Closure Report

a the second s	Site Description
Site Name:	Lost Tank 33 Federal #2
Company:	Oxy Permian Ltd.
Legal Description:	U/L M, Section 33, T21S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.42852° W 103.78965°

	Release Data
Date of Release:	07/12/2013
Type of Release:	Produced Water
Source of Release:	Fracture on Y strainer
Volume of Release:	2500 bbls
Volume Recovered:	20 bbls

	Remediatic	n Specifications						
Remediation	Excavate the le	ak area south of the pit area & represented by						
Parameters:	sample points SP1-SP5 to a depth of 1'-2' as practicable.							
	Backfill the area	a with clean soil. In the former pit area (the area						
		sample points SP6 & SP7), excavate 2 feet,						
	then backfill the	area with 1' caliche & 2' top soil.						
Remediation Activities:	10/16/2013 to 1	0/31/2013						
Plan Sent to OCD:	09/20/2013	Email from Cliff Brunson to Mike Bratcher						
OCD Approval of Plan:								

OCD Approval of Plan:	10/03/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	09/20/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	09/21/2013	Email from J. Van Curen to Cliff Brunson

	Supporting Documentation	
Initial C-141	Signed 08/06/2013	_
Final C-141	Signed 11/05/2013	RECEIVED
Site Diagram	July 2013	
Groundwater Plot	175'	NOV 0 8 2013
TOPO Maps	July 2013	
Lab Summary	07/30/2013-07/31/2013	NMOCD ARTESIA
Lab Analysis	07/30/2013-07/31/2013	
Correspondence	Request and approval of remediation	plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

11/06/2013

Form C-141 Revised August 8, 2011

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Fran	icis Dr., Sant	a Fe, NM 8750	5	S		e, NM 875					
			Rel	ease Notifi				ction	р		
						OPERA			al Report		Final Repo
Name of Co	mpany	Oxy Permia	n Ltd.				Chancey Summe	N			<u></u>
		tanolind Rd,		NM 88240			No. (575) 397				
Facility Nat	me Lost	Tank 33 Fe	deral #2			Facility Typ	be Well locati	оп			
Surface Ow	mer BL	М		Mineral (Owner			API No	. 30-015	5-29330	<u> </u>
<u>Sullay</u>											
TT	Curt	T. 11	<u> </u>			N OF RE		<u> </u>			
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County		
М	33	215	31E	330		South	510	West	Eddy		
				Latitude <u>N 32.4</u>	42852°	Longitu	de <u>W 103.7896</u>	5°			
						-					
Type of Rele	Drad	uced Water		NAI	UKE	OF REL Volume of		bls Volume F		20 bbl	
		cture on Y str	ainer	· <u></u>	·		Iour of Occurrence		Hour of Dis		<u>s</u>
						07/12/2013	3	07/12/201			
Was Immedi	ate Notice (У. Г		11	If YES, To				DIN	
] No 🗌 Not R	equirea			nnifer Van Curen, .	James Amos	S- BLIVI	
<u>By Wh</u> om? Was a Water	Chancey S	Summers				Date and Hour 07/15/2013 @ 9:05 am If YES, Volume Impacting the Watercourse.					
Was a Water	course read		Yes 🛛	No		11 125, 14	nume impacting t	ne watercourse.			
A fracture on	a Y strainc		pipe from	the wellhead to		o caused 250) bbls of produced	l water to leak onto	the ground	. 20 bb	ls of water
				ner was repaired.			,		Ũ		
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*							
The affected BLM.	area is appr	oximately 200)' x 175'.	Remediation will	be com	pleted in acco	ordance with a rer	nediation plan appr	roved by NM	locd (and the
regulations al public health should their c	l operators or the envir perations h unent. In a	are required to onment. The ave failed to a ddition. NMO	o report an acceptanc dequately CD accep	d/or file certain r e of a C-141 repo investigate and r	elease no ort by the emediate	otifications and NMOCD m	nd perform correct arked as "Final Re on that pose a three	nderstand that purs tive actions for rele eport" does not reli eat to ground water esponsibility for co	ases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health
							OIL CONS	SERVATION	DIVISIC	<u>N</u>	
Signature:				\sim							
Printed Name	: Chance	y Summers			/	Approved by	Environmental Sp	pecialist:	·.		
litle: HES	Specialist					Approval Dat	e:	Expiration I	Date:		
E-mail Addre		vey.Summers(Conditions of	Approval:		Attached		
Date: 🎽	- 6- 1	5	Phone:	(575) 397-821	6						

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

	OPERATOR	Initial Report	\boxtimes	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	215	31E	330	South	510	West	Eddy

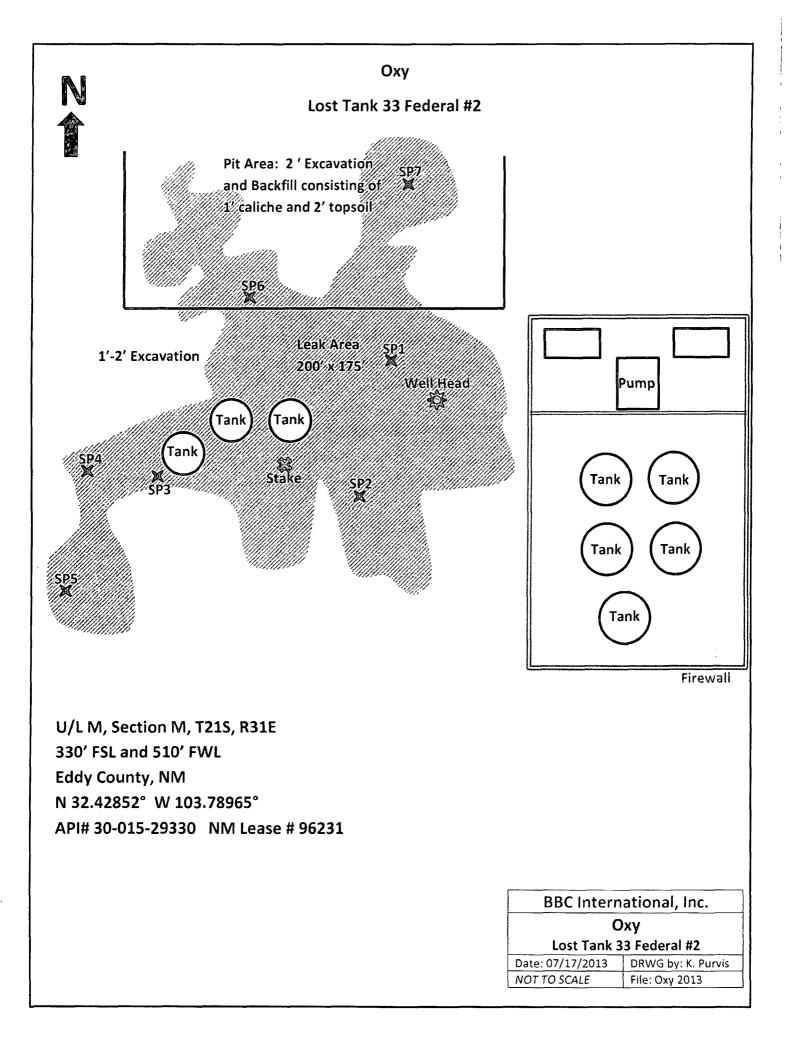
Latitude <u>N 32.42852°</u> Longitude <u>W 103.78965°</u>

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?	If YES, To Whom?						
Yes 🗌 No 🗍 Not Required	Mike Bratcher-NMOCD; Jennifer	Van Curen, James Amos- BLM					
By Whom? Chancey Summers	Date and Hour 07/15/2013 @ 9						
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.					
Yes 🛛 No							
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 pun	an acused 2500 bbig of anodyced water	to look onto the around 20 bble of water					
were recovered via vacuum truck and the Y strainer was repaired.	ip caused 2500 bois of produced water	r to leak onto the ground. 20 obis of water					
were recovered via vacuant dack and the r subarel was repaired.							
Describe Area Affected and Cleanup Action Taken.*							
The affected area is approximately 200' x 175'. Remediation was complete	eted in accordance with the remediation	on plan approved by Mike Bratcher of					
NMOCD via email on 10/03/2013 and approved by Jennifer Van Curen of	of the BLM via email on $09/21/2013$.						
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	ind that pursuant to NMOCD rules and					
regulations all operators are required to report and/or file certain release n							
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report"	does not relieve the operator of liability					
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	round water, surface water, human health					
or the environment. In addition, NMOCD acceptance of a C-141 report d	loes not relieve the operator of respons	ibility for compliance with any other					
federal, state, or local laws and/or regulations.							
$\langle $	OIL CONSERV	ATION DIVISION -					
Signature:							
	Approved by Environmental Specialis	t.					
Printed Name: Chancey Summers		L,					
Title: HES Specialist	Approval Date	Environtian Datas					
	Approval Date:	Expiration Date:					
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:						
3 /	· · · · · · · · · · · · · · · · · · ·	Attached					

Date: 11/5/13 Phone: (575) 397-8216 * Attach Additional Sheets If Necessary

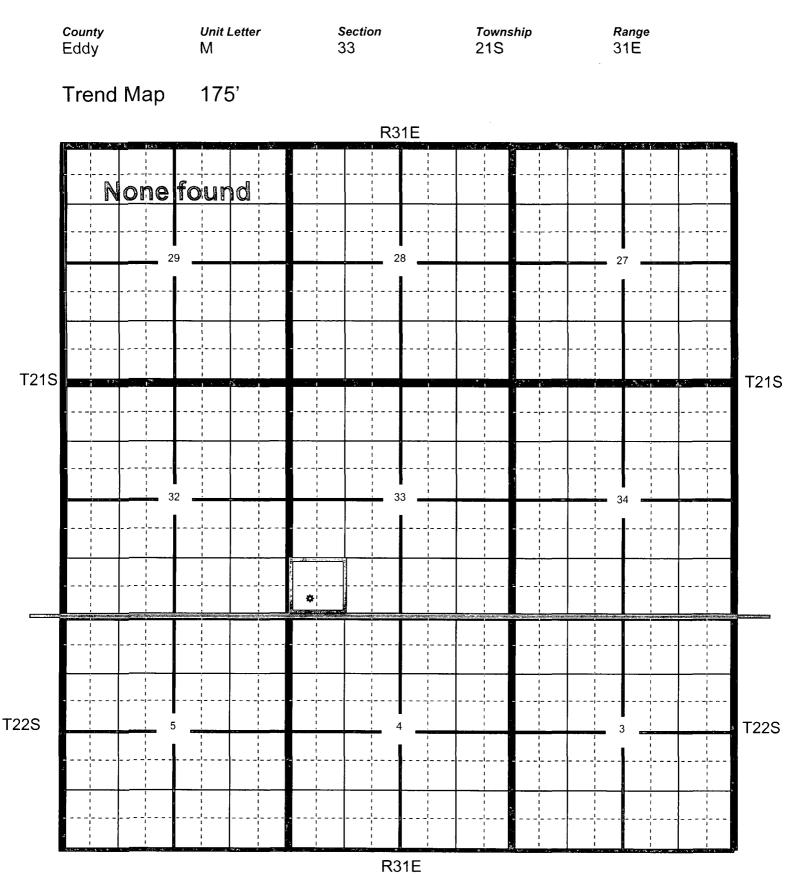
مستعدية والمتحمدية والمتعسي





Groundwater Plot

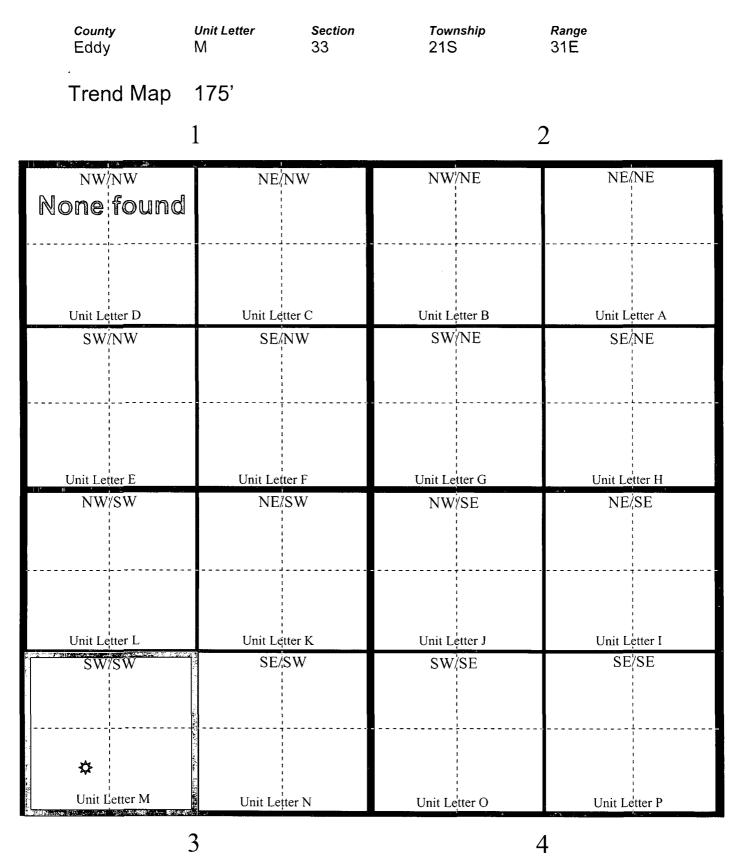
Oxy Lost Tank 33 Federal #2





Section Quarters

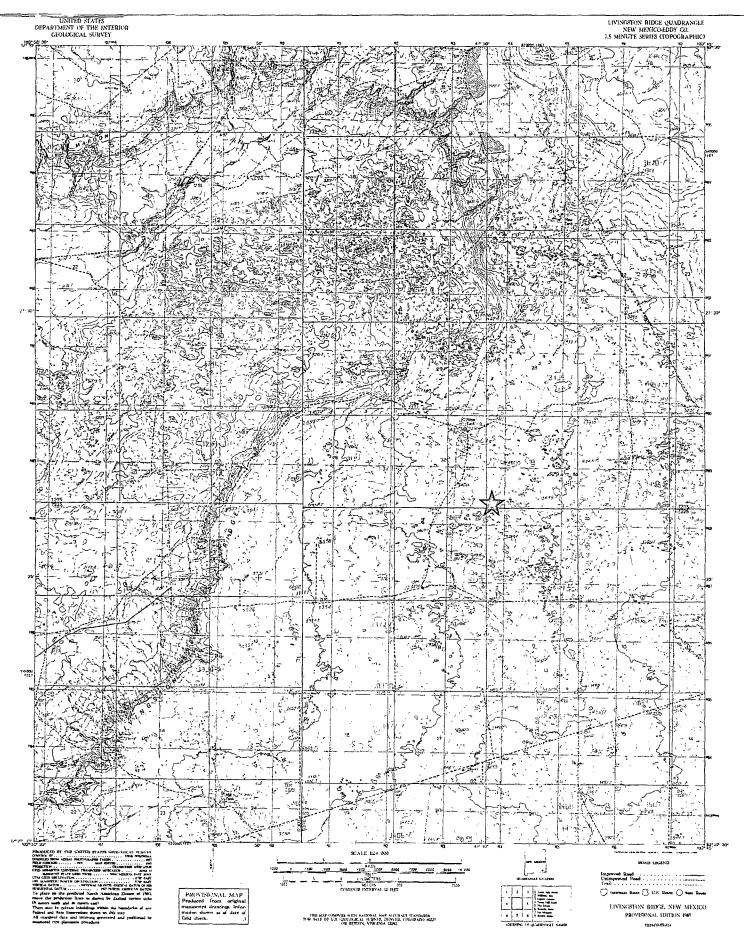
Oxy Lost Tank 33 Federal #2



Location

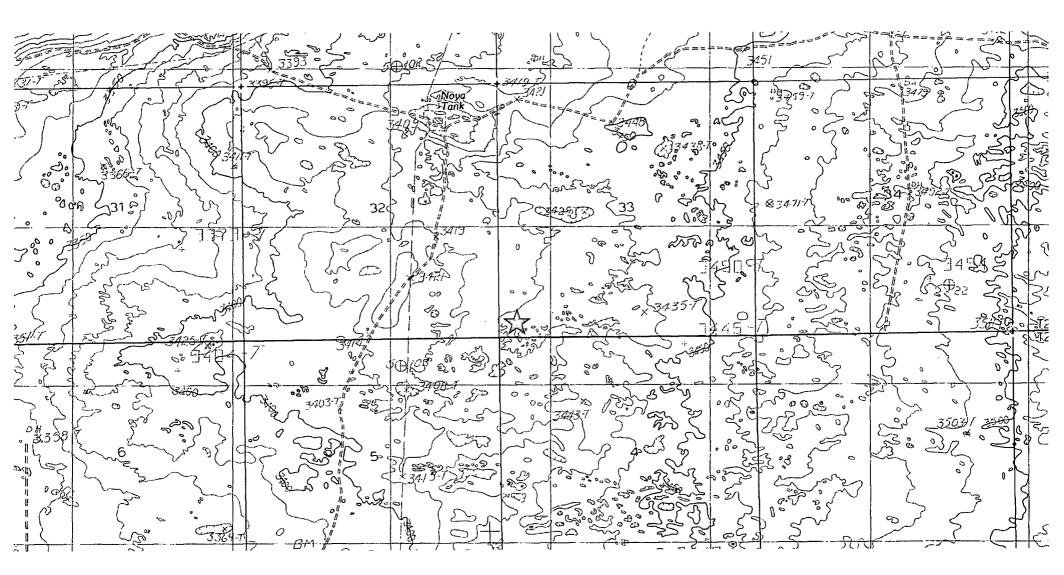
Oxy

Lost Tank 33 Federal #2



Oxy

Lost Tank 33 Federal #2



Laboratory Analytical Results Summary Lost Tank 33 Federal #2

	Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 4'	SP1 @ 7'	SP1 @ 10'	SP1 @ 13'			Sample	SP4 @ 1'	SP4 @ 3'	SP4@4'	SP4 @ 7'	SP4 @ 10'
Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	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	mg/Kg				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	Benzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
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
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
BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a	Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a	n/a	Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
SM4500CI-B		1120	704	560	64	<16.0	<16.0	Chloride	SM4500CI-B		2800	112	560	64	<16.0
TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
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
· · · · · ·		•				•	4 <u></u> .		.	•			•		·
	Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 7'	SP2 @ 10'	SP2 @ 13'			Sample	SP5 @ 1'	SP5 @ 3'	SP5@4'	SP5 @ 7'	SP5 @ 10'
Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	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	mg/Kg				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	Benzene	BTEX 8021B		< 0.050	n/a	n/a	n/a	n/a
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
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
BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a	Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
BTEX 8021B		< 0.300	n/a	n/a	n/a	n/a	n/a	Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
SM4500CI-B		2680	112	592	656	496	<16.0	Chloride	SM4500CI-B		2600	704	592	64	<16.0
TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
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
	•											-			
	Sample	SP3@1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 7'	SP3@10'	SP3 @ 13'	Old Pit Area Sample		Sample	SP6 @ 2'				
Method	Date	7/31/13	7/31/13	7/31/13											
	BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B	Method Date BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M TPH 8015M Sample Method Date BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B TPH 8015M TPH 8015M TPH 8015M Sample	Method Date 7/30/13 mg/Kg mg/Kg BTEX 8021B <0.050	Method Date 7/30/13 7/30/13 mg/Kg mg/Kg mg/Kg BTEX 8021B <0.050	Method Date 7/30/13 7/30/13 7/30/13 mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg BTEX 8021B <0.050	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 7/30/13 7/	Method Date 770013 770113 770013 770013 770013 <td>Method Date Tradits Tr</td> <td>Method Date 7/2013</td>	Method Date Tradits Tr	Method Date 7/2013

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	SM4500CI-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

•

,	Sample	SP6 @ 2'
Method	Date	7/31/13
		mg/Kg
SM4500CI-B		16600
		Method Date

Old Pit Area Sample		Sample	SP7 @ 2'
Analyte	Method	Date	7/31/13
			mg/Kg
Chloride	SM4500CI-B		20400



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/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	101 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anatyzed	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	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	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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, SM4500CI-B mg/kg		Analyze							
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 Analyte Result Reporting L	/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		Analyze	d 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, SM4500CI-B	mg/kg		Analyze	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)

Chłoride, SM4500Cl-B mg/kg		Analyze	d 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	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by claims, including those for negligence and including, within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the samples wort shall note performance in full with mitten approval of Cardinal Laboratores.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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 2 @ 1' (H301841-07)

BTEX 8260B	mg/	kg	Analyze	d 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. I	% 61.3-14	2						
Surrogate: Toluene-d8	100 \$	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 \$	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	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	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	127 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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 2 @ 3' (H301841-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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, SM4500Cl-B	Analyze	d 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	Analyze	d 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	Analyze	d 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, SM4500Cl-B	mg,	/kg	Analyze	d 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



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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 3 @ 1' (H301841-13)

BTEX 8260B	mg,	/kg	Analyze	d By: MS			<u> </u>		
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	% 61.3-14	2						
Surrogate: Toluene-d8	99.5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	130	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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 @ 3' (H301841-20)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP			i		
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	Analyze	d 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, SM4500CI-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, SM4500CI-B	mg,	/kg	Analyze	d 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	

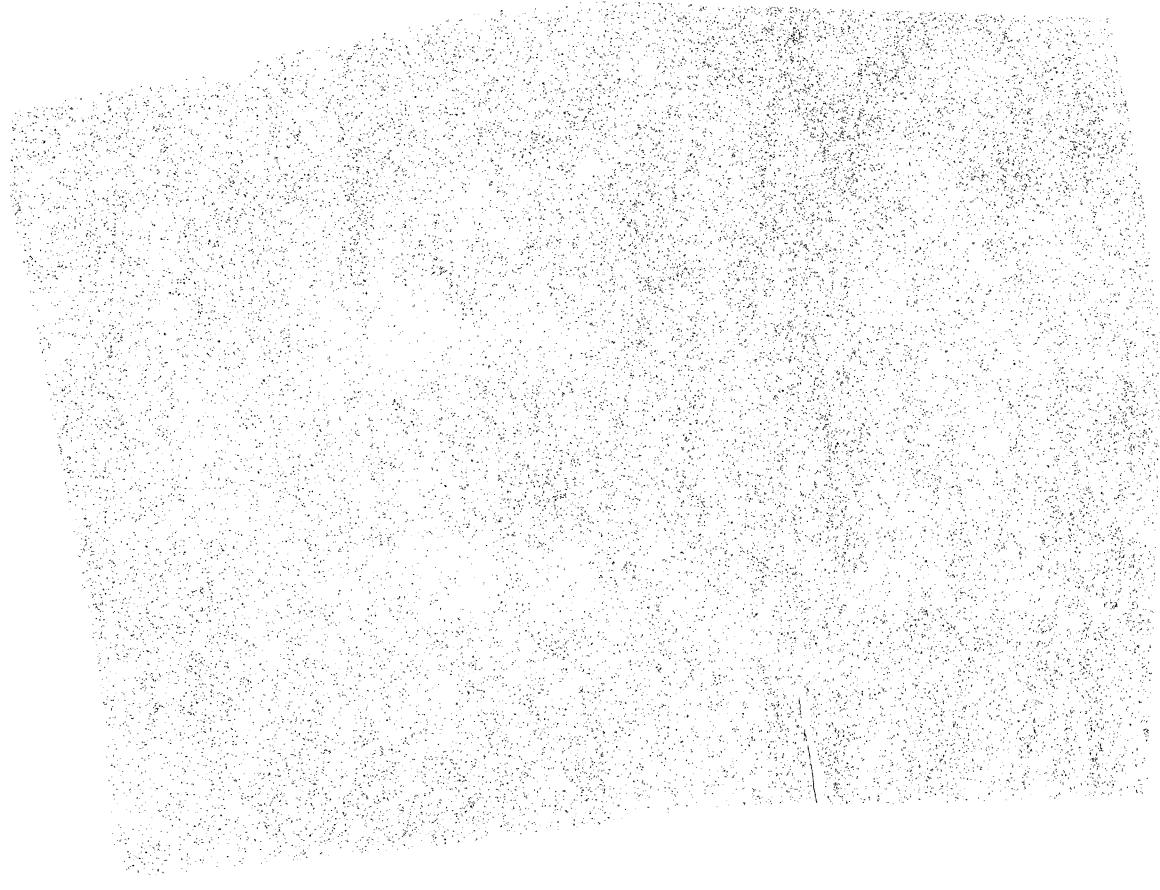
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Celey D. Keene, Lab Director/Quality Manager





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 @ 1' (H301841-24)

BTEX 8260B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% 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	96.2	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500Cl-B	mg	kg	Analyze	d 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	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	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	133 5	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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, SM4500CI-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	Analyze	d 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, SM4500CI-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



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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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 SM4500CI-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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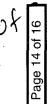
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Yes O No

□ Yes □ No

Add'l Phone #:

Add'l Fax #:



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

Company Name	(303) 035-2320 1 AX (000) 030-241	<u> </u>		-			2B	网络汉	999-96	17-46/91									0 D-		<u></u>			
	BBC International, Inc.									-11	見聞はやよ		6					LYSI	<u>s re</u>		<u>ST</u>			
	r: Cliff Brunson				•		F	P.O.	#:						· ·		1.1	· .		· .		.		۰.
Address: P.O	. Box 805						c	om	pany	y:					1								·	· · .
city: Hobbs	State: NM	Zip); [882	41		A	ttn:					ſ	[[l.		ĺ		[.	[
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397	7		A	ddr	ess:	:								· .						1
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Date Phone Result: Relinguished By: **Received By** Fax Result: REMARKS: Time 18 Relinguistied By Received By: Delivered By: (Circle One) Sample Condition CHEC Cool /Intact Pres Pres Sampler - UPS - Bus - Other: No II No

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

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

age 15 of

101 East Marland, Hobbs, NM 88240

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

Company Name	BBC International, Inc.						AN ANALAS		E.	ALE CO		-79-600				ANA	LYSI	S RE	QUE	ST		
Project Manage	r: Cliff Brunson						Ρ.	0. #:	:			·				ŀ						
Address: P.O.	Box 805						c	ompa	any:	·			·									
city: Hobbs	State: NM	Zip	: 8	8241				tn:														
Phone #: 575-	397-6388 Fax #: 575	-397	7-0	397_	_		A	ddre	SS:													
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	SP3 @ 3'	6	1	.*						7/31/13	9:39 AM	Í.	<u> </u>					·				
	SP3 @ 4'	6	1		1					7/31/13	9:53 AM	1	1							1		
16	SP3 @ 7'	6	1						\checkmark	7/31/13	10:41 AM	1					·					
	SP3 @ 10'	6	١.		1				\checkmark	7/31/13	11:26 AM	1								1		
13	SP3 @ 13'	6	1		1				\checkmark	7/31/13	12:09 PM	1										
	SP4 @ 1'	6	1						1	7/31/13	12:31 PM	<u> </u>	1	\checkmark								
20	SP4 @ 3'	6	Ľ		1		·			7/31/13	12:55 PM	1										

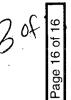
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	or services hereunder by Cardinal, regardless of whether such calm is desed upper any or the above stated	easons of otherwise.					
Relinquished By:	Date: Received By	Phone Result:	□ Yes	🗆 No	Add'l Phone #:		
	+13113 V//	Fax Result:	🗆 Yes	O No	Add'l Fax #:		
Lixter	Ting: G-Olan Mac	REMARKS:					
Relinquished By:	Date 1/2 Received By:						,
MG	THE SEON GOOD HENSON		•				
Delivered By: (Circle One)	Sample Condition CHECKED BY:	-					
Sampler - UPS - Bus - Other:	5.2 Ves Pyes						

. † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2446

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name	BBC International, Inc.		·				20000	uuritu:	i ung	Ш							ANA	LYSI	S RE	QUE	ST			
Project Manage	r: Cliff Brunson		÷				/	P.O . :	#:					· .						·				· · ·
Address: P.O	Box 805							Com	pany	/:		• ; •	•			2	•		·					
city: Hobbs	State: NM	Zip	: 8	82	41			Attn:			•			11										
Phone #: 575-	397-6388 Fax #: 575	397	7-0:	397	7		/	Addr	ess:															
Project #:	Project Owner	0	ку					City:		•	· · ·					* .	· ·							
	_ost Tank 33 Federal #2							State			Zip:		. .										1 ·	
	n: Eddy County, NM							Phor			•		· ·	1										
	Roger Hernandez		•					Fax #								. •			•					
FOR LAB USE ONLY			[MA	ATRD			RES	ERV.	SAMPL	NG	1	·				1						
· .		C)OMP.		æ	.								l											
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Lab I.D.	Sample I.D.	Ъ.	TAI	Ŋ	E N		ш	R: B	ĮŌ	i	•		12	à-	$ \otimes $		N.							
H		(G)RA	# CONT	GROU	WASTEWATER	GF 2	SLUD(OTHE	DATE	TIME	N.	F	Q									
21	SP4 @ 4'	6	Î		V	1				1	7/31/13	1:08 PM	1					İ.						
22	SP4 @ 7'	6	١						1	1	7/31/13	1:34 PM	1					1						
	SP4 @ 10'	6	1			1			1	·	7/31/13	2:04 PM	1											· .
Ž4	SP5 @ 1'	6	1		1	1			V	1	7/31/13	2:13 PM	1	\checkmark	\checkmark									•
25		6	1	_	V	/			1	1	7/31/13	2:20 PM	1		•									
	SP5 @ 4'	G			 ✓ 	1			_	'	7/31/13	4 ···	1						<u> </u>					
27	SP5 @ 7'	6			· /	4			1			2:38 PM	✓.		<u> </u>	· ·	ļ							
	SP5 @ 10'	G			√	1		_	Į,			2:50 PM	√	L			<u> </u>	<u> </u>				<u> </u>		<u> </u>
29		Ģ	 			4			1		7/31/13	3:09 PM	√			<u> </u>			ļ				· .	_
30	SP7 @ 2'	G	Ś.		V						7/31/13	3:22 PM	✓										4	ł

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_affifiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of	f whether such claim is based upon any of the above stated reasons	ns or otherwise.				
Relinquished By/ Date: / Received	By:// Ph	hone Result: D	∃ Yes	□ No	Add'l Phone #:	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Fa	ax Result: D] Yes	No No	Add'l Fax #:	
KOTT TIME Dur		EMARKS:				
Relinquished By: Date: 74/2 Received	By:	· .				
Time: SED LIUCA	i senson					,
Delivered By: (Circle One)	Sample Condition CHECKED BY:					
	Cool Intact (Mitides)	· .				

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

#54

Kathy Purvis

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Thursday, October 03, 2013 1:16 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-Lost Tank 33 Federal #2-Remediation Plan

Reference: OXY USA * Lost Tank 33 Fed 2 * 30-015-29330 * M-33-21s-31e * Eddy County, New Mexico OCD Tracking number: 2RP-1797 * Date of release: 7/12/2013

Your proposal for remediation of the above referenced produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. BLM approval is also required on federal sites.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Cliff P. Brunson [mailto: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

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. Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

Kathy Purvis

From:	Van Curen, Jennifer <jvancure@blm.gov></jvancure@blm.gov>
Sent:	Saturday, September 21, 2013 9:16 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Kathy Purvis; Jennifer Gilkey
Subject:	Re: OXY-Lost Tank 33 Federal #2-Remediation Plan

Cliff,

Your plan is approved. I would recommend packing caliche before adding topsoil. If you have any questions please let me know. Have a great weekend. Thanks.

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

On Fri, Sep 20, 2013 at 3:37 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

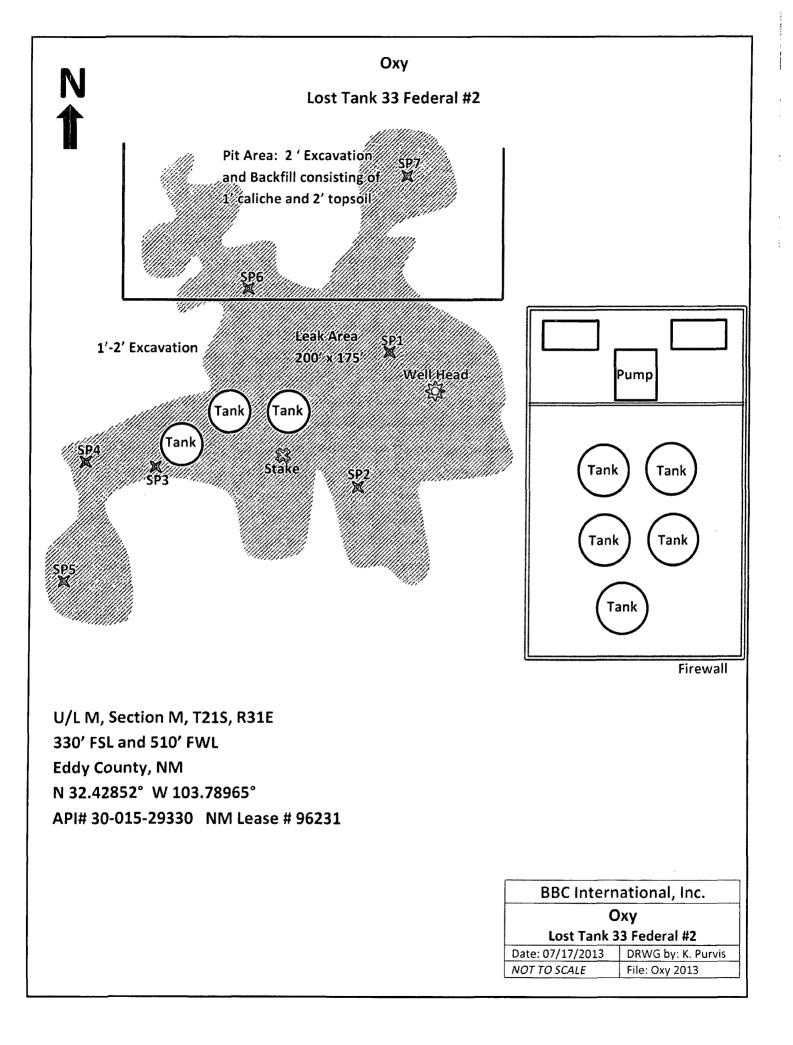
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy is proposing to excavate the leak area south of the 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. If you have any questions, please let us know.

Thanks, Cliff

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

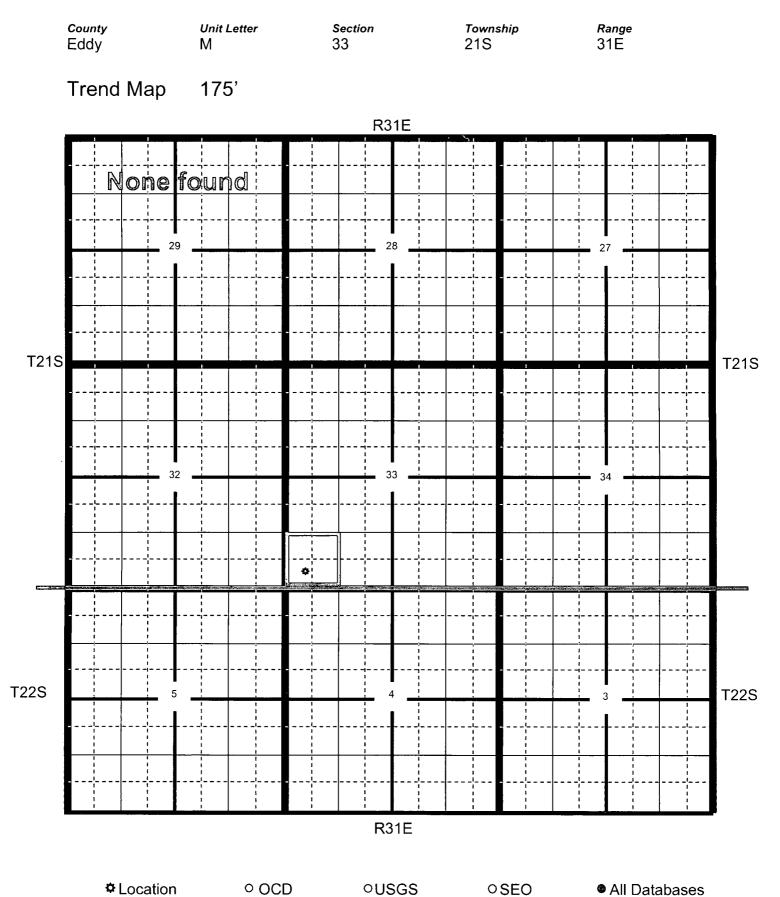
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Groundwater Plot

Oxy Lost Tank 33 Federal #2





Section Quarters

Oxy Lost Tank 33 Federal #2

<i>County</i> Eddy	<i>Unit Letter</i> M	Section 33	Township 21S	<i>Range</i> 31E
Trend Map	175'			
	1			2
^{NW/NW} None found	NE/N	IW	NW/NE	NE/NE
Unit Letter D	Unit Lette		Unit Letter B	Unit Letter A
SW/NW	SE/N	·w	SW/NE	SE/NE
Unit Letter E NW/SW	Unit Lette NE/S		Unit Letter G NW/SE	Unit Letter H NE/SE
Unit Letter L	Unit Lette		Unit Letter J	Unit Letter I
SW/SW	SE/S	W 	SW/SE	SE/SE
Unit Letter M	Unit Lețte	er N	Unit Letter O	Unit Letter P
	3			4

Location

O SEO

Laboratory Analytical Results Summary Lost Tank 33 Federal #2

	<u> </u>												1			· · · · · · · · · · · · · · · · · · ·
		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 4'	ŜP1 @ 7'	SP1 @ 10'	ŚP1 @ 13'			Sample	SP4 @ 1'	ŚP4 @ 3'	SP4 @ 4'	SP4 @ 7'	SP4 @ 10'
Analyte	Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	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	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	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	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	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	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	n/a	Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1120	704	560	64	<16.0	<16.0	Chloride	SM4500CI-B		2800	112	560	64	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	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	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'			Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 4'	SP5 @ 7'	SP5 @ 10'
Analyte	Method	Date	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	7/30/13	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	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	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	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	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	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	n/a	Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		2680	112	592	656	496	<16.0	Chloride	SM4500CI-B		2600	704	592	64	<16.0
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a	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	n/a	DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

SP6 @ 2' 7/31/13 mg/Kg 16600 SP7 @ 2' 7/31/13 mg/Kg 20400

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 7'	SP3 @ 10'	SP3 @ 13'	Old Pit Area Sam	ple	Sample	
Analyte	Method	Date	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13	7/31/13	Analyte	Method	Date	Γ
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg				Γ
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a	Chloride	SM4500CI-B		Γ
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	Old Pit Area Sam	ple	Sample	
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a	Analyte	Method	Date	
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a				
Chloride	SM4500CI-B		2880	112	592	528	<16.0	<16.0	Chloride	SM4500CI-B		Γ
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				



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/qa/lab accredited certif.html.

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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	101 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 \$	65.7-14	I						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	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	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 9	63.6-15	4						

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*=Accredited Analyte

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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		Analyze						
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	Analyze	d 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	kg Analyzed By:						
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	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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 2 @ 1' (H301841-07)

BTEX 8260B	mg/	'kg	Analyze	d By: MS	<u>-</u>				
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	% 61.3-14	2						
Surrogate: Toluene-d8	100 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 5	65.7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	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	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	127 9	63.6-15	4						

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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 2 @ 3' (H301841-08)

Chloride, SM4500Cl-B	mg	mg/kg Analyzed By: A		d 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, 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 2 @ 7' (H301841-10)

Chloride, SM4500CI-B	de, 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, SM4500Cl-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, 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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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 3 @ 1' (H301841-13)

BTEX 8260B	mg,	/kg	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	99.5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	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	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 9	% 65.2-14	0			·· _			
Surrogate: 1-Chlorooctadecane	130 \$	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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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 3 @ 3' (H301841-14)

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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-8	mg/	'kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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



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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	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	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	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	65.2-14	0						
Surrogate: 1-Chlorooctadecane	130	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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 @ 3' (H301841-20)

Chloride, SM4500Cl-B	mg	/kg	Anaiyze	d 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	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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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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 @ 1' (H301841-24)

BTEX 8260B	mg,	/kg	Analyze	d 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	96.2	% 61.3-14	2				-		
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			<u>. </u>	<u> </u>	
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	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	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 :	65.2-14	0						
Surrogate: 1-Chlorooctadecane	133	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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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	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Anatyzeo	l 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	Analyzee	d 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



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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	Analyze	d 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 SM4500CI-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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(303) 333-2320 TAX (303) 333-241	<u> </u>		_			5	ilett tile	Section of	10202022		Claimine deservation	i i			_			_					
	BBC International, Inc.								G(観し	a state						ANA	LYSI	S RE	QUE	ST	_		_
Project Manage	r: Cliff Brunson				•		· 1	P.O	. #:			•.					. ·				'			
Address: P.O	. Box 805							Con	npai	iy:				İ				· ·			· · ·			1 - L
city: Hobbs	State: NM	Zip	; {	382	41			Attr	1 :						1					•				
Phone #; 575-	397-6388 Fax #: 575	-397	7-0	397	7		_	Add	Ires	s:											1 · · · ·			
Project #;	Project Owner	; 0)	ху					City	<i>ı</i> :				· 1	}	1.	- w								Į
Project Name:	Lost Tank 33 Federal #2						·	Staf	te:		Zip:				·	•]		,					
	n: Eddy County, NM							Pho	one #	#:			1							1	i.			· ·
Sampler Name:								Fax	#:	• . •			1					l		 -		ĺ		1
FOR LAB USE ONLY					'N	ATRI	X		PRE	SERV	SAMPL	ING	1			Į					ļ	· ·		
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2	SP1 @ 3'	G	1							$\overline{\Lambda}$	7/30/13	9:47 AM	1											[
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4	SP1 @ 7'	G	1	· 						Λ	7/30/13	11:05 AM	\checkmark											
5	SP1 @ 10'	G	1					·	,		7/30/13	11:59 AM	1											
6	SP1 @ 13'	G	1	ŀ	-	/			,	1_	7/30/13	1:08 PM	1					·						
7	SP2 @ 1'	G	1			1			,	1	7/30/13	1:45 PM	√		1								ļ	
8	SP2 @ 3'	Ģ	1		Ļŀ	1				4	7/30/13	-	\checkmark	<u> </u>					<u> </u>	<u> </u>				<u> </u>
9	SP2 @ 4'	Ģ	1			<u>/</u> _				4	7/30/13	2:20 PM	√										<u> </u>	
<i>V</i>	SP2 @ 7'	G	11						v		7/30/13	2:47 PM	✓	· ·										

PLEASE NOTE: Liability and Damages. Cardinals 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 whatsower shall be demeted waived unless made in writing and received by Cardinal within 30 days alter completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damagas, including without limitation, business interruptions, loss of use, or toss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services interrupter by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise.

Phone Result: Yes
No Add'l Phone #: Relinguished By: Date Received By Fax Result: □ Yes □ No Add'l Fax #: **REMARKS:** Tim 25 Received By: Relinquisfied By Sample Condition Delivered By: (Circle One) CHECK Cool /intact Sampler - UPS - Bus - Other: Yes res No 🗍 Na

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

	(505) 595-2320 FAX (505) 595-247	U .																						
Company Name	BBC International, Inc.						411	s i pref	t e f	11	U BFO						ANAI	LYSIS	S RE	QUE	ST			
Project Manage	r: Cliff Brunson						P	.0. #	:				l.											
Address: P.O.	Box 805						с	omp	any		·			•										
City: Hobbs	State: NM	Zip	: 8	824	1		A	ttn:																
Phone #: 575-3	397-6388 Fax #: 575	397	7-03	97			A	ddre	SS:				l		l									
Project #:	Project Owner	_{'i} Ox	(y				с	ity:										ſ						
	ost Tank 33 Federal #2						s	tate:			Zip:				-		•						-	
Project Location	n: Eddy County, NM						Р	hone	e #:	_			ŀ					ļ						
Sampler Name:							F	ax #:																
FOR LAB USE ONLY					MAT	RIX		PR	ESE	RV.	SAMPL	ING]			•						-		•
	· ·	MP		2							•	·.	[· ·	· ·						·			
		ğ	# CONTAINERS	GROUNDWATER	WASI EWALER SOIL.																		. I	• .
Lab I.D.	Sample I.D.	В	AIN		S I	u		ACID/BASE	ICE / COOL					1	N									
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		(G)RA		В В	SOIL		15	V	Ш Ш	Ē	DATE	TIME	\sim	<u> </u>	47									
1	SP2 @ 10'	G	1		$\mathbf{\Lambda}$		•				7/30/13	3:13 PM	\checkmark										.]	
12	SP2 @ 13'	6	1						ノ		7/30/13	3:50 PM	\checkmark											
13	SP3 @ 1'	6	1						Л		7/31/13	9:10 AM	1	1	1	· .	_			-	·		·	
	SP3 @ 3'	6	١		\checkmark				\checkmark		7/31/13	9:39 AM	1											
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	SP3 @ 7'	6	1								7/31/13	10:41 AM	1											
17	SP3 @ 10'	6)		1				\checkmark		7/31/13	11:26 AM	1											
18	SP3 @ 13'	6	1		1				1		7/31/13	12:09 PM	1											
19	SP4 @ 1'	6	1		1				1		7/31/13	12:31 PM	1	1	1									
20		6	I.				·		1		7/31/13	12:55 PM	1											

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	e of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above	stated reasons or otherwise.				
Relinguished By:	Date: BILL2 Received Br.	Phone Result:	Ves	D No	Add'l Phone #:	
	13113 V//	Fax Result:	🗆 Yes	□ No	Add'I Fax #:	
Later	Ting: 5-Upn MC	REMARKS:			· · · ·	
Relinquished By:	Dag 1/2 Received By:				•	
	TIMERE MAI DANAIM				·	
MAG	TITTESSON CICLU SUCCESSON					
Delivered By: (Circle One)	Sample Condition CHECKED	Y:				
Sampler - UPS - Bus - Other:	5.2 Dres Ves					

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

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. 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 Owner: Oxy Project #: City: Project Name: Lost Tank 33 Federal #2 State: Zip: Project Location: Eddy County, NM Phone #: **Roger Hernandez** Sampler Name: Fax #: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY C (G)RAB OR (C)ON GROUNDWATER NASTEWATER Lab I.D. Sample I.D. ACID/BASE CE / COO sludgé OTHER ត្រូ H DATE TIME 21 SP4 @ 4' 7/31/13 1:08 PM 1 6 SP4 @ 7' 22 7/31/13 1:34 PM 73 SP4 @ 10 7/31/13 2:04 PM 1 0 SP5 @ 1' 6 74 7/31/13 2:13 PM √ \checkmark ✓ 6 SP5 @ 3' クビ 1 7/31/13 2:20 PM 1 SP5 @ 4' G 7/31/13 2:24 PM V 6 SP5 @ 7' \checkmark 2 7/31/13 2:38 PM 1 28 SP5 @ 10' 7/31/13 2:50 PM 1 29 SP6 @ 2' (7 7/31/13 3:09 PM C 30 SP7 @ 2' 7/31/13 3:22 PM

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any calim asing whether based in contract or tort, shall be limited to the amount pair by the client for the analyses. All claims including those for negigence 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 sortice. In over this fact and the state for inclentation consequent damages, including without limitation, business interruptors, loss of our offs incured by dient, its subsidiarias.

Phone Result: □ No Relinguished B Date Received By □ Yes Add'l Phone #: □ Yes □ No Fax Result: Add'l Fax #: **Time REMARKS: Relinquished B** Received By Delivered By: (Circle One) Sample Condition Cool Intact, Sampler - UPS - Bus - Other: Yes

#54

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Flat	ieis Dr., Sam	a Fe, NNI 8750	5	S	anta F	e, NM 875	505	. <u> </u>								
	_		Rel	ease Notifi	catio	n and Co	orrective A	ction								
	7					OPERA	ГOR	Σ	🛛 Initi	al Report	Fir	al Report				
Name of Co	ompany	Oxy Permia				Contact Chancey Summers										
		tanolind Rd		NM 88240		Telephone No. (575) 397-8216										
Facility Na	me Lost	Tank 33 Fe	deral #2			Facility Typ	e Well locati	on								
Surface Ow	ner BL	M		Mineral (Owner				API No	. 30-015	5-29330					
				LOCA	ATIO	N OF REI	LEASE									
Unit Letter	Section	Township	Range	Feet from the	· · · · · · · · · · · · · · · · · · ·	South Line	Feet from the	East/We	st Line	County						
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141		215	l		-		<u>⊦</u>	,	.91	Luuy	• -					
			1	Latitude <u>N 32.4</u>	<u>12852°</u>	Longitu	de <u>W 103.7896</u>	<u>5°</u>								
				NAT	URE	OF REL										
Type of Rele		uced Water				Volume of					20 bbls					
Source of Re	lease Fra	cture on Y str	ainer		•	Date and H 07/12/2013	lour of Occurrenc		Date and 17/12/201	Hour of Dis 3	covery					
Was Immedi	ate Notice (If YES, To	Whom?			·····		<u> </u>				
			Yes	No 🗌 Not Re	equired		her-NMOCD; Jei			James Amos	- BLM					
By Whom? Was a Water						Date and Hour 07/15/2013 @ 9:05 am										
yras a yraici	course read		Yes 🛛	No		If YES, Volume Impacting the Watercourse.										
If a Watercon	urse was Im	nacted. Descr	ihe Fully *	<u>ــــــــــــــــــــــــــــــــــــ</u>		I				-REC	EIVE					
		puered, 2 0300								NOV	A Q 201	2				
										NUV	08201	3				
										NMOC		-sia				
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.*					Ļ							
A fracture on	a V straine	r on a 3" steel	nine from	the wellhead to t	the num	a caused 2500	bhis of produces	1 water to 1	leok onto	the ground	20 bble of	water				
				ner was repaired.	ate pung	y caused 2000	boils of produced	i water to i	ieax onte	o nie ground.	20 0013 01	water				
Describe Are	A ffected	nd Cleanur /	otion Tak				<u>.</u>									
Describe Ale	a Aneticu a	and Creanup P		ch.												
	area is appr	oximately 200) x 175',	Remediation will	be com	pleted in acco	rdance with a ren	nediation p	plan appr	oved by NM	IOCD and t	he				
BLM.												1				
I hereby certi	fy that the i	nformation gi	ven above	is true and compl	lete to th	e best of my	cnowledge and un	nderstand	that purs	uant to NM(DCD rules a	ind				
regulations al	l operators :	are required to	o report an	d/or file certain ro e of a C-141 repo	elease no	otifications an	d perform correct	tive action	s for rele	ases which	may endang	ger				
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	contaminatio	on that pose a three	eport does	s not relie nd water.	eve the oper	ator of nabi ter. human l	health				
or the environ	ment. In ag	dition, NMO	CD accept	ance of a C-141 r	report do	es not relieve	the operator of r	esponsibil	ity for co	mpliance w	ith any othe	er				
federal, state,	or local law	s and/or regu	lations.					17777 X 7 4 7		DIVICIO	NT					
\subset		1 m					OIL CONS	DERVA	TION	DIVISIO	<u>11N</u>					
Signature:										•.						
Printed Name	Chance	y Summers		A	Approved by Environmental Specialist:											
	Specialist					nnroual D-+-			ination T	Dota:		•				
tittes mes						Approval Date		Exp	Expiration Date:							
E-mail Addres	ss: <u>Chanc</u>	ey.Summers(<u>woxy.com</u>		(Conditions of	Approval:		Attached							
Date: S.	-6-1	3	Phone:	(575) 397-8216	5							Į				
Attach Addit					<u>_</u>				•	I.,						