### **Closure Report**

	Site Description
Site Name:	Lost Tank 33 Federal #2 SWD
Company:	Oxy Permian Ltd.
Legal Description:	U/L M, Section 33, T21S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.42870° W 103.78971°

	Release Data
Date of Release:	09/03/2015
Type of Release:	Produced water
Source of Release:	Coupler on well head failed due to vibration and high pressure
Volume of Release:	80 bbls
Volume Recovered:	70 bbls

	Remediation Specifications
Remediation Parameters:	Excavate the areas around SP1, SP2, SP3, SP6, and SP7 to a depth of 1 foot. Excavate the areas around SP4 and SP5 to a depth of 2.5 feet. Backfill the site with clean soil.
Remediation Activities:	February 2016

Plan Sent to OCD:	11/22/2015	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/25/2015	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	11/22/2015	Email from Cliff Brunson to Dara Glass
BLM Approval of Plan:	12/14/2015	Email from Dara Glass to Cliff Brunson

	Supporting Documentation
Initial C-141	Signed 09/21/2015
Final C-141	Signed 02/23/2016
Site Diagram	September 2015
Groundwater Plot	175'
TOPO Maps	September 2015
Lab Summary	09/16/2015-09/21/2015
Lab Analysis	09/16/2015-09/21/2015
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.

02/26/2016

District.1
1625 N. French Dr., Hobbs, NM 88240
District.H
811 S. First St., Artesia, NM 88210
District.HI
1000 Rio Bruzus Roud, Aztec, NM 87410
District.IV
1220 S. St. Francis Dr., Santa Fo, NM 87505

### 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.

			Rel	ease Notifi	catio	n and C	orrective A	Action				
	***		44. h.br.; .br)			OPERA	TOR	D	<b>∐</b> Init	ial Report		Final Repor
Name of Co		Oxy Permis		WA #			Dusty Wilson	~~~				
Facility Na		rive, Midlan Tank 33 Fe				Telephono No. (432) 685-5771 Facility Type SWD						
			ucial (/2)			racinty by	e SWD			***************************************		······································
Surface Ow	ner BL	M		Mineral (	Owner	·····	-44		APIN	o. 30-015-2	2933(	)
D-16/2010-10-10-10-10-10-10-10-10-10-10-10-10-				LOCA	OITA	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/We	st Line	County		**************************************
М	33	218	31E							Eddy Coun	ity. Ni	M
		= 0	7	Latitude N 32,4	2870°	I anaita	de <u>W 103,7897</u>	10		- territoria de la companio del companio della comp	n Lateriania	**************************************
			-			73		des.				
Type of Relea	an Denda	iced water		NAT	URE	OF RELI						· · · · · · · · · · · · · · · · · · ·
Source of Rel			end failed	due to vibration	and	Volume of Release 80 bbis Volume Recovered 70 bbis Date and Hour of Occurrence Date and Hour of Discovery						
high pressure			****			09/03/2015						
Was Immedia	te Notice G		Yes 🗖	No 🗆 Not Re	cruiead	If YES, To	Whom? her, Heather Patte	man NIA	000.0	h = 11 T = 1. =	DISA	,
By Whom?	Kathy Pur	vis, BBC Inter		THE LABORAGE	danca	Date and He				neny rucker-	BLW	***************************************
Was a Waterc	ourse Reac	hed?	1100103101		Televit offices and an		our 09/03/2015 ume Impacting t	ne Wateren	m urse.		-	
3			Yes 🗵	No								
If a Watercour	go was Imp	acted, Describ	e Fully.*		LOT THE STATE OF T			************************			***************************************	
		i.										40
Describe Cause	CD1-1	1 m +					A					
Describe Causi	e or Prodict	n and Remedi	al Action	iaken."								į
The steel coup	ler on the w	rell head falled	due to hi	gh pressure and v	ibration	causing 80 b	bls of produced v	vater to lea	k onto t	he ground. A	vacu	um truck
recovered 70 b	hls of produ	iced water and	d the coup	ler was replaced.								
Describe Aren	Affected an	d Clennup Ac	tion Take	) *	ARREST AND THE PARTY OF	······································						
•												
The affected area is approximately 85' x 46' on location. Remediation will be completed in accordance with a remediation plan approved to BLM.						by N	MOCD and					
												Ì
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and						es and						
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability						langer						
anoung meir obt	ranons nay	e lanco to ade	countely in	vestigate and ren	acdinic o	contamination	that nose a three	t to orround	water	curface uniter	herry	an koalil.
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local Jaws and/or regulations.						other						
rederat, state, or	local laws	and/or regula	ons.	7			OIL CONG	77777	> < > > Y			
	-/ /		//				OIL CONSI	ERVAT	T NOT	NOISION		1
Signature:	ferty,	1	<u></u>									1
Printed Name	Dusty Wi	Ison			Ap	proved by En	vironmental Spen	cialist:				
		1			71.	1,000			· · · · · ·			
Title: Environ	mental Adv	vadí,			- AP	proval Date:		<u>l Expir</u>	ation Di	ite:		
E-mail Address:	Dusty V	Vilson@oxy.c	om		_ Co	nditions of A	oproval:		•		-	
9/1	1/15		DI	(435) CDA POP.					1	Attached [	J	
Onte: 9/2				(432) 685-5771								

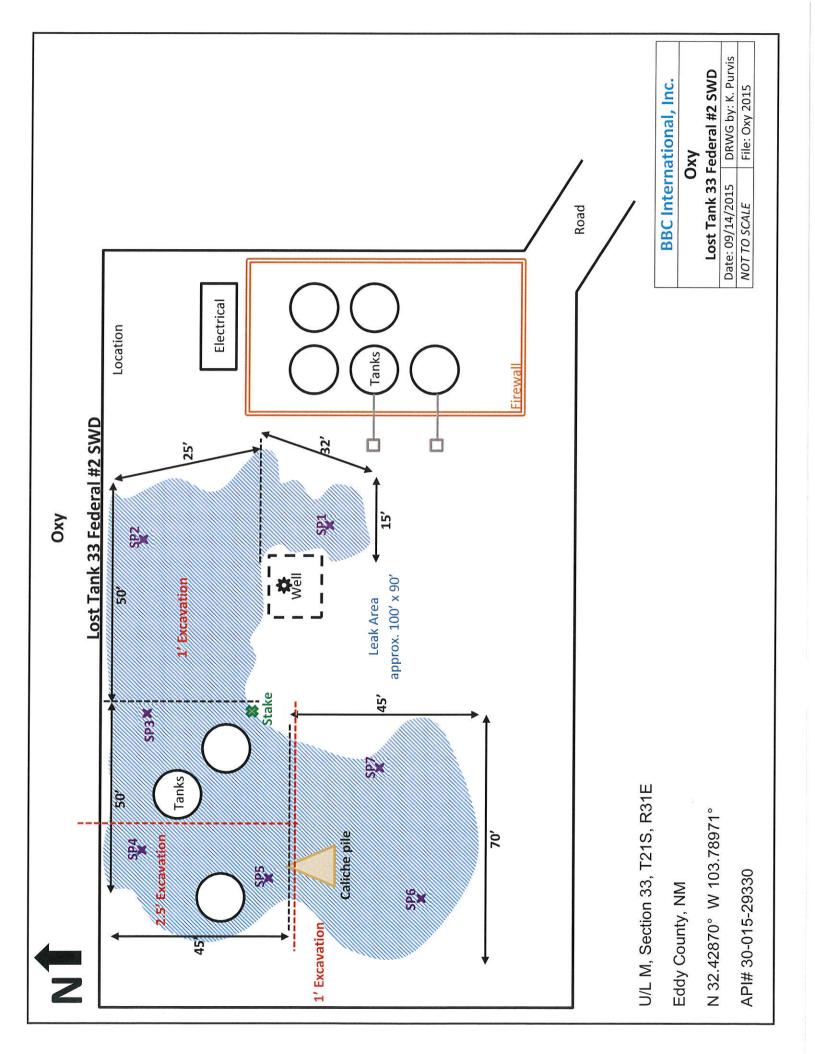
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

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.

			Kei	ease Notine	cation	n and Co	orrective A	ction				
						<b>OPERA</b>	TOR		Initi	al Report	$\boxtimes$	Final Repor
Name of Co		Oxy Permia				Contact C	Casey Summers					
		rive, Midland				Telephone l		-8289			300000	
Facility Na	ne Lost	Tank 33 Fee	deral #2	SWD		Facility Typ	e SWD					
Surface Ow	ner BLI	M		Mineral (	)wner				API No	. 30-015-	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	***************************************	
M	33	218	31E							Eddy Cou	ntv. Ni	М
				Latitude N 32.4	2870°	Longitu	de W 103.7897	10				,-
				TO SHOW THE PROPERTY OF THE PARTY OF THE PAR		OF RELI						
Type of Rele	ase Produ	iced water		NAI	OKE		Release 80 bbls	l v	olume I	Recovered	70 bb	ls
Source of Re	lease Cou	pler on well h	nead faile	d due to vibration	and		our of Occurrenc			Hour of Dis		
high pressure		2' 0				09/03/2015						
Was Immedia	ite Notice C		Yes [	No Not Re	equired	If YES, To Mike Brate	Whom? her, Heather Patte	erson- NM	OCD; S	helly Tucke	r- BLN	1
By Whom?	Kathy Pur	vis, BBC Inte	rnational			Date and H	our 09/03/2015	@ 5:03 p	m			
Was a Water	Was a Watercourse Reached?  ☐ Yes ☒ No						lume Impacting tl					
			AVOIONES.	- NEW COTTONNESS								
If a Watercourse was Impacted, Describe Fully.*												
, -	* *											
Describe Cau	£Dbl-	on J Dans a	1:_1 A _+:	. T-1 *								
Describe Caus	se of Proble	and Remec	nai Actioi	i iaken."								
				nigh pressure and		causing 80 1	obls of produced	water to le	ak onto 1	the ground.	A vacu	aum truck
recovered 70	obls of proc	luced water ar	nd the cou	pler was replaced.	•	83						
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*								
	Describe Area Affected and Cleanup Action Taken.*  The affected area is approximately 85' x 40' on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher											
of NMOCD v	rea is appro	oximately 85'	x 40' on l	ocation, Remedia	tion was	s completed i	n accordance with	the remed	liation p	lan approve	d by M	like Bratcher
of thirdeb v	of NMOCD via email on 11/25/2015 and approved by Dara Glass of the BLM via email on 12/14/2015.											
I hereby certif	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger											
regulations all	operators a	re required to	report an	d/or file certain re e of a C-141 repor	lease no	tifications an	d perform correct	ive actions	for rele	ases which	may en	danger
should their or	perations ha	ive failed to a	dequately	investigate and re	mediate	contaminatio	n that pose a thre	at to group	id water.	surface wa	ator of ter. hur	man health
or the environ	should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment I n addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other											
federal, state,	federal, state, or local laws and/or regulations.											
	OIL CONSERVATION DIVISION											
Signature:	W											
Printed Name:	Casey S	ummers			A	pproved by I	Environmental Sp	ecialist:				
Title: NM E	invironment	tal Advisor			A	pproval Date	:	Ехр	iration I	Date:		
E-mail Addres		Summers@o	VV com	200 W 2000		onditions of					340.00	
			лу.сош	487.45		onditions of a	-трргочаг:			Attached		
Date: 2	23-1	6	Phone:	(575) 513-828	39							
Attach Additi	Attach Additional Sheets If Necessary											





### **Groundwater Plot**

### Oxy Lost Tank 33 Federal #2 SWD

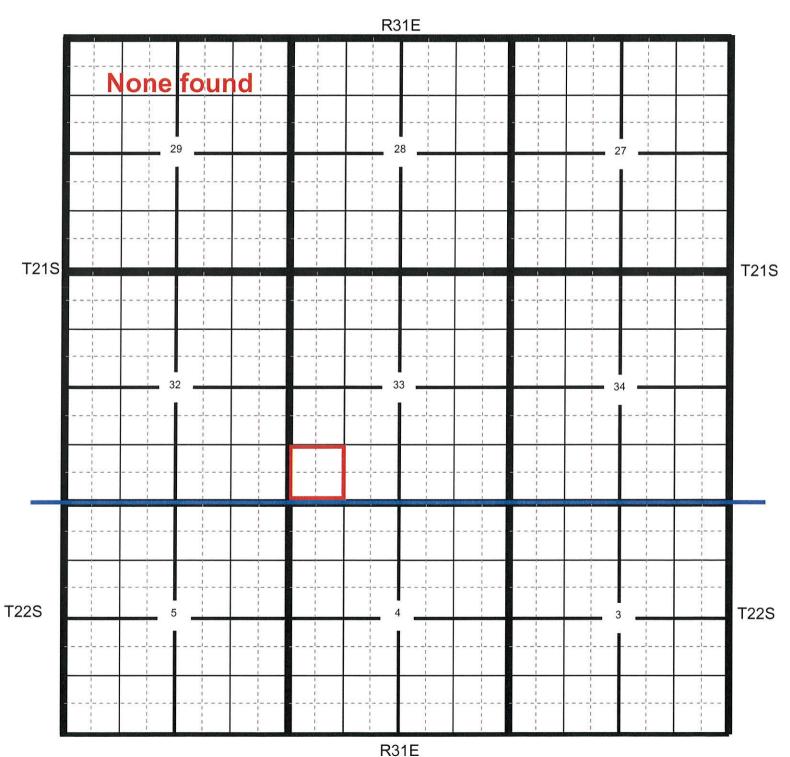
County Eddy Unit Letter M Section 33

Township 21S Range 31E

Trend Map 175'

Location

OCD



USGS

• SEO

All Databases



### Section Quarters

### Oxy Lost Tank 33 Federal #2 SWD

County Eddy *Unit Letter* M

Section 33 Township 21S Range 31E

Trend Map 175'

1

2

NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NEZSE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Location

OCD

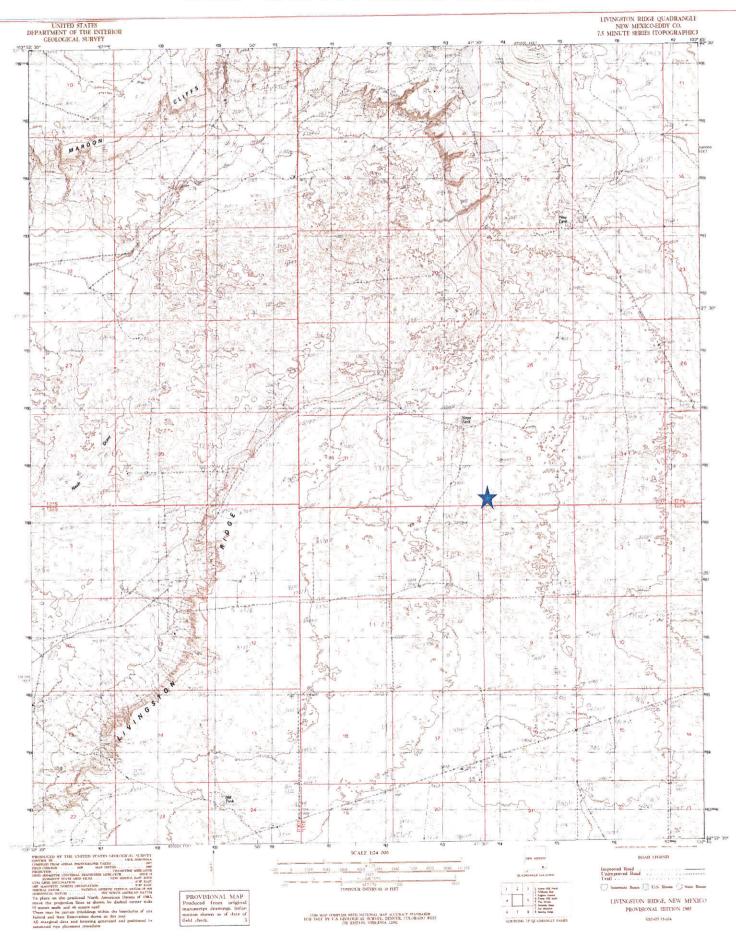
USGS

SEO

All Databases

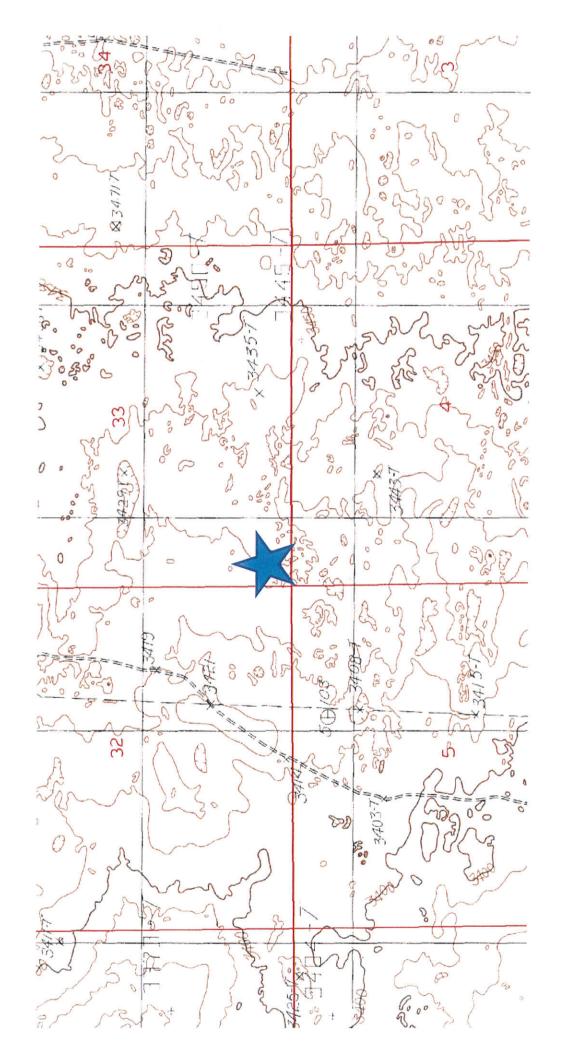
### Оху

### Lost Tank 33 Federal #2 SWD



Oxy

# Lost Tank 33 Federal #2 SWD



### Laboratory Analytical Results Summary Lost Tank 33 Federal #2 SWD

		Sample	SP1@	SP1 @ 1'	SP1 @ 2"	SP1 @ 3.	SP1 @ 4"	SP1 @ 5'	.9 @ t-dS	SP1 @ 7'
Analyte	Method	Date	9/18/15	9/18/15	SHAME	0/48/45	Organia	Seigero	Telegrico.	)
and and	2000	Date	21010	61010	6110118	CI/OI/A	61/01/9	61/01/9	9/16/15	9/16/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		26000	544	848	752	929	368	<16.0	<16.0
			Section of the section of							
		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3*	SP2 @ 4*	SP2 @ 5	SP2 @ 6'	
Analyte	Method	Date	9/16/15	9/16/15	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ma/Ka	
Chloride	SM4500CI-B		25200	608	880	672	320	16	<16.0	
										28
		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3.	SP3 @ 4*	SP3 @ 5.		
Analyte	Method	Date	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15	9/17/15		
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		
Chloride	SM4500CI-B	-	26400	720	528	304	16	<16.0		
		Sample	SP4 @ SURFACE	SP4 @ 1	SP4 @ 2'	SP4 @ 3.	SP4 @ 4"	SP4 @ 5'	SP4 @ 6'	
Analyte	Method	Date	9/17/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ma/Ka	
Chloride	SM4500CI-B		37600	12000	4400	800	576	<16.0	<16.0	
		Sample	SP5@ SURFACE	SP5@1	SP5 @ 2'	SP5 @ 3'	SP5 @ 4"	SP5 @ 5'	SP5 @ 6'	
Analyte	Method	Date	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	9/18/15	
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Chloride	SM4500CI-B	-	38000	20000	4560	992	260	<16.0	<16.0	
		Sample	SP6@ SURFACE	SP6 @ 1"	SP6 @ 2"	.E @ 9dS	SP6 @ 4"			
Analyte	Method	Date	9/18/15	9/21/15	9/21/15	9/21/15	9/21/15			
			mg/Kg	mg/Kg	mg/Kg	ву/вш	mg/Kg			
Chloride	SM4500CI-B		38000	1120	592	256	160			
		Sample	SP7 @	SP7 @ 1'	SP7 @ 2"	SP7 @ 3'	SP7 @ 4"			
Analyte	Method	Date	9/21/15	9/21/15	9/21/15	9/21/15	9/21/15			
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg			
Chloride	SM4500CI-B		27200	688	352	240	80			



September 29, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 33 FEDERAL #2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/22/15 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

Celeg D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Received:

09/22/2015

Sampling Date:

09/16/2015

Reported:

Sampling Type:

Soil

Project Name:

09/29/2015

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

### Sample ID: SP 1 @ SURFACE (H502498-01)

SM4500CI-B

### mg/kg

### Analyzed By: HM

Analyte

Chloride

Chloride

Result

26000

Result

544

Result

848

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 09/24/2015 Method Blank ND

Method Blank

ND

BS % Recovery 432

BS

432

BS

432

108

108

True Value QC

400

400

RPD

3.77

RPD

Qualifier

### Sample ID: SP 1 @ 1' (H502498-02)

Analyte

Chloride, SM4500CI-B	mg/kg

### Analyzed By: HM

Analyzed

09/24/2015

% Recovery True Value QC Qualifier

3.77

### Sample ID: SP 1 @ 2' (H502498-03)

### Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte Chloride

Reporting Limit 16.0

Analyzed 09/24/2015 Method Blank ND

% Recovery

108

108

True Value QC

400

RPD 3.77 Qualifier

### Sample ID: SP 1 @ 3' (H502498-04)

### Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

	Analyte
Chloride	

Result 752

Reporting Limit Analyzed 16.0 09/24/2015

Method Blank

ND

BS % Recovery 432

True Value QC 400

RPD 3.77

Qualifier

### 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. 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 subsidiaries, affiliates or successors arising 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 Laboratories.





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

Fax To:

(575) 397-0397

Received:

09/22/2015

Sampling Date:

09/16/2015

Sampling Type:

Soil

Reported:

09/29/2015

Cool & Intact

Project Name:

LOST TANK 33 FEDERAL #2 SWD NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

Project Location:

EDDY COUNTY, NM

Sample ID: SP 1 @ 4' (H502498-05)

Ch	loride	e, Si	4450	)0C	I-E

m	١g	1/	ŀ

### Analyzed By: HM

Analyte

Result

Reporting Limit 16.0

Analyzed 09/24/2015 Method Blank

BS

% Recovery

True Value QC 400

RPD Qualifier

Chloride

656

ND

432

108

3,77

Sample ID: SP 1 @ 5' (H502498-06)

Chlorida	SM4500CI-B	
Cilionae,	コーキンしして ーロ	

Analyte

Analyte

Analyte

Analyte

OOCI-B	mg/kg

Analyzed By: HM

True Value QC

400

Chloride

Result

368

Reporting Limit Analyzed 16.0 09/24/2015 Method Blank ND

432

BS

108

% Recovery

RPD 3.77

RPD

7.41

Qualifier

Sample ID: SP 1 @ 6' (H502498-07)

### Chloride, SM4500CI-B

	Analyzed	Ву:	Н
imit	Analyzed	Me	th

M

% Recovery

True Value QC

400

Qualifier

Chloride

Result <16.0

16.0 09/25/2015 Method Blank ND

BS 448

112

Sample ID: SP 1 @ 7' (H502498-08)

### Chloride, SM4500CI-B

### mg/kg

mg/kg

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

Method Blank

BS

% Recovery

True Value QC

400

RPD

Qualifier

Chloride

Chloride

Result

25200

Result

<16.0

Analyzed

09/25/2015

Analyzed

09/25/2015

ND

Method Blank

ND

448

112

7.41

### Sample ID: SP 2 @ SURFACE (H502498-09)

### Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

BS

448

% Recovery

112

True Value QC

400

RPD

7.41

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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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:

09/22/2015

Sampling Date:

09/16/2015

Reported:

Sampling Type:

Soil

09/29/2015

Sampling Condition:

Project Name: Project Number: LOST TANK 33 FEDERAL #2 SWD NONE GIVEN

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 1' (H502498-10)

Chloride.	SM4500CI-B
cinoriac,	3117300CI D

### mg/kg

### Analyzed By: HM

Analyte

Result

608

Reporting Limit 16.0

Analyzed 09/25/2015

Analyzed

Method Blank ND

448

BS

BS

% Recovery True Value QC

RPD 7.41 Qualifier

Sample ID: SP 2 @ 2' (H502498-11)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

Analyte

mg/kg Reporting Limit

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

112

% Recovery

112

Chloride

Chloride

Result 880

16.0 09/25/2015 Method Blank ND

448

400

True Value QC

400

Qualifier

7.41

RPD

Sample ID: SP 2 @ 3' (H502498-12)

Chloride, SM4500CI-B

Analyzed By: HM

% Recovery

True Value QC

400

RPD

7.41

Qualifier

Chloride

Result 672

Result

320

Result

16.0

16.0 09/25/2015 Method Blank ND

BS 448

BS

448

BS

448

112

Sample ID: SP 2 @ 4' (H502498-13)

Chloride, SM4500CI-B

mg/kg

mg/kg

Analyzed

09/25/2015

Analyzed

09/25/2015

Analyzed

Analyzed By: HM

ND

Method Blank

ND

Method Blank

% Recovery

True Value QC

RPD

7.41

7.41

Qualifier

Chloride

Sample ID: SP 2 @ 5' (H502498-14)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

% Recovery

112

112

True Value QC

400

400

RPD Qualifier

Chloride

Cardinal Laboratories

\*=Accredited Analyte

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Celen treene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 17



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

(575) 397-0397 Fax To:

Received:

09/22/2015

Sampling Date:

09/17/2015

Reported:

09/29/2015

Sampling Type:

Soil

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

16.0

Reporting Limit

16.0

Sample Received By:

BS

BS

448

BS

448

448

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 2 @ 6' (H502498-15)

Ch	lorio	de,	SM	45	00C	I-B
		,	٠.			

m	g	/	k

<16.0

Result

26400

### Analyzed By: CK

Analyte

Chloride

Chloride

Chloride

Chloride

Result Reporting Limit

Analyzed

09/25/2015

ND

Method Blank

Method Blank

ND

448 112

% Recovery

% Recovery

112

True Value QC

400

True Value QC

400

400

400

RPD Qualifier

Sample ID: SP 3 @ SURFACE (H502498-16)

Chloride, SM4500CI-B

Analyte

Analyzed By: CK

Analyzed

09/25/2015

7.41

Sample ID: SP 3 @ 1' (H502498-17) Chloride, SM4500Cl-B

### Analyzed By: CK

Analyte

Result Reporting Limit Analyzed 16.0

Method Blank

ND

% Recovery

112

112

True Value QC RPD

Qualifier

Qualifier

7.41

RPD

7.41

Sample ID: SP 3 @ 2' (H502498-18)

Chloride, SM4500CI-B

Analyte

mg/kg

mg/kg

Analyzed By: CK

Result

528

720

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 09/25/2015

Analyzed

09/25/2015

09/25/2015

Method Blank ND

ND

BS

% Recovery True Value QC

RPD 7.41

Qualifier

Sample ID: SP 3 @ 3' (H502498-19)

### Chloride, SM4500CI-B

### mg/kg

### Analyzed By: CK

	Analyte	Result
Chloride		304

Method Blank

BS % Recovery 448 112

True Value QC 400

RPD

7.41

Qualifier

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BBC International, Inc.

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

Fax To:

(575) 397-0397

Received:

09/22/2015

Sampling Date:

09/17/2015

Reported:

09/29/2015

Sampling Type:

Soil

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

. NONE GIVE

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: SP 3 @ 4' (H502498-20)

Chlori	de,	<b>SM45</b>	00	CI-	E
--------	-----	-------------	----	-----	---

### mg/kg

### Analyzed By: CK

		,							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2015	ND	448	112	400	7.41	

### Sample ID: SP 3 @ 5' (H502498-21)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					9
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	448	112	400	7.41	

### Sample ID: SP 4 @ SURFACE (H502498-22)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	09/25/2015	ND	448	112	400	7.41	

### Sample ID: SP 4 @ 1' (H502498-23)

Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	09/25/2015	ND	448	112	400	7.41	

### Sample ID: SP 4 @ 2' (H502498-24)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	09/25/2015	ND	448	112	400	7.41	

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Celeg & Keens

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:

09/22/2015

Sampling Date:

09/18/2015

Reported:

09/29/2015

Sampling Type:

Soil

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

### Sample ID: SP 4 @ 3' (H502498-25)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/25/2015	ND	448	112	400	7.41	
Sample ID: SP 4 @ 4' (H502	2498-26)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/25/2015	ND	448	112	400	7.41	
Sample ID: SP 4 @ 5' (H502	2498-27)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK		is a			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 4 @ 6' (H502	2498-28)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 5 @ SURFAC	E (H502498	-29)							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	09/25/2015	ND	464	116	400	3.51	

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Fax To:

(575) 397-0397

Received:

09/22/2015

Sampling Date:

09/18/2015

Reported:

00/22/2015

Sampling Type:

Soil

Reported:

09/29/2015

Sampling Type.

0 10

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

### Sample ID: SP 5 @ 1' (H502498-30)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 5 @ 2' (H50	02498-31)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 5 @ 3' (H50	(5)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 5 @ 4' (H50	)2498-33)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 5 @ 5' (H50	02498-34)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	

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Celeg to Kuna



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

Fax To:

(575) 397-0397

Analyzed By: CK

Received:

Chloride, SM4500CI-B

09/22/2015

Sampling Date:

09/18/2015

Reported:

Sampling Type:

Soil

09/29/2015

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

mg/kg

Sample Received By:

Jodi Henson

### Sample ID: SP 5 @ 6' (H502498-35)

cinoriac, orrisodor b	9	,9	7 ti idi y = 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 6 @ SURF#	ACE (H502498	-36)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 6 @ 1' (H5	02498-37)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 6 @ 2' (H5	02498-38)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/25/2015	ND	464	116	400	3.51	
Sample ID: SP 6 @ 3' (H5	02498-39)								
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/25/2015	ND	464	116	400	3.51	

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Celent Kune



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

Fax To:

(575) 397-0397

Received:

09/22/2015

Sampling Date:

09/21/2015

Reported:

Sampling Type:

Soil

09/29/2015

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 4' (H502498-40)

Chloride, SM4500CI-B

mg/kg

Analyzed By: CK

Analyte

Result

Reporting Limit

Analyzed

Method Blank

BS 464 True Value QC

Qualifier

RPD

3.51

RPD

3.51

Chloride

160

16.0

09/25/2015

ND

116

400

Sample ID: SP 7 @ SURFACE (H502498-41)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

Analyzed By: CK

% Recovery

% Recovery

Chloride

Result

Reporting Limit

Analyzed

Method Blank

BS

116

True Value QC

Qualifier

27200

16.0

09/25/2015

ND

464

400

Sample ID: SP 7 @ 1' (H502498-42)

Chloride, SM4500CI-B

mg/kg

Analyzed By: CK

Method Blank

RPD

Qualifier

Chloride

Chloride

Chloride

Result 688

16.0 09/25/2015

BS

% Recovery

True Value QC 400

Result

352

Result

240

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

ND

464

116

3.51

Sample ID: SP 7 @ 2' (H502498-43)

Chloride, SM4500CI-B

mg/kg

Analyzed By: CK Analyzed

09/25/2015

09/25/2015

Analyzed

Method Blank

ND

BS

% Recovery

True Value QC

RPD

Qualifier

mg/kg

Analyzed By: CK

ND

BS

464

464

116

116

400

3.51

3.51

Sample ID: SP 7 @ 3' (H502498-44)

Chloride, SM4500CI-B

Analyzed

Method Blank

% Recovery

True Value QC

400

RPD Qualifier

Cardinal Laboratories

Analyte

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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:

09/22/2015

Sampling Date:

09/21/2015

Reported:

09/29/2015

Sampling Type:

Soil

Project Name:

LOST TANK 33 FEDERAL #2 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

### Sample ID: SP 7 @ 4' (H502498-45)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2015	ND	464	116	400	3.51	

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Clay to Kiene



### **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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Celeg & Frene



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

Company Name:	Company Name: BBC International, Inc.		פורל צם	ANALYSIS REQUEST
Project Manager:	: Cliff Brunson		P.O. #:	
Address: P.O. Box 805	Box 805	од достава достава достава достава достава достава на пред напада достава дост	Company: JUSTUW SW	
city: Hobbs	State: NM	1 Zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:	
Project #:	Project Owner: Oxy	ner: Oxy	City:	
Project Name: L	Project Name: Lost Tank 33 Federal #2 SWD		State: Zip:	
Project Location:	Eddy County, NM		#	
Sampler Name:	Jeff Ornelas	от вы вышения от из литей и и интерфиру дерену до дерену дерену дерену дерену дерену дерену дерену дерену дере	Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	
Lab I.D.	Sample I.D.	WATER		
H502498		(G)RAB # CONTA GROUNI WASTEV SOIL OIL SLUDGE	OTHER: ACID/BA ACID/BA ICE / CO OTHER: DATE TIME	
	SP1 @ SURFACE	-	7	
	SP1 @ 1'	6-	√ 9/16/15 1:00 PM ✓	
W.	SP1 @ 2'	61	9/16/15 1:11 PM 🗸	
	SP1@3'	-	9/16/15 1:30 PM 🗸	
C	SP1 @ 4'	- - -	9/16/15 1:50 PM 🗸	
	SP1 @ 5'	6 - 7	9/16/15 2:09 PM 🗸	
-	SP1 @ 6'	0	9/16/15 2:15 PM 🗸	
8	SP1 @ 7'	の - く	9/16/15 2:37 PM 🗸	
CONTRACTOR OF THE PARTY.	SP2 @ SURFACE	6 1 7	9/16/15 3:00 PM 🗸	
Ö	SP2 @ 1'	6 - 7	✓ 9/16/15 3:15 PM ✓	MENTAL THE CONTRACT OF THE CON
PLEASE NOTE: Liability and	d Damages. Cardinal's liability and client's exclusive remedy	for any claim arising whether based in contra	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-3938476

Cool Intact
Ores Ores
No O No

Sampler - UPS - Bus - Other: Delivered By: (Circle One Relinquished By:

Relinquished By:

Phone Result:
Fax Result:
REMARKS:

☐ Yes ☐ No Add'l Phone #:

Page 13 of 17



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

Company Name	Company Name: BBC International, Inc.		BIL	נהש		ANALYSIS R	REQUEST
Project Manager:	: Cliff Brunson		P.O. #:				
Address: P.O. Box 805	Box 805		Company:	W/VIND	9		
city: Hobbs	State: NM	Zip: 88241	Attn:	(	\		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		CONTROL MARKET		
Project #:	Project Owner: Oxy		City:				
Project Name: L	Project Name: Lost Tank 33 Federal #2 SWD			Zip:			
Project Location:	<sub>l:</sub> Eddy County, NM		Phone #:				
Sampler Name:	Jeff Ornelas		Fax #:				
FOR LAB USE ONLY		MATRIX	PRESERV	SAMPLING			
Lab I.D.	Sample I.D.	DGE	IER : D/BASE: / COOL ER :		21		
-	SP2 @ 2'	_	< I	9/17/15 3:33 PM	33 PM 🗸		
12	SP2 @ 3'	\ - \	ζ 99	9/17/15 8:39 AM	AM		
び	SP2 @ 4'	ر د	ζ,	9/17/15 9:15 AM	AM <		
2	SP2 @ 5'	0 - 2	(	9/17/15 9:48 AM	AM <		
ro To	SP2 @ 6'	6	<u>\</u>	9/17/15 10:22 AM	2 AM		
	SP3 @ SURFACE	G - -	ζ (0)	9/17/15 11:09 AM	AM C		
77	SP3 @ 1'	5	ζ,		AM		
	SP3 @ 2'	5	′	9/17/15 1:39 PM	PM <		
19	SP3 @ 3'	6 =	<u></u>	9/17/15 2:15 PM	PM <		
8	SP3 @ 4'	61 1	\ \ 9	9/17/15 2:45 PM	PM 🗸		
PLEASE NOTE: Liability an	PLEASE NOTE: Liability and Damages, Cardinar'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	ny claim arising whether based in contract of	or tart, shall be limited to I	he amount paid by the	client for the		

Relinquished By: Relinquished By: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Time: Dow Received By: Cool Intact
Ves P Yes
No No Phone Result:
Fax Result:
REMARKS:

☐ Yes☐ Yes

□ □ No

Add'l Phone #: Add'l Fax #:

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

Page 14 of 17



(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: YCMW S	<u>S</u>	
City: Hobbs State: NM	Zip: 88241	1		
Phone #: 575-397-6388 Fax #: 575	575-397-0397	Address:	-	
Project #: Project Owner: Oxy	r: Oxy	City:	***************************************	
Project Name: Lost Tank 33 Federal #2 SWD		State: Zip:	Application of the second seco	
Project Location: Eddy County, NM		Phone #:	Annual	
Sampler Name: Jeff Ornelas		Fax #:	and the second s	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
	ERS ATER			
H501498	(G)RAB OF # CONTAI GROUND! WASTEW/ SOIL OIL SLUDGE	OTHER: ACID/BAS ICE / COO OTHER:	CI	
<b>91</b> SP3 @ 5'	_	<	PM ✓	
37 SP4 @ SURFACE	6	9/17/15 3:33 PM	PM <	
SP4 @ 1'	6 - 4	9/18/15 9:00 AM	AM <	
34 SP4 @ 2'	G -	9/18/15 9:33 AM	AM <	оператору (перашан) в папада дополно оператору (ператору) по ператору (ператору) по ператор
35 SP4 @ 3'	の - -	9/18/15 10:1	10:15 AM 🗸	
<b>%</b> SP4 @ 4'	6 - 2	9/18/15 10:5	10:56 AM ✓	
-	<u></u>	9/18/15 11:2	11:27 AM 🗸	THE STREET OF THE PARTY OF THE
SP4 @ 6'	0 -	9/18/15 12:0	12:05 PM 🗸	
39 SP5 @ SURFACE	0	√ 9/18/15 1:11 PM	PM <	Transmitter of the second control of the sec
30 SP5 @ 1'	6	9/18/15 1:39 PM	PM ✓	CONTROL OF THE PARTY OF T
ly ar	any claim arising whether based in contract deemed waived unless made in writing an	or fort, shall be limited to the amount paid by the	client for the	

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

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Cool Intact
Wes Pyes

Phone Result: Fax Result: REMARKS:

☐ Yes ☐ No Add'I Phone #:

Sampler - UPS - Bus - Other:

Delivered By

(Circle Cae)

Page 15 of 17



Company Name: BBC International, Inc.	Ω.	84.71/S	#2 40 #2 40 #2 40 #2 40 #4	ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	<del>/</del>	
Address: P.O. Box 805		Company: JUSM W1		
City: Hobbs Sta	State: NM Zip: 88241	Attn:		
Phone #: 575-397-6388 Fax #:	#: 575-397-0397	Address:		
Project #: Pro	Project Owner: Oxy	City:	And the state of t	
ame: Lost Tank 33 Federal	SWD	State: Zip:	45	
Project Location: Eddy County, NM		Phone #:	AND TO THE PARTY OF THE PARTY O	
Sampler Name: Jeff Ornelas		Fax #:		
FOR LAB USE ONLY		PRESERV. SAMPLING	The second secon	
Lab I.D. Sample I.D.	G)RAB OR (C)OI CONTAINERS GROUNDWATER VASTEWATER OIL OIL LUDGE	OTHER: CID/BASE: DE/COOL OTHER:	C/	
<b>31</b> SP5 @ 2'	<u>-</u>	9/18/15	2:15 PM 🗸	
3 SP5 @ 3'	<u> </u>	9/18/15 2:4	2:48 PM /	
33 SP5 @ 4'	7	9/18/15 3:3	3:30 PM 🗸	
34 SP5 @ 5'	- 0	9/18/15 3:4	3:45 PM 🗸	
35 SP5 @ 6'	6 - 4	9/18/15 3:5	3:54 PM 🗸	
36 SP6 @ SURFACE	<u> 6</u> <u> 三</u> <u> </u>	9/18/15 3:5	3:55 PM 🗸	
37 SP6 @ 1'	0	9/21/15 8:1	8:19 AM 🗸	
38 SP6 @ 2'	の - - -	9/21/15 8:3	8:39 AM 🗸	
39 SP6 @ 3'	6	9/21/15 9:3	9:30 AM 🗸	
W SP6 @ 4'		9/21/15 10:	10:00 AM 🗸	
PLEASE NOTE: Leability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatboovers shall be determed whived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no sevent shall Cardinal be liable for incliental or consequential damages, including without limitation, business interruptions, loss of use, or itses of profils incurred by client, its subsidiaries, affiliates or supresserves services of the resident of the conformation of the subsidiaries.	ages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the for regispence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the arise for regispence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the arise for consequential damages, including whether the product of the arise for the ar	not or tort, shall be limited to the amount paid by and received by Cardinal within 30 days after connot received by Cardinal within 30 days after constant of the control	the client for the applicable philosophic applicable to the applic	
hed By:	Received By:	Range Ph	Phone Result: ☐ Yes ☐ No Fax Result: ☐ Yes ☐ No	o Add'l Phone #: o Add'l Fax #:
1 S F	0)0~	R	E	
Relinquished By:	Received By:	denson		
Delivered By: (Circle One)		ition CHECKED BY:		
Sampler - UPS - Bus - Other:	5.62 Pres Pres			



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

Company Name: BBC International, Inc.	8/L 7/18		ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	_	
Address: P.O. Box 805	Company USA	NI SIM	
City: Hobbs State: NM	Zip: 88241		
5-397-6388 Fax #:	Ċ1		
Project #: Project Owner: Oxy	wner: Oxy City:		
Project Name: Lost Tank 33 Federal #2 SWD	State: Zip:		
Project Location: Eddy County, NM	Phone #:		
Sampler Name: Jeff Ornelas	Fax #:		
FOR LAB USE ONLY	MATRIX PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	
4) SP7 @ SURFACE	_	5 10:37 AM 🗸	
43 SP7 @ 1'	611 4 9/21/15	5 11:00 AM 🗸	
43 SP7 @ 2'	6 1	5 11:22 AM 🗸	
44 SP7 @ 3'	6 1 9/21/15	5 11:45 AM 🗸	
45 SP7 @ 4'	6 1	5 1:09 PM 🗸	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393/2476

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Sample Condition
Cool Mitact
Pes Yes
No No

Sampler - UPS - Bus - Other:

Delivered By:

(Circle One)

Relinquished By

Time: 115

Phone Result: Fax Result: REMARKS:

□ Yes

□ □ No

Add'l Phone #: Add'l Fax #:

Page 17 of 17

### **Kathy Purvis**

From:

Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent:

Wednesday, November 25, 2015 1:09 PM

To:

Cliff Brunson; Dara Glass

Cc:

Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

Shelly Tucker; Patterson, Heather, EMNRD

Subject:

RE: OXY Lost Tank 33 Federal #2 SWD - Remediation Plan

RE: OXY USA \* Lost Tank 33 Fed 2 SWD \* 30-015-29330

2RP-3291 \* Date of release: 9/3/2015

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. Federal sites will require like approval by BLM.

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 Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Sunday, November 22, 2015 6:28 PM

To: Dara Glass

Cc: Dusty Wilson; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Shelly Tucker; Bratcher, Mike,

**EMNRD** 

Subject: OXY Lost Tank 33 Federal #2 SWD - Remediation Plan

Dara,

I am sorry that we didn't get a chance to discuss this site in person on Thursday so I have attached a remediation plan packet. You will find a cover page describing the remediation plan and then a site diagram depicting the plan along with lab summaries, lab data, and other associated materials. This plan has been discussed and approved verbally by Mike Bratcher of the NMOCD and I would like to receive the BLM's approval of this plan as well.

If you would please review the plan and reply back with the BLM's approval, it would be greatly appreciated. If you have any questions, please let me know.

Mike, if you would please reply via email with your written approval as well, it would be appreciated.

### Thanks, Cliff

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

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

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No virus found in this message. Checked by AVG - www.avg.com

Version: 2015.0.6176 / Virus Database: 4460/11077 - Release Date: 11/27/15

### **Kathy Purvis**

From:

Glass, Dara <diglass@blm.gov>

Sent:

Monday, December 14, 2015 3:29 PM

To:

Cliff Brunson

Cc:

Dusty Wilson; Jennifer\_Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

Mike Bratcher

Subject:

Re: OXY Lost Tank 33 Federal #2 SWD - Remediation Plan

### Cliff,

BLM approves the remediation plan as submitted. Please let me know when you will be beginning work.

Thank you.

Dara

### Dara Glass diglass@blm.gov

Environmental Protection Specialist Bureau Of Land Management, Carlsbad Field Office Direct: 575.234.5924 Cell: 575.361.3572

The BLM approval/acceptance does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Sun, Nov 22, 2015 at 6:28 PM, Cliff Brunson < <a href="mailto:cbrunson@bbcinternational.com">cbrunson@bbcinternational.com</a>> wrote:

Dara,

I am sorry that we didn't get a chance to discuss this site in person on Thursday so I have attached a remediation plan packet. You will find a cover page describing the remediation plan and then a site diagram depicting the plan along with lab summaries, lab data, and other associated materials. This plan has been discussed and approved verbally by Mike Bratcher of the NMOCD and I would like to receive the BLM's approval of this plan as well.

If you would please review the plan and reply back with the BLM's approval, it would be greatly appreciated. If you have any questions, please let me know.

Mike, if you would please reply via email with your written approval as well, it would be appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

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

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No virus found in this message. Checked by AVG - <a href="www.avg.com">www.avg.com</a> Version: 2015.0.6176 / Virus Database: 4483/11178 - Release Date: 12/14/15

