

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	Buckeye State Com East Oil Tank	Facility Type	Gathering
Surface Owner	State	Mineral Owner	API No. 30-025-24237(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	20	17S	35E					Lea County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	86 bbls	Volume Recovered	50 bbls
Source of Release	Internal corrosion caused a hole to form 6 inches from the bottom of the tank	Date and Hour of Occurrence	05/05/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	05/05/2014 @ 2:35 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.*

Internal corrosion caused a hole to form 6 inches from the bottom of the tank on the East side. This caused 86 bbls of oil to leak onto the ground. A vacuum truck recovered 50 bbls of oil and the tank was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 20' on location. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 08/11/2014.

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:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Chancey Summers	Approved by Environmental Specialist: Jocelyn Harimon		
Title: HES Advisor	Approval Date: 07/13/2023	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9-16-14 Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

From: [Ken Swinney](#)
To: yolanda@bbcinternational.com
Subject: FW: Closure Report, Buckeye State Com East Oil Tank
Date: Monday, March 4, 2019 3:58:50 PM

From: Oberding, Tomas, EMNRD [mailto:Tomas.Oberding@state.nm.us]
Sent: Monday, September 22, 2014 3:58 PM
To: Kathy Purvis <kathy@bbcinternational.com>
Cc: C J Summers <Chancey_Summers@oxy.com>; Susan Miller <susan_miller@oxy.com>; cbrunson@bbcinternational.com; kswinney@bbcinternational.com; jgilkey@bbcinternational.com
Subject: RE: Closure Report, Buckeye State Com East Oil Tank

Aloha Ms. Purvis et al,

Thank you for sending in this closure document.
Please consider this the OCD notice of receipt.

Based on the previous work and sample results included, OCD considers this event finished.

If you have any questions please let me know.
I will enter it into the system presently.

Thank you for your patience, and my apologies if I appeared curt in the email earlier.
Mahalo
-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Kathy Purvis [mailto:kathy@bbcinternational.com]
Sent: Monday, September 22, 2014 3:46 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Susan Miller; cbrunson@bbcinternational.com; kswinney@bbcinternational.com; jgilkey@bbcinternational.com
Subject: Closure Report, Buckeye State Com East Oil Tank

Attached is the closure report for a leak that occurred at the Buckeye State Com East Oil Tank on

05/05/2014 in Lea County, NM. Receipt notification and closure approval via email is greatly appreciated. 1RP 3222

Kathy Purvis

BBC International, Inc.

1324 W. Marland

Hobbs, NM 88240

Phone: (575) 397-6388

Fax: (575) 397-0397

Email: kathy@bbcinternational.com

Closure Report

Site Description

Site Name:	Buckeye State Com East Oil Tank
Company:	Oxy Permian Ltd.
Legal Description:	U/L H, Section 20, T17S, R35E
County:	Lea County, NM
GPS Coordinates:	N 32.82197° W 103.47354°

Release Data

Date of Release:	05/05/2014
Type of Release:	Oil
Source of Release:	Hole in tank due to internal corrosion
Volume of Release:	86 bbls
Volume Recovered:	50 bbls

Remediation Specifications

Remediation Parameters:	Excavate to a depth of 3 feet across the entire leak site. Then, backfill the site with clean soil.	
Remediation Activities:	08/20/2014 to 08/29/2014	
Plan Sent to OCD:	08/11/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	08/11/2014	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation

Initial C-141	Signed 05/19/2014
Final C-141	Signed 09/16/2014
Site Diagram	May 2014
Groundwater Plot	50'-100'
TOPO Maps	May 2014
Lab Summary	07/14/2014
Lab Analysis	07/14/2014
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.

09/22/2014

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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	Buckeye State Com East Oil Tank	Facility Type	Gathering
Surface Owner	State	Mineral Owner	
		API No.	30-025-24237(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	20	17S	35E					Lea County, NM

Latitude N32.82197° Longitude W103.47354°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	86 bbls	Volume Recovered	50 bbls
Source of Release	Internal corrosion caused a hole to form 6 inches from the bottom of the tank	Date and Hour of Occurrence	05/05/2014	Date and Hour of Discovery	
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By Whom?	Kathy Purvis, BBC International	Date and Hour	05/05/2014 @ 2:35 pm		
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If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion caused a hole to form 6 inches from the bottom of the tank on the East side. This caused 86 bbls of oil to leak onto the ground. A vacuum truck recovered 50 bbls of oil and the tank was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 20' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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 Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>5-19-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

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Facility Name	Buckeye State Com East Oil Tank	Facility Type	Gathering
Surface Owner	State	Mineral Owner	
		API No.	30-025-24237(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	20	17S	35E					Lea County, NM

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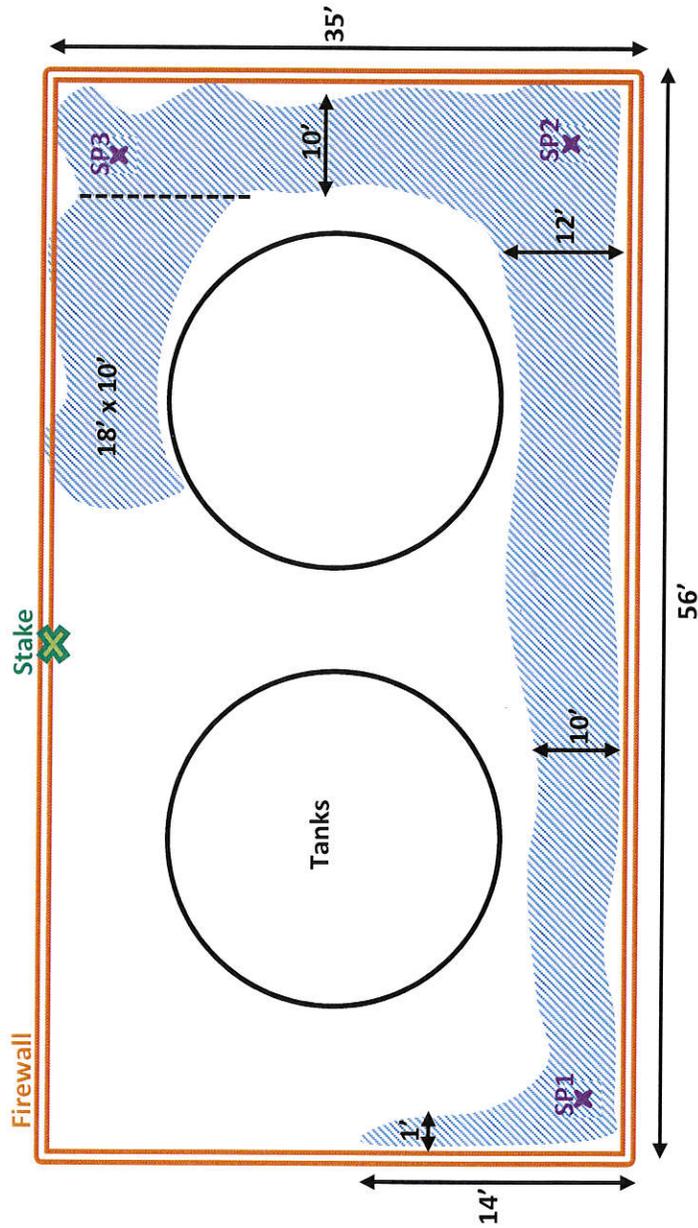
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>9-16-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

Oxy

Buckeye State Com East Oil Tank



U/L H, Section 20, T17S, R35E
 Lea County, NM
 N 32.82197° W 103.47354° at stake
 API# 30-025-24237 (nearest well)

BBC International, Inc.	
Oxy	
Buckeye State Com East Oil Tank	
Date: 05/22/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	



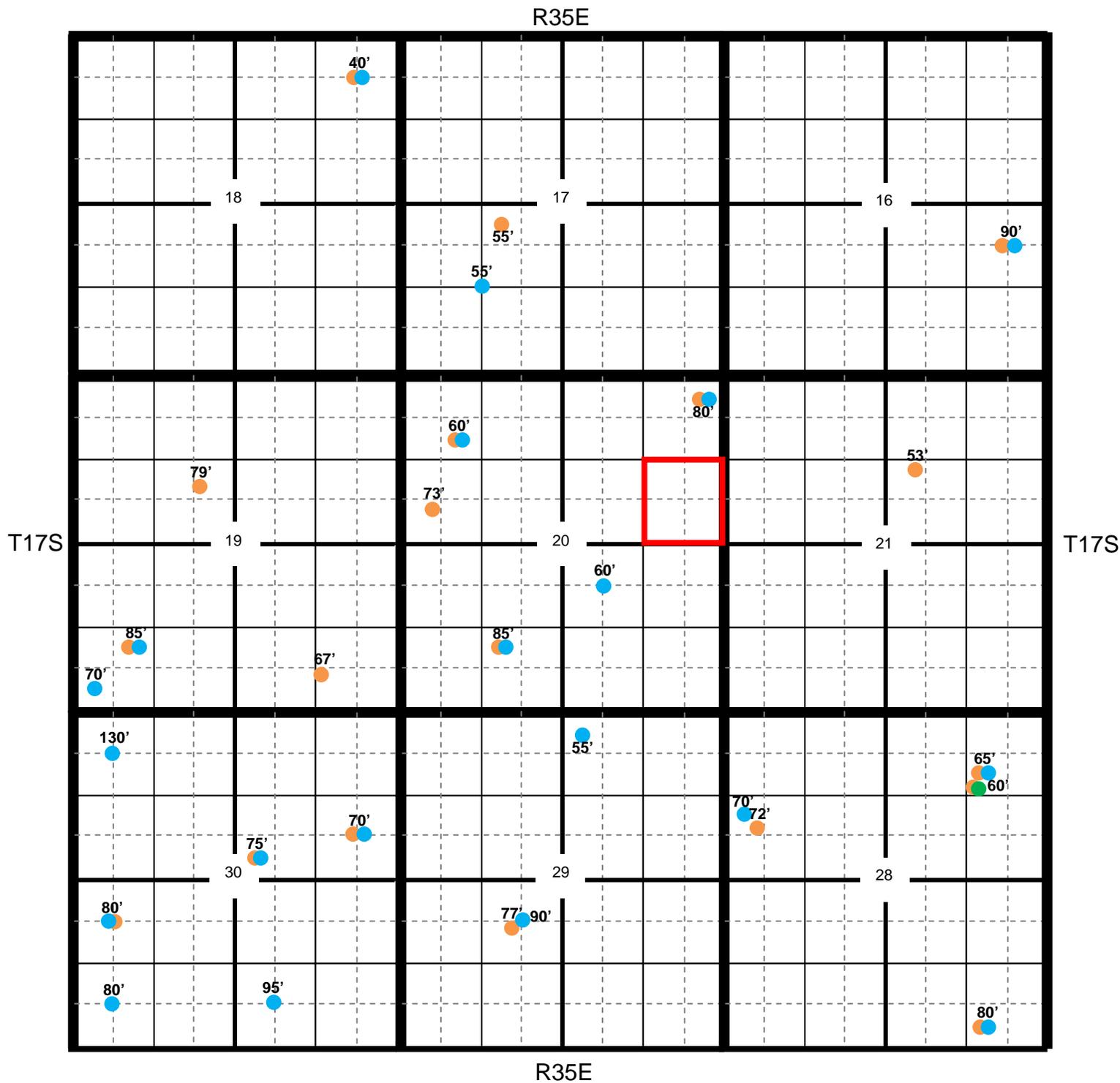


Groundwater Plot

Oxy Buckeye State Com East Oil Tank

County Lea	Unit Letter H	Section 20	Township 17S	Range 35E
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Trend Map 50'-100'



● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases



Section Quarters

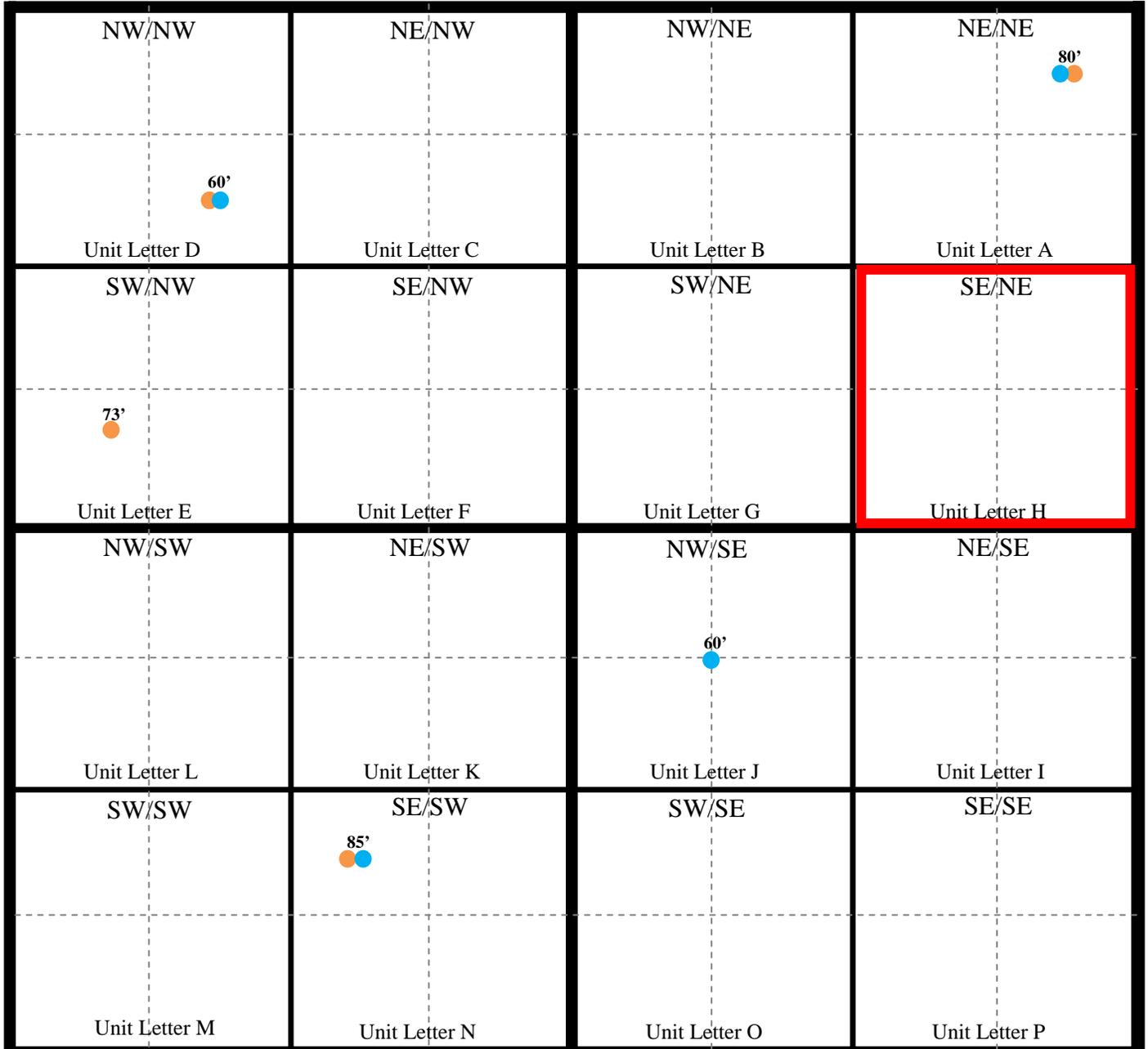
Oxy Buckeye State Com East Oil Tank

County	Unit Letter	Section	Township	Range
Lea	H	20	17S	35E

Trend Map 50'-100'

1

2



3

4

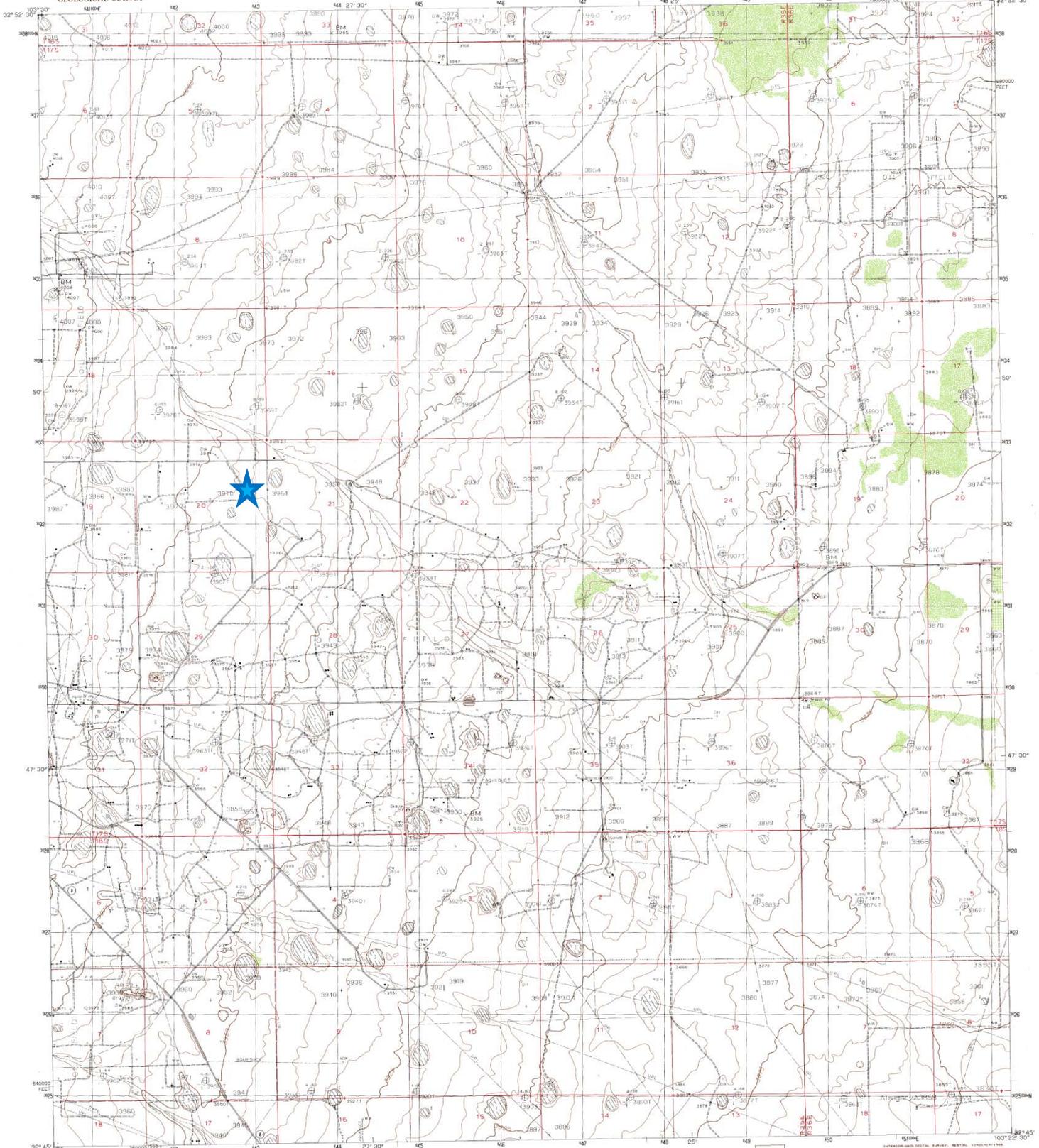
● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases

Oxy

Buckeye State Com East Oil Tank

LOVINGTON SW QUADRANGLE
NEW MEXICO-LEA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY DECA NOVEMBER
CORRECTED FROM AERIAL PHOTOGRAPHS TAKEN 1959
FIELD CHECKED 1959 MAP EDITED TRANSMISSION AGENCY
PROJECTION TRANSVERSE MERCATOR
GRID INADAPTED TO NATIONAL TRANSVERSE MERCATOR 1983
NAD 83 STATE GRID TIES NEW MEXICO EAST ZONE
UTM GRID INADAPTED TO NATIONAL GEODETIC DATUM OF 1983
MAGNETIC NORTH DECLINATION 1959 EAST
MAGNETIC DATUM NORTH AMERICAN DATUM
HORIZONTAL DATUM NORTH AMERICAN DATUM OF 1983
To place on the predicated North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
(8 meters south and 45 meters east).
There may be private landholdings 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 checks. 3



QUADRANGLE LOCATION

1	2	3	1 Indian NE
2	3	4	2 Laguna SW
3	4	5	3 Laguna SW
4	5	6	4 Laguna SW
5	6	7	5 Laguna SW
6	7	8	6 Laguna SW
7	8	9	7 Laguna SW
8	9	10	8 Laguna SW

ADJOINING 7.5 QUADRANGLE NUMBERS

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Intermittent Road U.S. Route State Route

LOVINGTON SW, NEW MEXICO
PROVISIONAL EDITION 1985
32D364-TF024

Laboratory Analytical Results Summary
 Buckeye State Com East Oil Tank

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	7/11/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	0.768	<0.050
Toluene	BTEX 8021B		37.5	5.12	<0.050
Ethylbenzene	BTEX 8021B		87.6	9.45	0.054
Total Xylenes	BTEX 8021B		230	18.3	<0.150
Total BTEX	BTEX 8021B		355	33.7	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	32
GRO	TPH 8015M		2300	279	<50.0
DRO	TPH 8015M		20500	6600	706

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	7/14/14	7/14/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.917	1.84	<0.050	<0.050
Toluene	BTEX 8021B		19.5	8.06	0.095	<0.050
Ethylbenzene	BTEX 8021B		47.5	14.2	0.143	<0.050
Total Xylenes	BTEX 8021B		108	27.9	0.269	<0.150
Total BTEX	BTEX 8021B		176	51.9	0.507	<0.300
Chloride	SM4500CI-B		112	<16.0	32	16
GRO	TPH 8015M		1320	402	<50.0	<10.0
DRO	TPH 8015M		16300	7620	879	64.3

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	7/14/14	7/14/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		11.5	4.84	<0.100	<0.050
Toluene	BTEX 8021B		98.5	53.9	0.481	<0.050
Ethylbenzene	BTEX 8021B		156	81.2	2.26	<0.050
Total Xylenes	BTEX 8021B		327	216	7	<0.150
Total BTEX	BTEX 8021B		593	356	9.74	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	192	48
GRO	TPH 8015M		3580	2320	171	<10.0
DRO	TPH 8015M		18800	16300	4560	106



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

July 21, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BUCKEYE STATE COM E OIL TANK

Enclosed are the results of analyses for samples received by the laboratory on 07/15/14 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". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 1' (H402144-01)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	37.5	2.00	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	87.6	2.00	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	230	6.00	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	355	12.0	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	<16.0	16.0	07/18/2014	ND	416	104	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	2300	200	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	20500	200	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 208 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.4 % 63.6-154

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



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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 2' (H402144-02)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.768	0.200	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	5.12	0.200	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	9.45	0.200	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	18.3	0.600	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	33.7	1.20	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/18/2014	ND	416	104	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	279	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	6600	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 3' (H402144-03)

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	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	<0.050	0.050	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	0.054	0.050	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	<0.150	0.150	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	<0.300	0.300	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	706	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Analytical Results For:

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 Cliff Brunson
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Received:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 1' (H402144-04)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.917	0.500	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	19.5	0.500	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	47.5	0.500	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	108	1.50	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	176	3.00	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/18/2014	ND	416	104	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	1320	100	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	16300	100	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 178 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.8 % 63.6-154

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Analytical Results For:

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Fax To: (575) 397-0397

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 2' (H402144-05)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.84	0.200	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	8.06	0.200	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	14.2	0.200	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	27.9	0.600	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	51.9	1.20	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/18/2014	ND	416	104	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	402	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	7620	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 177 % 65.2-140

Surrogate: 1-Chlorooctadecane 224 % 63.6-154

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Fax To: (575) 397-0397

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 3' (H402144-06)

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	07/21/2014	ND	2.39	120	2.00	0.411	
Toluene*	0.095	0.050	07/21/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	0.143	0.050	07/21/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	0.269	0.150	07/21/2014	ND	7.63	127	6.00	0.278	
Total BTEX	0.507	0.300	07/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	879	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 4' (H402144-07)

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	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	<0.050	0.050	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	<0.050	0.050	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	<0.150	0.150	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	<0.300	0.300	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

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	07/18/2014	ND	416	104	400	0.00	

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	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	64.3	10.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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Fax To: (575) 397-0397

Received:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 1' (H402144-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.5	5.00	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	98.5	5.00	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	156	5.00	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	327	15.0	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	593	30.0	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/18/2014	ND	416	104	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	3580	200	07/17/2014	ND	179	89.7	200	2.05		
DRO >C10-C28	18800	200	07/17/2014	ND	194	96.8	200	2.02		

Surrogate: 1-Chlorooctane 217 % 65.2-140

Surrogate: 1-Chlorooctadecane 501 % 63.6-154

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Analytical Results For:

BBC International, Inc.
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 Fax To: (575) 397-0397

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 2' (H402144-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.84	2.00	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	53.9	2.00	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	81.2	2.00	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	216	6.00	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	356	12.0	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

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	07/18/2014	ND	416	104	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	2320	200	07/17/2014	ND	179	89.7	200	2.05		
DRO >C10-C28	16300	200	07/17/2014	ND	194	96.8	200	2.02		

Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 436 % 63.6-154

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Analytical Results For:

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Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 3' (H402144-10)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	0.481	0.100	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	2.26	0.100	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	7.00	0.300	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	9.74	0.600	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/18/2014	ND	416	104	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	171	50.0	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	4560	50.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 181 % 63.6-154

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Fax To: (575) 397-0397

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 4' (H402144-11)

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	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	<0.050	0.050	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	<0.050	0.050	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	<0.150	0.150	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	<0.300	0.300	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-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	07/18/2014	ND	416	104	400	0.00	

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	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	106	10.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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

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.
QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration.
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 SM450Cl-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

Celest 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

DUX
5/18/22

Company Name: BBC International, Inc.		P.O. #:	ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:		
Address: P. O. Box 805		Attn:		
City: Hobbs		Address: <i>5th</i>		
State: NM Zip: 88241		City:		
Phone #: 575-397-6388 Fax #: 575-397-0397		State:		
Project #: <i>DX</i>		Zip:		
Project Name: <i>Buckeye State Conv. F. Oil Tank</i>		Phone #:		
Project Location: <i>Buckeye, NM</i>		Fax #:		
Sampler Name: <i>John Danelos</i>				
FOR LAB USE ONLY				
Lab I.D. <i>H00244</i>	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	
		GROUNDWATER		
		WASTEWATER		
		SOIL		
		OIL		
		SLUDGE		
		OTHER:		
		ACID/BASE:		
		ICE / COOL		
		OTHER:		
		DATE	TIME	
	<i>SP101</i>	<i>7.11</i>	<i>945</i>	<i>X</i>
	<i>02</i>	<i>7.14</i>	<i>900</i>	<i>X</i>
	<i>03</i>	<i>7.14</i>	<i>945</i>	<i>X</i>
	<i>SP201</i>	<i>7.11</i>	<i>1135</i>	<i>X</i>
	<i>02</i>	<i>7.14</i>	<i>1030</i>	<i>X</i>
	<i>03</i>	<i>7.14</i>	<i>1058</i>	<i>X</i>
	<i>SP301</i>	<i>7.14</i>	<i>1119</i>	<i>X</i>
	<i>02</i>	<i>7.11</i>	<i>133</i>	<i>X</i>
	<i>03</i>	<i>7.14</i>	<i>1255</i>	<i>X</i>
	<i>03</i>	<i>7.14</i>	<i>143</i>	<i>X</i>
				<i>CL -</i>
				<i>BTEX</i>
				<i>TPH</i>

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Relinquished By: *[Signature]* Date: *7/14/14* Received By: *[Signature]* Date: *7/14/14*
 Time: *5:00pm*

Relinquished By: *[Signature]* Date: *7/14/14* Received By: *[Signature]* Date: *7/14/14*
 Time: *12:00*

Delivered By: (Strike One) *[Signature]* Sample Condition: *[Signature]* CHECKED BY: *[Signature]*
 Cooler Intact: Yes No

Sampler - UPS - Bus - Other: *5.70*

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

#54

Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>
Sent: Monday, August 11, 2014 9:00 AM
To: Kathy Purvis
Subject: RE: OXY-Buckeye State Com East Oil Tank-Remediation Plan

Aloha Ms. Purvis,

I apologize, yes please consider this mail as the official notice of approval.
After discussing this site with BBCI, NMOCD approves the submitted remediation plan.
Please keep me informed as the situation warrants. Your initial C-141 should be accessible online now linked with the RP number provided below.
Let me know if you have any other questions.
Mahalo
-Doc

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Kathy Purvis [<mailto:kathy@bbcinternational.com>]
Sent: Monday, August 11, 2014 8:53 AM
To: Oberding, Tomas, EMNRD
Subject: RE: OXY-Buckeye State Com East Oil Tank-Remediation Plan

Is this considered the approval email for this site?

Kathy Purvis
BBC International, Inc.
1324 W. Marland
Hobbs, NM 88240
Phone: (575) 397-6388
Fax: (575) 397-0397
Email: kathy@bbcinternational.com

From: Oberding, Tomas, EMNRD [<mailto:Tomas.Oberding@state.nm.us>]
Sent: Friday, August 08, 2014 10:58 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Buckeye State Com East Oil Tank-Remediation Plan

Your RP for this event is:

1RP-3222

Tomáš 'Doc' Oberding, PhD
Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240
(O): (575) 393-6161 ext 111
(C): 575-370-3180
(F): (575) 393-0720
E-Mail: tomas.oberding@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Thursday, August 07, 2014 4:13 PM
To: Oberding, Tomas, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Buckeye State Com East Oil Tank-Remediation Plan

Tomas,

This e-mail is to confirm our conversation today, August 7, 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 3 feet in the entire leak area as 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

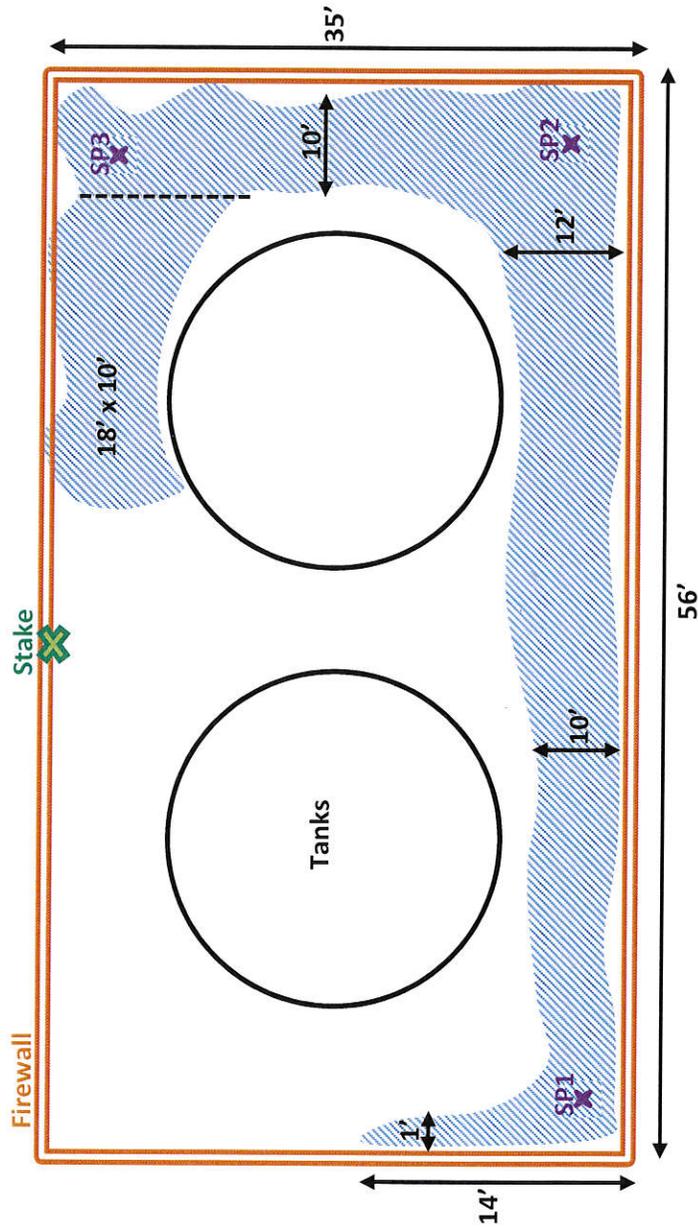
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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Oxy

Buckeye State Com East Oil Tank



U/L H, Section 20, T17S, R35E
 Lea County, NM
 N 32.82197° W 103.47354° at stake
 API# 30-025-24237 (nearest well)

BBC International, Inc.	
Oxy	
Buckeye State Com East Oil Tank	
Date: 05/22/2014	DRWG by: K. Purvis
NOT TO SCALE	
File: Oxy 2014	

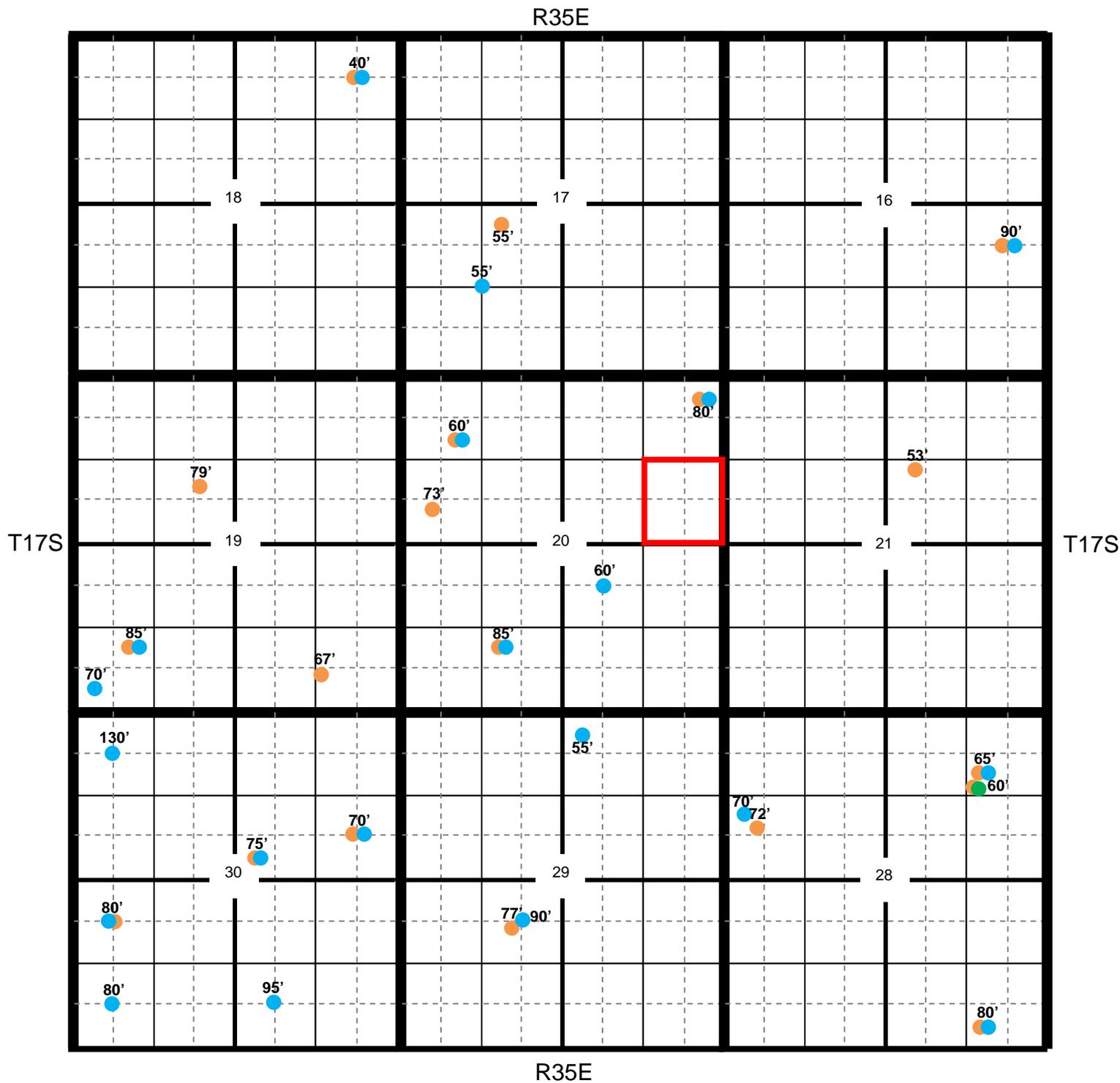


Groundwater Plot

Oxy Buckeye State Com East Oil Tank

County Lea	Unit Letter H	Section 20	Township 17S	Range 35E
----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 50'-100'



● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases



Section Quarters

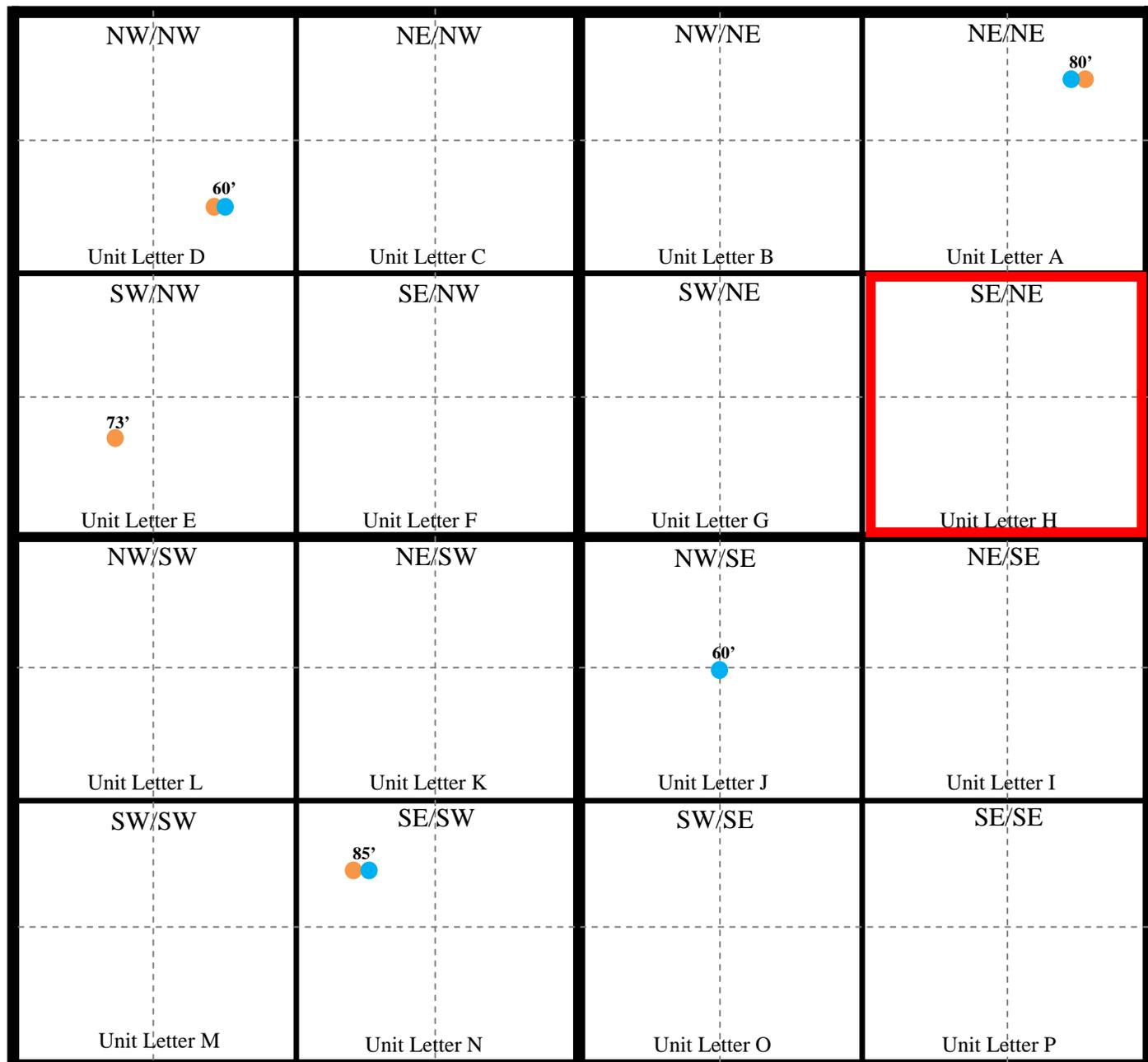
Oxy Buckeye State Com East Oil Tank

County Lea	Unit Letter H	Section 20	Township 17S	Range 35E
----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 50'-100'

1

2



3

4

● Location
 ● OCD
 ● USGS
 ● SEO
 ● All Databases

**Laboratory Analytical Results Summary
 Buckeye State Com East Oil Tank**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	7/11/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	0.768	<0.050
Toluene	BTEX 8021B		37.5	5.12	<0.050
Ethylbenzene	BTEX 8021B		87.6	9.45	0.054
Total Xylenes	BTEX 8021B		230	18.3	<0.150
Total BTEX	BTEX 8021B		355	33.7	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	32
GRO	TPH 8015M		2300	279	<50.0
DRO	TPH 8015M		20500	6600	706

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	7/14/14	7/14/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.917	1.84	<0.050	<0.050
Toluene	BTEX 8021B		19.5	8.06	0.095	<0.050
Ethylbenzene	BTEX 8021B		47.5	14.2	0.143	<0.050
Total Xylenes	BTEX 8021B		108	27.9	0.269	<0.150
Total BTEX	BTEX 8021B		176	51.9	0.507	<0.300
Chloride	SM4500CI-B		112	<16.0	32	16
GRO	TPH 8015M		1320	402	<50.0	<10.0
DRO	TPH 8015M		16300	7620	879	64.3

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	7/14/14	7/14/14	7/14/14	7/14/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		11.5	4.84	<0.100	<0.050
Toluene	BTEX 8021B		98.5	53.9	0.481	<0.050
Ethylbenzene	BTEX 8021B		156	81.2	2.26	<0.050
Total Xylenes	BTEX 8021B		327	216	7	<0.150
Total BTEX	BTEX 8021B		593	356	9.74	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	192	48
GRO	TPH 8015M		3580	2320	171	<10.0
DRO	TPH 8015M		18800	16300	4560	106



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

July 21, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BUCKEYE STATE COM E OIL TANK

Enclosed are the results of analyses for samples received by the laboratory on 07/15/14 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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 1' (H402144-01)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	07/19/2014	ND	2.39	120	2.00	0.411		
Toluene*	37.5	2.00	07/19/2014	ND	2.24	112	2.00	0.357		
Ethylbenzene*	87.6	2.00	07/19/2014	ND	2.37	119	2.00	0.167		
Total Xylenes*	230	6.00	07/19/2014	ND	7.63	127	6.00	0.278		
Total BTEX	355	12.0	07/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	<16.0	16.0	07/18/2014	ND	416	104	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	2300	200	07/17/2014	ND	182	91.1	200	0.0187		
DRO >C10-C28	20500	200	07/17/2014	ND	196	98.1	200	1.06		

Surrogate: 1-Chlorooctane 208 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 2' (H402144-02)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.768	0.200	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	5.12	0.200	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	9.45	0.200	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	18.3	0.600	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	33.7	1.20	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	<16.0	16.0	07/18/2014	ND	416	104	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	279	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	6600	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 128 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 1 @ 3' (H402144-03)

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	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	<0.050	0.050	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	0.054	0.050	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	<0.150	0.150	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	<0.300	0.300	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	706	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 1' (H402144-04)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.917	0.500	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	19.5	0.500	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	47.5	0.500	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	108	1.50	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	176	3.00	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/18/2014	ND	416	104	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	1320	100	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	16300	100	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 178 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 2' (H402144-05)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.84	0.200	07/19/2014	ND	2.39	120	2.00	0.411		
Toluene*	8.06	0.200	07/19/2014	ND	2.24	112	2.00	0.357		
Ethylbenzene*	14.2	0.200	07/19/2014	ND	2.37	119	2.00	0.167		
Total Xylenes*	27.9	0.600	07/19/2014	ND	7.63	127	6.00	0.278		
Total BTEX	51.9	1.20	07/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 147 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/18/2014	ND	416	104	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	402	50.0	07/17/2014	ND	182	91.1	200	0.0187		
DRO >C10-C28	7620	50.0	07/17/2014	ND	196	98.1	200	1.06		

Surrogate: 1-Chlorooctane 177 % 65.2-140

Surrogate: 1-Chlorooctadecane 224 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 3' (H402144-06)

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	07/21/2014	ND	2.39	120	2.00	0.411	
Toluene*	0.095	0.050	07/21/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	0.143	0.050	07/21/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	0.269	0.150	07/21/2014	ND	7.63	127	6.00	0.278	
Total BTEX	0.507	0.300	07/21/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/17/2014	ND	182	91.1	200	0.0187	
DRO >C10-C28	879	50.0	07/17/2014	ND	196	98.1	200	1.06	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 139 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 2 @ 4' (H402144-07)

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	07/19/2014	ND	2.39	120	2.00	0.411	
Toluene*	<0.050	0.050	07/19/2014	ND	2.24	112	2.00	0.357	
Ethylbenzene*	<0.050	0.050	07/19/2014	ND	2.37	119	2.00	0.167	
Total Xylenes*	<0.150	0.150	07/19/2014	ND	7.63	127	6.00	0.278	
Total BTEX	<0.300	0.300	07/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

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	07/18/2014	ND	416	104	400	0.00	

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	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	64.3	10.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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

Analytical Results For:

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

Received:	07/15/2014	Sampling Date:	07/11/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 1' (H402144-08)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.5	5.00	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	98.5	5.00	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	156	5.00	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	327	15.0	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	593	30.0	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

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	07/18/2014	ND	416	104	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	3580	200	07/17/2014	ND	179	89.7	200	2.05		
DRO >C10-C28	18800	200	07/17/2014	ND	194	96.8	200	2.02		

Surrogate: 1-Chlorooctane 217 % 65.2-140

Surrogate: 1-Chlorooctadecane 501 % 63.6-154

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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 2' (H402144-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.84	2.00	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	53.9	2.00	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	81.2	2.00	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	216	6.00	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	356	12.0	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	07/18/2014	ND	416	104	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	2320	200	07/17/2014	ND	179	89.7	200	2.05		
DRO >C10-C28	16300	200	07/17/2014	ND	194	96.8	200	2.02		

Surrogate: 1-Chlorooctane 171 % 65.2-140

Surrogate: 1-Chlorooctadecane 436 % 63.6-154

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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 3' (H402144-10)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	0.481	0.100	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	2.26	0.100	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	7.00	0.300	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	9.74	0.600	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/18/2014	ND	416	104	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	171	50.0	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	4560	50.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 181 % 63.6-154

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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:	07/15/2014	Sampling Date:	07/14/2014
Reported:	07/21/2014	Sampling Type:	Soil
Project Name:	BUCKEYE STATE COM E OIL TANK	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	BUCKEYE, NM		

Sample ID: SP 3 @ 4' (H402144-11)

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	07/18/2014	ND	2.04	102	2.00	1.13	
Toluene*	<0.050	0.050	07/18/2014	ND	1.91	95.4	2.00	1.62	
Ethylbenzene*	<0.050	0.050	07/18/2014	ND	2.04	102	2.00	0.928	
Total Xylenes*	<0.150	0.150	07/18/2014	ND	6.59	110	6.00	1.30	
Total BTEX	<0.300	0.300	07/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-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	07/18/2014	ND	416	104	400	0.00	

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	07/17/2014	ND	179	89.7	200	2.05	
DRO >C10-C28	106	10.0	07/17/2014	ND	194	96.8	200	2.02	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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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.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 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 SM450Cl-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

Celey D. Keene, Lab Director/Quality Manager

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	Buckeye State Com East Oil Tank	Facility Type	Gathering
Surface Owner	State	Mineral Owner	
		API No.	30-025-24237(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	20	17S	35E					Lea County, NM

Latitude N32.82197° Longitude W103.47354°

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	86 bbls	Volume Recovered	50 bbls
Source of Release	Internal corrosion caused a hole to form 6 inches from the bottom of the tank	Date and Hour of Occurrence	05/05/2014	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?	Geoffrey Leking, NMOCD		
By Whom?	Kathy Purvis, BBC International	Date and Hour	05/05/2014 @ 2:35 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.*

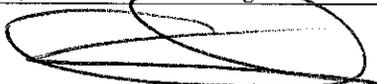
Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion caused a hole to form 6 inches from the bottom of the tank on the East side. This caused 86 bbls of oil to leak onto the ground. A vacuum truck recovered 50 bbls of oil and the tank was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 100' x 20' on location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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 Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>5-19-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary

District I
 1625 N. French Dr., Hobbs, NM 88240
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District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
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Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 194844

CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 52647 Tulsa, OK 74152	OGRID: 256073
	Action Number: 194844
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/13/2023