

Closure Report

RECEIVED

MAY 23 2014

NMOCD ARTESIA

Site Description

Site Name:	Lost Tank 10 Federal #2
Company:	Oxy Permian Ltd.
Legal Description:	U/L O, Section 3, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.41574° W 103.76318°

Release Data

Date of Release:	10/01/2013
Type of Release:	Oil and produced water
Source of Release:	4" needle valve on circulating line broke off
Volume of Release:	10 bbls oil and 5 bbls produced water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak site plus the additional two stuffing box leaks on site to a depth of 6 inches. Backfill the site with clean soil, using caliche on the pad.
Remediation Activities:	04/28/2014 to 04/29/2014

Plan Sent to OCD:	02/20/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	02/19/2014	Verbal approval in meeting with M. Bratcher
Plan Sent to BLM:	02/20/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	02/24/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 10/15/2013
Final C-141	Signed 05/19/2014
Site Diagram	November 2013
Groundwater Plot	150'
TOPO Maps	November 2013
Lab Summary	01/21/2014
Lab Analysis	01/21/2014
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.

05/20/2014

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Lost Tank 10 Federal #2	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	API No. 30-015-37960

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	3	22S	31E	840	South	1838	East	Eddy

Latitude N 32.415595°

Longitude W 103.763146°

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	10 bbls oil, 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	4" needle valve on circulating line broke off	Date and Hour of Occurrence	10/01/2013	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-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Chancey Summers	Date and Hour	10/07/2013 @ 10:14 am		
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.*

Area livestock have been rubbing the circulating line causing the 4" needle valve to break off and allow 10 bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the valve was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected was approximately 20' x 40' with all of the leak staying on location. Remediation will be conducted in accordance with a 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.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: Chancey.Summers@oxy.com

Date: 10/15/13

Phone: (575) 397-8216

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
District III
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Form C-141
Revised August 8, 2011

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Lost Tank 10 Federal #2	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-37960

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	3	22S	31E	840	South	1838	East	Eddy

Latitude N 32.415595°

Longitude W 103.763146°

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	10 bbls oil, 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	4" needle valve on circulating line broke off	Date and Hour of Occurrence	10/01/2013	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-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Chancey Summers	Date and Hour	10/07/2013 @ 10:14 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

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Describe Cause of Problem and Remedial Action Taken.*

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Describe Area Affected and Cleanup Action Taken.*

The area affected was approximately 20' x 40' with all of the leak staying on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher in a meeting on 02/19/2014 and approved by Jennifer Van Curen of the BLM via email on 02/24/2014.

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:

Printed Name: Chancey Summers

Title: HES Specialist

E-mail Address: Chancey.Summers@oxy.com

Date: 5-19-14 Phone: (575) 397-8216

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date:

Expiration Date:

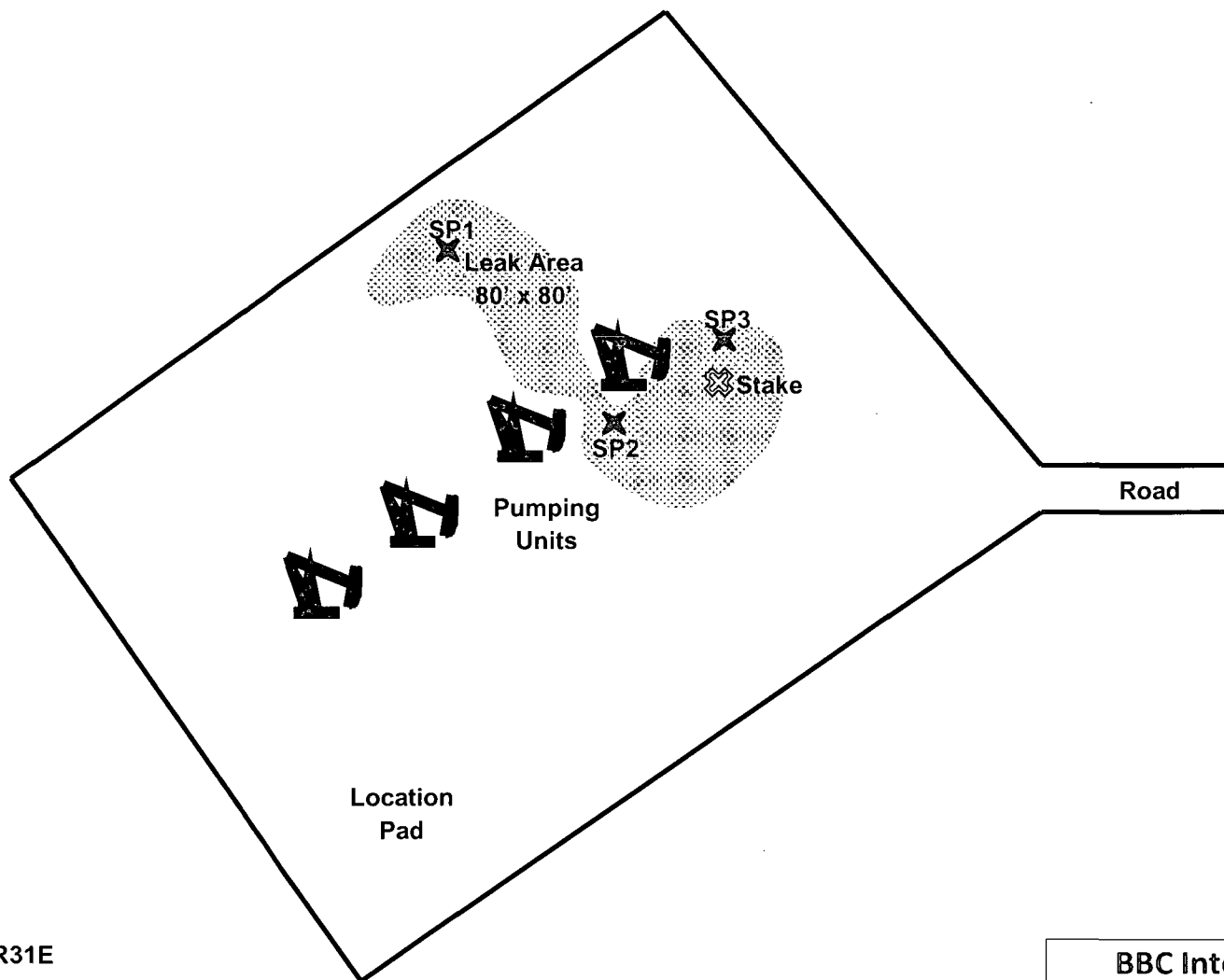
Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary



Oxy
Lost Tank 10 Federal #2



U/L O, Section 3, T22S, R31E
840' FSL and 1838' FEL
Eddy County, NM
N 32.41574° W 103.76318° at stake
API# 30-015-37960

BBC International, Inc.

Oxy
Lost Tank 10 Federal #2

Date: 11/11/13

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013

Groundwater Plot

Oxy Lost Tank 10 Federal #2

County
Eddy

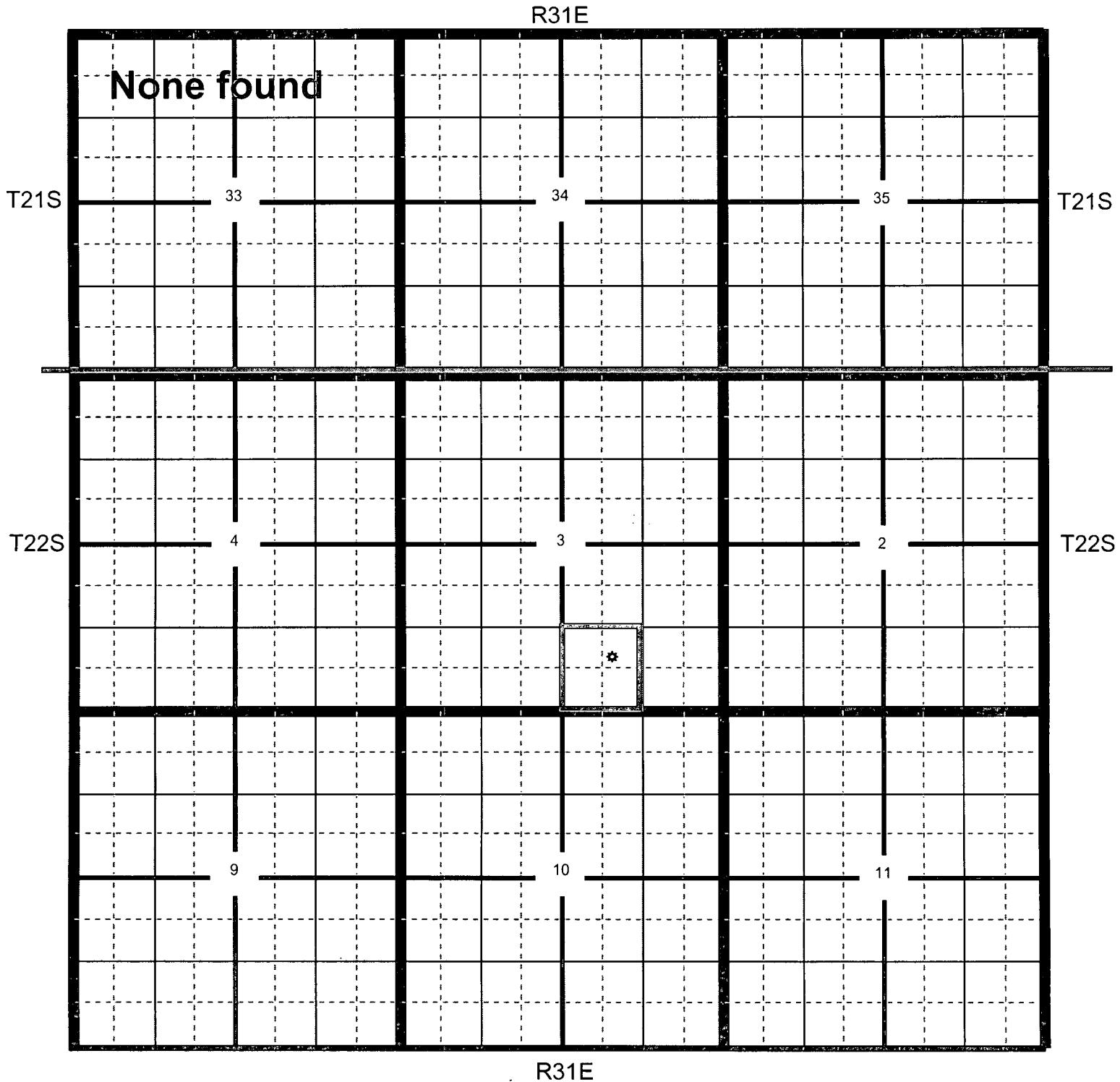
Unit Letter
O

Section
3

Township
22S

Range
31E

Trend Map 150'



★ Location

○ OCD

○ USGS

○ SEO

○ All Databases

Oxy Lost Tank 10 Federal #2

County Eddy Unit Letter O Section 3 Township 22S Range 31E

Trend Map 150'

1

2

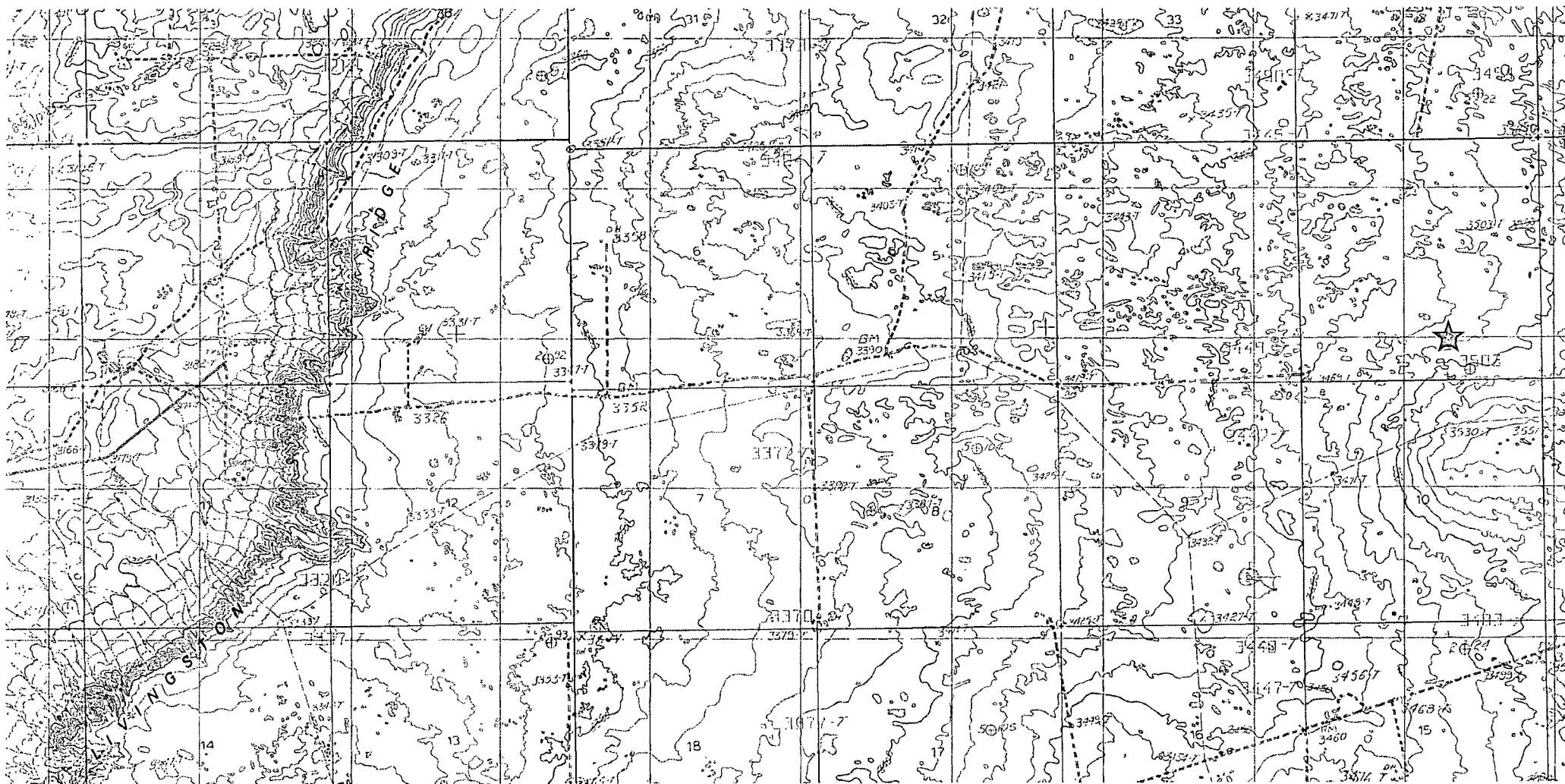
NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE ✱ Unit Letter O	SE/SE Unit Letter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

3

4

Oxy

Lost Tank 10 Federal #2



**Laboratory Analytical Results Summary
Lost Tank 10 #2**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	1/21/14	1/21/14	1/21/14	1/21/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.119	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.405	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.66	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		2.18	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		28000	832	768	48
GRO	TPH 8015M		50.3	<10.0	<10.0	<10.0
DRO	TPH 8015M		11300	14.3	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	1/21/14	1/21/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.053	<0.050
Toluene	BTEX 8021B		0.089	<0.050
Ethylbenzene	BTEX 8021B		0.106	<0.050
Total Xylenes	BTEX 8021B		0.406	<0.150
Total BTEX	BTEX 8021B		0.654	<0.300
Chloride	SM4500Cl-B		24400	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		27100	11.6

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	1/21/14	1/21/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.167	<0.050
Ethylbenzene	BTEX 8021B		0.521	<0.050
Total Xylenes	BTEX 8021B		2.15	<0.150
Total BTEX	BTEX 8021B		2.84	<0.300
Chloride	SM4500Cl-B		20800	48
GRO	TPH 8015M		54.6	<10.0
DRO	TPH 8015M		12900	10.4



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 31, 2014

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

RE: LOST TANK 10 #2

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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/ga/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: 01/27/2014
Reported: 01/31/2014
Project Name: LOST TANK 10 #2
Project Number: NONE GIVEN
Project Location: WIPP SITE

Sampling Date: 01/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 1 @ SURFACE (H400247-01)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.119	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.405	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	1.66	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	2.18	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 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	28000	16.0	01/30/2014	ND	400	100	400	0.00	

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	50.3	50.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	11300	50.0	01/28/2014	ND	183	91.4	200	2.51	

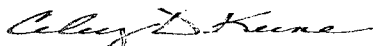
Surrogate: 1-Chlorooctane 98.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 446 % 63.6-154

Cardinal Laboratories

*=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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 1 @ 1' (H400247-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	832	16.0	01/30/2014	ND	400	100	400	8.33	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	14.3	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.8 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	01/27/2014	Sampling Date:	01/21/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	LOST TANK 10 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 3' (H400247-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	768	16.0	01/30/2014	ND	400	100	400	8.33		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

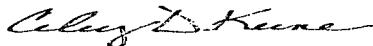
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 1 @ 5' (H400247-04)

BTX 80218			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTX	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	48.0	16.0	01/30/2014	ND	400	100	400	8.33	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

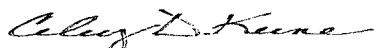
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.5 % 63.6-154

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*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 2 @ SURFACE (H400247-05)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.053	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.089	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.106	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	0.406	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	0.654	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 127 % 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	24400	16.0	01/30/2014	ND	400	100	400	8.33	

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	<100	100	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	27100	100	01/28/2014	ND	183	91.4	200	2.51	

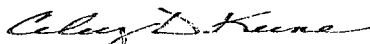
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 2020 % 63.6-154

Cardinal Laboratories

*=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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 2 @ 1' (H400247-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	<16.0	16.0	01/30/2014	ND	400	100	400	8.33		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	11.6	10.0	01/28/2014	ND	183	91.4	200	2.51	

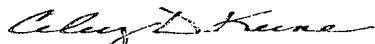
Surrogate: 1-Chlorooctane 98.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.8 % 63.6-154

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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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 3 @ SURFACE (H400247-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.167	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.521	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	2.15	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	2.84	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 170 % 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	20800	16.0	01/30/2014	ND	400	100	400	8.33	

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	54.6	50.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	12900	50.0	01/28/2014	ND	183	91.4	200	2.51	

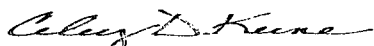
Surrogate: 1-Chlorooctane 71.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 537 % 63.6-154

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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:	01/27/2014	Sampling Date:	01/21/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	LOST TANK 10 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	WIPP SITE		

Sample ID: SP 3 @ 1' (H400247-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	48.0	16.0	01/30/2014	ND	400	100	400	8.33		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	10.4	10.0	01/28/2014	ND	183	91.4	200	2.51		

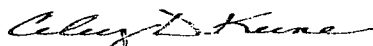
Surrogate: 1-Chlorooctane 98.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

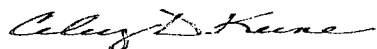
Notes and Definitions

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 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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Celest D. Keene, Lab Director/Quality Manager



Page 11 of 11

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

154

Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Monday, February 24, 2014 6:12 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Oxy-Lost Tank 10 Federal #2-Remediation Plan

CJ,

Approved with stipulations.

Well pad extends to include 4 wellbores and there are two other stuffing box leaks including this one. 6" needs to be pulled from all stained areas.

Well pad needs to be bermed to prevent spills from leaving well pad.

Pad areas should be resurfaced with 6" of clean caliche.

If you have any questions please let me know.

BLM 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, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulation.

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 Thu, Feb 20, 2014 at 7:33 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> 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 will excavate to a depth of 6 inches across the entire leak area as shown on the diagram. The area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

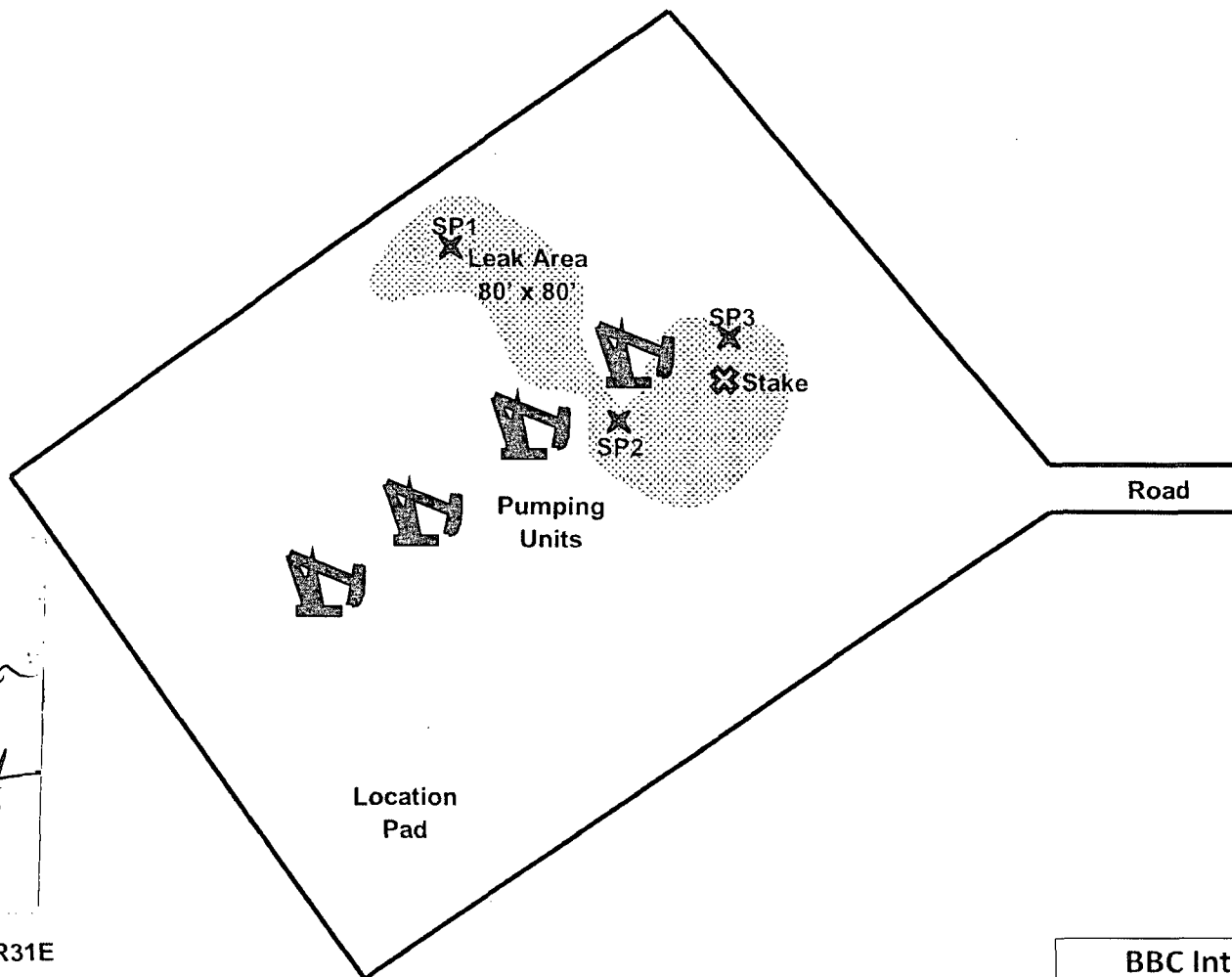
Thanks, Cliff

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) 397-0397
E-Mail: cbrunson@bbcinternational.com

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Oxy
Lost Tank 10 Federal #2



U/L O, Section 3, T22S, R31E
840' FSL and 1838' FEL
Eddy County, NM
N 32.41574° W 103.76318° at stake
API# 30-015-37960

BBC International, Inc.

Oxy
Lost Tank 10 Federal #2

Date: 11/11/13

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Lost Tank 10 Federal #2

County
Eddy

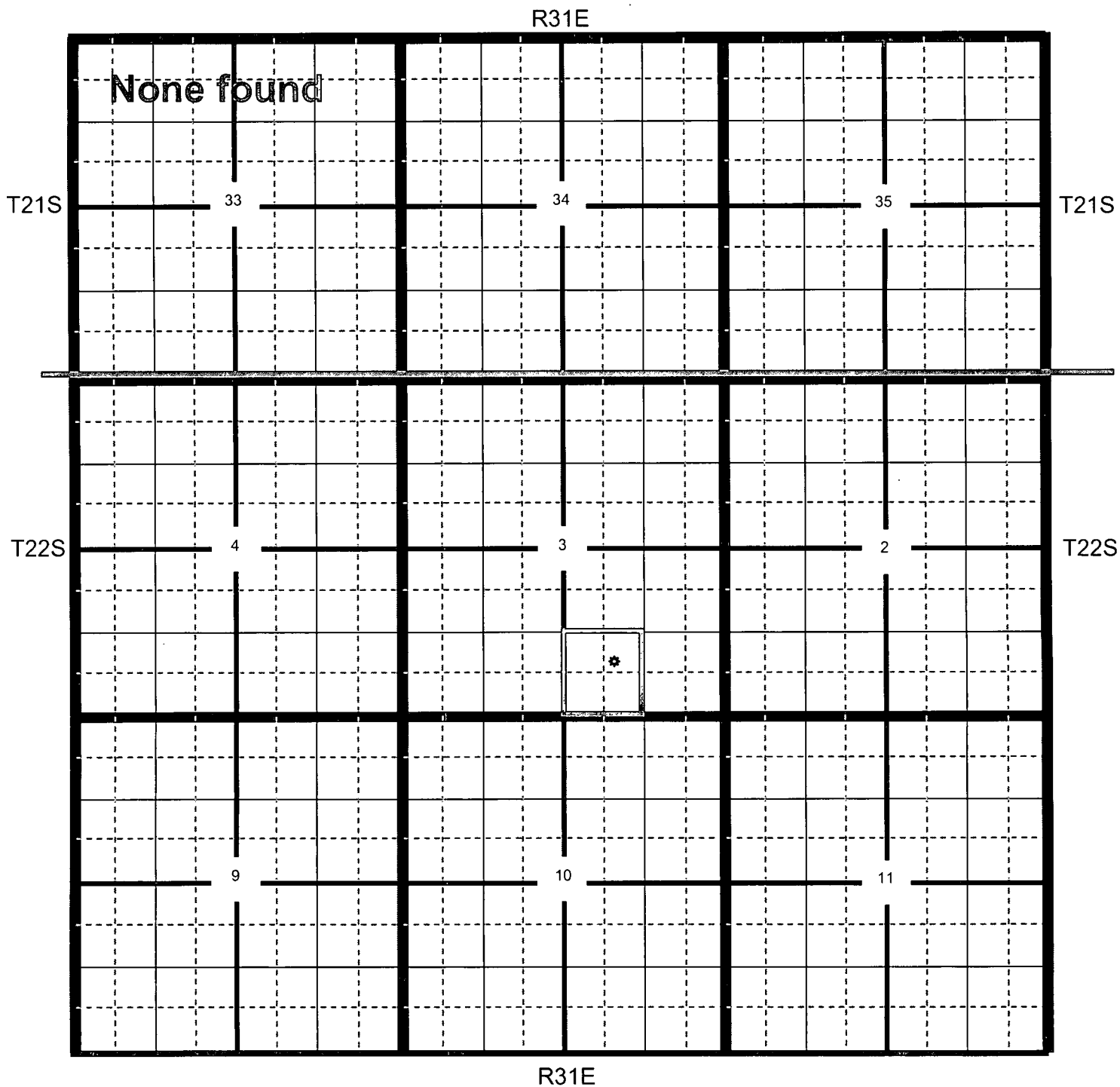
Unit Letter
O

Section
3

Township
22S

Range
31E

Trend Map 150'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases



Section Quarters

Oxy Lost Tank 10 Federal #2

County
Eddy

Unit Letter
O

Section
3


Township
22S

Range
31E

Trend Map 150'

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

3

4

 Location

 OCD

 USGS

 SEO

 All Databases

Laboratory Analytical Results Summary
Lost Tank 10 #2

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	1/21/14	1/21/14	1/21/14	1/21/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.119	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.405	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.66	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		2.18	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		28000	832	768	48
GRO	TPH 8015M		50.3	<10.0	<10.0	<10.0
DRO	TPH 8015M		11300	14.3	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	1/21/14	1/21/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.053	<0.050
Toluene	BTEX 8021B		0.089	<0.050
Ethylbenzene	BTEX 8021B		0.106	<0.050
Total Xylenes	BTEX 8021B		0.406	<0.150
Total BTEX	BTEX 8021B		0.654	<0.300
Chloride	SM4500Cl-B		24400	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		27100	11.6

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	1/21/14	1/21/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.167	<0.050
Ethylbenzene	BTEX 8021B		0.521	<0.050
Total Xylenes	BTEX 8021B		2.15	<0.150
Total BTEX	BTEX 8021B		2.84	<0.300
Chloride	SM4500Cl-B		20800	48
GRO	TPH 8015M		54.6	<10.0
DRO	TPH 8015M		12900	10.4

January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 10 #2

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 9:00.

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: 01/27/2014
Reported: 01/31/2014
Project Name: LOST TANK 10 #2
Project Number: NONE GIVEN
Project Location: WIPP SITE

Sampling Date: 01/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 1 @ SURFACE (H400247-01)

BTEX 8021B	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.119	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.405	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	1.66	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	2.18	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 157 % 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	28000	16.0	01/30/2014	ND	400	100	400	0.00	

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	50.3	50.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	11300	50.0	01/28/2014	ND	183	91.4	200	2.51	

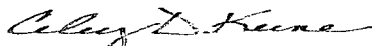
Surrogate: 1-Chlorooctane 98.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 446 % 63.6-154

Cardinal Laboratories

*=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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 1 @ 1' (H400247-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEx	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 112 % 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	832	16.0	01/30/2014	ND	400	100	400	8.33	
TPH 8015M		mg/kg		Analyzed By: ms					

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	14.3	10.0	01/28/2014	ND	183	91.4	200	2.51	

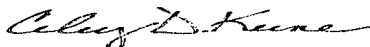
Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.8 % 63.6-154

Cardinal Laboratories

*=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:	01/27/2014	Sampling Date:	01/21/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	LOST TANK 10 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	WIPP SITE		

Sample ID: SP 1 @ 3' (H400247-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	768	16.0	01/30/2014	ND	400	100	400	8.33		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51		

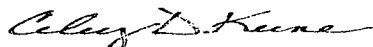
Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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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: 01/27/2014
Reported: 01/31/2014
Project Name: LOST TANK 10 #2
Project Number: NONE GIVEN
Project Location: WIPP SITE

Sampling Date: 01/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 1 @ 5' (H400247-04)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	48.0	16.0	01/30/2014	ND	400	100	400	8.33	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	<10.0	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.5 % 63.6-154

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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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 2 @ SURFACE (H400247-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.053	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.089	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.106	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	0.406	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	0.654	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 127 % 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	24400	16.0	01/30/2014	ND	400	100	400	8.33	

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	<100	100	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	27100	100	01/28/2014	ND	183	91.4	200	2.51	


Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 2020 % 63.6-154

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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:	01/27/2014	Sampling Date:	01/21/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	LOST TANK 10 #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	WIPP SITE		

Sample ID: SP 2 @ 1' (H400247-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434		
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933		
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108		
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47		
Total BTEX	<0.300	0.300	01/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	<16.0	16.0	01/30/2014	ND	400	100	400	8.33		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	11.6	10.0	01/28/2014	ND	183	91.4	200	2.51		

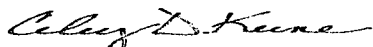
Surrogate: 1-Chlorooctane 98.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.8 % 63.6-154

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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: 01/27/2014
 Reported: 01/31/2014
 Project Name: LOST TANK 10 #2
 Project Number: NONE GIVEN
 Project Location: WIPP SITE

 Sampling Date: 01/21/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: SP 3 @ SURFACE (H400247-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	0.167	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	0.521	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	2.15	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEX	2.84	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 170 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20800	16.0	01/30/2014	ND	400	100	400	8.33		
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	54.6	50.0	01/28/2014	ND	192	96.2	200	0.594		
DRO >C10-C28	12900	50.0	01/28/2014	ND	183	91.4	200	2.51		

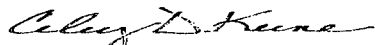
Surrogate: 1-Chlorooctane 71.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 537 % 63.6-154

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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: 01/27/2014
Reported: 01/31/2014
Project Name: LOST TANK 10 #2
Project Number: NONE GIVEN
Project Location: WIPP SITE

Sampling Date: 01/21/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 3 @ 1' (H400247-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.39	120	2.00	0.434	
Toluene*	<0.050	0.050	01/30/2014	ND	2.35	117	2.00	0.0933	
Ethylbenzene*	<0.050	0.050	01/30/2014	ND	2.32	116	2.00	0.108	
Total Xylenes*	<0.150	0.150	01/30/2014	ND	6.88	115	6.00	1.47	
Total BTEx	<0.300	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	48.0	16.0	01/30/2014	ND	400	100	400	8.33	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	10.4	10.0	01/28/2014	ND	183	91.4	200	2.51	

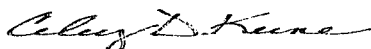
Surrogate: 1-Chlorooctane 98.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

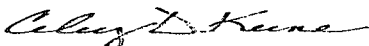
Notes and Definitions

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 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

Page 11 of 11

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>CL</div> <div>TPH</div> <div>SP2</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs State: NM Zip: 88241				Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #:				City:															
Project Name: Lost tank 10 #2				State:															
Project Location: Whipp site				Zip:															
Sampler Name: GIL				Phone #:															
Fax #:																			

FOR LAB USE ONLY		GRAB OR C/OWP	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	CL	TPH	SP2
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER						
H400247																		
1	SP2@ Surface	6	1		X					X				1-21-19	9:00	X	X	X
2	SP2@ 2ft	6	1		X					X				1-21-19	9:30	X	X	X
3	SP2@ 3ft	6	1		X					X				1-21-19	9:45	X	X	X
4	SP2@ 5ft	6	1		X					X				1-21-19	10:05	X	X	X
5	SP2@ Surface	6	1		X					X				1-21-19	10:25	X	X	X
6	SP2@ 2ft	6	1		X					X				1-21-19	10:38	X	X	X
7	SP2@ Surface	6	1		X					X				1-21-19	11:00	X	X	X
8	SP2@ 2ft	6	1		X					X				1-21-19	11:15	X	X	X

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Relinquished By:	Date: Time:	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: Date: 1/27/19 Time: 9:00	Received By: 	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	REMARKS:
Delivered By: (Circle One) Sampler: UPS Bus Other: 47°C	Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	

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

454

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Lost Tank 10 Federal #2	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	API No. 30-015-37960

LOCATION OF RELEASE

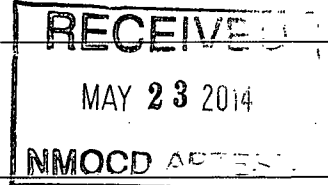
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	3	22S	31E	840	South	1838	East	Eddy

Latitude N 32.415595°

Longitude W 103.763146°

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	10 bbls oil, 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	4" needle valve on circulating line broke off	Date and Hour of Occurrence	10/01/2013	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-NMOCD; Jennifer Van Curen-BLM		
By Whom?	Chancey Summers	Date and Hour	10/07/2013 @ 10:14 am		
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.*

Area livestock have been rubbing the circulating line causing the 4" needle valve to break off and allow 10 bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the valve was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.*

The area affected was approximately 20' x 40' with all of the leak staying on location. Remediation will be conducted in accordance with a 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.

OIL CONSERVATION DIVISION

Signature:	Approved by Environmental Specialist:		
Printed Name: Chancey Summers	Approval Date:		
Title: HES Specialist	Expiration Date:		Attached <input type="checkbox"/>
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		
Date: <u>10/15/13</u>	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary