

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:	<u>OIL CONSERVATION DIVISION</u>		
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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
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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.

<p>Chris Jones Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, email=cjones88@yahoo.com, c=US Date: 2015.05.12 09:45:53 -0500</p>	OIL CONSERVATION DIVISION	
	Approved by Environmental Specialist:	
Printed Name: Christopher Jones	Approval Date:	Expiration Date:
Title: HES Specialist	Conditions of Approval:	
E-mail Address: Christopher.Jones@oxy.com	Attached <input type="checkbox"/>	
Date:	Phone: (575) 628-4121	

* Attach Additional Sheets If Necessary



Oxy

Lost Tank 3 Federal #15

Overspray
45' x 10'

Location Pad

1' x 5'

1' x 12'

10' x 1'

60' x 4'

12' x 10'

75' x 40'

4'

67' x 46'

65' x 50'

95' x 67'

XSP2

43' x 6'

SP3

SP1

XSP5

Surface Scrape (6") the
entire spill area



Pumpjacks

30' x 14'

12'

20' x 15'

Pasture

150'

Road

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

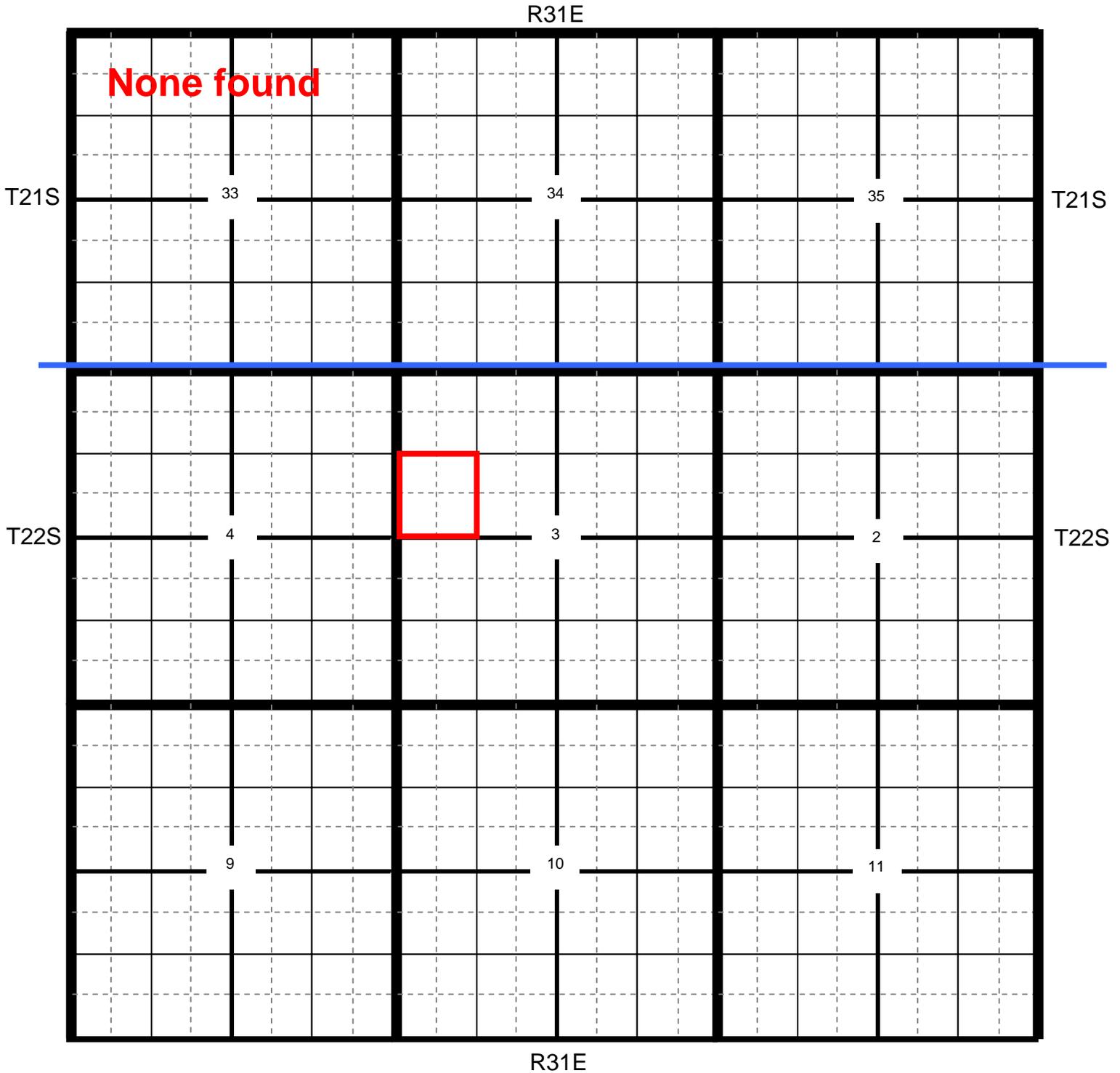
Unit Letter
E

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

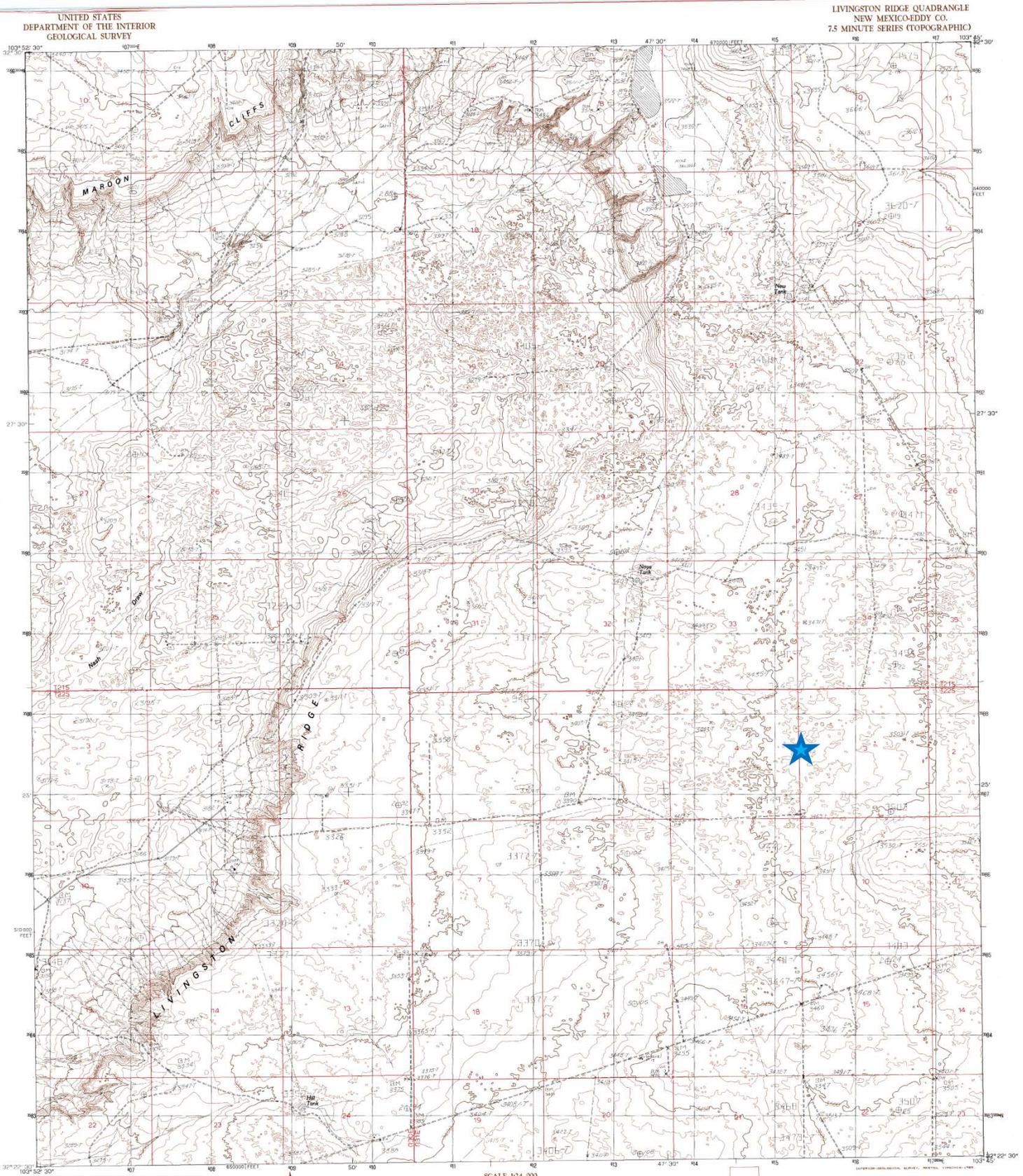
NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter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

3

4

Oxy

Lost Tank 3 Federal #15



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY THE UNITED STATES GEOLOGICAL SURVEY
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN USA 50/50/50
FIELD CHECKED 1978 MAP DATED 1978
PROJECTION TRANSVERSE MERCATOR
GRID ADJUSTED UNIVERSAL TRANSVERSE MERCATOR
BANKERS' EAST GRID TIE NEW MEXICO EAST ZONE
UTM GRID ENCLOSURE 1960 NORTH AMERICAN DATUM
US ALGACITE NORTH GRID TIE 1960 NORTH AMERICAN DATUM
VERTICAL DATUM NATIONAL GEODESIC SURVEY DATUM OF 1983
HORIZONTAL DATUM 1960 NORTH AMERICAN DATUM
To place on the projected North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
19 meters south and 46 meters east.
There may be previous holdings within the boundaries of any
Federal and State Reservations shown on this map.
All marginal data and lettering generated and positioned by
automated type placement procedures.

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
field check. 3



NEW MEXICO

QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

ADJOINING 7.5 QUADRANGLE NAMES

ROAD LEGEND

Improved Road

Unimproved Road

Trail

Interstate Route U.S. Route State Route

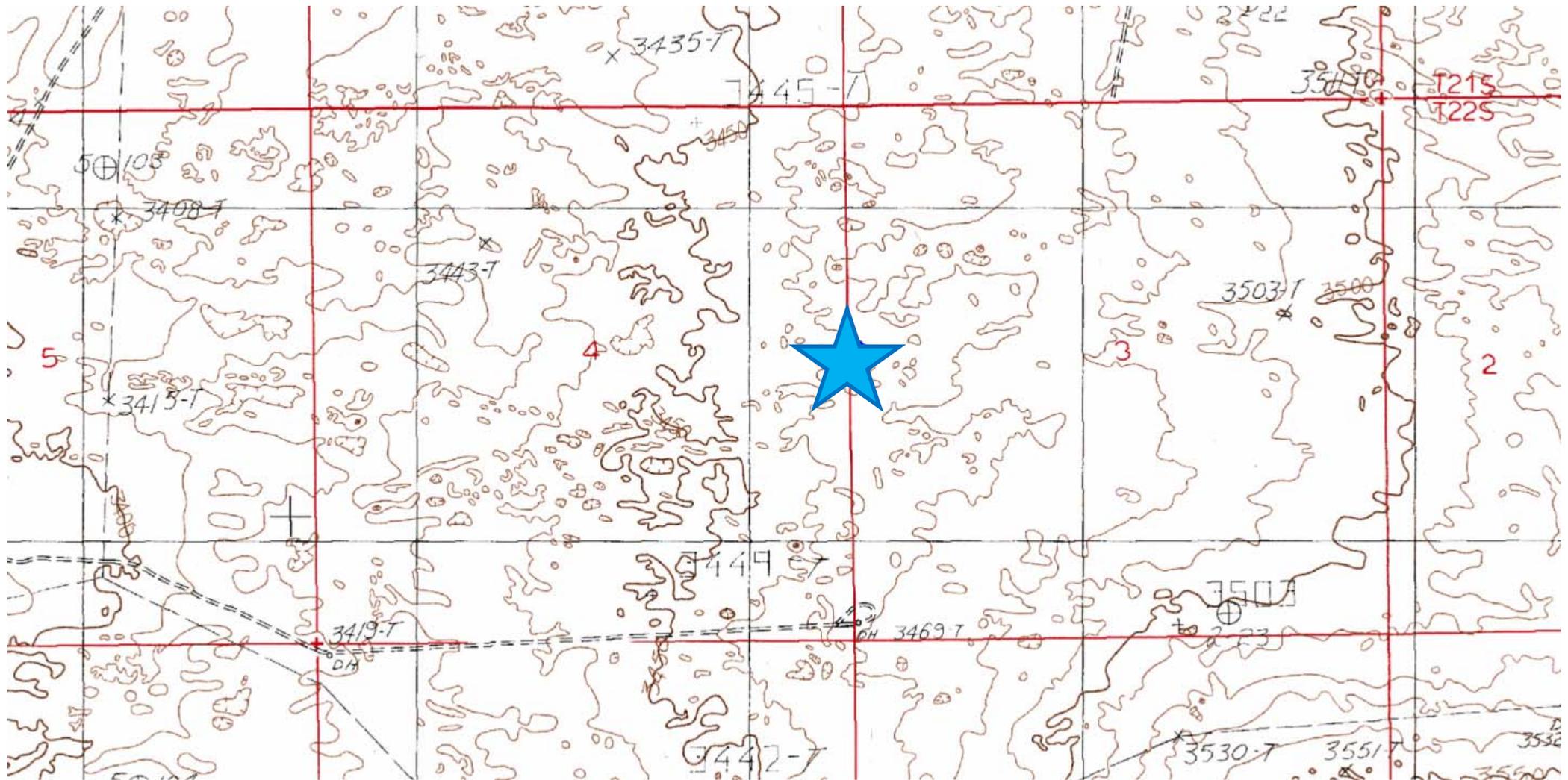
LIVINGSTON RIDGE, NEW MEXICO
PROVISIONAL EDITION 1985

3103437-11-014

THIS MAP COMPLETS WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DOWNEY, COLORADO 80225
OR RESTON, VIRGINIA 22092

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	SM4500CI-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	SM4500CI-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	SM4500CI-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	SM4500CI-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	SM4500CI-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,

A handwritten signature in black ink that reads "Celey D. Keene".

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)

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	10/02/2014	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 BTEX	<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)

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	10/02/2014	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 BTEX	<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

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 2 @ 1' (H402989-03)

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	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 BTEX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	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)

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	10/02/2014	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 BTEX	<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 96.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.4 % 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 2 @ 3' (H402989-05)

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	10/02/2014	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 BTEX	<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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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)

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	10/02/2014	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 BTEX	<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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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)

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	10/02/2014	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 BTEX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	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)

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	10/02/2014	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 BTEX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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 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)

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	10/02/2014	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 BTEX	<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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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)

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	10/02/2014	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 BTEX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	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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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)

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	10/02/2014	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 BTEX	<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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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)

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	10/02/2014	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 BTEX	<0.300	0.300	10/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	10/06/2014	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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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, 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	10/06/2014	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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*=Accredited Analyte

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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

182

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs
 State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 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 #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H402984	SP1 @ 1'	G	1	<input checked="" type="checkbox"/>	9/30/14	9:10 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP1 @ 2'	G	1	<input checked="" type="checkbox"/>	9/30/14	9:30 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP2 @ 1'	G	1	<input checked="" type="checkbox"/>	9/30/14	10:10 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP2 @ 2'	G	1	<input checked="" type="checkbox"/>	9/30/14	10:30 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP2 @ 3'	G	1	<input checked="" type="checkbox"/>	9/30/14	10:50 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP3 @ 1'	G	1	<input checked="" type="checkbox"/>	9/30/14	11:20 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP3 @ 2'	G	1	<input checked="" type="checkbox"/>	9/30/14	11:40 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP3 @ 3'	G	1	<input checked="" type="checkbox"/>	9/30/14	12:00 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP4 @ 1'	G	1	<input checked="" type="checkbox"/>	9/30/14	1:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	SP4 @ 3'	G	1	<input checked="" type="checkbox"/>	9/30/14	2:00 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

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Retrieved By: *Cliff Brunson*
 Date: 9/30/14
 Time: 9:00 AM

Relinquished By: *Cliff Brunson*
 Date: 9/30/14
 Time: 10:00 AM

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: *4.62*

Sample Condition
 Cool Intact
 Yes No

CHECKED BY: *Cliff Brunson*

REMARKS:

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

208

BILL TO ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
Project Manager: Cliff Brunson Company:
Address: P.O. Box 805 State: NM zip: 88241
City: Hobbs Attn:
Phone #: 575-397-6388 Fax #: 575-397-0397 Address:
Project #: Project Owner: Oxy City:
Project Name: Lost Tank 3 Federal #15 State: Zip:
Project Location: Eddy County, NM Phone #:
Sampler Name: Price Brunson Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	CI	TPH
H4D2989																	
11	SP4 @ 5'	G	1			✓					✓		9/30/14	2:20 PM	✓	✓	✓
12	SP5 @ 1'	G	1			✓					✓		9/30/14	2:40 PM	✓	✓	✓
13	SP5 @ 2'	G	1			✓					✓		9/30/14	2:50 PM	✓	✓	✓

READ 10/11/14

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Relinquished By: *[Signature]* Date: 9/30/14 Received By: *[Signature]* Date: 9/30/14
 Relinquished By: *[Signature]* Date: 9/30/14 Received By: *[Signature]* Date: 10/10/14
 Delivered By: (Circle One) UPS Bus Other: -4.6°C
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*

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
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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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
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
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Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
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E-Mail: cbrunson@bbcinternational.com

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