Closure Report

	Site Description	FECEIVED
Site Name:	Lost Tank 3 Federal #14	OCT 25 2013
Company:	Oxy Permian Ltd.	NMOCD ARTESIA
Legal Description:	U/L J, Section 3, T22S, R31E	MAIOCH ALLEGIOS
County:	Eddy County, NM	
GPS Coordinates:	N 32.41723° W 103.76251°	

Release Data						
Date of Release:	06/17/2013					
Type of Release:	Oil and produced water					
Source of Release:	Failure of the stuffing box					
Volume of Release:	30 bbls oil, 250 bbls produced water					
Volume Recovered:	Volume Recovered: 50 bbls water					

Remediation Specifications							
RemediationExcavate the area of SP1 to a depth of 2'-3' or as practicable.Parameters:In the areas of SP2 and SP3, excavate to a depth of 1'.Excavate the areas of SP4 and SP5 to a depth of 2'. Obtain confirmation samples. Backfill the excavated areas with clean soil							
Remediation Activities:	09/25/2013 to 1	0/16/2013					
Plan Sent to OCD: OCD Approval of Plan:	09/21/2013	Email from Cliff Brunson to Mike Bratcher Email from Mike Bratcher to Cliff Brunson					
Plan Sent to BLM:	09/21/2013	Email from Cliff Brunson to J. Van Curen					
BLM Approval of Plan:	09/23/2013	Email from J. Van Curen to Cliff Brunson					

	Supporting Documentation	
Initial C-141	Signed 06/24/2013	
Final C-141	Signed 10/23/2013	
Site Diagram	June 2012	
Groundwater Plot	150'	
TOPO Maps	June 2012	
Lab Summary	07/01/2013-07/02/2013 and 10/10/2013	
Lab Analysis	07/01/2013-07/02/2013 and 10/10/2013	
Correspondence	Request and approval of remediation plan via email	

	Request for Closu	
Based on the completion requests closure approva	· · ·	reed upon, BBC International
Cliff Brunson, President	of BBC International Inc.	10/23/2013

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.

			Rela	ease Notifi	catio	n and Co	orrective A	ction	L			
						OPERA	ГOR		🖾 Init	ial Report		Final Report
							Chancey Summe					
				NM 88240		Telephone 1	······					
Facility Na	me Lost	Tank 3 Fed	eral #14			Facility Typ	e Well locati	ion				
Name of Company Oxy Permian Ltd. C Address 1017 W. Stanolind Rd, Hobbs, NM 88240 T Facility Name Lost Tank 3 Federal #14 F Surface Owner BLM Mineral Owner LOCATION Unit Letter Section Township Range Fect from the North/S									API N	o. 30-01:	5-3791	8
				LOC	ATIC	N OF RE	LEASE					
Unit Letter	Section	Township	Range			n/South Line	Feet from the	East/V	Vest Line	County		
1	3	225	31E	1450		South	1700		East	Eddy		
	•		Latit	ıde N 32.4172	3°	Lor	gitude <u>W 103</u> .					·····
			2				•					
Type of Rele	ase Oila	nd Produced	Water	INA	UKI	Volume of		ls oil.	Volume	Recovered		
						250 bbls p	roduced water		50 bbls v	vater		
Source of Ro	lease Fai	lure of the stu	iffing box			Date and F 06/17/2013	lour of Occurrenc	ce	Date and 06/17/20	Hour of Dis	scovery	
Was Immedi	ate Notice C					If YES, To	Whom?					
			Yes 🗌	No 🗌 Not R	equired	Mike Brate	cher-NMOCD; Je			James Amo	s- BLM	1
						Date and H						
Was a Water	course Read		Yes 🛛	No		ITYES, VO	olume Impacting	the Wate	ercourse.			
If a Watawa	urea was Im								FDE			7
In a watereo		pacteu, Deser	ibe i uny.							ECEIV		
										ICT 25 2	2013	İ
										~ ~ ·		
Describe Ca	ise of Probl	em and Reme	dial Action	1 Taken.*					MMC	DCD AR	TES	IAI
Failure of the	stuffing bo	ox caused 30 t	bls of oil a	und 250 bbls of p	roduce	d water to leak	onto the ground.	50 bbls	of produc	ed water we	re reco	vered via
				·······························					or prosta			
Describe Are	a Affected	and Cleanup /	Action Tak	en.*			- <u></u>					
		-										
			100' x 150	on location and	25' x 1	50° off locatio	n. Remediation	will be c	onducted	in accordanc	e with	a plan
approved by		iu ale beim.										
I hereby cert	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	inderstar	d that pur	suant to NM	OCD r	ules and
							e the operator of					
federal, state	or local lav	vs and/or regu	ulations.	·····								
		5)				<u>OIL CON</u>	<u>SERV</u>	ATION	DIVISIO	<u>)N</u>	
Signature:	\leq		$>\!\!\!\!>$	>								
Deletert New	Change					Approved by	Environmental S	pecialist	:			
Printed Nam	2: Chance	ey Summers		<u></u>						·		
Title: HES	Specialist					Approval Dat	e:	ł	Expiration	Date:		
E-mail Addr		cey.Summers	@oxy.com	<u> </u>		Conditions of	Approval:			Attached		
Date:	6-24	-13	Phone:	(575) 397-821	6				Attached [
Date:			Phone:	(373) 397-821	0							

* Attach Additional Sheets If Necessary

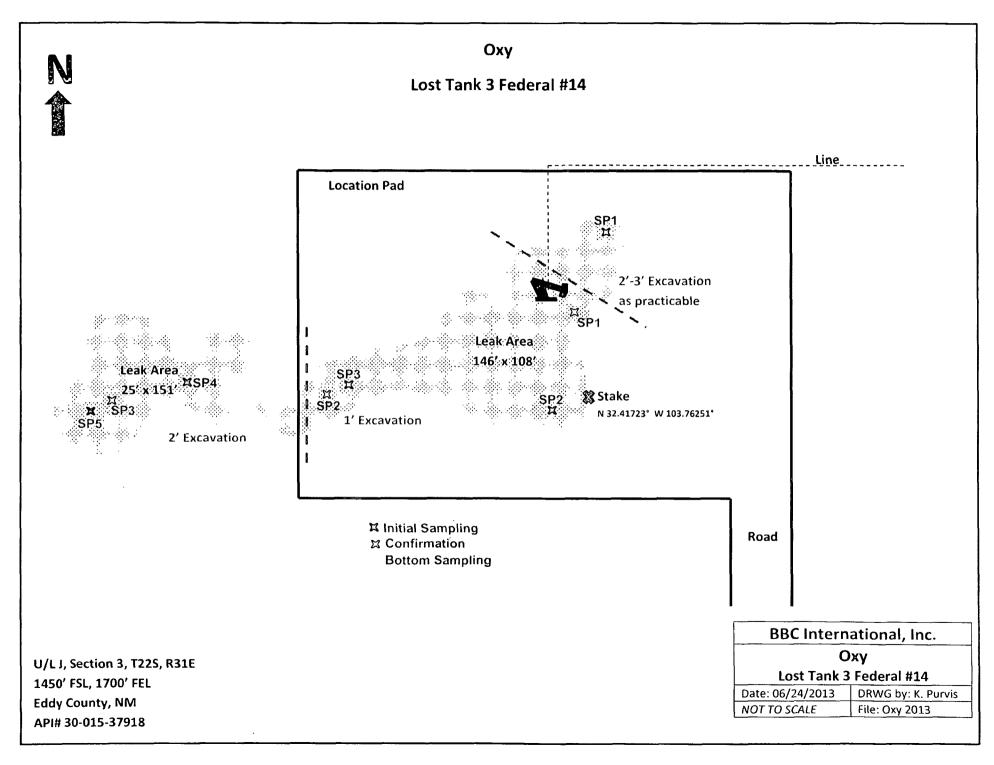
State of New Mexico Energy Minerals and Natural Resources

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.

1220 S. St. Fran	cis Dr., Sant	a Fe, NM 8750.	5	Sa	anta l	Fe, NM 875	505					
	<u></u> .		Rel	ease Notifi	catio	on and Co	orrective A	ctior	1			
						OPERA	TOR		🔲 Initi	al Report	\boxtimes	Final Repor
Name of Co		Oxy Permia				Contact Chancey Summers						
		tanolind Rd,		NM 88240		Telephone No. (575) 397-8216						
Facility Nar	ne Lost	Tank 3 Fede	eral #14			Facility Typ	e Well locati	lon				
Surface Ow	ner BLN	M		Mineral (Owner		****		API No	b. <u>30-015</u>	-3791	8
				LOCA	ATIC	ON OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/\	West Line	County		
J	3	228	31E	1450		South	1700	<u> </u>	East	Eddy		
			Latit	ude <u>N 32.4172</u>	<u>3°</u>	Lor	gitude <u>W 103.</u>	.7625 <u>1</u> °				
						E OF REL	-		-			
Type of Rele	ase Oil a	nd Produced V	Water			Volume of		ls oil.	Volume I	Recovered		
						250 bbls p	roduced water		50 bbls w	/ater		
Source of Re	lease Fai	lure of the stu	ffing box			Date and F 06/17/2011	Iour of Occurrenc	ce	Date and 06/17/20	Hour of Dis	covery	
Was Immedia	te Notice C					If YES, To	Whom?					
			Yes 🗌	No 🗌 Not Re	equired	d Mike Brate	cher-NMOCD; Je			James Amos	s- BLM	[
By Whom? Was a Water						Date and Hour 06/18/2013 @ 1:18 pm If YES, Volume Impacting the Watercourse.						
was a water	course Read		Yes 🛛	No								
If a Watercou	rse was lin	nacted Descr	ibe Fully '	<u>، </u>)			
11 4 11 41 61 60 6	iloo was mi	puttou, 196361	ibe i uny.							CT 25 2	040	
									0		013	
									NMO	CD AR	TES	A
Describe Cau	se of Proble	ein and Reme	dial Action	n Taken.*								
Failure of the	stuffing bo	x caused 30 b	bls of oil :	and 250 bbls of p	roduce	d water to leak	onto the ground.	50 bbls	s of produc	ed water we	re recov	vered via
vacuum truck				-			-		-			
Describe Area	A Affected a	and Cleanup A	Action Tak	en.*								
			003 1-0		a	70) (C1				,	• • .•	1
							n. Remediation v Jennifer Van Cur					
					·							
I hereby certil regulations al	ty that the is operators	nformation gi are required to	ven above 5 report an	is true and comp	lete to elease	the best of my notifications ar	knowledge and und perform correct	nderstar	nd that purs	uant to NM eases which	OCD ru may en	ales and Idanger
public health	or the envir	onment. The	acceptanc	e of a C-141 repo	ort by ti	he NMOCD m	arked as "Final R	eport" d	oes not reli	eve the oper	ator of	liability
should their o	perations h	ave failed to a	dequately	investigate and re	emedia renort	ite contaminati	on that pose a three the operator of r	eat to gr	ound water	, surface wa	ter, hu	man health
federal, state,	or local lav	vs and/or regu	lations.					csponsi	Unity for C		tur any	Outer
_			·)			OIL CONS	SERV	ATION	DIVISIC	<u>N</u>	
Signature:			\rightarrow									
						Approved by	Environmental Sp	pecialist				
Printed Name	Chance	y Summers										
Title: HES	Specialist					Approval Dat	e:	I	Expiration	Date:		
E-mail Addres	ss: Chan	cey.Summers(@oxy.com	l		Conditions of	Approval				_	
10	23/12					Jenamono OL	- PPOTMO			Attached		
Date: 101	<u>v / · · ·</u>) Its If Necessi	Phone:	(575) 397-821	6							

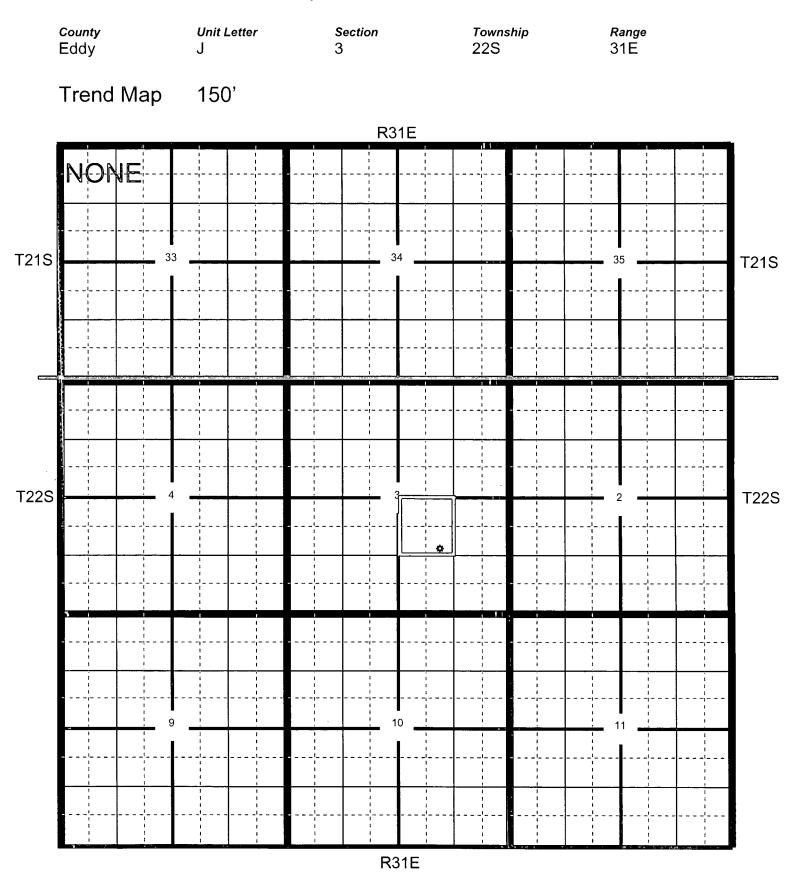
* Attach Additional Sheets If Necessary





Groundwater Plot

Oxy Lost Tank 3 Federal #14

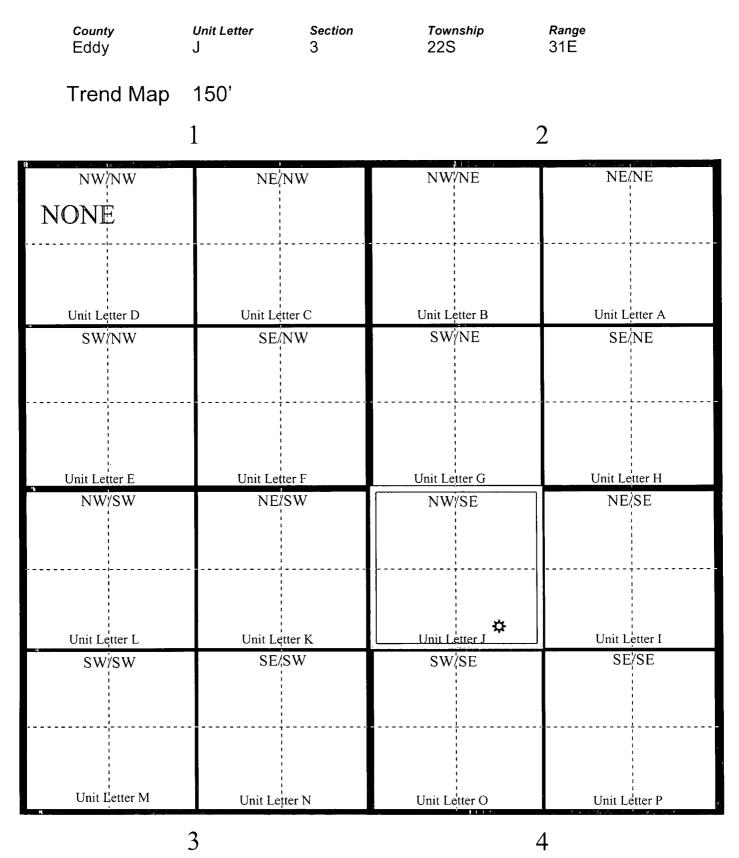


✿ Location

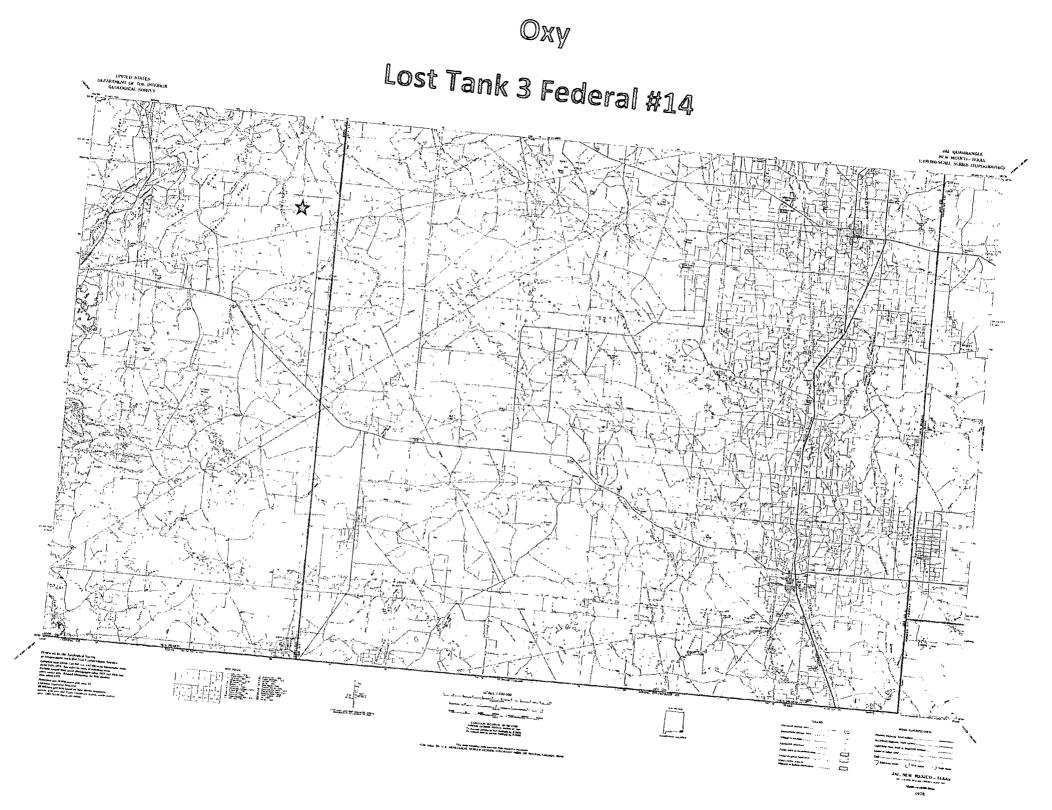


Section Quarters

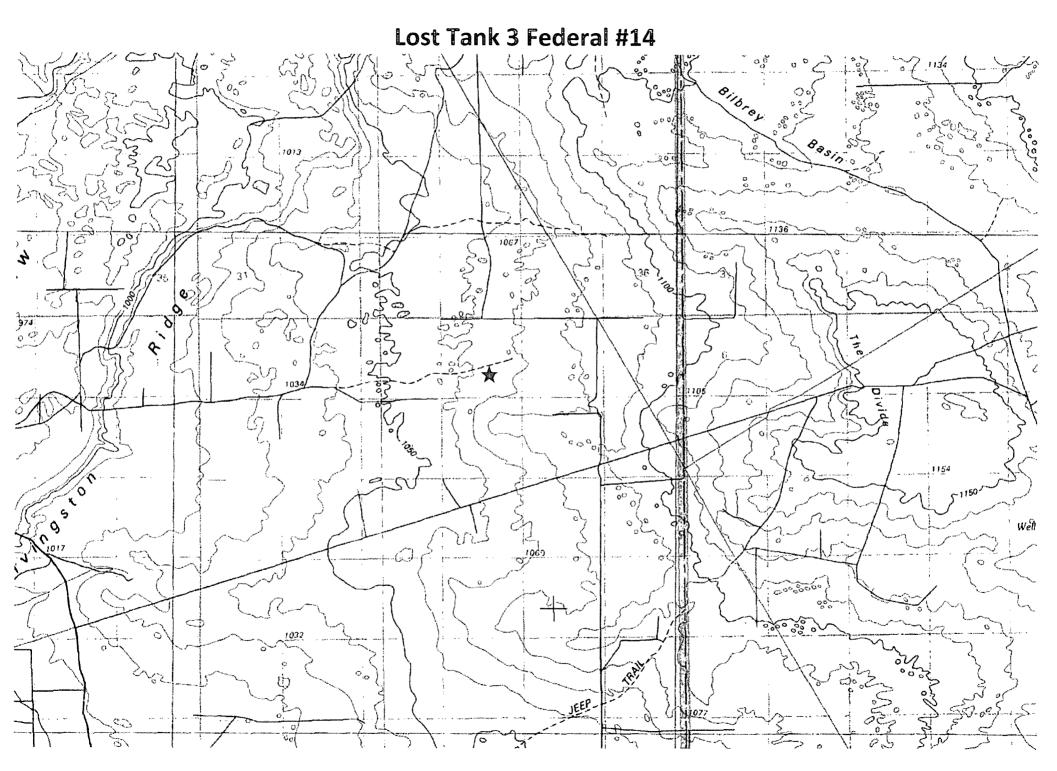
Oxy Lost Tank 3 Federal #14



Contine Location



Оху



Laboratory Analytical Results Summary Lost Tank 3 Federal #14

	_	Sample	SP1 @ SURFACE	SP1 @ 2'	SP1 @ 4'	SP1@6'	SP1 @ 7'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13	7/1/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		4160	6660	3920	880	416
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		2320	<10.0	n/a	n/a	n/a

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @3'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13
			, mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		32,000	448	48	<16.0

		Sample	SP3@ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	n/a	< 0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	n/a	<0.300	n/a
Chloride	SM4500CI-B		63,200	896	16	176
GRO	TPH 8015M		<10.0	n/a	<10.0	n/a
DRO	TPH 8015M		318	n/a	<10.0	n/a

		Sample	SP4 @ SURFACE	SP4 @ 2'	SP4 @ 4'	SP4 @ 6'	SP4 @ 8'	SP4 @ 9'
Analyte	Method	Date	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13
			mg/Kĝ	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mġ/Kg
Benzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		0.159	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		0.898	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		0.906	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		1.96	< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		384	2800	288	448	256	256
GRO	TPH 8015M		97.2	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		18,300	35.9	n/a	n/a	n/a	n/a

		Sample	SP5@ SURFACE	SP5 @ 2'	SP5 @ 4'	SP5@6'	'SP5 @ 7'
Analyte	Method	Date	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	< 0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	< 0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	< 0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		2140	2120	592	304	224
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		3370	16.2	n/a	n/a	n/a

Laboratory Analytical Results Summary Lost Tank 3 Federal #14

		Sample	SP1@ BOTTOM	SP2@ BOTTOM	SP3@ BOTTOM
Analyte	Method	Date	10/10/13	10/10/13	10/10/13
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		64	64	64

-



July 15, 2013

Cliff Brunson BBC International, Inc. P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FED #14

Enclosed are the results of analyses for samples received by the laboratory on 07/09/13 14:40.

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.

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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ SURFACE (H301603-01)

BTEX 8021B	mg	mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2013	ND	2.40	120	2.00	1.00	
Toluene*	<0.050	0.050	07/12/2013	ND	2.34	117	2.00	0.905	
Ethylbenzene*	<0.050	0.050	07/12/2013	ND	2.42	121	2.00	0.0330	
Total Xylenes*	<0.150	0.150	07/12/2013	ND	7.18	120	6.00	0.114	
Total BTEX	<0.300	0.300	07/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 108 % 89.4-126

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	07/11/2013	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/11/2013	ND	201	101	200	4.50	
						105	200	7.08	

Surrogate: 1-Chlorooctadecane 156 % 63.6-154

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Celey Di 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 2 FT (H301603-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	07/11/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	79.1 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.9 9	63.6-15	4						

Sample ID: SP 1 @ 4 FT (H301603-03)

Chloride, SM4500CI-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	07/12/2013	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey Di Kerre

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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 6 FT (H301603-04)

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 1 @ 7 FT (H301603-05)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ SURFACE (H301603-06)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ 1 FT (H301603-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	_				· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ 2 FT (H301603-08)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

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Celuz 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 2 @ 3 FT (H301603-09)

Chloride, SM4500Cl-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	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 3 @ SURFACE (H301603-10)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	63200	16.0	07/12/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	318	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	86.8	% 65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	93.3	% 63.6-15	4						

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Celey Di 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 3 @ 1 FT (H301603-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 3 @ 2 FT (H301603-12)

BTEX 8021B	mg/l	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	< 0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/12/2013	ND	400	100	400	0.00	
ТРН 8015М	mg/l	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	91.8 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.8	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 3 @ 3 FT (H301603-13)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ SURFACE (H301603-14)

BTEX 8021B	mg/kg		Analyzed By: DW					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794		
Toluene*	0.159	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379		
Ethylbenzene*	0.898	0.050	07/13/2013	ND	2.00	100	2.00	0.131		
Total Xylenes*	0.906	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169		
Total BTEX	1.96	0.300	07/13/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	174 %	6 89.4-12	6				<u> </u>			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP						

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/12/2013	ND	400	100	400	0.00	
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	97.2	50.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	18300	50.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	119 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	593	63.6-15	4						

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Celey & 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:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 4 @ 2 FT (H301603-15)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2800	16.0	07/12/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	35.9	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	83.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.0 9	63.6-15							

Sample ID: SP 4 @ 4 FT (H301603-16)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/12/2013	ND	400	100	400	0.00	

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Celen Di Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 4 @ 6 FT (H301603-17)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ 8 FT (H301603-18)

Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ 9 FT (H301603-19)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/12/2013	ND	400	100	400	0.00	

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Celey 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:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 5 @ SURFACE (H301603-20)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 110 % 89.4-126

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2140	16.0	07/12/2013	ND	400	100	400	0.00	
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	<50.0	50.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	3370	50.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	91.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	175	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 5 @ 2 FT (H301603-21)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050 0.050		07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 % 89.4-12		5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/12/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	16.2	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	92.9 % 65.2-140		0						
Surrogate: 1-Chlorooctadecane	95.5 9	63.6-15	1						

Sample ID: SP 5 @ 4 FT (H301603-22)

Chloride, SM4500CI-B mg/kg			Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/12/2013	ND	400	100	400	0.00	

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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:	07/09/2013	Sampling Date:	07/02/2013	
Reported:	07/15/2013	Sampling Type:	Soil	
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	WIPP SITE			

Sample ID: SP 5 @ 6 FT (H301603-23)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Analyte Result Rej		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 5 @ 7 FT (H301603-24)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2013	ND	400	100	400	0.00	

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Celey Di Kerre

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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101 East Marland, Hobbs, NM 88240

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

Company Name: BBC International, Inc.	BILL TO ANALYSIS REQUEST									
Project Manager: Cliff Brunson	P.O. #:									
Address: P.O. Box 805	Company:									
City: Hobbs State: NM Zip: 88241	Attn:									
Phone #: 575-397-6388 Fax #: 575-397-0397	Address									
Project #: <u>}</u> Project Owner: ØX4	City:									
Project Name: LOST tan KAFEd # 14	State: C) Uzip:									
Project Location: Whipp Site WIPP Site	Phone #.									
Sampler Name: Garu RAY	Fax #:									
FOR LAB USE ONLY	PRESERV SAMPLING									
Tap I'D Samble I'D Partial Containers # CONTAINERS Mastewater Solu Solu Oil	ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIBASE: ACIDIASE: ACIDIASE: ACIDIBASE: ACIDIA ACIDIBASE: ACIDIBASE: ACIDIA ACIDIA ACIDIBASE: ACI									
1 SP 1 C Surface 62 X										
25P1@2F+ 62 X	$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
35P7@4F4 62 X										
45° 2° 6F+ 62 X	X 7-1-17 11:15 X									
58P 20 7F+ 61 X	X 7-1-13 11:30 X									
6 SP 2 Surface 62 X	X 7-1-13 11: 45 X									
7 5P 2 C 2Ft 62 X	X 7-1-13 1:10 X									
8 5P 2 C 2 Ft 6 2 X	X 7-1-17 1:25 X									
95P2C3H 012 X	X 7.1-13 1:38 X									
DISP3 CO SurFace 64 X	$ X 7-1-13 _{1:52} X X X $									
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing at	E NOTE: Liability and Damoges. Cardinal's liability and client's exclusive remedy for any datin arising whether based in contract or tort, shall be limited to the amount paid by the client for the s. All clasms including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, ousiness interruptions, kos of use, or loss of profile incurred by client, its subsidiaries,									

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

affikates or successors arising out of or related to the performance of see Relinquished By:______ Phone Result: □ Yes □ No |Add'l Phone #: □ Yes □ No |Add'l Fax #: Regeived By Fax Result: REMARKS: Tiŋ AB Project name revised as per Kathy. 7/15/13 Ch Received By: Relinguished By: Date Time: Delivered By: (Circle One) CHECKED BY: Sample Condition Cool Intact n Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Company Name	mpany Name: BBC International, Inc.						•	_		ANAL	YSIS	S RE	QUE	ST						
	r: Cliff Brunson					Ρ.0). #:													
Address: P.O	Box 805					Co	mpa	ny:] ,									
City: Hobbs	State: NM	Zip:	8	8241		Attn:														
Phone #: 575-	397-6388 Fax #: 575	-397	-03	397		Ad	dres	<i>?</i> ``	.NF	/										
Project #:						City:														
	Lost tank, Fed #14			_		Sta	ate: /	[][Zip:		1								i I	
Project Locatio	: tokipp Site WIA	$\overline{\rho}$	ç	Site		Ph	one	₽~ #:			1									
	GARY RAY					Fa	x #:													
FOR LAB USE ONLY		TT	T	MAT	RIX		PRE	SERV	SAMPL	NG	1									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL SLUDGE	OTHER :	ACID/BASE:	ICE / COUL OTHER :	DATE	TIME	- 1.)	TPH	B-T-X							
11	5P3@1Ff	6	2	X				X	7-1-13	2:07	T									
12	5P3@2F+	6	1	X		T		X	7-1-13	2:20	X	X	X							
13	5P3@ 3F+	6	2	X				X	1-1-13	2:35	X								 	
14	SP4@ SurFace	6	1	X				X	7-2-13	9:10	X	X	Χ_	 					 	
15	5P4@2Ft	6	2					XL	72-13	9: 27	X	<u>_X</u>	X	 					 	
16	SPG @ HF+	6	2	X				<u>{ </u>	7.2-13	10:00	LX_			 					 	
17	RH Q GF+	G	2					X }	7.2.13	10:27	X			 					 	
18	SP4 @ 8 Ft	6	2	X				X	7-2-13		X			 					 	
	SPY @ 9Ft	6	거	<u> </u>		1		Χ	7.2.13	11:00	X			 					 	
80	SPSE SUTFACE	161	21		. (1		L	7-2-13	11:15	IX.	X	IX			[, I	(

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amates or successors ansing out or or related to the performan	ince of services neteunoer by Cardinal, redardless of whether such chaigh is based upon any of the add	Restated reasons or driverwise.
Relinguished By:	Date 19 12 Received By:	Phone Result: Yes No Add'l Phone #:
		Fax Result: Ves No Add'I Fax #:
	Time: The /// /// Wo // ///	REMARKS:
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Relinguished By:	Date: Received By:	
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1	Time:	
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	Cool /Intact Antias	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Page 16 of 16

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326	FAX (505)	393-2476
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Company Name: BBC International, Inc.				•				_	ANA	LYSI	S RE	QUE	ST									
	r: Cliff Brunson					Ρ.0	D. #:															
Address: P.O.	Box 805					Co	mpa	ny:										ļ				
City: Hobbs	State: NM	Zip	: 8	8241		Attn:						.				1						
Phone #: 575-	397-6388 Fax #: 575	-397	7-03	397		Ad	dres	s: /	7]	ļ]				
Project #:	ر Project Owner	:0	አч			Cit	y:	3	IMP	,												
Project Name:	Lost tank, Fed # 14 whipp site WIP			·		Sta	ate:	1	Zip:													
Project Location	" 4thipp site WIP	ρ	5	orte		Ph	one	#:														
Sampler Name:						Fa	x #:					[[[ĺ	{	ĺ			
FOR LAB USE ONLY			Π	MAT	RIX		PRE	SERV	SAMPL	ING .	1		$\left \right\rangle$	-	1	İ	ĺ		1		i l	1
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	OIL SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	-72	HOL	97-81	2								
21	SPSC 2Ft SPSC 4Ft	6	2	X				X	7-2-17	11:30	X	X	X									
22	SPSE 4Ft	6	1	X				ΧĹ	72-13	12:00	X											
- 83	5P5 @ 6F+	6	2	<u> </u>				X	7-2-13	1:23	X.											
34	SPS@ 7Ft	6	2					X	7.2.13	1:75	X											
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PLEASE NOTE: Liability and Damages. Cardinal's liability and clerit's evolusive remedy for any datin arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses, All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days alter completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including without lancation, business interruptions, loss of use, or loss of profils incurred by client, 45 subsidiaries,

affitates or successors arising out of or related to the performance of services hereunder by Carding), regardless of whether such claim is based upon any of the above stated in	easons or otherwise.			
Relinquished By:	Phone Result:	O Yes	O No	Add'l Phone #:
19/13 10 1 1 10	Fax Result:	O Yes	D No	Add'l Fax #:
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Sampler - UPS - Bus - Other: 5.40 Dives Dives				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-398-2476

#54



October 14, 2013

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

RE: LOST TANK 3 FED #14

Enclosed are the results of analyses for samples received by the laboratory on 10/10/13 13:40.

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_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:	10/10/2013	Sampling Date:	10/10/2013
Reported:	10/14/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ BOTTOM (H302460-01)

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	10/11/2013	ND	416	104	400	3.92	

Sample ID: SP 2 @ BOTTOM (H302460-02)

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	10/11/2013	ND	416	104	400	3.92	

Sample ID: SP 3 @ BOTTOM (H302460-03)

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	10/11/2013	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Kune

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 $6^{\circ}C$
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey E. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. ANALYSIS REQUEST YEAL TREAMENT Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: City: Hobbs State; NM zip: 88241 Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project #: **Project Owner:** City: Project Name: State: Zip: Phone #: Project Location: HERMOREZ Fax #: Sampler Name: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Sample I.D. Lab I.D. GNNO H30246 DATE TIME 10.10.17 1 1:00 10.10 1 10.10.13 11:51 ON PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved 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 limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filitates or successors arising out of or related to the performance of services hereunder by Cardina egardless of whether such claim is it s or otherwise Relinguished By Phone Result: C Yes No Add'l Phone #: hived Rv Fax Result: Yes No Add'l Fax #: REMARKS: Tinper **Relinquished By:** Date: Time: Delivered By: (Circle One) CHECKED BY: Sample Condition Cool /Intact / .80 No No Sampler - UPS - Bus - Other: † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 42.5

Page 4 of

Kathy Purvis

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Thursday, October 03, 2013 4:03 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-Lost Tank 3 Federal #14-Remediation Plan

Reference: OXY USA * Lost Tank 3 Fed 14 * 30-015-37918 * J-3-22s-31e * Eddy County, New Mexico OCD Tracking number: 2RP-1698 * Date of release: 6/17/2013

Cliff,

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: Saturday, September 21, 2013 3:46 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Lost Tank 3 Federal #14-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 to the northeast of the well head as depicted on the site diagram and represented by SP1 to a depth of 2-3 feet or as practicable. In the area on the western portion of the well pad represented by SP2 and SP3 as depicted on the diagram, the excavation will be to a depth of 1 foot. The area off the well pad to the west represented by sample points SP4 and SP5 will be excavated to a depth of 2 feet. All excavated areas will be backfilled with the appropriate type of clean soil.

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

Thanks, Cliff

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Kathy Purvis

From:	Van Curen, Jennifer <jvancure@blm.gov></jvancure@blm.gov>
Sent:	Monday, September 23, 2013 12:29 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: OXY-Lost Tank 3 Federal #14-Remediation Plan

Cliff,

The plan is approved with the following stipulations:

All areas will need to be below 1000 ppm at 0"-1', 1'-2' less than 1200 ppm, 2'-3' less than 1500 ppm, 3'-4' less than 2000 ppm. If at 4' the chlorides are not below 2000 than appropriate measures will need to be taken to prevent leaching of chlorides. The level will determine what measure that will be needed. This should help you with future plans. So bottom samples will be needed to determine if they meet the above standards. The main long term objective is to be able to vegetate the area with desired species.

The reason we don't like to leave anything high on a location is because that is difficult to track in the future at plugging. Any high chlorides left behind at time of plugging will get ripped across the location. This results in negative impacts to the reclaimed location; not allowing for a successful re-vegetation. These left over contaminants will need to not only be below ripping depth from remediation, but also leave enough material between rips and contaminants. This is not looking at the right now, but at the time of plugging and ultimately achieving final abandonment. 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 Sat, Sep 21, 2013 at 3:51 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

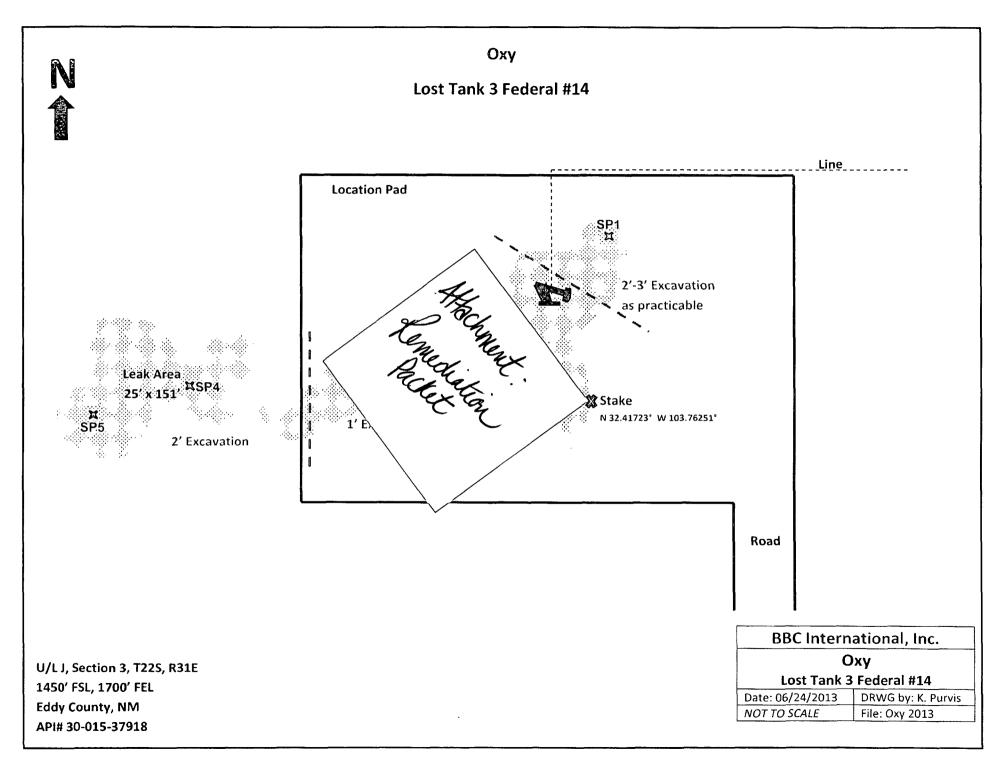
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. Oxy is proposing to excavate the leak area to the northeast of the well head as depicted on the site diagram and represented by SP1 to a depth of 2-3 feet or as practicable. In the area on the western portion of the well pad represented by SP2 and SP3 as depicted on the diagram, the excavation will be to a depth of 1 foot. The area off the well pad to the west represented by sample points SP4 and SP5 will be excavated to a depth of 2 feet. All excavated areas will be backfilled with the appropriate type of clean soil.

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>

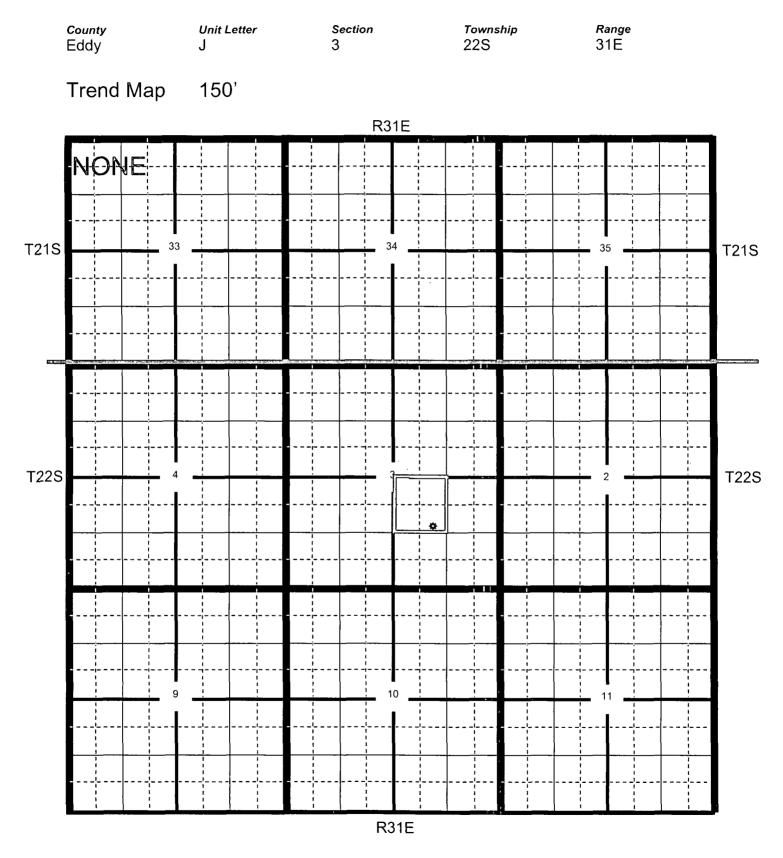
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Groundwater Plot

Oxy Lost Tank 3 Federal #14





Section Quarters

Oxy Lost Tank 3 Federal #14

<i>County</i> Eddy	Unit Letter J	Section 3	Township 22S	Range 31E	
Trend Map	150'				
	1			2	
NW/NW	NE/N	JW	NW/NE	NI	E/NE
NONE					
Unit Letter D	Unit Lett	er C	Unit Letter B Unit Letter SW/NE SE/NE		
SW/NW	SE/N	IW	SWÝNE	SI	EANE
Unit Letter E	Unit Lette	er F	Unit Letter G	unit I	etter H
NW/SW	NE/S	SW	NW/SE	NI	E/SE
Unit Letter L	Unit Lett		Unit Letter J		Letter I
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Laboratory Analytical Results Summary Lost Tank 3 Federal #14

		Sample	SP1@ SURFACE	SP1 @ 2'	SP1@4'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13	7/1/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Toluene	BTEX 8021B	_	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		4160	6660	3920	880	416
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		2320	<10.0	n/a	n/a	n/a

		Sample	SP2@ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @3'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13
			mġ/Kġ	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		32,000	448	48	<16.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	7/1/13	7/1/13	7/1/13	7/1/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	<0.050	n/a
Toluene	BTEX 8021B		< 0.050	n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	<0.300	n/a
Chloride	SM4500CI-B		63,200	896	16	176
GRO	TPH 8015M		<10.0	n/a	<10.0	n/a
DRO	TPH 8015M		318	n/a	<10.0	n/a

		Sample	SP4@ SURFACE	SP4 @ 2'	SP4 @ 4'	SP4 @ 6'	SP4 @ 8'	SP4 @ 9'
Analyte	Method	Date	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		0.159	<0.050	n/a	n/a	n/a	п/а
Ethylbenzene	BTEX 8021B		0.898	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		0.906	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		1.96	< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B	1	384	2800	288	448	256	256
GRO	TPH 8015M		97.2	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		18,300	35.9	n/a	n/a	n/a	n/a

		Sample	SP5@ SURFACE	SP5 @ 2'	SP5 @ 4'	SP5 @ 6'	SP5 @ 7'
Analyte	Method	Date	7/2/13	7/2/13	7/2/13	7/2/13	7/2/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		< 0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500CI-B		2140	2120	592	304	224
GRO	TPH 8015M		<50.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		3370	16.2	n/a	n/a	n/a



July 15, 2013

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

RE: LOST TANK 3 FED #14

Enclosed are the results of analyses for samples received by the laboratory on 07/09/13 14:40.

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 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ SURFACE (H301603-01)

BTEX 8021B mg/kg Analyzed By: DW Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene* < 0.050 0.050 07/12/2013 ND 2.40 120 2.00 1.00 Toluene* < 0.050 0.050 07/12/2013 ND 2.34 117 2.00 0.905 Ethylbenzene* < 0.050 0.050 07/12/2013 ND 2.42 121 2.00 0.0330 Total Xylenes* < 0.150 0.150 07/12/2013 ND 7.18 120 6.00 0.114 Total BTEX < 0.300 0.300 07/12/2013 ND

Surrogate: 4-Bromofluorobenzene (PIL 108 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	07/11/2013	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	2320	50.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	91.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	156	% 63.6-15	4						

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Celeg Di 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 2 FT (H301603-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	07/11/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	79.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.9	% 63.6-15	4						

Sample ID: SP 1 @ 4 FT (H301603-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	07/12/2013	ND	400	100	400	0.00	

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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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 6 FT (H301603-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 1 @ 7 FT (H301603-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ SURFACE (H301603-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ 1 FT (H301603-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		· · · · · · · · · · · · · · · · · · ·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 2 @ 2 FT (H301603-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2013	ND	400	100	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 2 @ 3 FT (H301603-09)

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	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 3 @ SURFACE (H301603-10)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1,97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	63200	16.0	07/12/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	318	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	86.8 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.3 9	63.6-15	4						

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Celey & Keene

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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 3 @ 1 FT (H301603-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 3 @ 2 FT (H301603-12)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene [*]	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Anałyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/12/2013	ND	400	100	400	0.00	
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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	<10.0	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	91.8 9	65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	96.8 9	63.6-15	4						

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Celeg Di 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:	07/09/2013	Sampling Date:	07/01/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 3 @ 3 FT (H301603-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ SURFACE (H301603-14)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	0.159	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	0.898	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	0.906	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	1.96	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 174 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/12/2013	ND	400	100	400	0.00	
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	97.2	50.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	18300	50.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane		% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	593	% 63.6-15	4						

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Celey D. Kerne

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:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 4 @ 2 FT (H301603-15)

BTEX 8021B	mg,	′kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 107 % 89.4-126

Chloride, SM4500CI-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	07/12/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50		
DRO >C10-C28	35.9	10.0	07/11/2013	ND	211	105	200	7.08		
Surrogate: 1-Chlorooctane	83.8	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	87.0	% 63.6-15	4							

Sample ID: SP 4 @ 4 FT (H301603-16)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/12/2013	ND	400	100	400	0.00	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 4 @ 6 FT (H301603-17)

Chloride, SM4500Cl-B	-B mg/kg			Analyzed By: AP			<u>. </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ 8 FT (H301603-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 4 @ 9 FT (H301603-19)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/12/2013	ND	400	100	400	0.00	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 5 @ SURFACE (H301603-20)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2140	16.0	07/12/2013	ND	400	100	400	0.00	
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	<50.0	50.0	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	3370	50.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	91.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	175 9	63.6-15	4						

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Celey Di 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:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 5 @ 2 FT (H301603-21)

BTEX 8021B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.794	
Toluene*	<0.050	0.050	07/13/2013	ND	1.97	98.3	2.00	0.379	
Ethylbenzene*	<0.050	0.050	07/13/2013	ND	2.00	100	2.00	0.131	
Total Xylenes*	<0.150	0.150	07/13/2013	ND	5.94	99.1	6.00	0.169	
Total BTEX	<0.300	0.300	07/13/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 106 % 89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/12/2013	ND	400	100	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	07/11/2013	ND	201	101	200	4.50	
DRO >C10-C28	16.2	10.0	07/11/2013	ND	211	105	200	7.08	
Surrogate: 1-Chlorooctane	92.9	% 65.2-14	0				.		
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

Sample ID: SP 5 @ 4 FT (H301603-22)

Chloride, SM4500Cl-8	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/12/2013	ND	400	100	400	0.00	

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Celey Di 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:	07/09/2013	Sampling Date:	07/02/2013
Reported:	07/15/2013	Sampling Type:	Soil
Project Name:	LOST TANK 3 FED #14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	WIPP SITE		

Sample ID: SP 5 @ 6 FT (H301603-23)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/12/2013	ND	400	100	400	0.00	

Sample ID: SP 5 @ 7 FT (H301603-24)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2013	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505)	393-2326	FAX (505	393-2476
11			

(505) 393-2326 FAX (505) 393-2476	
Company Name: BBC International, Inc.	BILL TO ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:
Address: P.O. Box 805	Company:
City: Hobbs State: NM Zip: 88241	Attn:
Phone #: 575-397-6388 Fax #: 575-397-0397	Address
Project #: 3 Project Owner: 0X4	City:
Project Name: LOST tan KAFEd # 14	State: Vip:
Project Location, WKiPP Site WIPP Site	Phone #
Sampler Name: Gary RAY	Fax #:
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING
Tap I'D' Samble I'D' Page 1'D' CONTAINERS # # CONTAINERS MASTEWATER MASTEWATER SSOIL Ssoil OIL	ACIDIBASE: ACIDIBASE: B-12X B-
1 SPIC Surface 62 X	$ X \gamma_{l-17} 0.00 X X X $
215P1@2F+ 62 X	X 9-1-10 10:30 X X X
35P1@4F+ 62 X	X 7-1-13 10:55 X
4 8P 20 6 Ft 62 X	X 9-1-17 11:15 X
5 SP 20 7F+ 61 X	X 7-1-13 11:30 X
6 SP 20 Surface 62 X	X 7-1-13 11:45 X
7 5P 2 C 2Ft 62 X	X 21-13 1:10 X
8 5P 2 C 2 Ft 62 X	X 7-1-17 1:25 X
95P2C3H 62 X	X 17-1-13 1:38 X
10 SP3 C SurFace 62 X	X 7.1.13 1:52 X X X
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contrac analyses. All claims including those for negligence and any other cause whatsoever shaft be deemed waived unless made in whiling an	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

service, in no event shall Ca ass of use, or loss of profits incurred by die

allifiales or successors ansing out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise. Relinguished By: DA Regeived By: Phone Result: Yes No |Add'l Phone #: Yes No Add'l Fax #: Fax Result: REMARKS: Tir AB Project name revised as per Kathy. 7/15/13 che Received By: Relinquished By: Dale: Time: Delivered By: (Circle One) CHECKED BY: Sample Condition Cool Intact Ves Ves No No Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2**4**76 #54

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-24	(505) 393-2326	FAX (505) 393-2476
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Company Name	BBC International, Inc.					E	3/1	4.70				AN	ALYSI	S RE	QUE	ST		
Project Manage	r: Cliff Brunson				P.O.			÷										
Address: P.O.	. Box 805				Company:													
city: Hobbs	State: NM	Zip	: 8	8241	Attn	:		0						1				
Phone #: 575-	397-6388 Fax #: 575	-397	7-0:	397	Add	ress.	1							1				
Project #:	S Project Owner	: 0	xq		City	:/~	In							1				
Project Name:	Lost tank, Fed #14				Stat	e: /)	JU j	Zip:						l				į į
Project Locatio	" Whipp Site WIF	<u>ס</u> כ	ć	Site.	Pho	ne #:								1				
Sampler Name:	GARY RAY	_			Fax	#:	_					Í		{				{
FOR LAB USE ONLY	y			MATRIX	P	RESER	<u>v</u>	SAMPLING				[1				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER Soll Oll SLUDGE	OTHER :	ACIU/BASE: ICE / COOL	OTHER :	DATE TIME	-11)	7PH	B-Tex							
11	5P3@1Ft	6	1	X		X		7-1-13 2:07	Х									
12	5P3@2F+	6	1	X		X		7-1-13 2:20	X	X	X							
13	SP3@ 3F+		2			X		1-1-13 2:35	<u>X</u>									
14	SP4@ SurFace	66	1			X		7-2-13 9:10	X	X	X							
15	5P4@2Ft	6	2			<u> X </u>		72-17 9: 27	X	_X	X							
16_	SPU @ HF+	6	2	X		X		7-2-13 10:00	_X_									
17	KPU @ 6Ft	G	2			X		7.2.13 10:27	X									
	SP4 @ 8 Ft	6	2		└──│-	X		7-2-13 10:45	X									
	SPY C 9Ft	6	212		╞╴╻╿.	X		7.2.13 11:00	X									
20	SPSE SUFFACE	16	12			X		9-2-13 11:15	X	X	X							

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	attitutes or successors arising out of or related to the performance of	I services hereunder by Cardinal, I	regardless of whether such chaim is based upon any of the above stated re	asons or otherwise.			
	Relinguished By:	Priela 12 Reg	ceived By:	Phone Result:	O Yes	O No	Add'l Phone #:
				Fax Result:	C Yes	🗆 No	Add'i Fax #:
		Time: In /	17) ALL MADIANAL	REMARKS:			
		2.4016	Nell Menuer				
1	Relinquished By:	Date: RAC	ceived By:				
		0	•				
		Time:					
	Delivered By: (Circle One)		Sample Condition CHECKED BY:				
		,	Cool Intact Antials				
	Sampler - UPS - Bus - Other:	50	O Pres Pres				
		<u> </u>	4 NO NO 1 9V				

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#54

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

Company Name	BBC International, Inc.				ŀ		BI	44 70		<u>٢</u>				LYSIS	S RE	QUE	ST			
Project Manage	r: Cliff Brunson			·····	P.0	D. #:									[
Address: P.O. Box 805 C						Company:														
						tn:				<u> </u>					{	ł				
Phone #: 575-	397-6388 Fax #: 575	397	7-0	397	Ad	dres	ss: /	1						1		1				
Project #:	<u>γ</u> Project Owner	:0	Xu		Cit	ty:	5	IMP		Į										
Project Name:	Lost tank, Fed # 14			•	Sta	ate:	1	Zip:]]						
Project Locatio	Lost tank, Fed # 14 .: cothipf site WIP	ρ	Ś	orte	Ph	one	#:													
Sampler Name:					Fa	x #:							[Í		[
FOR LAB USE ONLY				MATRIX		PRE	SERV	SAMPLI	NG			\mathbf{X}								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER Soil	SLUDGE OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	-72	HOL	21-81	\$							
21	SPS@ 2Ft	6	2	X			XI	7-2-17	11:30	X	X	X								
27	SPSE 4Ft	6	Í	X			ΧL	72-13	12:00	X					<u> </u>					
23	5P5 @ 6FF	6					X X −	7.2.13	1:23	X			 							
34	SPS@ 7Ft	6	12				X	7-2-13	1:35	Ŷ			 							
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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affiliates or successors arising out of or related to the performance	of services hereunder by C	Cardinal recordless of whether such daim is b	ased upon any of the above stated re	asons or otherwise.			
Relinguished By:	112112	Received By:		Phone Result:	C Yes	O No	Add'I Phone #:
				Fax Result:	O Yes	D No	Add'I Fax #:
	Time	1/1/\///// 4010	IN A MAN	REMARKS:			
K	+p:40	Mar Mr	The C				
Relinguished By:	Date:	Received By:					
	Time:	1					
Delivered By: (Circle One)		Sample Condition	CHECKED BY:				
		Cool Intact	(Linitiats)				
Sampler - UPS - Bus - Other:	-	5.40 Dres Dres					
	0	No No					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-391-2476

#54

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.

			-	58	anta F	e, NM 8/3	505									
Release Notification and Corrective Action																
						OPERA '	TOR	۵	d Initi	al Report		Final Report				
Name of C	ompany	Oxy Permia	n Ltd.				Chancey Summe		-			r				
Address		tanolind Rd,		NM 88240		Telephone No. (575) 397-8216										
Facility Na	me Lost	Tank 3 Fed	eral #14	9.411 40		Facility Type Well location										
Surface Ov	vner BLN	M		Mineral C	Owner				API No	o. <u>30-01</u> 5	5-3791	8				
				LOCA	ATIO	ION OF RELEASE										
Unit Letter	Section	Township	Range	Feet from the		n/South Line	Feet from the	East/We	st Line	County						
L L	3	228	3IE	1450		South	1700	Ea	st	Eddy						
L			Latit	ude_N 32.4172	3°	Lor	igitude <u>W 103</u> .	.76251°				/				
					-	OF REL	-									
Type of Rele	ease Oil ar	nd Produced	Water	14184	UNL	Volume of		ls oil,	/olume [Recovered						
							roduced water		0 bbls w							
Source of Ro	elease Fail	lure of the stu	ffing box			Date and F 06/17/2011	lour of Occurrenc 3		Date and 6/17/20	Hour of Dis	covery					
Was Immedi	ate Notice C			No 🗌 Not R		If YES, To		·····	0							
D 11/1 - 0	Change		res		equirea		cher-NMOCD; Je			James Amos	S- BLM					
By Whom? Was a Water						Date and Hour 06/18/2013 @ 1:18 pm If YES, Volume Impacting the Watercourse.										
			Yes 🛛	No		11120, 10	nume implicants i		ourse.							
If a Waterco	urse was Imj	pacted, Deser	ibe Fully."	*												
Describe Cau	C Durah La	1.0	1. 1. 4	T.I. *												
Describe Cat	use of Proble	em and Reme	dial Action	n laken.≁												
				and 250 bbls of p	oduced	l water to leak	onto the ground.	50 bbls o	f produce	ed water we	re recov	vered via				
		ng box was r	·													
Describe Are	ea Affected a	ind Cleanup A	Action Tak	cen.*												
			00' x 150	' on location and	25' x 1	50° off locatio	n. Remediation v	vill be con	ducted in	1 accordance	with a	ı plan				
approved by	NMOCD an	d the BLM.														
I hereby cert	ify that the in	nformation gi	ven above	is true and comp	lete to t	he best of my	knowledge and u	nderstand	that purs	uant to NM	OCD ru	iles and				
regulations a	ll operators a	are required to	o report ar	nd/or file certain re	elease r	notifications ar	nd perform correc	tive action	s for rele	eases which	may en	ndanger				
should their a	or the envir	onment. The	acceptance adequately	e of a C-141 repo	rt by th mediat	e NMOCD m le contaminati	arked as "Final Re	eport" doe	s not reli nd water	eve the oper	ator of	hability man health				
or the enviro	nment. In ac	Idition, NMO	CD accep	tance of a C-141	report c	loes not reliev	e the operator of r	responsibil	ity for co	ompliance wa	ith any	other				
federal, state.					· · ·			-	-	-						
		5					OIL CONS	<u>SERVA</u>	TION	DIVISIC	<u>)N</u>					
Signature:			\geq	>												
Printed Name	c: Chance	y Summers				Approved by	Environmental Sp	pecialist:								
	•••••••••						·····			· · · · ·						
Title: HES	Specialist					Approval Dat	<u>e:</u>	Ex	piration l	Date:						
E-mail Addre		ey.Summers(@oxy.com	1		Conditions of	Approval:			Attached						
Date:	6-24	-13	Phone:	(575) 397-821	6											

* Attach Additional Sheets If Necessary