

Closure Report

Site Description

Site Name:	Lost Tank 3 Federal #15
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 3, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.42071° W 103.77367°

Release Data

Date of Release:	09/15/2014
Type of Release:	Oil and produced water
Source of Release:	Livestock tampered with the 1" bleed valve on the well head
Volume of Release:	6 bbls oil, 6 bbls water
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Surface scrape to a depth of 6 inches across the entire leak site. Backfill the site with clean soil.	
Remediation Activities:	05/01/2015 to 05/08/2015	
Plan Sent to OCD:	10/29/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/03/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	10/29/2014	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	10/30/2014	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 10/10/2014
Final C-141	Signed 05/12/2014
Site Diagram	September 2014
Groundwater Plot	150'
TOPO Maps	September 2014
Lab Summary	09/30/2014
Lab Analysis	09/30/2014
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.

06/24/2015

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 3 Federal #15	Facility Type	Well
Surface Owner	Oxy	Mineral Owner	
		API No.	30-015-37951

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	3	22S	31E	2558	North	235	West	Eddy County, NM

Latitude N 32.42078° Longitude W 103.77349°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	6 bbls oil, 6 bbls produced water	Volume Recovered	0 bbls
Source of Release	Livestocked tampered and opened the 1" bleed valve on the well head	Date and Hour of Occurrence	09/15/2014	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 and Heather Patterson- NMOCD, Sol Hughes- BLM			
By Whom?	Kathy Purvis, BBC International	Date and Hour 09/16/2014 @ 4:45 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.*

Livestock tampered with and opened the 1" bleed valve on the well head spilling 6 bbls of oil and 6 bbls of produced water on to the ground. The valve was closed and a plug was installed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 40' x 100' 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: Chancey Summers		Approved by Environmental Specialist:	
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10-10-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary

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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Lost Tank 3 Federal #15	Facility Type	Well
Surface Owner	Oxy	Mineral Owner	
		API No.	30-015-37951

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	3	22S	31E	2558	North	235	West	Eddy County, NM

Latitude N 32.42078° Longitude W 103.77349°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	6 bbls oil, 6 bbls produced water	Volume Recovered	0 bbls
Source of Release	Livestocked tampered and opened the 1" bleed valve on the well head	Date and Hour of Occurrence	09/15/2014	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 and Heather Patterson- NMOCD, Sol Hughes- BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	09/16/2014 @ 4:45 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.*

Livestock tampered with and opened the 1" bleed valve on the well head spilling 6 bbls of oil and 6 bbls of produced water on to the ground. The valve was closed and a plug was installed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 40' x 100' on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 11/03/2014 and approved by Sol Hughes of the BLM via email on 10/30/2014.

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.

Chris Jones Digitally signed by Chris Jones DN: cn=Chris Jones, o=oxy, email=ckjones888@yahoo.com, c=US Date: 2015.05.12 09:45:53 -0500	OIL CONSERVATION DIVISION		
Signature: Jones	Approved by Environmental Specialist:		
Printed Name: Christopher Jones			
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (575) 628-4121		

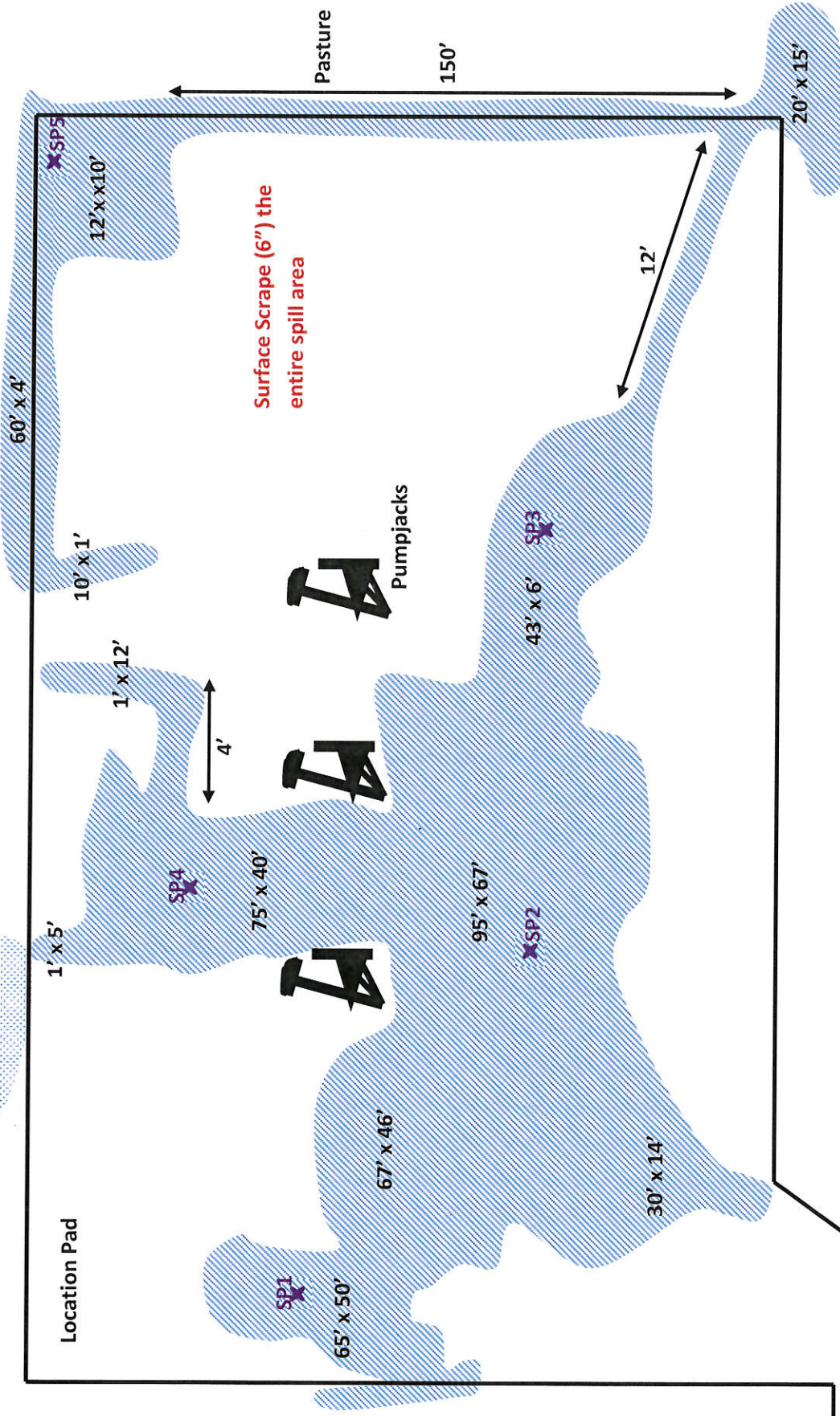
* Attach Additional Sheets If Necessary



Oxy

Lost Tank 3 Federal #15

Overspray
45' x 10'



U/L E, Section 3, T22S, R31E
Eddy County, NM
N 32.42071° W 103.77367°
API# 30-015-37951

BBC International, Inc.	
Oxy	
Lost Tank 3 Federal #15	
Date: 09/30/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy Lost Tank 3 Federal #15

County
Eddy

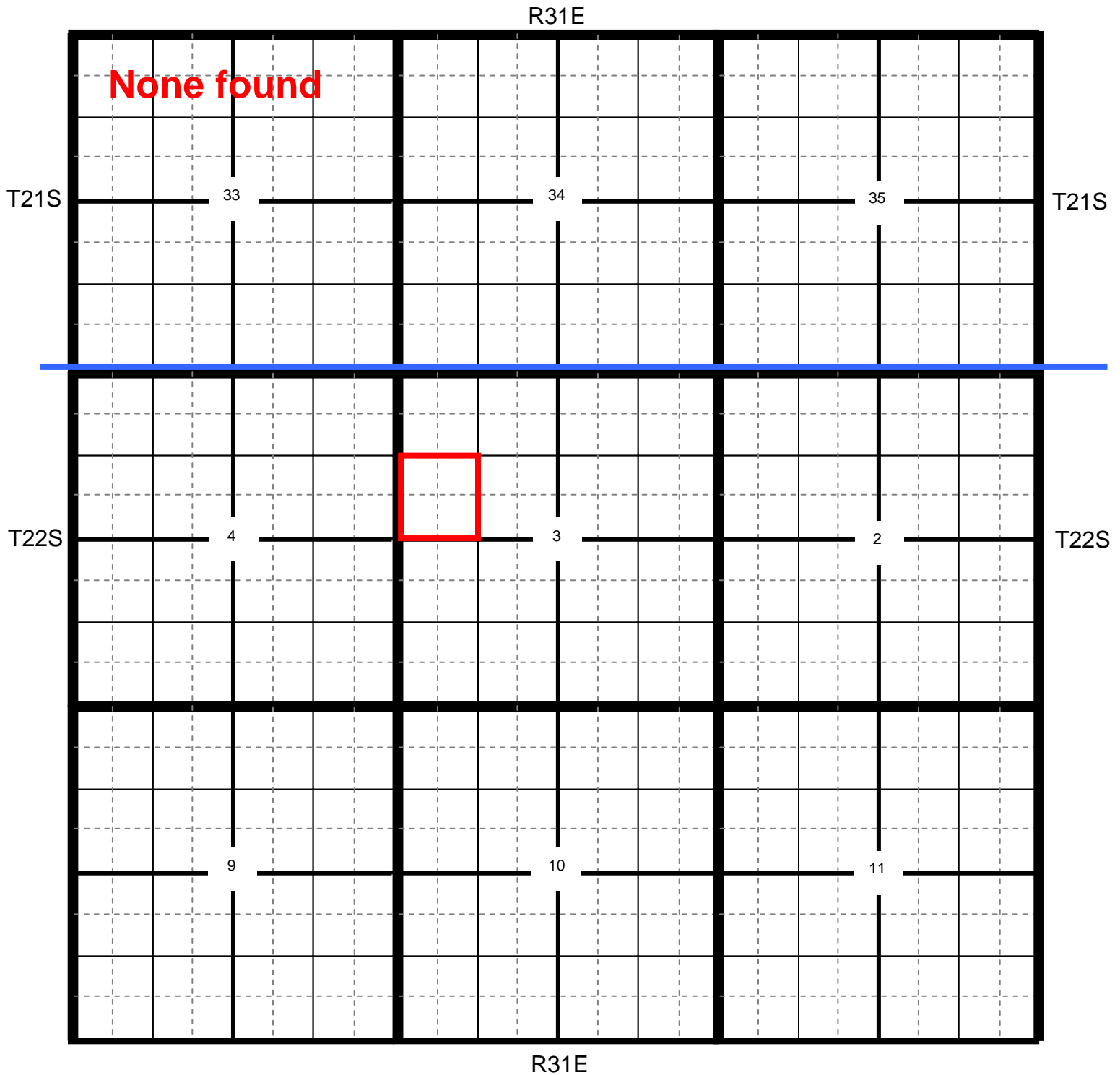
Unit Letter
E

Section
3

Township
22S

Range
31E

Trend Map 150'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Lost Tank 3 Federal #15

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

Trend Map 150'

1

2

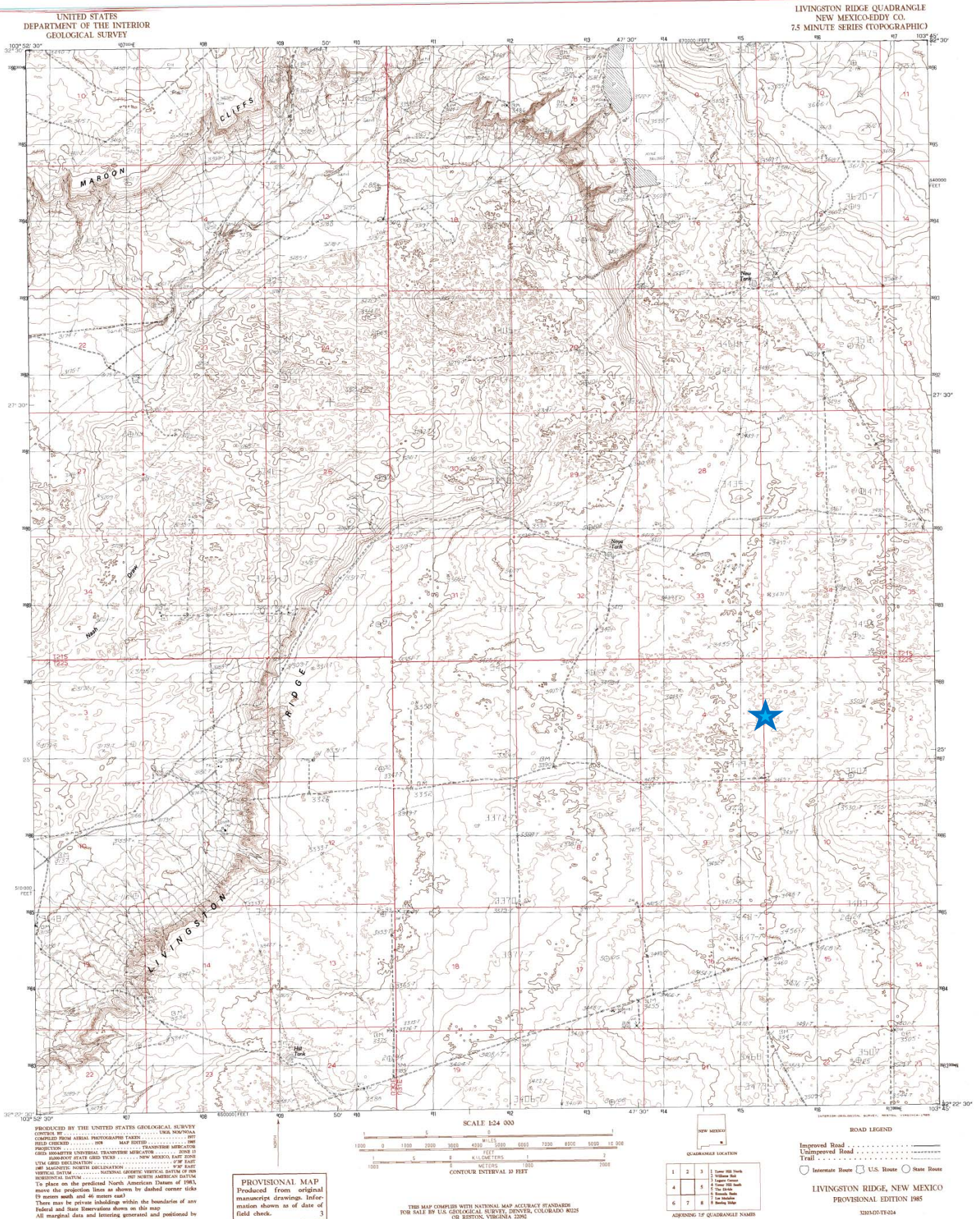
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Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

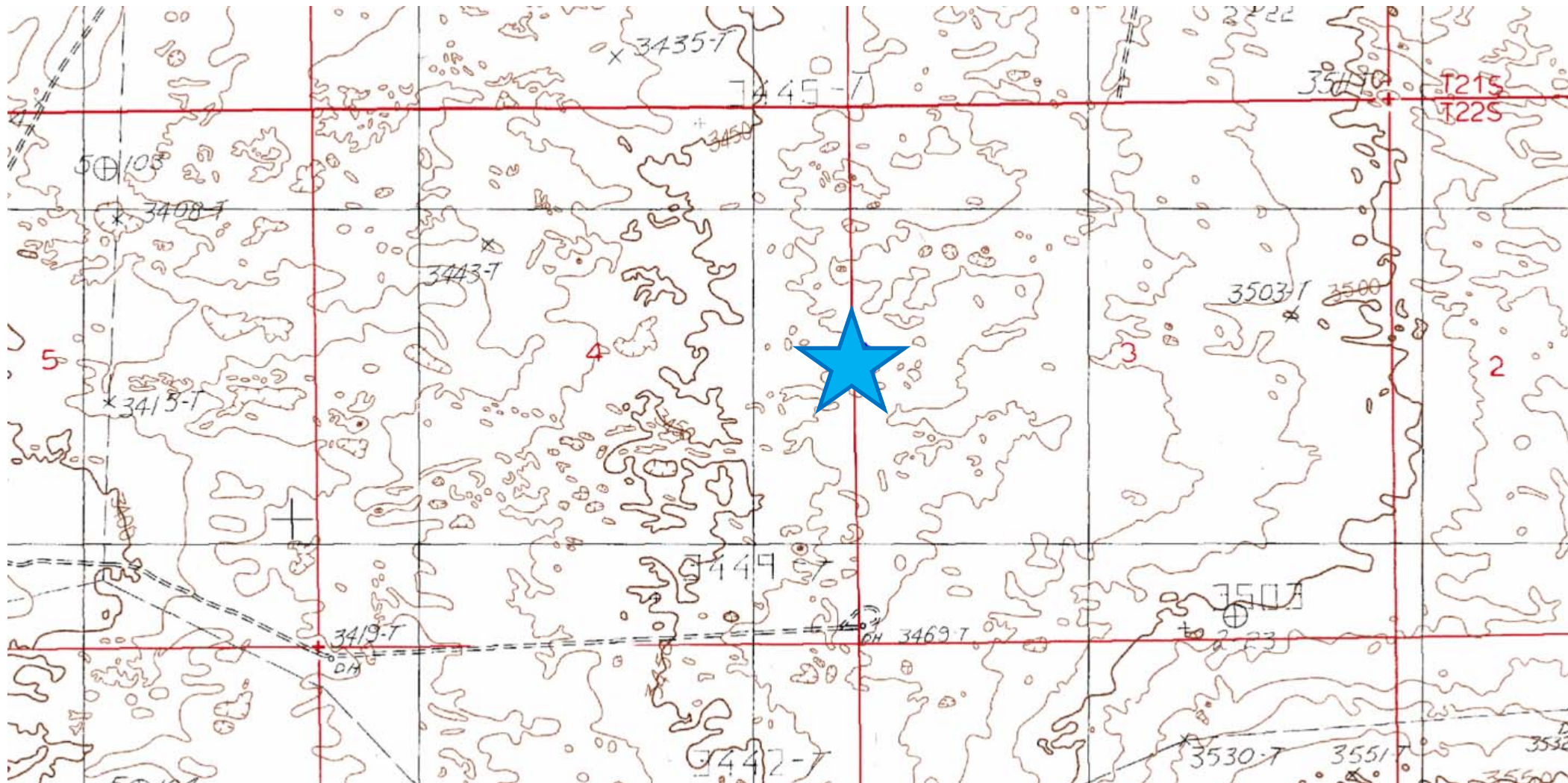
Oxy

Lost Tank 3 Federal #15



Oxy

Lost Tank 3 Federal #15



**Laboratory Analytical Results Summary
Lost Tank 3 Federal #15**

		Sample	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	9/30/14	9/30/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	9/30/14	9/30/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	9/30/14	9/30/14	9/30/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		560	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	9/30/14	9/30/14	9/30/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		464	448	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Analyte	Method	Date	9/30/14	9/30/14	9/30/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		192	544	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

October 06, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOST TANK 3 FEDERAL #15

Enclosed are the results of analyses for samples received by the laboratory on 10/01/14 10:00.

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:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H402989-01)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3	
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6	
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1	
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0	
Total BTX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 61-154

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	10/02/2014	ND	400	100	400	7.69	

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 91.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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



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:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 2' (H402989-02)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 61-154

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	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 96.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 93.9 % 52.1-176

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:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H402989-03)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 93.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 91.5 % 52.1-176

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:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 2' (H402989-04)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-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	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 96.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.4 % 52.1-176

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Analytical Results For:

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

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 3' (H402989-05)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 61-154

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	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.3 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H402989-06)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/02/2014	ND	400	100	400	7.69	

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 97.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.1 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 2' (H402989-07)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/02/2014	ND	400	100	400	7.69	

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.1 % 52.1-176

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Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 3' (H402989-08)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 61-154

Chloride, SM4500CI-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	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 100 % 52.1-176

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Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1' (H402989-09)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/02/2014	ND	400	100	400	7.69	

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.2 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 3' (H402989-10)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/02/2014	ND	400	100	400	7.69	

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 5' (H402989-11)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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	10/02/2014	ND	400	100	400	7.69		

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	10/03/2014	ND	179	89.3	200	1.02	
DRO >C10-C28	<10.0	10.0	10/03/2014	ND	183	91.3	200	0.265	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1' (H402989-12)

BTX 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	10/02/2014	ND	1.66	82.9	2.00	10.3		
Toluene*	<0.050	0.050	10/02/2014	ND	1.56	77.8	2.00	10.6		
Ethylbenzene*	<0.050	0.050	10/02/2014	ND	1.47	73.6	2.00	11.1		
Total Xylenes*	<0.150	0.150	10/02/2014	ND	4.33	72.1	6.00	12.0		
Total BTX	<0.300	0.300	10/02/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500CI-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	10/02/2014	ND	400	100	400	7.69	

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	10/06/2014	ND	181	90.5	200	3.56	
DRO >C10-C28	<10.0	10.0	10/06/2014	ND	187	93.4	200	6.02	

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.4 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	10/01/2014	Sampling Date:	09/30/2014
Reported:	10/06/2014	Sampling Type:	Soil
Project Name:	LOST TANK 3 FEDERAL #15	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 2' (H402989-13)

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	10/03/2014	ND	1.90	95.2	2.00	2.17		
Toluene*	<0.050	0.050	10/03/2014	ND	1.83	91.4	2.00	0.748		
Ethylbenzene*	<0.050	0.050	10/03/2014	ND	1.71	85.4	2.00	2.04		
Total Xylenes*	<0.150	0.150	10/03/2014	ND	5.04	84.0	6.00	2.57		
Total BTEx	<0.300	0.300	10/03/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 61-154

Chloride, SM4500CI-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	10/02/2014	ND	400	100	400	7.69		

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	10/06/2014	ND	181	90.5	200	3.56	
DRO >C10-C28	<10.0	10.0	10/06/2014	ND	187	93.4	200	6.02	

Surrogate: 1-Chlorooctane 91.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.6 % 52.1-176

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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

208

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Lost Tank 3 Federal #15

Project Location: Eddy County, NM

Sampler Name: Price Brunson

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H402989

11
12
13

SP4 @ 5'
SP5 @ 1'
SP5 @ 2'

K20
10/11/14

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

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TIME

BTEX
CI
TPH

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Relinquished By:

Date: 9/30/14

Received By:

Price Brunson

Relinquished By:

Date: 9/30/14

Received By:

Price Brunson

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-4.60c

Sample Condition
☒ Cool
☐ Intact
☐ Yes
☐ No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

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

#54

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Monday, November 03, 2014 11:26 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD
Subject: RE: OXY - Lost Tank 3 Federal #15 - Remediation Plan

RE: OXY USA * Lost Tank 3 Fed 15 * 30-015-37961 * E-3-22s-31e * Eddy County, NM
NMOCD Tracking: 2RP-2544 * Date of release: 9/15/14

Cliff,

Your proposal for remediation of the above referenced release is approved. 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 P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, October 29, 2014 3:24 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Lost Tank 3 Federal #15 - Remediation Plan

Mike,

This e-mail is to confirm our conversation on October 28, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 6 inches across the entire leak area. All of the spill area is depicted on the attached site diagram. The site will then be backfilled with clean soil.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
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
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Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Thursday, October 30, 2014 11:44 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY - Lost Tank 3 Federal #15 - Remediation Plan

Cliff,

This plan is approved as written.

Bests,
Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Wed, Oct 29, 2014 at 3:23 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Sol,

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 spill area. All of these areas are depicted on the attached site diagram. Then the site will then be backfilled with clean soil.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
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World-Wide Environmental Specialists
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