

Bratcher, Mike, EMNRD

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, September 20, 2013 3:24 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Lost Tank 33 Federal #2-Remediation Plan
Attachments: Remediation Packet- Lost Tank 33-2.pdf

Mike,

This e-mail is to confirm our conversation the other day 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 the leak area south of the pit area as depicted on the site diagram and represented by sample points SP1-SP5 to a depth of 1-2 feet or as practicable. In the former pit area, Oxy will remove 2 feet and then backfill with 1 foot of caliche and 2 feet of top soil. This area is represented by sample points SP6-SP7.

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

Thanks, Cliff

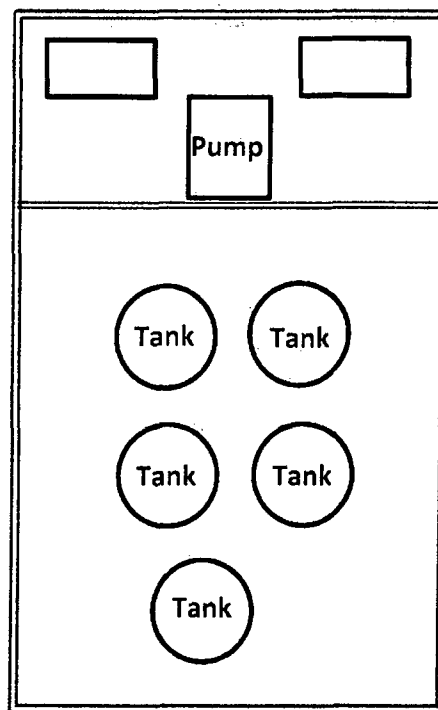
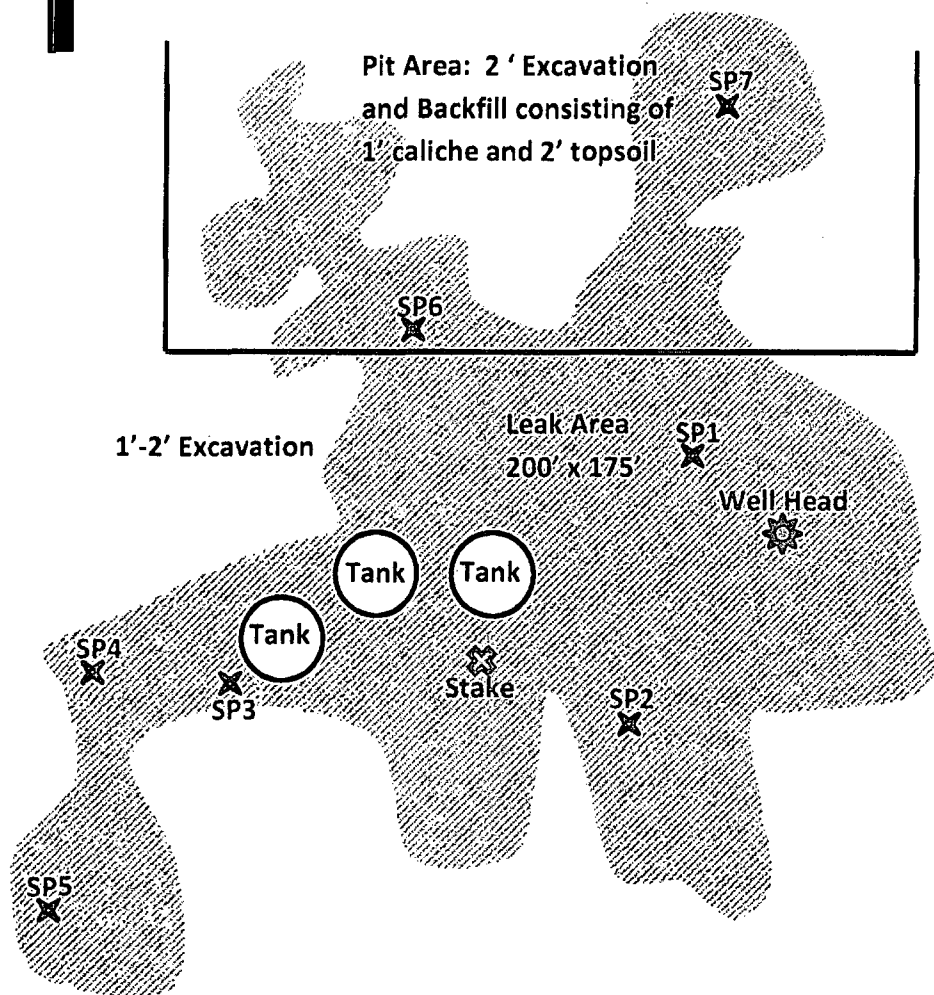
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
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Oxy

Lost Tank 33 Federal #2



Firewall

U/L M, Section M, T21S, R31E

330' FSL and 510' FWL

Eddy County, NM

N 32.42852° W 103.78965°

API# 30-015-29330 NM Lease # 96231

BBC International, Inc.

Oxy

Lost Tank 33 Federal #2

Date: 07/17/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Lost Tank 33 Federal #2

County
Eddy

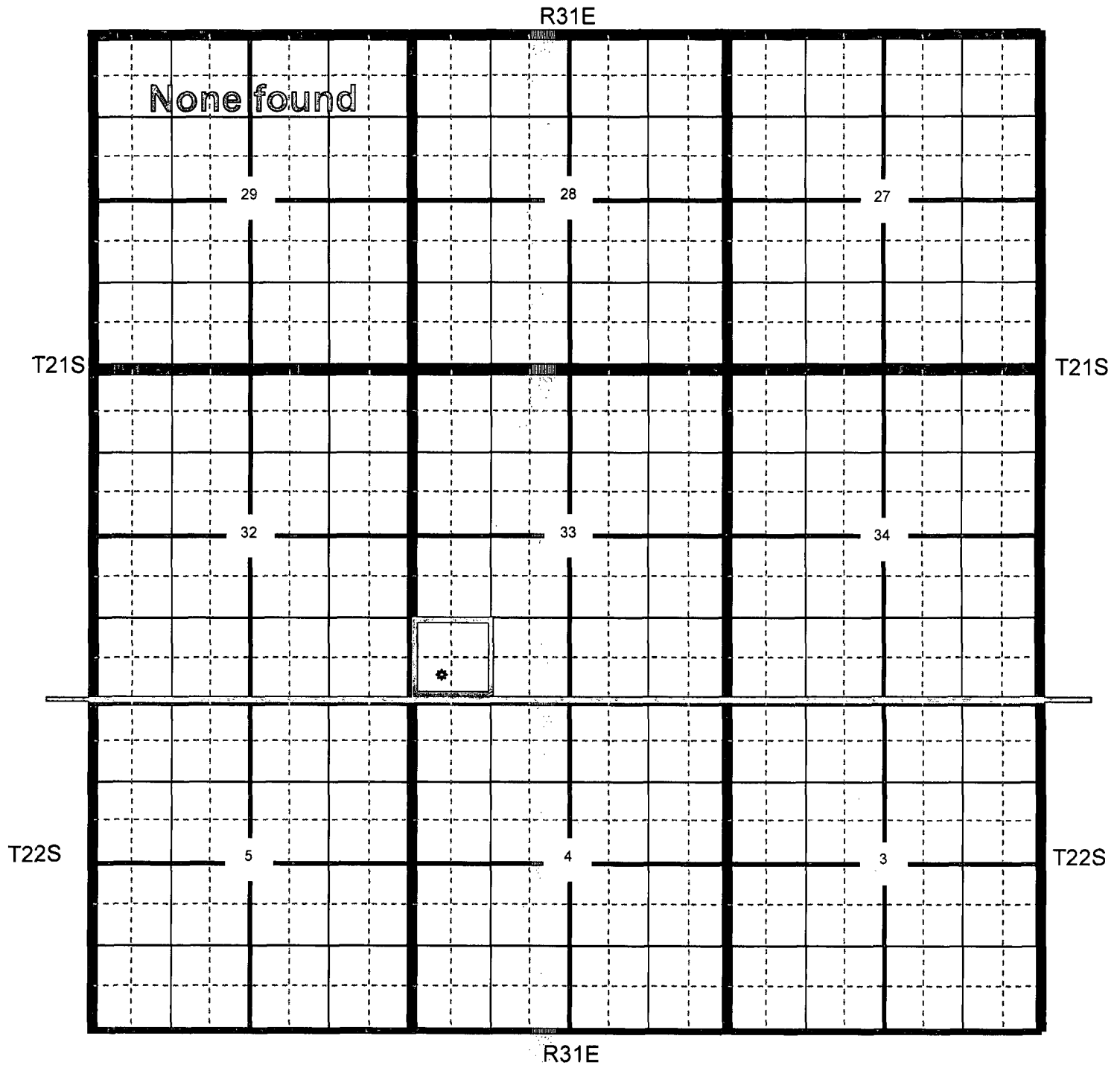
Unit Letter
M

Section
33

Township
21S

Range
31E

Trend Map 175'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters


Oxy Lost Tank 33 Federal #2

County Eddy Unit Letter M Section 33 Township 21S Range 31E

Trend Map 175'


1

2

NW/NW None found	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
Lost Tank 33 Federal #2

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 4'	SP1 @ 7'	SP1 @ 10'	SP1 @ 13'
Analyte	Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1120	704	560	64	<16.0	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 4'	SP4 @ 7'	SP4 @ 10'
Analyte	Method	Date	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2800	112	560	64	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 7'	SP2 @ 10'	SP2 @ 13'
Analyte	Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2680	112	592	656	496	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 4'	SP5 @ 7'	SP5 @ 10'
Analyte	Method	Date	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2600	704	592	64	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 7'	SP3 @ 10'	SP3 @ 13'
Analyte	Method	Date	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2880	112	592	528	<16.0	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a

Old Pit Area Sample		Sample	SP6 @ 2'
Analyte	Method	Date	7/31/13
			mg/Kg
Chloride	SM4500Cl-B		16600

Old Pit Area Sample		Sample	SP7 @ 2'
Analyte	Method	Date	7/31/13
			mg/Kg
Chloride	SM4500Cl-B		20400



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

August 11, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 33 FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 08/07/13 11:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Celest D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/07/2013	Sampling Date:	07/30/2013
Reported:	08/11/2013	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H301841-01)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2013	ND	2.28	114	2.00	1.60	
Toluene*	<0.050	0.050	08/09/2013	ND	2.19	110	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/09/2013	ND	2.12	106	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/09/2013	ND	6.32	105	6.00	3.00	
Total BTEX	<0.300	0.300	08/09/2013	ND					

Surrogate: Dibromofluoromethane 98.7 % 61.3-142
Surrogate: Toluene-d8 101 % 71.3-129
Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	08/09/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/09/2013	ND	191	95.5	200	0.596	
DRO >C10-C28	<10.0	10.0	08/09/2013	ND	204	102	200	0.0598	

Surrogate: 1-Chlorooctane 104 % 65.2-140
Surrogate: 1-Chlorooctadecane 126 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/07/2013	Sampling Date:	07/30/2013
Reported:	08/11/2013	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 3' (H301841-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	08/09/2013	ND	416	104	400	0.00		

Sample ID: SP 1 @ 4' (H301841-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 1 @ 7' (H301841-04)

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	08/09/2013	ND	416	104	400	0.00		

Sample ID: SP 1 @ 10' (H301841-05)

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	08/09/2013	ND	416	104	400	0.00		

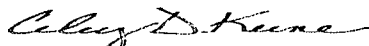
Sample ID: SP 1 @ 13' (H301841-06)

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	08/09/2013	ND	416	104	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: 08/07/2013
 Reported: 08/11/2013
 Project Name: LOST TANK 33 FEDERAL #2
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H301841-07)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2013	ND	2.28	114	2.00	1.60	
Toluene*	<0.050	0.050	08/09/2013	ND	2.19	110	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/09/2013	ND	2.12	106	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/09/2013	ND	6.32	105	6.00	3.00	
Total BTEX	<0.300	0.300	08/09/2013	ND					

Surrogate: Dibromofluoromethane 98.1 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	08/09/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/09/2013	ND	191	95.5	200	0.596	
DRO >C10-C28	<10.0	10.0	08/09/2013	ND	204	102	200	0.0598	

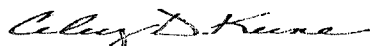
Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/07/2013
 Reported: 08/11/2013
 Project Name: LOST TANK 33 FEDERAL #2
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/30/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H301841-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 4' (H301841-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 7' (H301841-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 10' (H301841-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 13' (H301841-12)

Chloride, SM4500CI-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	08/09/2013	ND	416	104	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: 08/07/2013
 Reported: 08/11/2013
 Project Name: LOST TANK 33 FEDERAL #2
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H301841-13)

BTEX 82608		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2013	ND	2.28	114	2.00	1.60	
Toluene*	<0.050	0.050	08/09/2013	ND	2.19	110	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/09/2013	ND	2.12	106	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/09/2013	ND	6.32	105	6.00	3.00	
Total BTEX	<0.300	0.300	08/09/2013	ND					

Surrogate: Dibromofluoromethane 97.8 % 61.3-142

Surrogate: Toluene-d8 99.5 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	08/09/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/10/2013	ND	191	95.5	200	0.596	
DRO >C10-C28	<10.0	10.0	08/10/2013	ND	204	102	200	0.0598	

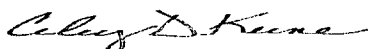
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/07/2013
 Reported: 08/11/2013
 Project Name: LOST TANK 33 FEDERAL #2
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H301841-14)

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	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 3 @ 4' (H301841-15)

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	08/09/2013	ND	416	104	400	0.00	

Sample ID: SP 3 @ 7' (H301841-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/09/2013	ND	416	104	400	0.00		

Sample ID: SP 3 @ 10' (H301841-17)

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	08/09/2013	ND	416	104	400	0.00		

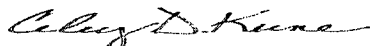
Sample ID: SP 3 @ 13' (H301841-18)

Chloride, SM4500CI-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	08/09/2013	ND	416	104	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:	08/07/2013	Sampling Date:	07/31/2013
Reported:	08/11/2013	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1' (H301841-19)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2013	ND	2.28	114	2.00	1.60	
Toluene*	<0.050	0.050	08/09/2013	ND	2.19	110	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/09/2013	ND	2.12	106	2.00	1.60	
Total Xylenes*	<0.150	0.150	08/09/2013	ND	6.32	105	6.00	3.00	
Total BTEX	<0.300	0.300	08/09/2013	ND					

Surrogate: Dibromofluoromethane 96.4 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	08/09/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/10/2013	ND	191	95.5	200	0.596	
DRO >C10-C28	<10.0	10.0	08/10/2013	ND	204	102	200	0.0598	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/07/2013
 Reported: 08/11/2013
 Project Name: LOST TANK 33 FEDERAL #2
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/31/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 3' (H301841-20)

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	08/09/2013	ND	448	112	400	7.41		

Sample ID: SP 4 @ 4' (H301841-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/09/2013	ND	448	112	400	7.41		

Sample ID: SP 4 @ 7' (H301841-22)

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	08/09/2013	ND	448	112	400	7.41	

Sample ID: SP 4 @ 10' (H301841-23)

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	08/09/2013	ND	448	112	400	7.41		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/07/2013
Reported: 08/11/2013
Project Name: LOST TANK 33 FEDERAL #2
Project Number: NOT GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 @ 1' (H301841-24)

BTX 8260B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2013	ND	2.28	114	2.00	1.60		
Toluene*	<0.050	0.050	08/09/2013	ND	2.19	110	2.00	2.07		
Ethylbenzene*	<0.050	0.050	08/09/2013	ND	2.12	106	2.00	1.60		
Total Xylenes*	<0.150	0.150	08/09/2013	ND	6.32	105	6.00	3.00		
Total BTX	<0.300	0.300	08/09/2013	ND						

Surrogate: Dibromofluoromethane 96.2 % 61.3-142
Surrogate: Toluene-d8 100 % 71.3-129
Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	08/09/2013	ND	448	112	400	7.41		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/10/2013	ND	191	95.5	200	0.596		
DRO >C10-C28	<10.0	10.0	08/10/2013	ND	204	102	200	0.0598		

Surrogate: 1-Chlorooctane 110 % 65.2-140
Surrogate: 1-Chlorooctadecane 133 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/07/2013	Sampling Date:	07/31/2013
Reported:	08/11/2013	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 3' (H301841-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	08/09/2013	ND	448	112	400	7.41	

Sample ID: SP 5 @ 4' (H301841-26)

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	08/09/2013	ND	448	112	400	7.41	

Sample ID: SP 5 @ 7' (H301841-27)

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	08/09/2013	ND	448	112	400	7.41	

Sample ID: SP 5 @ 10' (H301841-28)

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	08/09/2013	ND	448	112	400	7.41		

Sample ID: SP 6 @ 2' (H301841-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16600	16.0	08/09/2013	ND	448	112	400	7.41		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/07/2013	Sampling Date:	07/31/2013
Reported:	08/11/2013	Sampling Type:	Soil
Project Name:	LOST TANK 33 FEDERAL #2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		


Sample ID: SP 7 @ 2' (H301841-30)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	08/09/2013	ND	448	112	400	7.41	

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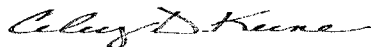
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 14 of 16

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST																
Project Manager: Cliff Brunson										P.O. #:																										
Address: P.O. Box 805										Company:																										
City: Hobbs State: NM Zip: 88241										Attn:																										
Phone #: 575-397-6388 Fax #: 575-397-0397										Address:																										
Project #: Project Owner: Oxy										City:																										
Project Name: Lost Tank 33 Federal #2										State: Zip:																										
Project Location: Eddy County, NM										Phone #:																										
Sampler Name: Roger Hernandez										Fax #:																										
FOR LAB USE ONLY																																				
Lab I.D.		Sample I.D.								G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.			SAMPLING																	
												GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME														
H301841										G	1			✓				✓			7/30/13	9:10 AM	✓	✓	✓											
1		SP1 @ 1'								G	1			✓				✓			7/30/13	9:47 AM	✓													
2		SP1 @ 3'								G	1			✓				✓			7/30/13	10:05 AM	✓													
3		SP1 @ 4'								G	1			✓				✓			7/30/13	11:05 AM	✓													
4		SP1 @ 7'								G	1			✓				✓			7/30/13	11:59 AM	✓													
5		SP1 @ 10'								G	1			✓				✓			7/30/13	1:08 PM	✓													
6		SP1 @ 13'								G	1			✓				✓			7/30/13	1:45 PM	✓	✓	✓											
7		SP2 @ 1'								G	1			✓				✓			7/30/13	2:15 PM	✓													
8		SP2 @ 3'								G	1			✓				✓			7/30/13	2:20 PM	✓													
9		SP2 @ 4'								G	1			✓				✓			7/30/13	2:47 PM	✓													
10		SP2 @ 7'								G	1			✓				✓			7/30/13	2:47 PM	✓													

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Relinquished By: <i>[Signature]</i>		Date: <i>4/3/13</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
		Time: <i>5:00pm</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Relinquished By: <i>[Signature]</i>		Date: <i>4/3/13</i>	Received By: <i>[Signature]</i>	REMARKS:	
		Time: <i>11:58pm</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>		

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Page 15 of 16

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																				
Project Manager: Cliff Brunson				P.O. #:																								
Address: P.O. Box 805				Company:																								
City: Hobbs		State: NM Zip: 88241		Attn:																								
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																								
Project #:		Project Owner: Oxy		City:																								
Project Name: Lost Tank 33 Federal #2				State: Zip:																								
Project Location: Eddy County, NM				Phone #:																								
Sampler Name: Roger Hernandez				Fax #:																								
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	(G/RAB OR C) OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME														
11	SP2 @ 10'	6	1			✓				✓			7/30/13	3:13 PM	✓													
12	SP2 @ 13'	6	1			✓				✓			7/30/13	3:50 PM	✓													
13	SP3 @ 1'	6	1			✓				✓			7/31/13	9:10 AM	✓	✓	✓											
14	SP3 @ 3'	6	1			✓				✓			7/31/13	9:39 AM	✓													
15	SP3 @ 4'	6	1			✓				✓			7/31/13	9:53 AM	✓													
16	SP3 @ 7'	6	1			✓				✓			7/31/13	10:41 AM	✓													
17	SP3 @ 10'	6	1			✓				✓			7/31/13	11:26 AM	✓													
18	SP3 @ 13'	6	1			✓				✓			7/31/13	12:09 PM	✓													
19	SP4 @ 1'	6	1			✓				✓			7/31/13	12:31 PM	✓	✓	✓											
20	SP4 @ 3'	6	1			✓				✓			7/31/13	12:55 PM	✓													

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Relinquished By:	Date: 7/31/13 Time: 5:00pm	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 7/31/13 Time: 11:58pm	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY:	
REMARKS:				

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

#54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Cliff Brunson				P.O. #:																																							
Address: P.O. Box 805				Company:																																							
City: Hobbs		State: NM		Zip: 88241		Attn:																																					
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																																							
Project #:		Project Owner: Oxy		City:																																							
Project Name: Lost Tank 33 Federal #2				State: Zip:																																							
Project Location: Eddy County, NM				Phone #:																																							
Sampler Name: Roger Hernandez				Fax #:				CI TPH BTEX																																			
FOR LAB USE ONLY				MATRIX																PRESERV.		SAMPLING																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS														GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME			
H																																											
21		SP4 @ 4'		G		1																		✓										✓				7/31/13		1:08 PM		✓	
22		SP4 @ 7'		G		1																		✓										✓				7/31/13		1:34 PM		✓	
23		SP4 @ 10'		G		1																		✓										✓				7/31/13		2:04 PM		✓	
24		SP5 @ 1'		G		1						✓										✓		✓		7/31/13		2:13 PM		✓													
25		SP5 @ 3'		G		1						✓										✓				7/31/13		2:20 PM		✓													
26		SP5 @ 4'		G		1						✓										✓				7/31/13		2:24 PM		✓													
27		SP5 @ 7'		G		1						✓										✓				7/31/13		2:38 PM		✓													
28		SP5 @ 10'		G		1						✓										✓				7/31/13		2:50 PM		✓													
29		SP6 @ 2'		G		1						✓										✓				7/31/13		3:09 PM		✓													
30		SP7 @ 2'		G		1						✓										✓				7/31/13		3:22 PM		✓													
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: 7/31/13										Received By: [Signature]										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No													
Relinquished By: [Signature]										Date: 8/1/13										Received By: Jodi Benson										Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No													
Delivered By: (Circle One)										Time: 5:00pm										Time: 11:58pm										CHECKED BY: [Signature]													
Sampler - UPS - Bus - Other:										5.2°C										Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No										Add'l Phone #:													
																														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 Branzos 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	Lost Tank 33 Federal #2	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-29330

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	33	21S	31E	330	South	510	West	Eddy

Latitude N 32.42852° Longitude W 103.78965°

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	2500 bbls	Volume Recovered	20 bbls
Source of Release	Fracture on Y strainer	Date and Hour of Occurrence	07/12/2013	Date and Hour of Discovery	07/12/2013
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher-NMOCD; Jennifer Van Curen, James Amos- BLM		
By Whom?	Chancey Summers	Date and Hour	07/15/2013 @ 9:05 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

A fracture on a Y strainer on a 3" steel pipe from the wellhead to the pump caused 2500 bbls of produced water to leak onto the ground. 20 bbls of water were recovered via vacuum truck and the Y strainer was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 200' x 175'. 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 Specialist		Approval Date:	Expiration Date:
E-mail Address: <u>Chancey.Summers@oxy.com</u>		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>8-6-13</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary