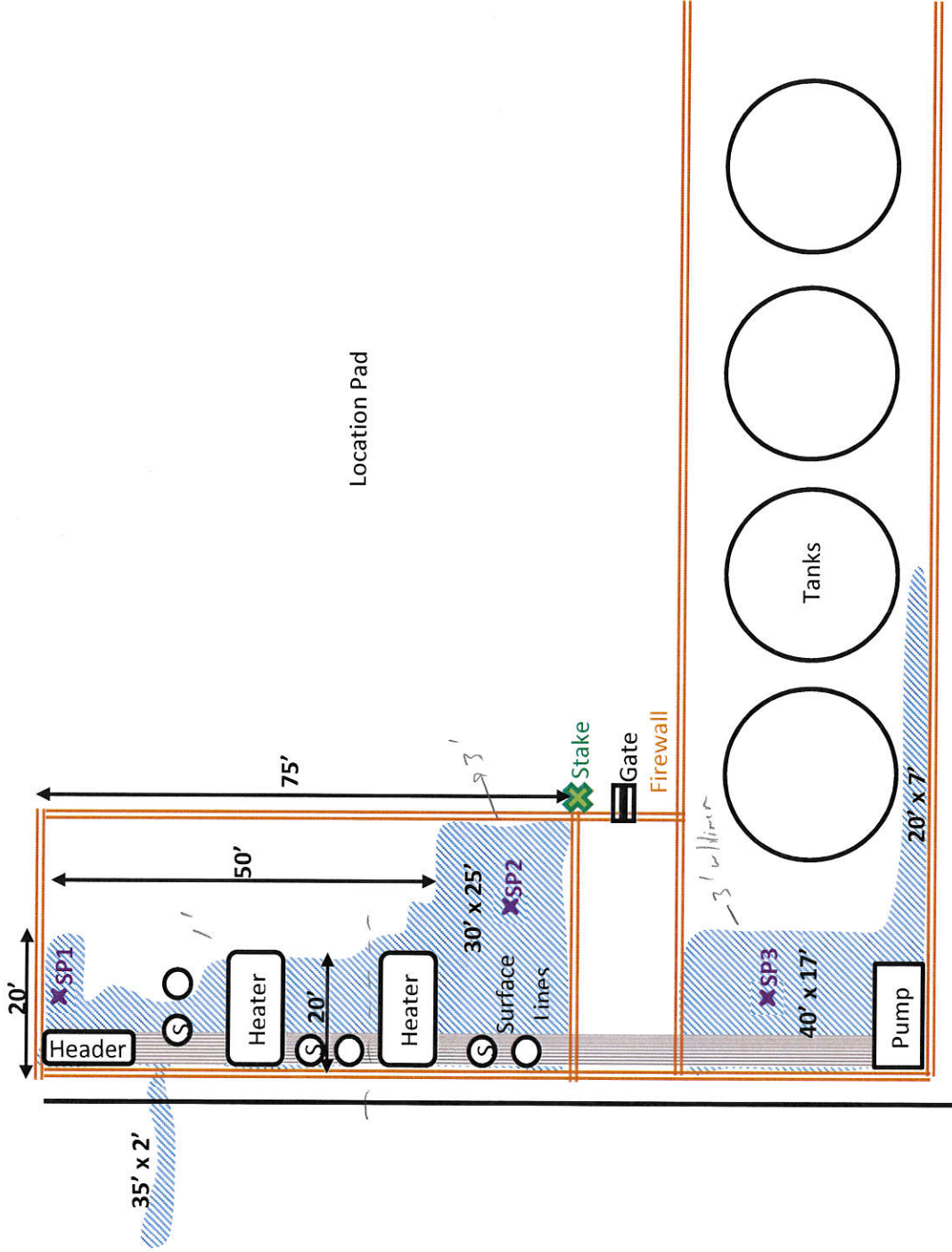




Oxy

# Red Tank 26 Federal #1 CTB



270 ok

U/L K, Section 26, T22S, R32E  
Lea County, NM  
N 32.36054° W 103.64818°  
API# 30-025-31855

BBC International, Inc.

Oxy

Red Tank 26 Federal #1 CTB

Date: 08/04/2014 DRWG by: K. Purvis  
NOT TO SCALE File: Oxy 2014



# Groundwater Plot

Oxy Red Tank 26 Federal #1 CTB

County  
Lea

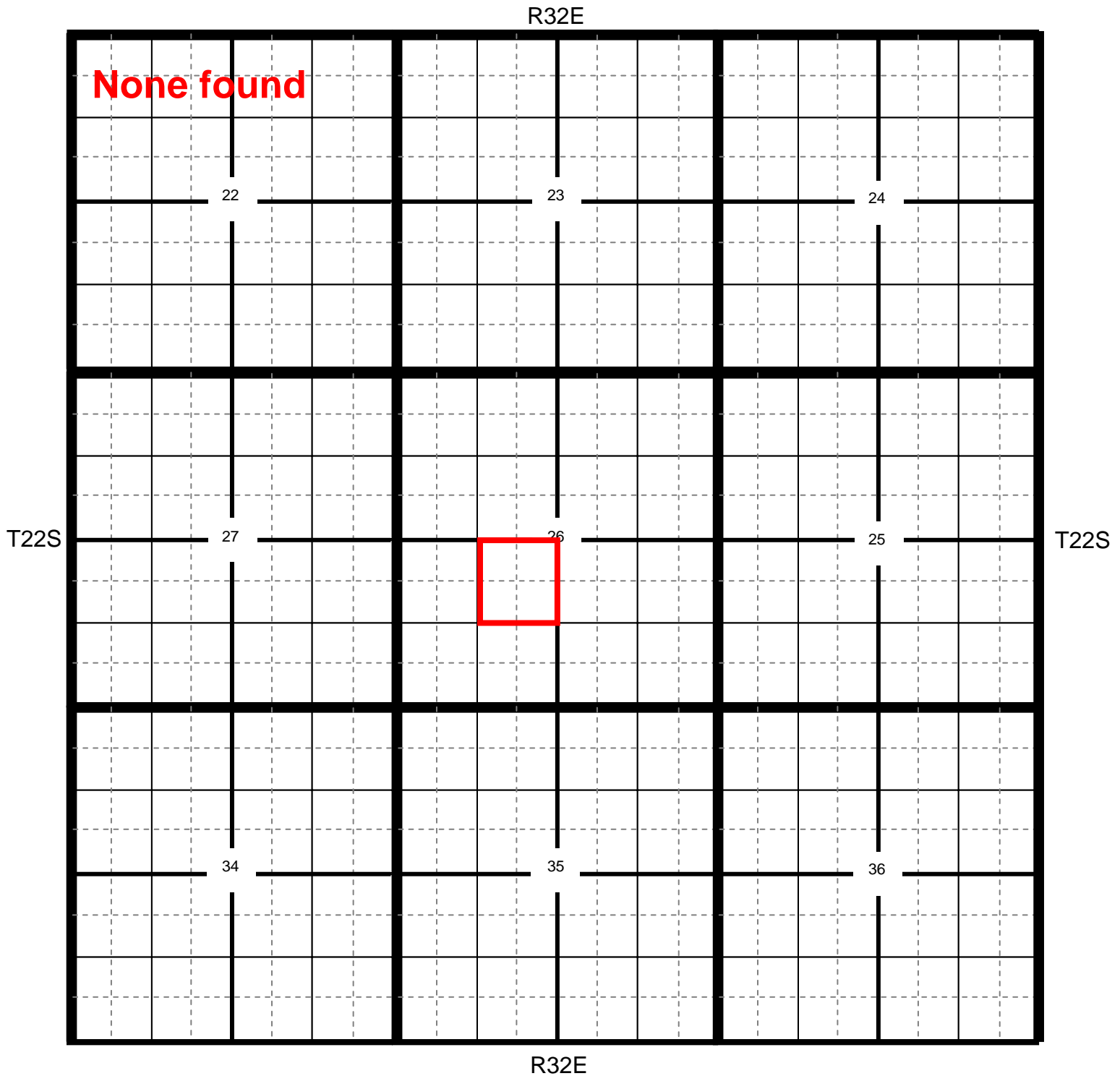
Unit Letter  
K

Section  
26

Township  
22S

Range  
32E

Trend Map 450'



Location

OCD

USGS

SEO

All Databases

## Oxy Red Tank 26 Federal #1 CTB

<b>County</b>	<b>Unit Letter</b>	<b>Section</b>	<b>Township</b>	<b>Range</b>
Lea	K	26	22S	32E

Trend Map 450'

1

2

NW/NW <b>None found</b>	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

## Red Tank 26 Federal #1

		Sample	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	9/4/14	9/4/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.112	<0.050
Ethylbenzene	BTEX 8021B		0.406	<0.050
Total Xylenes	BTEX 8021B		0.95	<0.150
Total BTEX	BTEX 8021B		1.47	<0.300
Chloride	SM4500Cl-B		672	144
GRO	TPH 8015M		138	<10.0
DRO	TPH 8015M		2590	156

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	9/4/14	9/4/14	9/4/14	9/4/14
			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		8800	1120	592	160
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

[illegible]



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

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September 15, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 26 FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 09/09/14 10:15.

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](http://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, flowing 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: 09/09/2014  
Reported: 09/15/2014  
Project Name: RED TANK 26 FEDERAL #1  
Project Number: NONE GIVEN  
Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/04/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H402795-01)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2014	ND	2.01	100	2.00	5.47	
Toluene*	0.112	0.050	09/11/2014	ND	1.81	90.3	2.00	5.66	
Ethylbenzene*	0.406	0.050	09/11/2014	ND	1.66	83.0	2.00	5.76	
Total Xylenes*	0.950	0.150	09/11/2014	ND	5.04	84.0	6.00	5.90	
Total BTEX	1.47	0.300	09/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 202 % 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
<b>Chloride</b>	<b>672</b>	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M			mg/kg					Analyzed By: ms	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>138</b>	50.0	09/11/2014	ND	177	88.3	200	1.34	
<b>DRO &gt;C10-C28</b>	<b>2590</b>	50.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 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:	09/09/2014	Sampling Date:	09/04/2014
Reported:	09/15/2014	Sampling Type:	Soil
Project Name:	RED TANK 26 FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

**Sample ID: SP 1 @ 2' (H402795-02)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2014	ND	1.81	90.4	2.00	11.1		
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52		
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79		
Total Xylenes*	<0.150	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70		
Total BTX	<0.300	0.300	09/12/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	144	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	156	10.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 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: 09/09/2014  
Reported: 09/15/2014  
Project Name: RED TANK 26 FEDERAL #1  
Project Number: NONE GIVEN  
Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/04/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1' (H402795-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	<0.150	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTX	<0.300	0.300	09/12/2014	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 88.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 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:	09/09/2014	Sampling Date:	09/04/2014
Reported:	09/15/2014	Sampling Type:	Soil
Project Name:	RED TANK 26 FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

**Sample ID: SP 2 @ 3' (H402795-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	<0.150	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTX	<0.300	0.300	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 94.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

**Sample ID: SP 2 @ 4' (H402795-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/11/2014	ND	400	100	400	0.00	

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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:	09/09/2014	Sampling Date:	09/04/2014
Reported:	09/15/2014	Sampling Type:	Soil
Project Name:	RED TANK 26 FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

**Sample ID: SP 2 @ 5' (H402795-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/11/2014	ND	400	100	400	0.00	

**Sample ID: SP 3 @ 1' (H402795-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
<b>Total Xylenes*</b>	<b>0.208</b>	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	<0.300	0.300	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	7360	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	429	50.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 141 % 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:	09/09/2014	Sampling Date:	09/04/2014
Reported:	09/15/2014	Sampling Type:	Soil
Project Name:	RED TANK 26 FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

**Sample ID: SP 3 @ 3' (H402795-08)**

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	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
<b>Total Xylenes*</b>	<b>0.211</b>	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	<0.300	0.300	09/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	8240	16.0	09/11/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	47.9	10.0	09/11/2014	ND	200	100	200	3.79	

Surrogate: 1-Chlorooctane 94.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

**Sample ID: SP 3 @ 5' (H402795-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	09/11/2014	ND	400	100	400	0.00	

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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:	09/09/2014	Sampling Date:	09/04/2014
Reported:	09/15/2014	Sampling Type:	Soil
Project Name:	RED TANK 26 FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

**Sample ID: SP 3 @ 7' (H402795-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	09/11/2014	ND	400	100	400	0.00		

**Sample ID: SP 3 @ 9' (H402795-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	09/11/2014	ND	400	100	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





**(575) 393-2326 FAX (575) 393-2476**

2 of 2

(575) 393-2926  
#54



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

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November 06, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 26 FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 11/04/14 9:15.

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](http://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, flowing 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: 11/04/2014  
Reported: 11/06/2014  
Project Name: RED TANK 26 FEDERAL #1  
Project Number: NONE GIVEN  
Project Location: OXY - LEA COUNTY, NM

Sampling Date: 11/03/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 11 (H403392-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	11/04/2014	ND	400	100	400	0.00	

**Sample ID: SP 3 @ 13 (H403392-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	11/05/2014	ND	416	104	400	3.77	

**Sample ID: SP 3 @ 16 (H403392-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	11/05/2014	ND	416	104	400	3.77	

**Sample ID: SP 3 @ 17 (H403392-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/05/2014	ND	416	104	400	3.77	

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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: 11/04/2014  
Reported: 11/06/2014  
Project Name: RED TANK 26 FEDERAL #1  
Project Number: NONE GIVEN  
Project Location: OXY - LEA COUNTY, NM

Sampling Date: 11/03/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 18 (H403392-05)**

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	11/05/2014	ND	416	104	400	3.77		

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**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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\*=Accredited Analyte

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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

Company Name: BBC International, Inc.		P.O. #:		BILL TO												ANALYSIS REQUEST																											
Project Manager: Cliff Brunson		Company:																																									
Address: P.O. Box 805		Attn:																																									
City: Hobbs		State: NM		Zip: 88241																																							
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																																							
Project #:		City: Santa Fe		State:		Zip:																																					
Project Name: Red Tank 26 Fed #1		Phone #:																																									
Project Location: Mills Ranch		Fax #:																																									
Sampler Name: L.O.																																											
FOR LAB USE ONLY																																											
Lab I.D. H403392		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME															
1		SP3011		G11		1		X		X		X		X		X		X		X		X		X		11-3		945		X		CL -											
2		G16		G11		1		X		X		X		X		X		X		X		X		X		11-3		1100		X													
3		G17		G11		1		X		X		X		X		X		X		X		X		X		11-3		1000		X													
4		G18		G11		1		X		X		X		X		X		X		X		X		X		11-3		1300		X													
5				G11		1		X		X		X		X		X		X		X		X		X		11-3		159		X													
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																											
Relinquished By: [Signature]		Date: 11-4-14		Time: 9:15		Received By: [Signature]		Date: 11-4-14		Time: 1:40		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: [Signature]																													
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:																																									
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

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 26 Federal #1 CTB	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-025-31855
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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
K	26	22S	32E					Lea County, NM

Latitude N 32.36054° Longitude W 103.64818°

### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 15 bbls water	Volume Recovered	0 bbls
Source of Release	Erosion of nipple in the header of 2" steel flow line	Date and Hour of Occurrence	07/17/2014	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?	Tomas Oberding, NMOCD and Sol Hughes, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	07/18/2014 @ 4:28 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.\*

Erosion of a nipple in the header caused 5 bbls of oil and 15 bbls of water to leak onto the ground from a 2" steel flow line. No fluids were recovered and the nipple was replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 110' x 25' inside the firewall. This leak is almost completely contained inside the firewall with only a very small portion of the leak coming off the west side. Remediation will be completed in accordance with a remediation plan approved 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:	<u>OIL CONSERVATION DIVISION</u>		
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:		Attached <input type="checkbox"/>
Date: 7-31-14	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary