

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 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Dusty Wilson
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(432) 685-5771
Facility Name	Lost Tank 33 Federal #2 SWD	Facility Type	SWD
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-29330

LOCATION OF RELEASE

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

Latitude N 32.42870° Longitude W 103.78971°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	80 bbls	Volume Recovered	70 bbls
Source of Release	Coupler on well head failed due to vibration and high pressure	Date and Hour of Occurrence	09/03/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/03/2015 @ 5:03 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

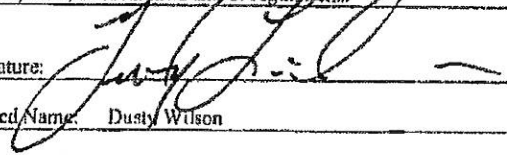
Describe Cause of Problem and Remedial Action Taken.*

The steel coupler on the well head failed due to high pressure and vibration causing 80 bbls of produced water to leak onto the ground. A vacuum truck recovered 70 bbls of produced water and the coupler was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 85' x 40' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Dusty Wilson		Approved by Environmental Specialist:	
Title: Environmental Advisor		Approval Date:	Expiration Date:
E-mail Address: Dusty.Wilson@oxy.com		Conditions of Approval:	
Date: 9/21/15		Attached <input type="checkbox"/>	
Phone: (432) 685-5771			

* Attach Additional Sheets If Necessary

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State of New Mexico
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Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Lost Tank 33 Federal #2 SWD	Facility Type	SWD
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-29330

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
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Source of Release	Coupler on well head failed due to vibration and high pressure	Date and Hour of Occurrence	09/03/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/03/2015 @ 5:03 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*


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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 via email on 11/25/2015 and approved by Dara Glass of the BLM via email on 12/14/2015.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

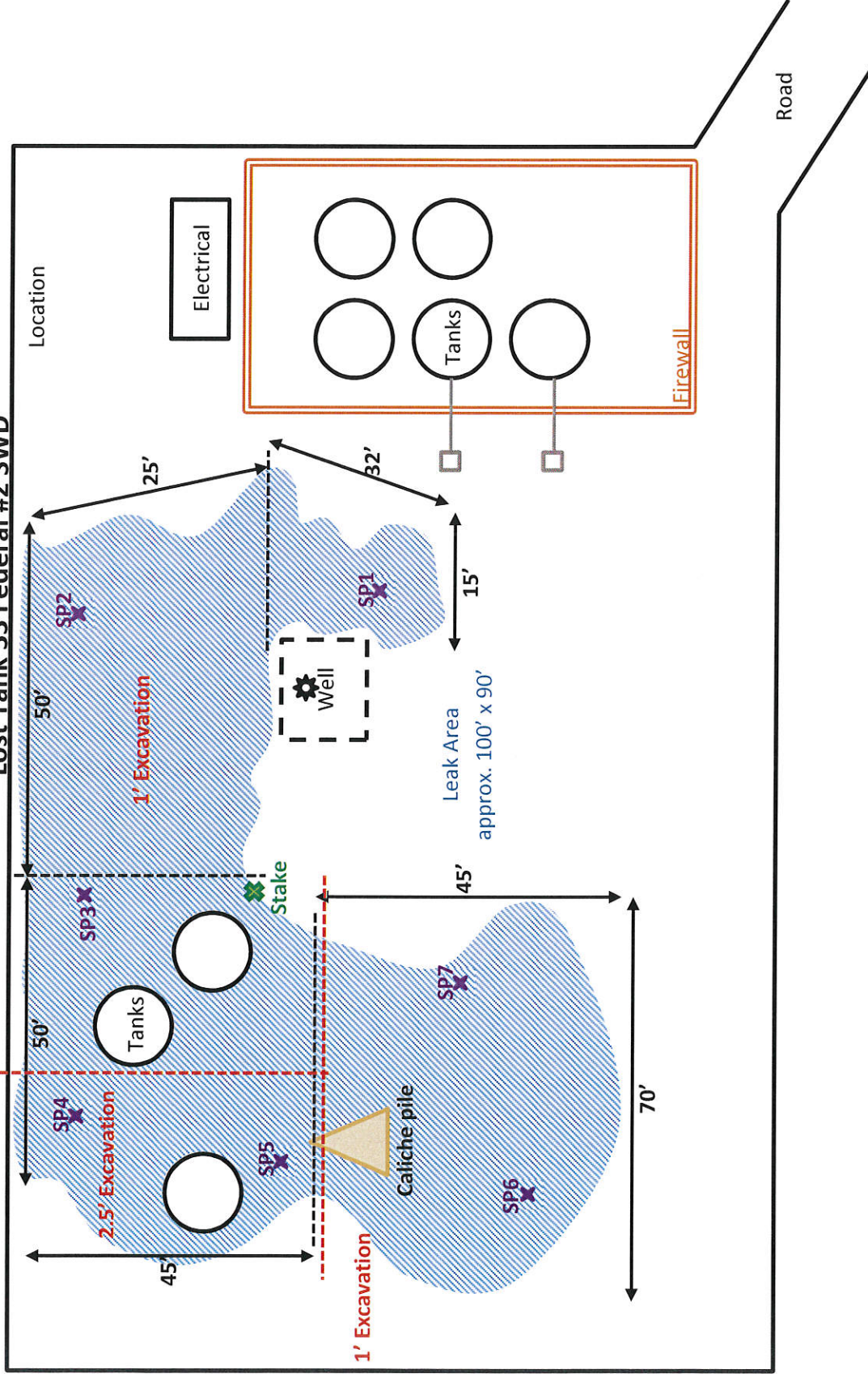
Signature: 	Approved by Environmental Specialist:		
Printed Name: Casey Summers			
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 2-23-16	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary



Oxy

Lost Tank 33 Federal #2 SWD



U/L M, Section 33, T21S, R31E

Eddy County, NM

N 32.42870° W 103.78971°

API# 30-015-29330

BBC International, Inc.

Oxy

Lost Tank 33 Federal #2 SWD

Date: 09/14/2015 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2015

Range
31E

- All Databases

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	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

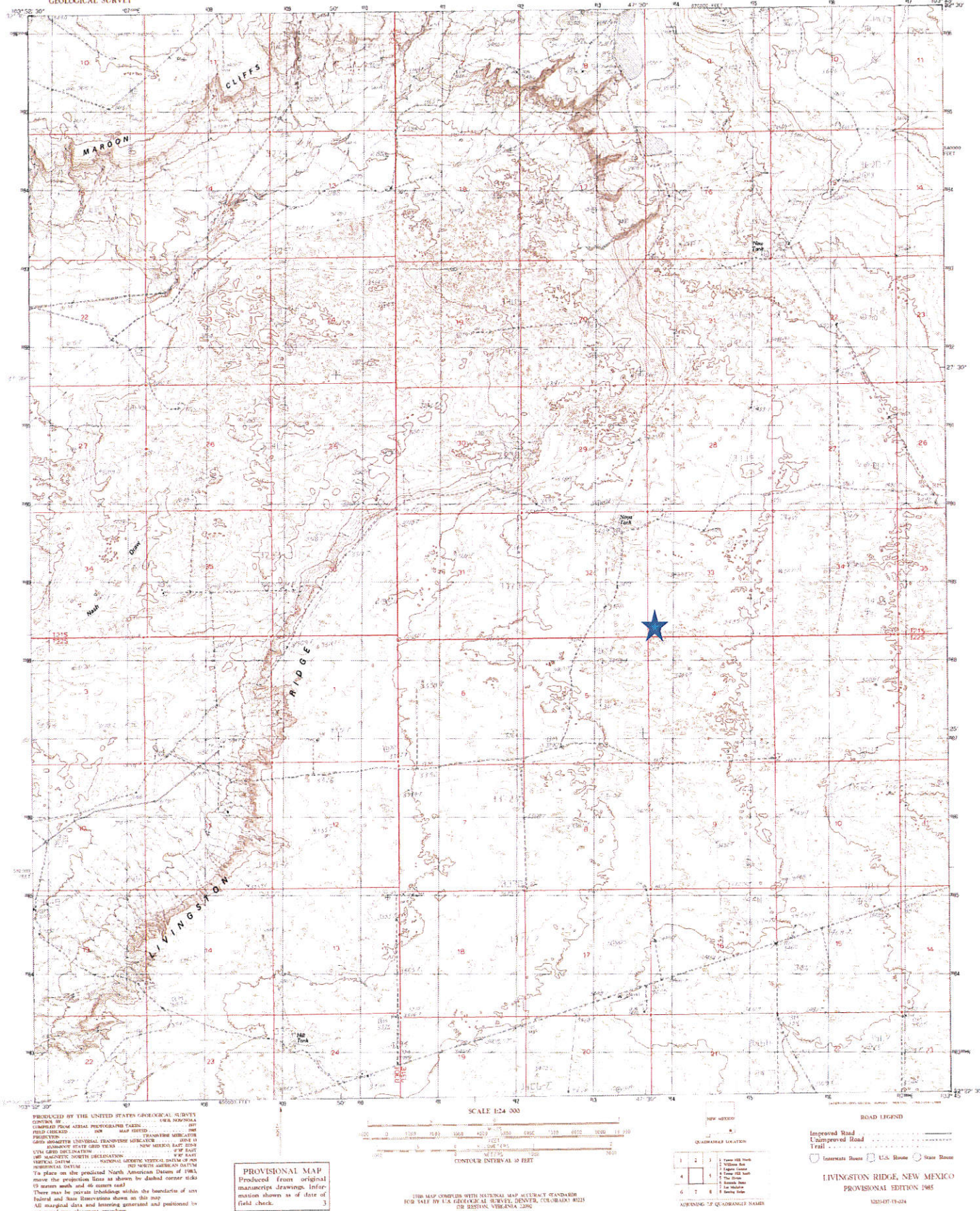
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4

Lost Tank 33 Federal #2 SWD

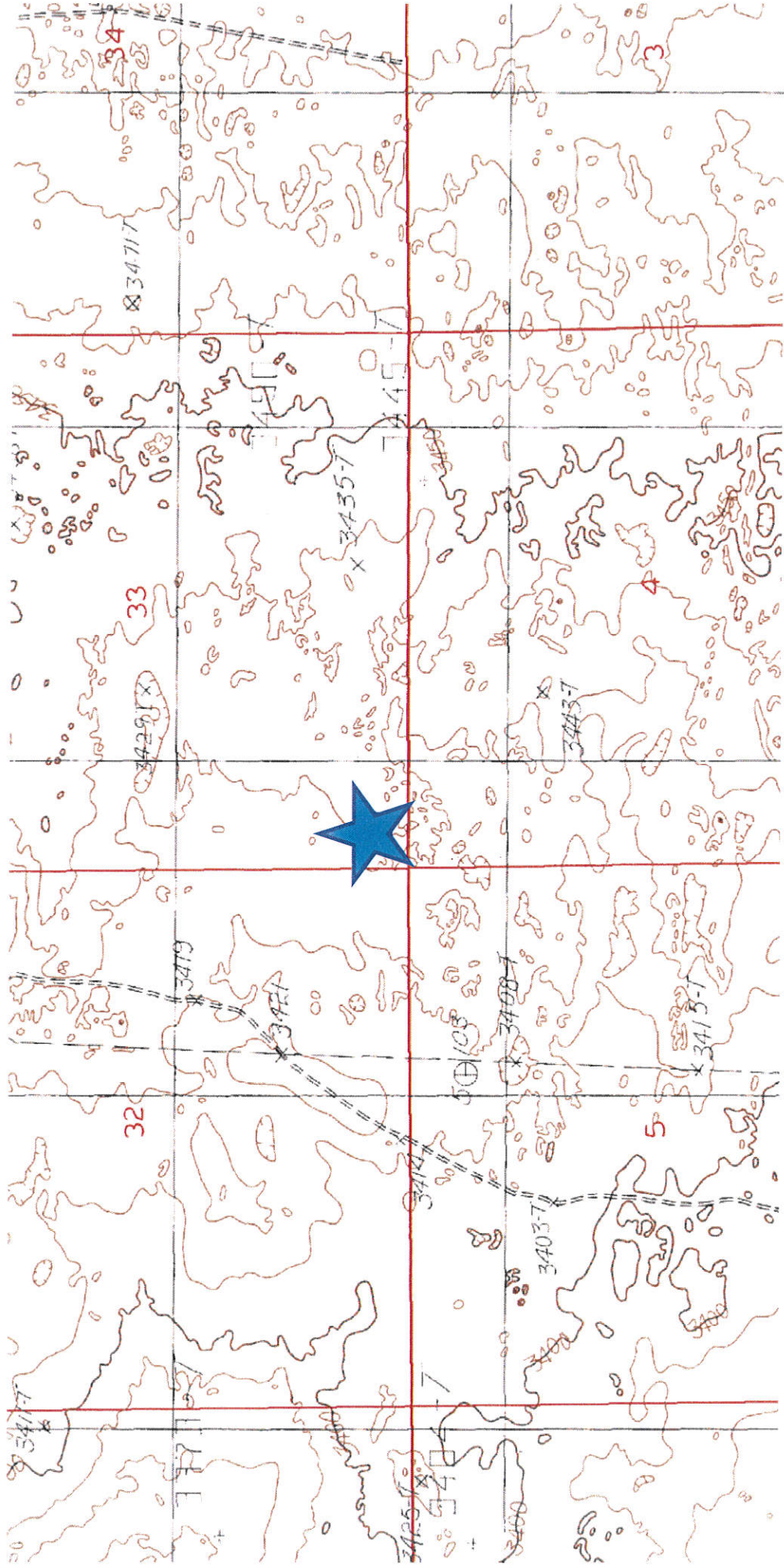
LIVINGSTON RIDGE QUADRANGLE
NEW MEXICO-EDDY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Oxy

Lost Tank 33 Federal #2 SWD



Laboratory Analytical Results Summary
Lost Tank 33 Federal #2 SWD

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		26000	544	848	752	656	368	<16.0	<16.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		25200	608	880	672	320	16	<16.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		26400	720	528	304	16	<16.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		37600	12000	4400	800	576	<16.0	<16.0

Analyte	Method	Sample Date	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		38000	20000	4560	992	560	<16.0	<16.0

Analyte	Method	Sample Date	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		38000	1120	592	256	160

Analyte	Method	Sample Date	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/16/2015
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 1 @ SURFACE (H502498-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	09/24/2015	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/24/2015	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	09/24/2015	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/24/2015	ND	432	108	400	3.77	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2015	Sampling Date:	09/16/2015
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 1 @ 4' (H502498-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/24/2015	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/24/2015	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
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 1 @ 7' (H502498-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
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 2 @ SURFACE (H502498-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	09/25/2015	ND	448	112	400	7.41	

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*=Accredited Analyte

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

Received:	09/22/2015	Sampling Date:	09/16/2015
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 2 @ 1' (H502498-10)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	09/25/2015	ND	448	112	400	7.41		

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	09/25/2015	ND	448	112	400	7.41		

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	09/25/2015	ND	448	112	400	7.41		

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/25/2015	ND	448	112	400	7.41	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
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	

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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 2 @ 6' (H502498-15)

Chloride, SM4500Cl-B			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 @ SURFACE (H502498-16)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26400	16.0	09/25/2015	ND	448	112	400	7.41		

Sample ID: SP 3 @ 1' (H502498-17)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	09/25/2015	ND	448	112	400	7.41		

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/25/2015	ND	448	112	400	7.41	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/25/2015	ND	448	112	400	7.41	

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Cliff Brunson
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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	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

Chloride, SM4500Cl-B		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, SM4500Cl-B		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 4 @ SURFACE (H502498-22)

Chloride, SM4500Cl-B		mg/kg	Analyzed 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, SM4500Cl-B		mg/kg	Analyzed 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, SM4500Cl-B		mg/kg	Analyzed 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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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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, SM4500Cl-B		mg/kg	Analyzed 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' (H502498-26)

Chloride, SM4500Cl-B		mg/kg	Analyzed 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' (H502498-27)

Chloride, SM4500Cl-B		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	464	116	400	3.51	

Sample ID: SP 4 @ 6' (H502498-28)

Chloride, SM4500Cl-B		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	464	116	400	3.51	

Sample ID: SP 5 @ SURFACE (H502498-29)

Chloride, SM4500Cl-B		mg/kg	Analyzed 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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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 5 @ 1' (H502498-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-34)

Chloride, SM4500Cl-B		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	464	116	400	3.51		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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 5 @ 6' (H502498-35)

Chloride, SM4500Cl-B		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	464	116	400	3.51		

Sample ID: SP 6 @ SURFACE (H502498-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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' (H502498-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/22/2015
 Reported: 09/29/2015
 Project Name: LOST TANK 33 FEDERAL #2 SWD
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 09/21/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/25/2015	ND	464	116	400	3.51		

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27200	16.0	09/25/2015	ND	464	116	400	3.51		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/25/2015	ND	464	116	400	3.51	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/25/2015	ND	464	116	400	3.51	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/25/2015	ND	464	116	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	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, SM4500Cl-B****mg/kg****Analyzed 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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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 SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO										ANALYSIS REQUEST													
Project Manager: Cliff Brunson		Company: Dusty Wilson																									
Address: P.O. Box 805		Attn:																									
City: Hobbs		Address:																									
Phone #: 575-397-6388		State: NM Zip: 88241																									
Fax #: 575-397-0397		City:																									
Project #:		State:																									
Project Name: Lost Tank 33 Federal #2 SWD		Zip:																									
Project Location: Eddy County, NM		Phone #:																									
Sample Name: Jeff Ornelas		Fax #:																									
FOR LAB USE ONLY		PRESERV		SAMPLING																							
Lab I.D.		Sample I.D.																									
H502498																											
SP1 @ SURFACE		(G)RAB OR (C)OMP.		# CONTAINERS																							
1		G 1		GROUNDWATER																							
2		G 1		WASTEWATER																							
3		G 1		SOIL																							
4		G 1		OIL																							
5		G 1		SLUDGE																							
6		G 1		OTHER:																							
7		G 1		ACID/BASE:																							
8		G 1		ICE / COOL																							
9		G 1		OTHER:																							
10		G 1		DATE		TIME																					
SP2 @ SURFACE		9/16/15		11:38 AM																							
SP2 @ 1'		9/16/15		1:00 PM																							
		9/16/15		1:11 PM																							
		9/16/15		1:30 PM																							
		9/16/15		1:50 PM																							
		9/16/15		2:09 PM																							
		9/16/15		2:15 PM																							
		9/16/15		2:37 PM																							
		9/16/15		3:00 PM																							
		9/16/15		3:15 PM																							
Relinquished By: [Signature]		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																					
Relinquished By: [Signature]		Received By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																					
Delivered By: (Circle One) [Signature]		Sample Condition		CHECKED BY: [Signature]																							
Sampler - UPS - Bus - Other: [Signature]		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Initials																							
		Yes <input type="checkbox"/> No <input type="checkbox"/>																									

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: J. Strydom	
Address: P.O. Box 805	State: NM	City:	Address:
City: Hobbs	zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #: 575-397-0397	Project Owner: Oxy	
Project #:		State:	Zip:
Project Name: Lost Tank 33 Federal #2 SWD		Phone #:	
Project Location: Eddy County, NM		Fax #:	
Sampler Name: Jeff Ornelas			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :		
#502498											
11	SP2 @ 2'	G	1								
12	SP2 @ 3'	G	1								
13	SP2 @ 4'	G	1								
14	SP2 @ 5'	G	1								
15	SP2 @ 6'	G	1								
16	SP3 @ SURFACE	G	1								
17	SP3 @ 1'	G	1								
18	SP3 @ 2'	G	1								
19	SP3 @ 3'	G	1								
20	SP3 @ 4'	G	1								

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Reinquisitioned By:	Date: 9/5/15	Received By:	Date: 9/5/15
Requisitioned By: Vett Dole	Time: 5:00pm	Received By: [Signature]	Time: 5:00pm
Delivered By: (Circle One)	Date: 9/2/15	Sample Condition:	CHECKED BY:
Sampler - UPS - Bus - Other:	Time: 2:45pm	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	[Signature]
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	

REMARKS:



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO	
Project Manager: Cliff Brunson		Company: DASH WILSON			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
Phone #: 575-397-6388		City:			
Fax #: 575-397-0397		State:			
Project #: Project Owner: Oxy		Zip:			
Project Name: Lost Tank 33 Federal #2 SWD		Phone #:			
Project Location: Eddy County, NM		Fax #:			
Sampler Name: Jeff Ornelas		DATE		TIME	
FOR LAB USE ONLY		DATE		TIME	
Lab I.D. Sample I.D.		DATE		TIME	
H502448		9/18/15		2:15 PM	
31 SP5 @ 2'		9/18/15		2:48 PM	
32 SP5 @ 3'		9/18/15		3:30 PM	
33 SP5 @ 4'		9/18/15		3:45 PM	
34 SP5 @ 5'		9/18/15		3:54 PM	
35 SP5 @ 6'		9/18/15		3:55 PM	
36 SP6 @ SURFACE		9/21/15		8:19 AM	
37 SP6 @ 1'		9/21/15		8:39 AM	
38 SP6 @ 2'		9/21/15		9:30 AM	
39 SP6 @ 3'		9/21/15		10:00 AM	
40 SP6 @ 4'					
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Relinquished By: [Signature]		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: [Signature]		Received By: [Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) [Signature]		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]	
Sampler - UPS - Bus - Other:				REMARKS:	

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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: cbrunson@bbcinternational.com

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

Kathy Purvis

From: Glass, Dara <djglass@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
djglass@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 <cbrunson@bbcinternational.com> 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

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