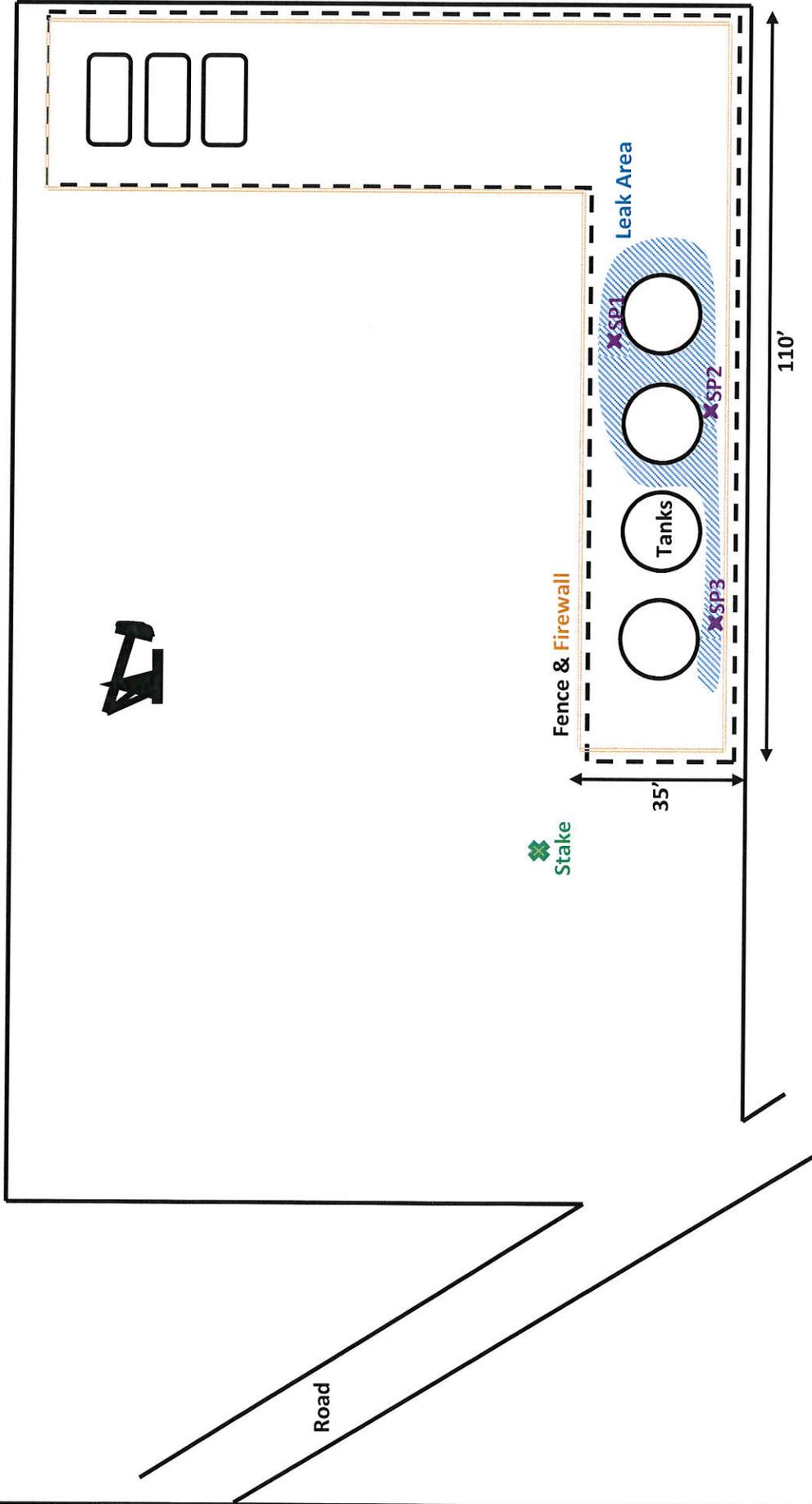
Signature:		OIL CONSERVATION DIVISION	
Printed Name:	Chancey Summers	Approved by Environmental Specialist:	
Title:	HES Advisor	Approval Date:	Expiration Date:
E-mail Address:	Chancey.Summers@oxy.com	Conditions of Approval:	
Date:	8-16-14	Phone:	(575) 397-8216
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



Oxy

Red Tank 34 Federal #2 CTB



BBC International, Inc.	
Oxy	
Red Tank 34 Federal #2 CTB	
Date: 04/21/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014

U/L H, Section 34, T22S, R32E
Lea County, NM
N 32.34968° W 103.65624°

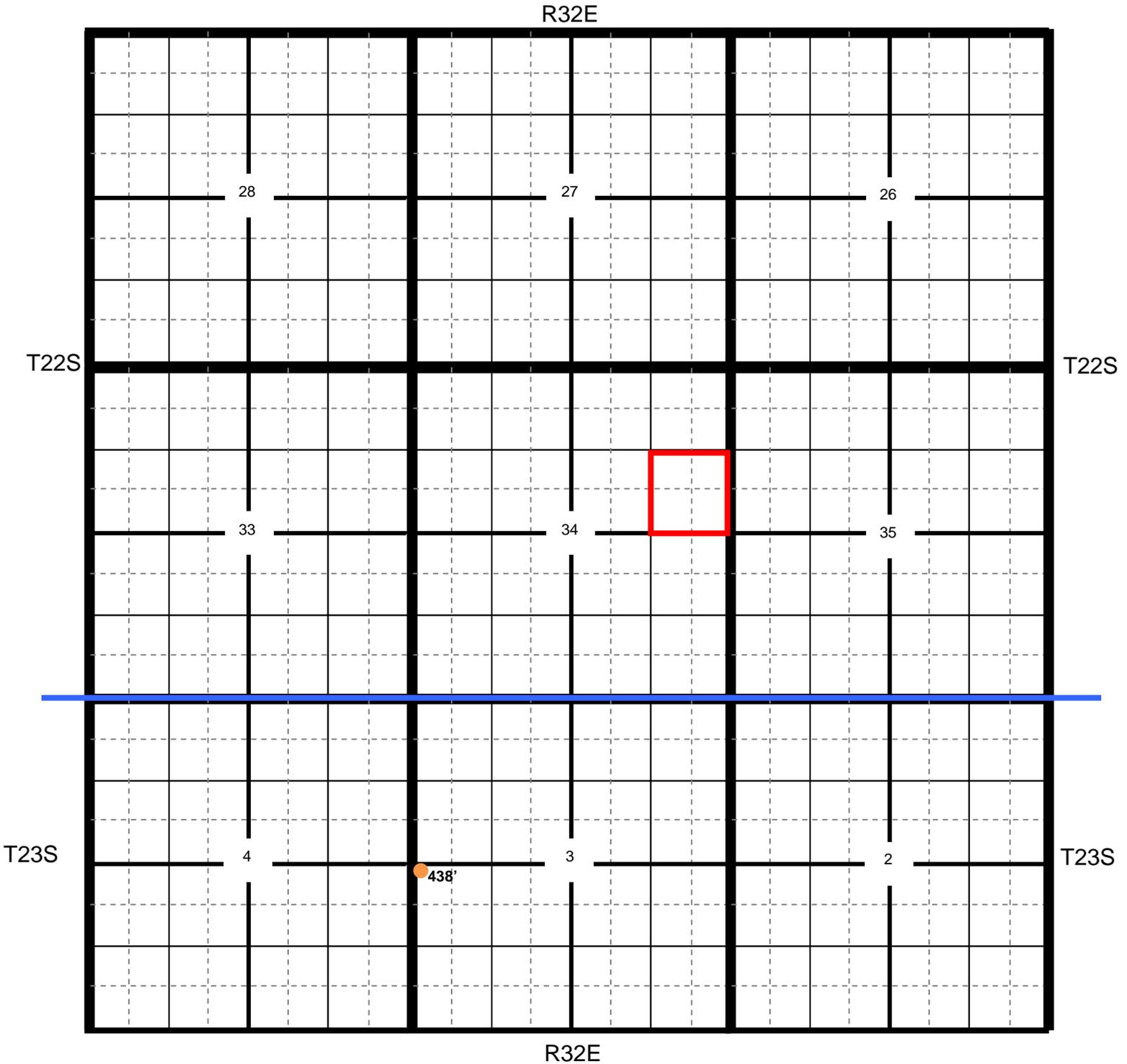


Groundwater Plot

Oxy Red Tank 34 Federal #2 CTB

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

Trend Map 450'



📍 Location ● OCD ● USGS ● SEO ● All Databases

Oxy Red Tank 34 Federal #2 CTB

County: Lea Unit Letter: H Section: 34 Township: 22S Range: 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

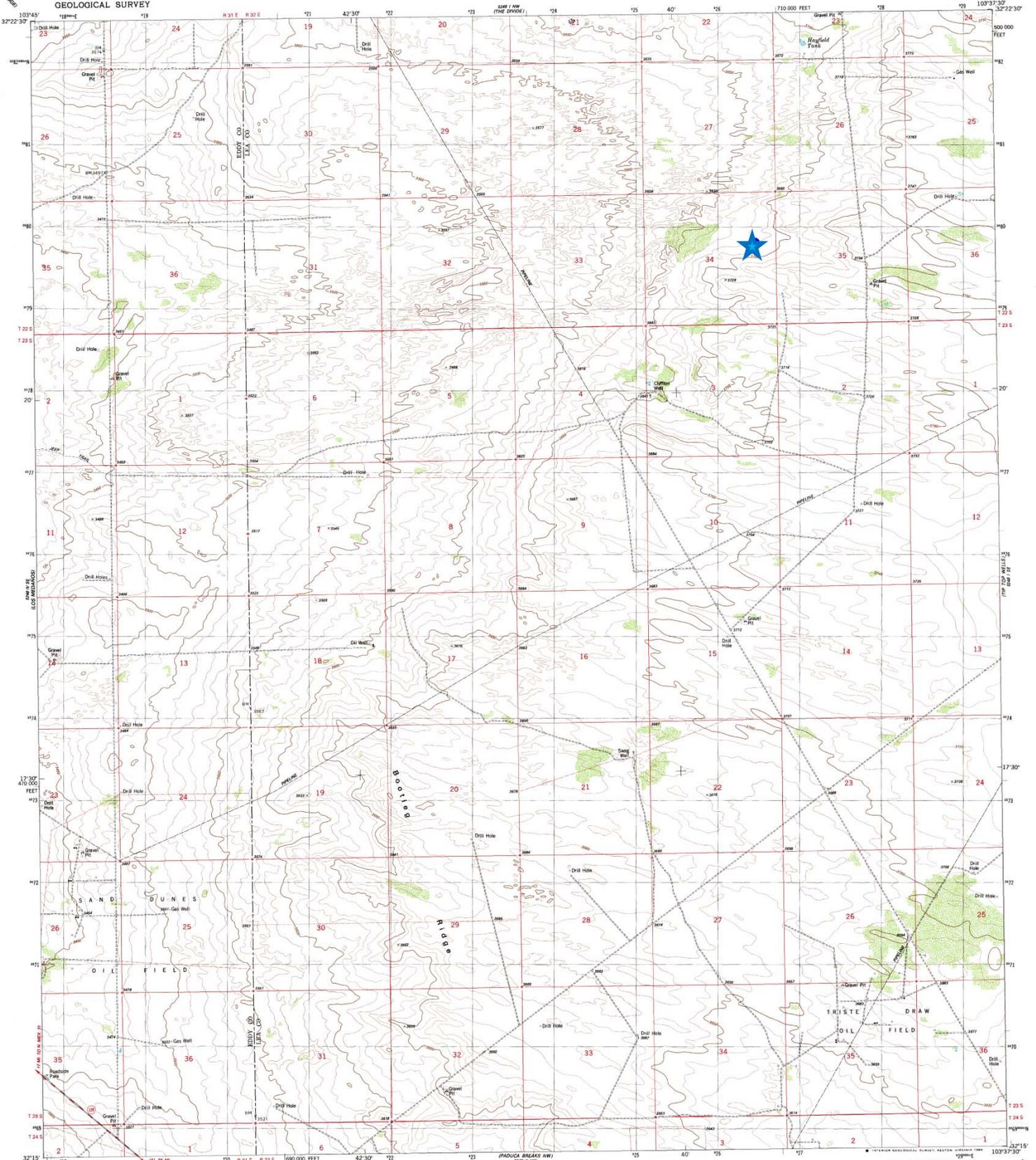
● All Databases

Oxy

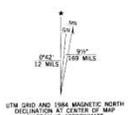
Red Tank 34 Federal #2 CTB

BOOTLEG RIDGE QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)
ONE INCH TO A MILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1984
Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid, zone 13 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 45 meters east as shown by dashed center ticks
Fine red dashed lines indicate selected fence lines



SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

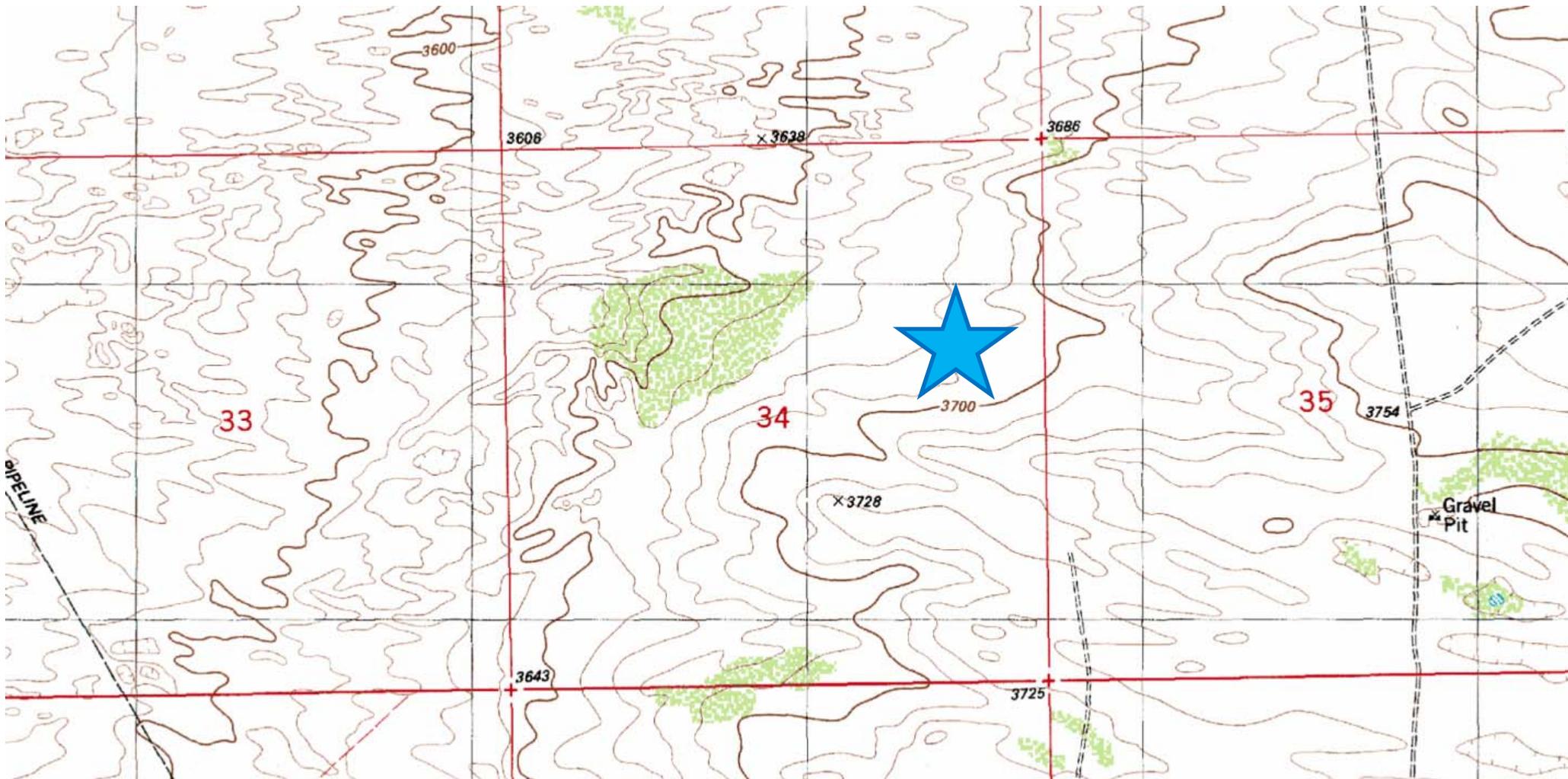
ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U.S. Route
State Route
Light duty road, hard or improved surface
Unimproved road

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BOOTLEG RIDGE, N. MEX.
ONE INCH TO A MILE QUADRANGLE
32103-C6-1F-024
1984
DMA 3248 1 SW-SERIES 9881

Oxy

Red Tank 34 Federal #2 CTB



Laboratory Analytical Results Summary
Red Tank 34 Federal #2 CTB

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/24/14	7/24/14	7/24/14	7/24/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		2.51	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		5.9	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.41	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		64	32	16	32
GRO	TPH 8015M		491	<10.0	<10.0	<10.0
DRO	TPH 8015M		5170	274	70.8	58.1

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	7/24/14	7/25/14	7/25/14	7/25/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		784	96	80	96
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		315	<10.0	10.7	11.1

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/25/14	7/25/14	7/25/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.213	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.399	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.03	<0.150	<0.150
Total BTEX	BTEX 8021B		1.64	<0.300	<0.300
Chloride	SM4500CI-B		224	112	128
GRO	TPH 8015M		80.3	<10.0	<10.0
DRO	TPH 8015M		1720	<10.0	<10.0



August 04, 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 07/28/14 8:50.

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.

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:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 1' (H402300-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.500	0.500	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	2.51	0.500	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	5.90	1.50	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	8.41	3.00	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	64.0	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	491	200	07/29/2014	ND	179	89.7	200	14.0		
DRO >C10-C28	5170	200	07/29/2014	ND	209	104	200	14.8		

Surrogate: 1-Chlorooctane 136 % 65.2-140
Surrogate: 1-Chlorooctadecane 355 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 2' (H402300-02)

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	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	32.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	274	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 118 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Received:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 3' (H402300-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 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	16.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	70.8	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
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Received:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 4' (H402300-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	58.1	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 137 % 65.2-140

Surrogate: 1-Chlorooctadecane 158 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 1' (H402300-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	315	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 162 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 2' (H402300-06)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 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	96.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 3' (H402300-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.9 % 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	80.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	10.7	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 133 % 63.6-154

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Analytical Results For:

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Received:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 4' (H402300-08)

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	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	96.0	16.0	07/29/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	11.1	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 74.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.1 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 1' (H402300-09)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	0.213	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	0.399	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	1.03	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	1.64	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	224	16.0	07/29/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.3	50.0	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	1720	50.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 75.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 2' (H402300-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 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	07/29/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 76.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.3 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 3' (H402300-11)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 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	128	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 73.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- A-01 Surrogate recovery marginally low. Target analytes within acceptance limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report





ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7/2

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 State: NM Zip: 88241 Attn:
 City: Hobbs Address: 59mg
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: ORV
 Project Name: Rod Tank 24 Fedra 1#2 C TB
 Project Location: Mills Ranch Road Phone #:
 Sampler Name: Bill Grubbs Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	CL-	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H4D2300	SP101	X	1			X				7-24	130	X	X	X
	SP102	X	1			X					145	X	X	X
	SP103	X	1			X					201	X	X	X
	SP104	X	1			X					235	X	X	X
	SP201	X	1			X				7-25	850	X	X	X
	SP202	X	1			X					929	X	X	X
	SP203	X	1			X					955	X	X	X
	SP204	X	1			X					1041	X	X	X
	SP301	X	1			X					1150	X	X	X

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Relinquished By: Bill Grubbs Date: 7-28-14 Time: 8:50
 Received By: Vicki Henderson
 Delivered By: (Circle One) 20 Sample Condition: Cool Intact Yes No No
 Sampler - UPS - Bus - Other: #54

CHECKED BY: [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:



ARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/19

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company:	
Address: P.O. Box 805		Attn:	
City: Hobbs		Address:	
State: NM Zip: 88241		City:	
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Some	
Project #: Red Tour 39		Zip:	
Project Name: Red Tour 39		Project Location:	
Project Location:		Sample Name:	
Sample Name:		FOR LAB USE ONLY	
Lab I.D.:	Sample I.D.:	(G)RAB OR (C)OMP	MATRIX
H402300	SP303	# CONTAINERS	GROUNDWATER
11		1	WASTEWATER
			SOIL
			OIL
			SLUDGE
			OTHER:
			ACID/BASE:
			ICE / COOL
			OTHER:
			DATE
			TIME
			7:25 900
			TPH
			CL
			BTEX

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Relinquished By: Cliff Brunson	Date: 7/28/99	Received By: Mark Hudson	Date: 8:50
Time:	Time:	Time:	Time:
Delivered By: (Circle One)	UPS	Bus	Other
Sample Condition	Cool	Intact	Checked BY: Cliff
<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	
<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

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

#54

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Friday, August 08, 2014 9:54 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Red Tank 34 Federal #2 Tank Battery

Aloha Mr. Brunson et al,

Thank you for the documents for this event. Please consider this the official notice of receipt.

Also, after reviewing the documents and based on our discussions NMOCD approves the remediation procedures for the Red Tank 34-2 site.

Please provide an API for this event so that it may be entered into the system. In exchange you will receive an RP with which to track the event.

If you have any questions, please let me know.

Mahalo

-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/ocd/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Thursday, August 07, 2014 4:09 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Red Tank 34 Federal #2 Tank Battery

Tomas,

This e-mail is to confirm our conversation today, August 7, 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 1 foot in the entire leak area as depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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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Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Friday, August 29, 2014 12:14 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Bratcher, Mike, EMNRD
Subject: Re: OXY-Red Tank 34 Fed #2 CTB - Remediation Plan

Cliff, based on what you sent me. We are still coming up hot for TPH: DRO+GRO, at the 1ft depths at SP1 and SP3. We wanna have that below 1000 ppm. Can we try 1.5 ft at those two areas?

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Thu, Aug 28, 2014 at 11:46 AM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Sol,

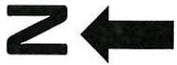
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy will excavate to a depth of 1 foot across the entire leak area as depicted on the attached diagram. Then the site will then be backfilled with clean soil.

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

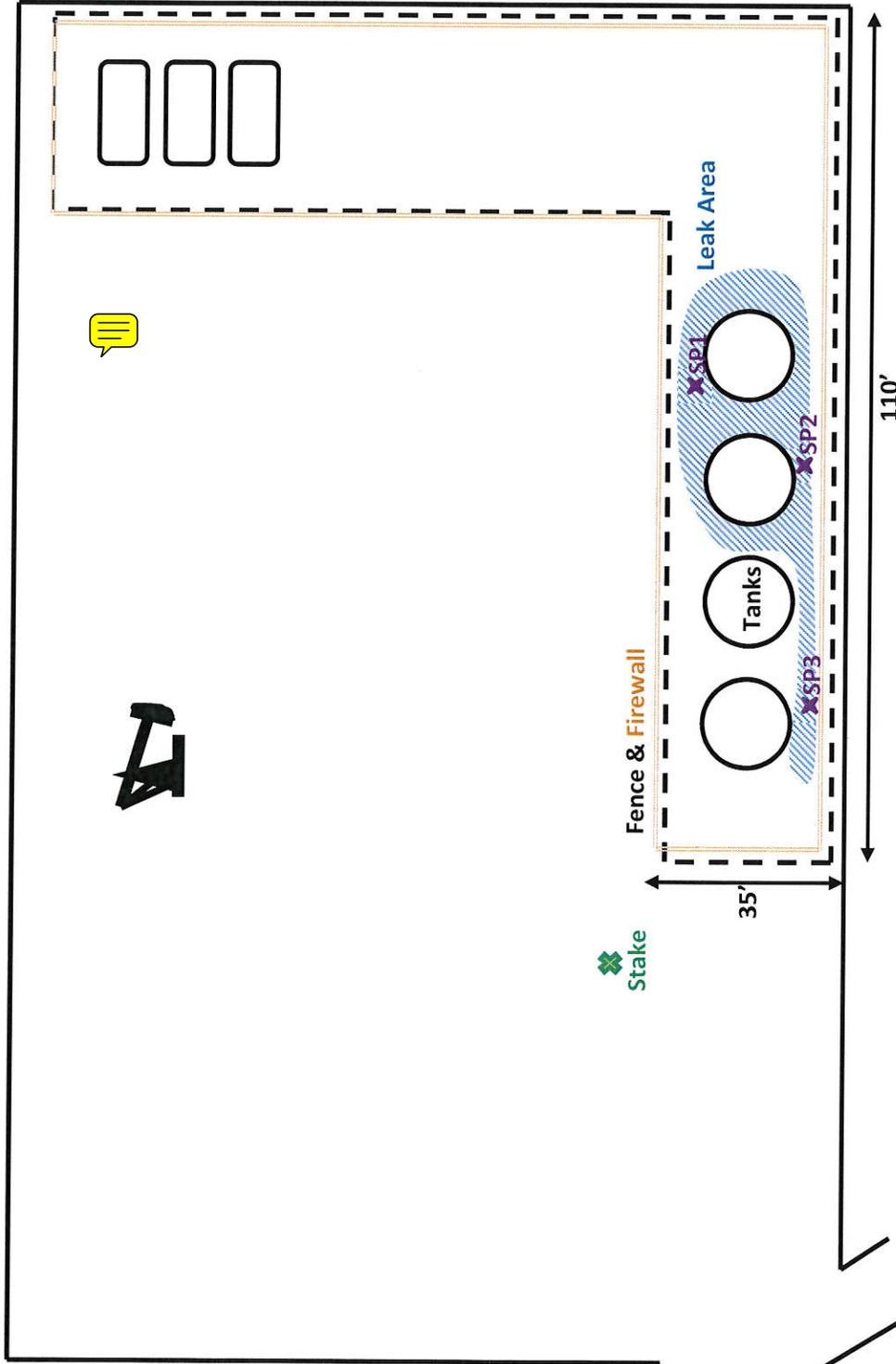
Thanks, Cliff

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



BBC International, Inc.	
Oxy	
Red Tank 34 Federal #2 CTB	
Date: 04/21/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	

U/L H, Section 34, T22S, R32E
Lea County, NM
N 32.34968° W 103.65624°

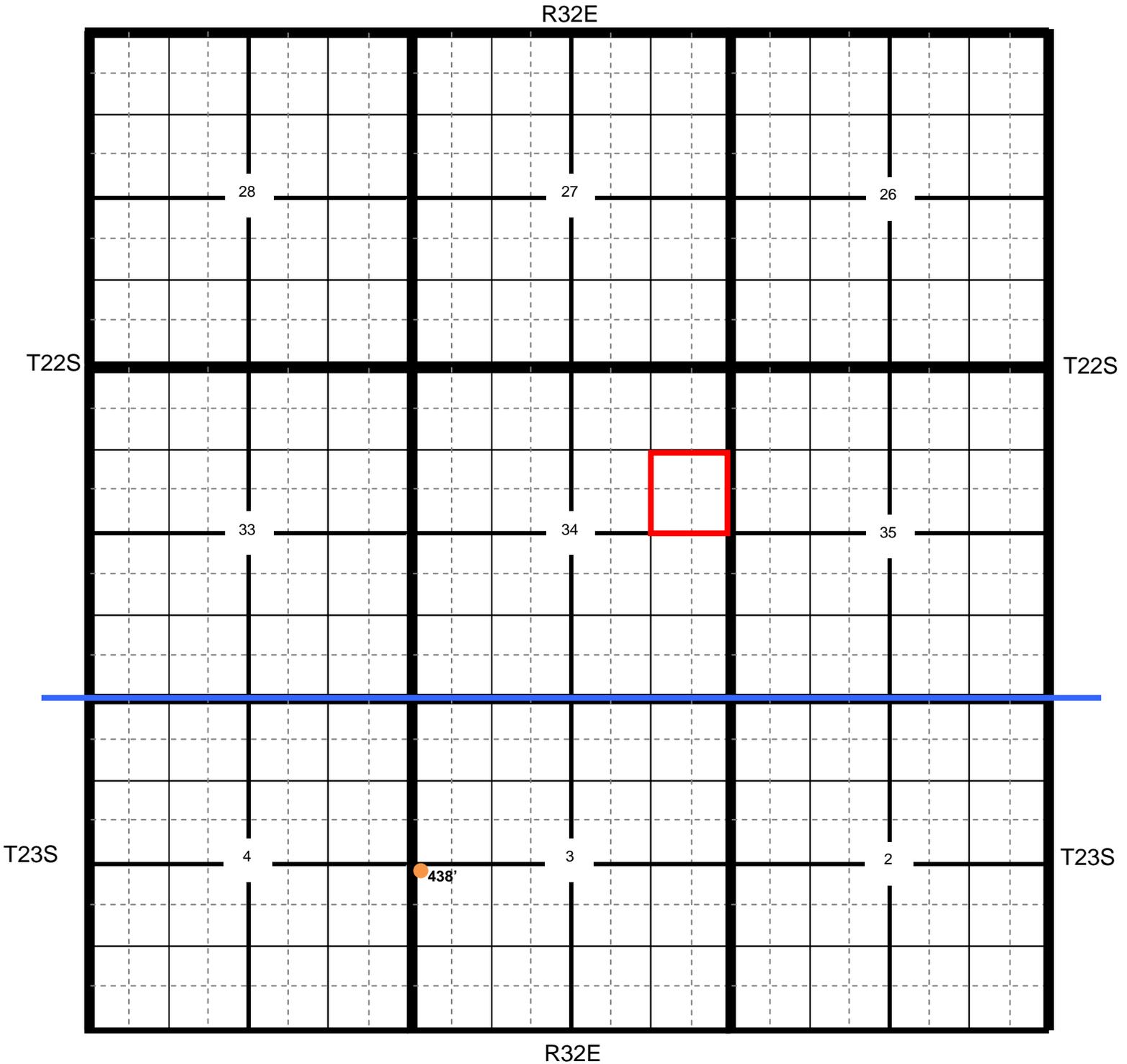


Groundwater Plot

Oxy Red Tank 34 Federal #2 CTB

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

Trend Map 450'



Location OCD USGS SEO All Databases

Oxy Red Tank 34 Federal #2 CTB

County: Lea Unit Letter: H Section: 34 Township: 22S Range: 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 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/24/14	7/24/14	7/24/14	7/24/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		2.51	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		5.9	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.41	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		64	32	16	32
GRO	TPH 8015M		491	<10.0	<10.0	<10.0
DRO	TPH 8015M		5170	274	70.8	58.1

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	7/24/14	7/25/14	7/25/14	7/25/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		784	96	80	96
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		315	<10.0	10.7	11.1

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/25/14	7/25/14	7/25/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.213	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.399	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.03	<0.150	<0.150
Total BTEX	BTEX 8021B		1.64	<0.300	<0.300
Chloride	SM4500CI-B		224	112	128
GRO	TPH 8015M		80.3	<10.0	<10.0
DRO	TPH 8015M		1720	<10.0	<10.0



August 04, 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 07/28/14 8:50.

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.

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:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 1' (H402300-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.500	0.500	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	2.51	0.500	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	5.90	1.50	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	8.41	3.00	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	64.0	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	491	200	07/29/2014	ND	179	89.7	200	14.0		
DRO >C10-C28	5170	200	07/29/2014	ND	209	104	200	14.8		

Surrogate: 1-Chlorooctane 136 % 65.2-140
Surrogate: 1-Chlorooctadecane 355 % 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:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 2' (H402300-02)

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	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	32.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	274	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 118 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 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:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 3' (H402300-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 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	16.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	70.8	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 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:	07/28/2014	Sampling Date:	07/24/2014
Reported:	08/04/2014	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: SP 1 @ 4' (H402300-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	58.1	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 137 % 65.2-140

Surrogate: 1-Chlorooctadecane 158 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 1' (H402300-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	08/01/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	315	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 136 % 65.2-140

Surrogate: 1-Chlorooctadecane 162 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 2' (H402300-06)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 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	96.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	179	89.7	200	14.0	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	209	104	200	14.8	

Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 3' (H402300-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.9 % 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	80.0	16.0	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	10.7	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 113 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 2 @ 4' (H402300-08)

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	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	96.0	16.0	07/29/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	11.1	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 74.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.1 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 1' (H402300-09)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	0.213	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	0.399	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	1.03	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	1.64	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	224	16.0	07/29/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.3	50.0	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	1720	50.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 75.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 2' (H402300-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 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	112	16.0	07/29/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 76.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.3 % 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:	07/28/2014	Sampling Date:	07/25/2014
Reported:	08/04/2014	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: SP 3 @ 3' (H402300-11)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2014	ND	1.75	87.3	2.00	2.83	
Toluene*	<0.050	0.050	07/31/2014	ND	1.78	89.1	2.00	5.77	
Ethylbenzene*	<0.050	0.050	07/31/2014	ND	1.77	88.6	2.00	4.92	
Total Xylenes*	<0.150	0.150	07/31/2014	ND	5.38	89.6	6.00	5.16	
Total BTEX	<0.300	0.300	07/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 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	08/01/2014	ND	400	100	400	7.69	

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	07/29/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	<10.0	10.0	07/29/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 73.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- A-01 Surrogate recovery marginally low. Target analytes within acceptance limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report





ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7/2

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 State: NM Zip: 88241 Attn:
 City: Hobbs Address: 59mg
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: ORV
 Project Name: Rod Tank 24 Fedra 1#2 C TB
 Project Location: Mills Ranch Road Phone #:
 Sampler Name: Bill Grubbs Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	CL-	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H4D2300	SP101	X	1			X				7-24	130	X	X	X
	SP102	X	1			X					145	X	X	X
	SP103	X	1			X					201	X	X	X
	SP104	X	1			X					235	X	X	X
	SP201	X	1			X				7-25	850	X	X	X
	SP202	X	1			X					929	X	X	X
	SP203	X	1			X					955	X	X	X
	SP204	X	1			X					1041	X	X	X
	SP301	X	1			X					1150	X	X	X

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Relinquished By: *Bill Grubbs* Date: *7-28-14* Time: *8:50* Received By: *Scotti Henderson*

Delivered By: (Circle One) *20* Sample Condition: Intact Cool Yes No Yes No CHECKED BY: *[Signature]*

Sampler - UPS - Bus - Other: *20* *#54*

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Red Tank 34 Federal #2 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
H	34	22S	32E					Lea

Latitude N 32.34968° Longitude W 103.65624°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	30 bbls	Volume Recovered	24 bbls
Source of Release	Hammer union on 2" circulating line was replaced and was not tightened properly	Date and Hour of Occurrence	04/08/2014	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?	Jennifer Gilkey	Date and Hour	04/09/2014 @ 5:27 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.*

The hammer union on a 2" circulating line was replaced but not tightened properly causing 30 bbls of oil to leak onto the ground. 24 bbls of oil were recovered via vacuum truck and the hammer union was properly tightened.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 9' x 25' on location and inside the berm area around the tanks. Remediation will be completed in accordance with an approved remediation plan by 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 Environmental Specialist:	
Title:	HES Coordinator	Approval Date:	Expiration Date:
E-mail Address:	Chancey_Summers@oxy.com	Conditions of Approval:	
Date:	4-15-14	Phone:	(575) 397-8216
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary