## Bratcher, Mike, EMNRD

From:

Cliff P. Brunson <cbrunson@bbcinternational.com>

Sent:

Wednesday, January 01, 2014 1:28 PM

To:

Bratcher, Mike, EMNRD

Cc:

C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject:

OXY-Lost Tank 35 State #4 CTB-Remediation Plan

**Attachments:** 

Remediation Packet-Lost Tank 35-4.pdf

Mike.

This e-mail is to confirm our conversation on December 18, 2013 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 entire spill area to a depth of 4 feet with a liner put in place. The liner will be under the line that ruptured. The area will then be backfilled with clean soil.

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

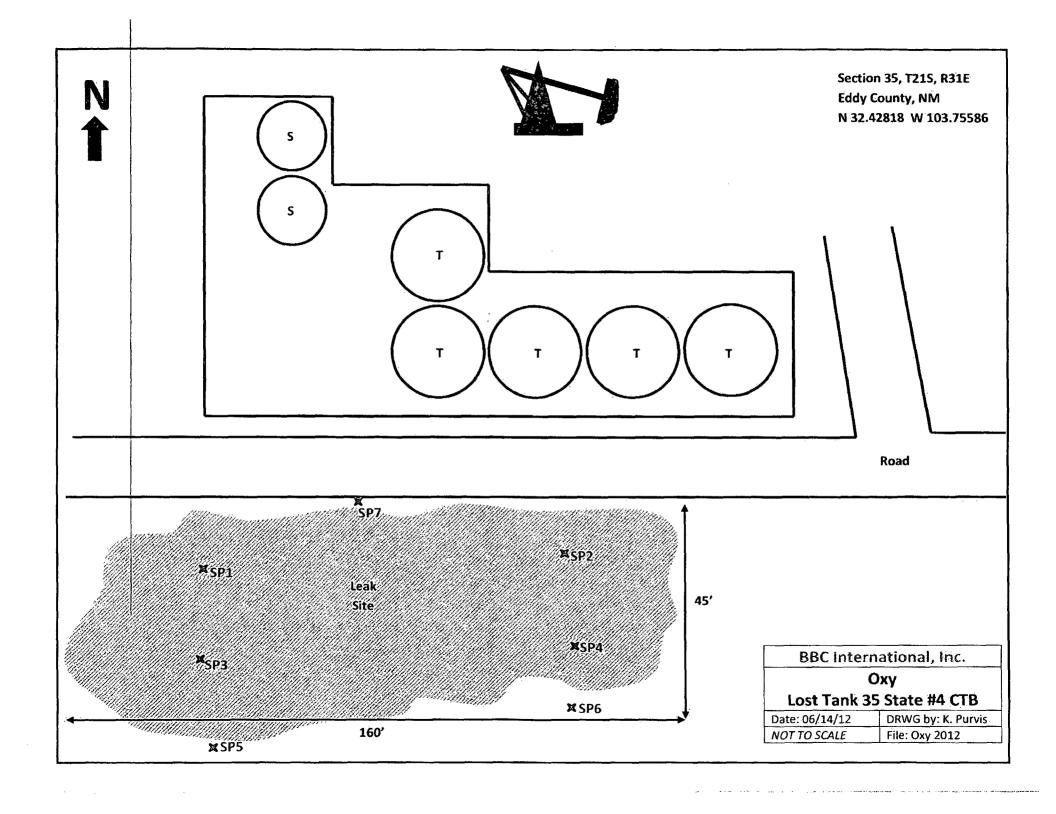
Thanks, Cliff

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: <a href="mailto:cbrunson@bbcinternational.com">cbrunson@bbcinternational.com</a>

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# **Groundwater Plot**

# Oxy Lost Tank 35 State #4 CTB

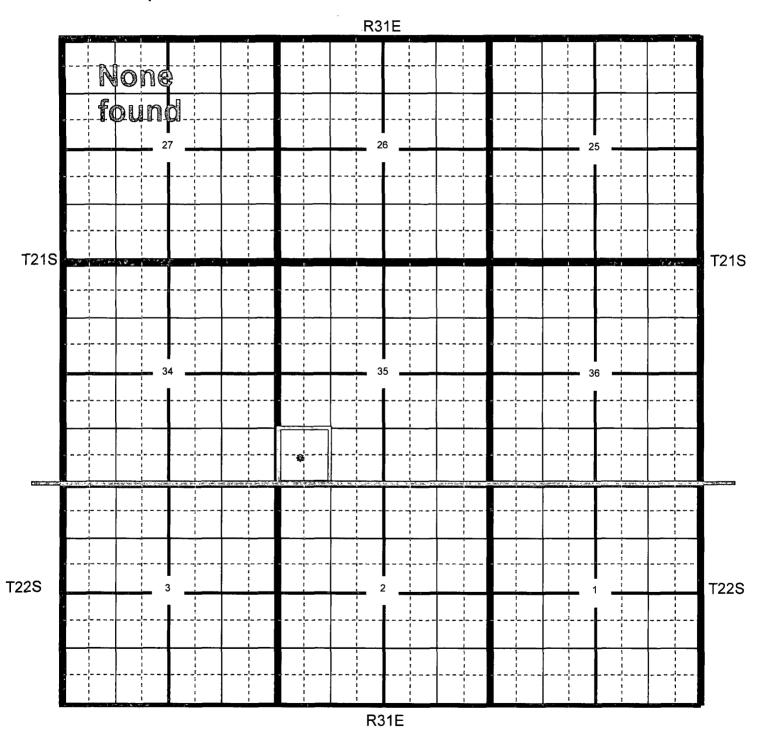
County Eddy *Unit Letter* M

Section 35

Township 21S Range 31E

Trend Map

100'-150'



**♦** Location

OCD

OUSGS

© SEO

All Databases



# **Section Quarters**

# Oxy Lost Tank 35 State #4 CTB

County Eddy *Unit Letter* M Section 35 Township 21S Range 31E

Trend Map

100'-150'

1

2

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Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Location

OCD

OUSGS

SEO

All Databases

# Laboratory Analytical Results Summary OXY, Lost Tank 35 State #4 CTB

		Sample	SP1 @	SP1@1
Analyte	Method	Date	10/25/12	10/25/12
			mg/Kg	mg/Kg
Benzene	BTEX 8021B	1	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B	T	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		384	96
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		29.4	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1*	SP2 @ 3"	SP2 @ 7'	SP2 @ 10'
Analyte	Method	Date	10/25/12	10/25/12	10/25/12	10/25/12	10/25/12
			rag/Kg	mgÆg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	< 0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	< 0.050	N/A	N/A
Total Xylenes	BTEX 8021B	Ĭ .	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	< 0.300	< 0.300	N/A	N/A
Chloride	SM4500CI-B		3440	752	992	10000	112
GRO	TPH 8015M	1	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		177	<10.0	<10.0	N/A	N/A

		Sample	SP3 @	SP3 @ 1'	SP3 @ 3*	SP3 @ 7'	SP3 @ 12'	SP3 @ 18*
Analyte	Method	Date	10/25/12	10/25/12	10/25/12	10/25/12	10/25/12	10/25/12
		· ·	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	0.068	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	0.85	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	2.29	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	3.21	<0.300	N/A	N/A	N/A
Chloride	SM4500CI-B		1040	-3320	3040	18400	14000	12600
GRO	TPH 8015M		<50.0	220	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		872	6310	10.6	N/A	N/A	N/A

		Sample	SP4@ SURFACE	SP4 @ 1"	SP4 @ 3'	SP4@7	SP4 @ 12'	SP4 @ 17'
Analyte	Method	Date	10/25/12	10/25/12	10/25/12	10/25/12	10/25/12	10/25/12
			mgÆg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B	1	<0.050	<0.050	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B	1	<0.050	<0.050	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B	1	<0.150	<0.150	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	N/A	N/A	N/A
Chloride	SM4500CI-B	1	272	480	6700	21200	4720	144
GRO	TPH 8015M	1	<10.0	<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M	1	<10.0	12.6	33.6	N/A	N/A	N/A

		Sample	SP5 @ SURFACE	SP5 @ 3"	SP5 @ 7	SP5 @ 10*
Analyte	Method	Date	10/26/12	10/26/12	10/26/12	10/26/12
			mg/Kg	mgÆg	mg/Kg	mg/Kg
Chloride	SM4500CI-B	T	16	16	32	<16.0

		Sample	SP6 @	SP6 @ 3"	SP6 @ 7*	SP6 @ 10'
Analyte	Method	Date	10/26/12	10/25/12	10/26/12	10/26/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B	1	<16.0	<16.0	<16.0	<16.0

		Sample	SP7 @	SP7 @ 31	SP7 @ 5"
Analyte	Method	Date	10/26/12	10/26/12	10/26/12
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B	1	<16.0	<16.0	<16.0



November 07, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 35-4

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 16:25.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celeg & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

11/01/2012

Sampling Date:

10/25/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

LOST TANK 35-4 NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

Project Location: EDDY COUNTY, NM

## Sample ID: SP 1 @ SURFACE (H202671-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	< 0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	< 0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	29.4	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	85.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.0	% 63.6-15	4						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kune



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

LOST TANK 35-4

Project Name: Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 1' (H202671-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP				•	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	<0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	<10.0	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	84.9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	94.8	% 63.6-15	4						

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Celey D. Keine



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

11/01/2012

Sampling Date:

10/25/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

LOST TANK 35-4

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ SURFACE (H202671-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	<0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIE	119 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	177	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	85.9	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane

97.1%

63.6-154

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Fax To: (505) 397-0397

Received:

11/01/2012

Reported:

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

16

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ 1' (H202671-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP	<u> </u>				_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	< 0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	< 0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS			****		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	<10.0	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	82.7 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.0 9	% 63.6-15	4						

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Celey D. Keens



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

Project Name:

LOST TANK 35-4

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 2 @ 3' (H202671-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	< 0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					a_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	<10.0	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	86.2	% 65.2-14	0						_
Surrogate: 1-Chlorooctadecane	96.0	% 63.6-15	4						

## Sample ID: SP 2 @ 7' (H202671-06)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	11/06/2012	ND	416	104	400	3.92	

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Celey D. Keine



BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

## Sample ID: SP 2 @ 10' (H202671-07)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/06/2012	ND	416	104	400	3.92	

Analyzed By: AP

# Sample ID: SP 3 @ SURFACE (H202671-08) BTEX 8021B mg/kg

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	<0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	135	% 89.4-120	6						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM		<del>.</del>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10			11/05/2012	ND	104	06.0	200	4.39	
GKO CO-C10	<50.0	50.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	<50.0 <b>872</b>	50.0 50.0	11/05/2012	ND ND	217	108	200	1.00	
		50.0	11/05/2012						

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S-04

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BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 1' (H202671-09)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	0.068	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	0.850	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	2.29	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	3.21	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	525 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	220	50.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	6310	50.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	125 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	164 5	% 63.6-15	4						

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Hobbs NM, 88241

(505) 397-0397 Fax To:

Received: Reported: 11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: SP 3 @ 3' (H202671-10)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	< 0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	126 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	10.6	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	91.1	% 65.2-14	0				······································		
Surrogate: 1-Chlorooctadecane	103 9	63.6-15	4						

## Sample ID: SP 3 @ 7' (H202671-11)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	11/06/2012	ND	416	104	400	3.92	

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BBC International, Inc.

Cliff Brunson

P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 12' (H202671-12)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: HM

Analyte

Analyte

Result 14000

16.0 11/06/2012

Reporting Limit

Reporting Limit

16.0

Method Blank ND

BS 416 % Recovery

104

True Value QC

Qualifier

3.92

RPD

Sample ID: SP 3 @ 18' (H202671-13)

Chloride, SM4500CI-B

Result

12600

Analyzed By: HM

Analyzed 11/06/2012

Analyzed

Method Blank

ND

BS 416 % Recovery 104

True Value QC 400

400

RPD

3.92

Qualifier

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Page 10 of 20



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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Sampling Date:

10/25/2012

Received: Reported: 11/01/2012 11/07/2012

Sampling Type:

Soil

Project Name:

LOST TANK 35-4 NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

EDDY COUNTY, NM

## Sample ID: SP 4 @ SURFACE (H202671-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP				s	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	< 0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	< 0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	<10.0	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	88.7	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.49	63.6-15	4						

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Hobbs NM, 88241

Fax To: (505) 397-0397

Received: Reported:

11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

## Sample ID: SP 4 @ 1' (H202671-15)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	<0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	< 0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 %	6 89.4-12	6			<u>.</u>			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	12.6	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	89.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.69	% 63.6-15	4						

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Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

## Sample ID: SP 4 @ 3' (H202671-16)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	%-Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2012	ND	1.85	92.7	2.00	9.78	
Toluene*	<0.050	0.050	11/06/2012	ND	2.07	104	2.00	8.18	
Ethylbenzene*	<0.050	0.050	11/06/2012	ND	2.08	104	2.00	8.02	
Total Xylenes*	<0.150	0.150	11/06/2012	ND	6.35	106	6.00	7.19	
Total BTEX	<0.300	0.300	11/06/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 9	6 89.4-12	6	,					•
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6700	16.0	11/06/2012	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2012	ND	194	96.9	200	4.39	
DRO >C10-C28	33.6	10.0	11/05/2012	ND	217	108	200	1.00	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.5	% 63.6-15	4						

## Sample ID: SP 4 @ 7' (H202671-17)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	11/06/2012	ND	416	104	400	3.92	

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Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 11/01/2012

11/07/2012

Project Name: Project Number: LOST TANK 35-4 NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

10/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

## Sample ID: SP 4 @ 12' (H202671-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	11/06/2012	ND	416	104	400	3.92	
Sample ID: SP 4 @ 17' (H2	202671-19)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/06/2012	ND	416	104	400	3.92	
Sample ID: SP 5 @ SURFA Chloride, SM4500Cl-B	•	<b>1-20)</b> /kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride	Result <b>16.0</b>	Reporting Limit	Analyzed 11/06/2012	Method Blank ND	BS 416	% Recovery	True Value QC 400	RPD 3.92	Qualifier
·	16.0	. •	,			•	•		Qualifier
Chloride	16.0	. •	11/06/2012			•	•		Qualifier
Chloride Sample ID: SP 5 @ 3' (H20	16.0	16.0	11/06/2012	ND		•	•		Qualifier
Chloride  Sample ID: SP 5 @ 3' (H2C Chloride, SM4500CI-B  Analyte	16.0 (2671-21) mg	16.0 /kg	11/06/2012 Analyze	ND d By: HM	416	104	400	3.92	
Chloride Sample ID: SP 5 @ 3' (H20 Chloride, SM4500Cl-B	16.0 02671-21) mg Result 16.0	16.0 /kg Reporting Limit	11/06/2012  Analyze  Analyzed	ND  d By: HM  Method Blank	416 BS	104 % Recovery	400 True Value QC	3.92 RPD	
Chloride  Sample ID: SP 5 @ 3' (H20 Chloride, SM4500CI-B  Analyte  Chloride	16.0 02671-21) mg Result 16.0	16.0 /kg Reporting Limit	Analyzed Analyzed 11/06/2012	ND  d By: HM  Method Blank	416 BS	104 % Recovery	400 True Value QC	3.92 RPD	
Chloride  Sample ID: SP 5 @ 3' (H20 Chloride, SM4500Cl-B  Analyte  Chloride  Sample ID: SP 5 @ 7' (H20 Chloride)	16.0 02671-21) mg Result 16.0	16.0 /kg Reporting Limit 16.0	Analyzed Analyzed 11/06/2012	ND  d By: HM  Method Blank  ND	416 BS	104 % Recovery	400 True Value QC	3.92 RPD	

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Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

11/01/2012

Sampling Date:

10/26/2012

Reported:

11/07/2012

Sampling Type:

Soil

Project Name:

LOST TANK 35-4

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

## Sample ID: SP 5 @ 10' (H202671-23)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00	
Sample ID: SP 6 @ SURI	•	•							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM		<u>.</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00	
Sample ID: SP 6 @ 3' (H	202671-25)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00	
Sample ID: SP 6 @ 7' (H	202671-26)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00	
Sample ID: SP 6 @ 10' (	H202671-27)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00	
	12010	10.0	11,00,2012	W	100	100	100	0.00	

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Celey D. Keene



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

Received:

11/01/2012

Reported:

11/07/2012 LOST TANK 35-4

Project Name: Project Number:

NONE GIVEN

Project Location:

Analyte

Analyte

EDDY COUNTY, NM

Sampling Date:

ate: 10/26/2012

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 7 @ SURFACE (H202671-28)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

(505) 397-0397

Result

16.0 11/06/2012

Analyzed

Analyzed

Reporting Limit

Reporting Limit

Method Blank ND BS 400 % Recovery

True Value QC 400

RPD

0.00

RPD

0.00

Qualifier

Sample ID: SP 7 @ 3' (H202671-29)

Chloride, SM4500Ci-B

mg/kg

Analyzed By: HM

Method Blank

BS

% Recovery True

True Value QC

Qualifier

Qualifier

Chloride

Chloride

<16.0

Result

16.0 11/06/2012

ND

400

100

400

Qua.

Sample ID: SP 7 @ 5' (H202671-30)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD
Chloride	<16.0	16.0	11/06/2012	ND	400	100	400	0.00

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 16 of 20



## **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.
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. Keine

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	(505) 393-2326 FAX (505) 393-247	6	: '	i,		111				· · .		<u> </u>	1.5		.:	: `.					
Company Name	BBC International, Inc.	٠.		4 - 5	. :.:	12.13 40.0	BILL TO						Α	ANALYSIS REQUEST							
Project Manage	r: Cliff Brunson					Ρ.	O. #:	14 10 11													
Address: P.O.	Box 805					Co	mpany:		17			1	.	١				1	ľ		
city: Hobbs	State: NM	Zip	: 88	3241		At	tn:						l	.						l	
Phone #: 575-397-6388 Fax #: 575-397-0397					Ac	ldress:							1					1	Ì		
Project #: Project Owner: ÖXY					Ci	ty:	·														
Project Name:	Lost Tank 35-4					St	ate:	Zip:											l	1	
Project Location	n: Eddy County, NM					PH	one #:							l	l					l	
Sampler Name:	Jeff Ornelas					Fa	x#:	· · · · · · · · · · · · · · · · · · ·					ŀ	İ	l	:			l	l	
FÖR LAB USE ONLY		T		M	ATRIX	<del></del>	PRESERV.	SAMPLIN	IG					1							•
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	#:CONTAINERS	GROUNDWATER		SLUDGE OTHER	ACID/BASE: ICE / COOL OTHER:	DATE	TIME	ر ارا	莊	BTEX		a voca		,					
	SP1 @ SURFACE	6	ľ	,			1	10/25/12	8:33 AM	1	1	1									
7.	SP1:@:1'	G	1	•			1	10/25/12	8:40 AM	✓	1	✓									
- 3	SP2 @ SURFACE	G			/			10/25/12	9:00 AM	1	1	1									:
4	SP2 @ 1'	G	1					10/25/12		1	1	1							,		
رُقُ	SP2 @ 3'	G	1				1	10/25/12		1	1	✓									
6	SP2 @ 7'	G	1				1	10/25/12	10:59 AM	1	<u> </u>	<u> </u>	<u> </u>								
Garg L	SP2 @ 10'	G	Ш		1	<u>.</u>	1	10/25/12				<u> </u>									
3	SP3 @ SURFACE	6	Ш			<u> </u>	1	10/25/12	11:59 AM	1	1	1									
The state of the s	SP3 @ 1'	16	II.					10/25/12	or comments in the	<b>V</b>	1	1									
	SP3 @ 3'	<u> 16</u>	11				<b> </b>	10/25/12		<b>✓</b>	1	1									

PLEASE NOTE: Liability and Damages. Cardinal or biblity and client s exclusive remedy for any claim arising whether based in contract or tort, shall be bristed to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be general 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 consequental damages, including without imitation, sustness interruptions; loss of use, or loss of profits incurred by client, its subsidiaries,

affiliates or successors adding out of or related to the performance of								
Relinquished By:	Date:	Received By:		Phone Result:	⊔ Yes	LI No.	Add'l Phone #:	
Tren 1	10/21/12	The state of the s	production of the second	Fax Result:	☐ Yes	· 🗆 No:	Add'i Fax #:	
Vest UMa	Time: SOOM	The state of the s	Service of the servic	REMARKS:				
Relinquished By:	Date:	Received By:						
U Comment	TITE: 25	Jodi M	MAON.					
Delivered By: (Circle One)		/ Sample Condition	CHECKED BY:					
Sampler - UPS - Bus - Other:		Cool Intact  Yes Yes  No No No	(Inftials)					

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

Company Name: BBC International, Inc.						BIL	44 70	<u> 1000 - 20</u>	1 .				ANAL	<u>YSIS</u>	RE	QUES	ST	: :	1.1.	
Project Manager	: Cliff Brunson				P.C	). #;	11.					- 1								
Address: P.O.	Box 805				Col	mpany:	40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i tiva											.	
city: Hobbs		State: NM z	ip:	88241	Att	ttn:														
Phone #: 575-3	397-6388 <b>F</b>	ax #: 575-3	97-0	397	Ad	dress:														
Project #:		Project Owner:	Оху		Cit	City:													, i	
Project Name: Lost Tank 35-4						ite:	Zip:													·
Project Location	Project Location: Eddy County, NM							<u> </u>		:	1		ŀ							
Sampler Name:	Jeff Ornelas				Fax #:			<u> </u>												
Lab I.D.	Sample I.D		47(G)RAB OR (C)OMP # CONTAINERS		OTHER!	ACID/BASE: BACID/BASE: BACID/B	DATE	TIME	70	TPIF	8TEX									
301							10/25/12	·	1	·									<u> </u>	
12	SP3 @ 12'		6 1				10/25/12 10/25/12		1				ļ				, , , ,		<b> </b>	<del> </del>
	SP3 @ 18' SP4 @ SURFACE		G			V.	10/25/12		7	7	7								<u> </u>	-
19	SP4 @ 1'		61			7	10/25/12		1	/	.V.								$\vdash$	
17	SP4 @ 3'		GI		+-		10/25/12		1	1	V		ļ	ļ		<u> </u>				<b> </b>
147	SP4 @ 7'		Ğ				10/25/12		1	<del>- '-</del>				<u> </u>		ļ				
150	SP4 @ 12'		ξj		1,		10/25/12	3:41 PM.	1											
J.C.	SP4 @ 17		GI			1	10/25/12	3:59 PM	1			-								
20	SP5 @ SURFACE		61				10/26/12	8:19 AM	1			·	į.							
analyses. All claims includi service. In no event shall C	nd Demages, Cardinai's liability and client ing those for negligence and any other cau ardinal op liable for incidental or conseque and but of or related to the performance of	se whatsoever shall be de antal damages; including a	sw bains ti juonti	eved unless made in writing: histion, out hass interruptor	and rece s, loss o	lived by Cardinal v of use, or loss of p	vithin 30 days after refits incurred by	er completion af t client, its subridi	the applica aries,	o'e		•								
Relinquished B	Unic	10/2642		eived By:				Phone Re Fax Resu REMARK	lt:	□ Ye		No No		Phone Fax #:	#:					
	: (Circle One) - Bus - Other:	Date:	Rece	Sample Conc Cool Intact	es		(EDBY:													

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BI	LL 70	MT			AN	LYSIS	S RE	QÚES	ST.	٠.	-,				
	Cliff Brunson		- 1	P.O. #:											•	
Address: P.O.				Company:												
City: Hobbs	State: NM	Zip: 8	38241	Attn:							N.					
Phone #:: 575-397-6388 Fax #: 575-397-0397										1						1
Project #:	Project Owne	r: Oxy		City:		·								.		
Project Name:	ost Tank 35-4	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		State:	Zip:										1	
	n: Eddy County, NM			Phone #:							- 1					
Sampler Name:	Jeff Ornelas			Fax #:					- 1						-	
FOR LAB USE ONLY			MATRIX	PRESERV	SAMPLING					l.					1	
Lab I.D.	Sample I.D.	(G)RAB ÓR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER: ACID/BASE: ICE / COOL OTHER:			<u>.</u>									
AZZZ2611	:	(G)RAB # CONT	GROU WASTI SOIL OIL SLUDG	OTHER ACID/BA ICE / CC	DATE TIN	E	<b> </b>									
2.1	SP5 @ 3	61		1	10/26/12 9:00 /	M. V				1.7						
	\$P5 @ 7'	61		<b>✓</b>	10/26/12 9:30	M ✓								Ċ		
		61	<i>\sqrt{\sq}}}}}}}}}}} \signtimes\sqnt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \signtimes\sqnt{\sqrt{\sq}}}}}}}}}}} \signtimes\sintitex\sintitex{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}} \signtimes\sintitex\sintiting{\sq}}}}}}} \endittimes\sintitex{\sintinity}}}}}}} \endittimes\sintitin}}}} \endittime</i>		10/26/12 10:30											
	SP6 @ SURFACE	G 1			10/26/12 11:00		<u> </u>	<u> </u>								
	SP6 @ 3'	61			10/26/12 11:19			<u> </u>	-:-		ļ					
	SP6 @ 7'	91			10/26/12 11:59			<u> </u>			ļ					
71	SP6 @ 10' SP7 @ SURFACE	61		1 5	10/26/12 1:47 1			<u> </u>			-					
		GI			10/26/12 2:00 I			<del>-</del>								
22	SP7 @ 3' SP7 @ 5'			+ $+$ $+$ $+$	10/26/12 2:38 f			1 1		-			~-	٠,	· -, ·	
PLEASE NOTE: Liapility a	nd Damages, Cardinal's lightility and client's exclusive remedy fo	ăuh claiù sụ:	sing whether based in contra	ct or tort, shall be limited										L		
service. In no event shall 0	analyses. All claims: including those for negligence and any other cause whatsoever shall be decrined waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event inhall Curdinal to literate the incidental or consequential decrinages, including without installation, business interruptions, loss of use, or loss of profits incurred by client, its subsolation.  If the profit is a subsolation of the performance of services heregrowed heregrowed heregrowed in a subsolation.															
Relinquished B	y: Date:		ived By:	is vasee cron any or (	Phon	e Result: esult:	□ Y			i'l Phone					·	

REMARKS:

Delivered By: (Circle One)

Received By:

CHECKED BY: (Initials)

Sample Condition
Cool Intact
Yes Yes
No No Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

# Release Notification and Corrective Action

					Ol	PERAT	OR	_1	🔀 Initia	al Report	F:	inal Report			
Name of Co	mpany	Oxy Permiai	Ltd.		Con	Contact Chancey Summers									
Address 1	017 W. S	tanolind Rd,	Hobbs, N	VM 88240	Tele	ephone N	lo. (575) 397	-8216							
Facility Nan	ne Lost	Tank 35 Sta	e 4 CTB		Faci	Facility Type Battery									
Surface Own	ner Oxy	,		Mineral Owr	ner			lo. V-3604							
_ ouridoo o w					·										
	, , <u>, , , , , , , , , , , , , , , , , </u>			LOCAT											
Unit Letter	Section	Township	Range	Feet from the N	orth/Sout	th/South Line   Feet from the   East/W				West Line   County					
	35	218	31E							Eddy Coun	ty, NM				
			1	Latitude N 32.429	38	Longitu	de W 103 7754	10							
Latitude N 32.42938 Longitude W 103.77549  NATURE OF RELEASE															
Type of Relea	011 0	Destroad wa		INALU		Volume of Release 5 bbls oil & Volume Recovered 0 bbls									
Type of Refer	ase Ou &	Produced wa	ter				Release 5 bots duced water	011 &	voiume k	tecovered	U ODIS				
Source of Re		nsfer line leak		_	5/	/30/12	our of Occurrenc	е	Date and	Hour of Disc	covery				
Was Immedia	ate Notice C	·	T	l Nia III Nia Danii		YES, To				_					
		. <b>.</b>	Yes _	No Not Requi	irea ivi	like Brate	her- OCD								
By Whom?	Chancey					ate and H									
Was a Watero	course Reac		Yes 🛛	l No	If	YES, Vo	lume Impacting t	he Water	course.						
IG - 11/54	in the Trans														
A transfer lin	If a Watercourse was Impacted, Describe Fully.*  Describe Cause of Problem and Remedial Action Taken.*  A transfer line leak caused 5 bbls of oil and 20 bbls of produced water to spill onto the ground. No fluids were recovered. Remediation will be performed according to an OCD approved remediation plan.														
Describe Area	a Δffected s	and Cleanum A	ction Tak	èn *											
				A transfer line leak ca	used 5 bl	bls of oil	and 20 bbls of pro	oduced w	ater to spi	ill onto the g	round. N	lo fluids			
were recovere	d. Remedi	ation will be p	erformed	according to an OCI	O approve	ed remedi	ation plan.		r	_					
regulations al public health should their o or the environ	l operators or the envir perations h iment. In a	are required to conment. The ave failed to a	report an acceptance dequately CD accept	is true and complete id/or file certain relea e of a C-141 report b investigate and remo tance of a C-141 repo	ise notific by the NM ediate con	cations an AOCD ma ntaminatio	d perform correct rked as "Final Re on that pose a thre	tive action eport" do eat to gro	ns for rele es not reli und water	eases which in every the operations, surface was	nay enda ator of lia er, huma	nger bility n health			
	::	1.		<u> </u>			OIL CONS	SERVA	NOITA	DIVISIO	N				
Signature:			$\Rightarrow$												
Printed Name	: Chance	y Summers			Appr	roved by I	District Superviso	or:							
Title: HES	Specialist				Appr	Approval Date:				Expiration Date:					
E-mail Addre	ss: Chan	cey_Summers	@oxy.cor	n	Conc	Conditions of Approval:				Attached					
	- 27-1		Phone:	(575) 397-8216					_						
Attach Addit	ional Char	te If Nacacco	#1/												