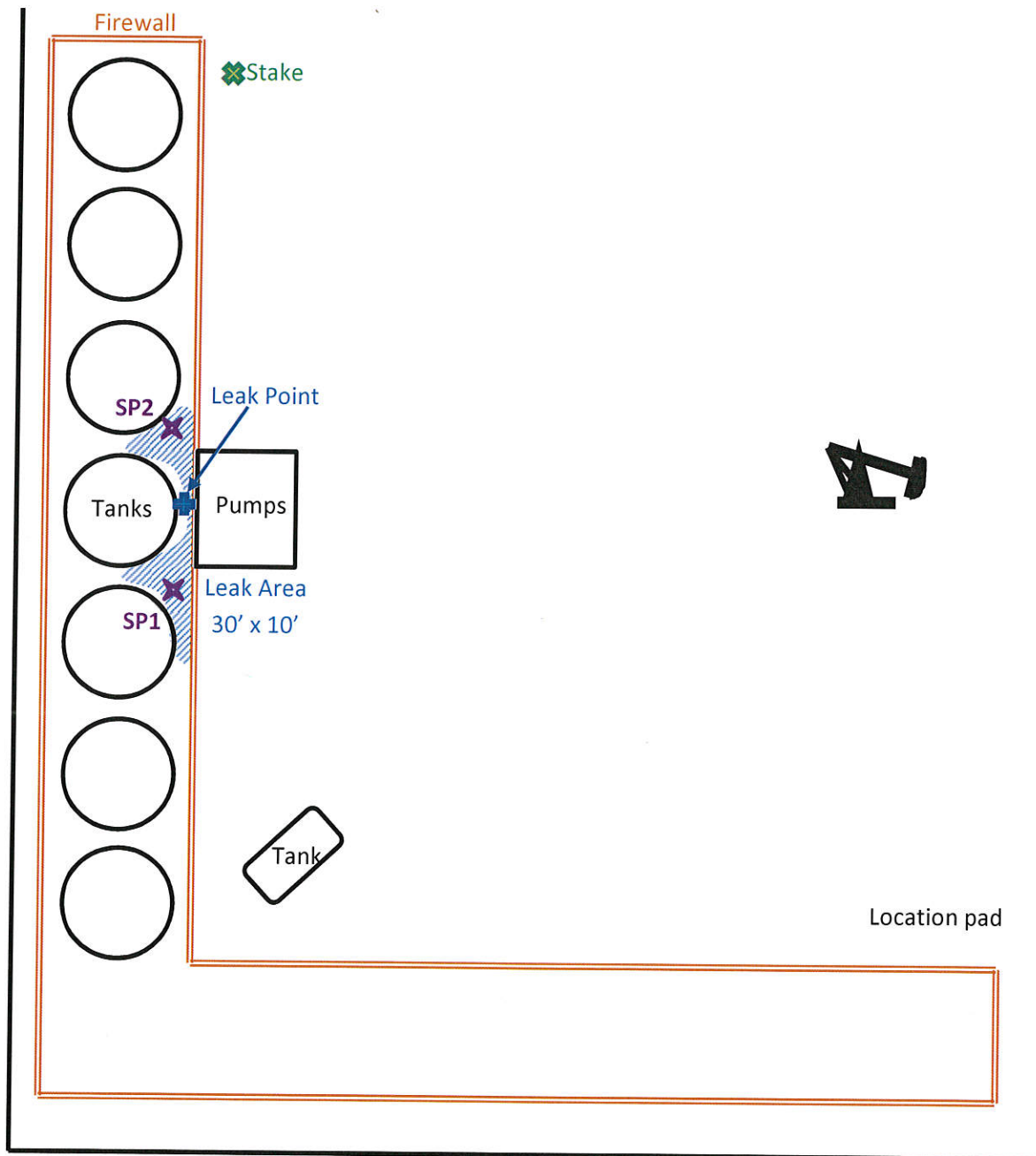




Oxy
Harroun 15 #15 CTB



U/L E, Section 15, T24S, R29E

Eddy County, NM

GPS at stake:

N 32.21975° W 103.97809°

BBC International, Inc.

Oxy

Harroun 15 #15 CTB

Date: 03/06/2014

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2014



Groundwater Plot

Oxy Harroun 15 #15 CTB

County
Eddy

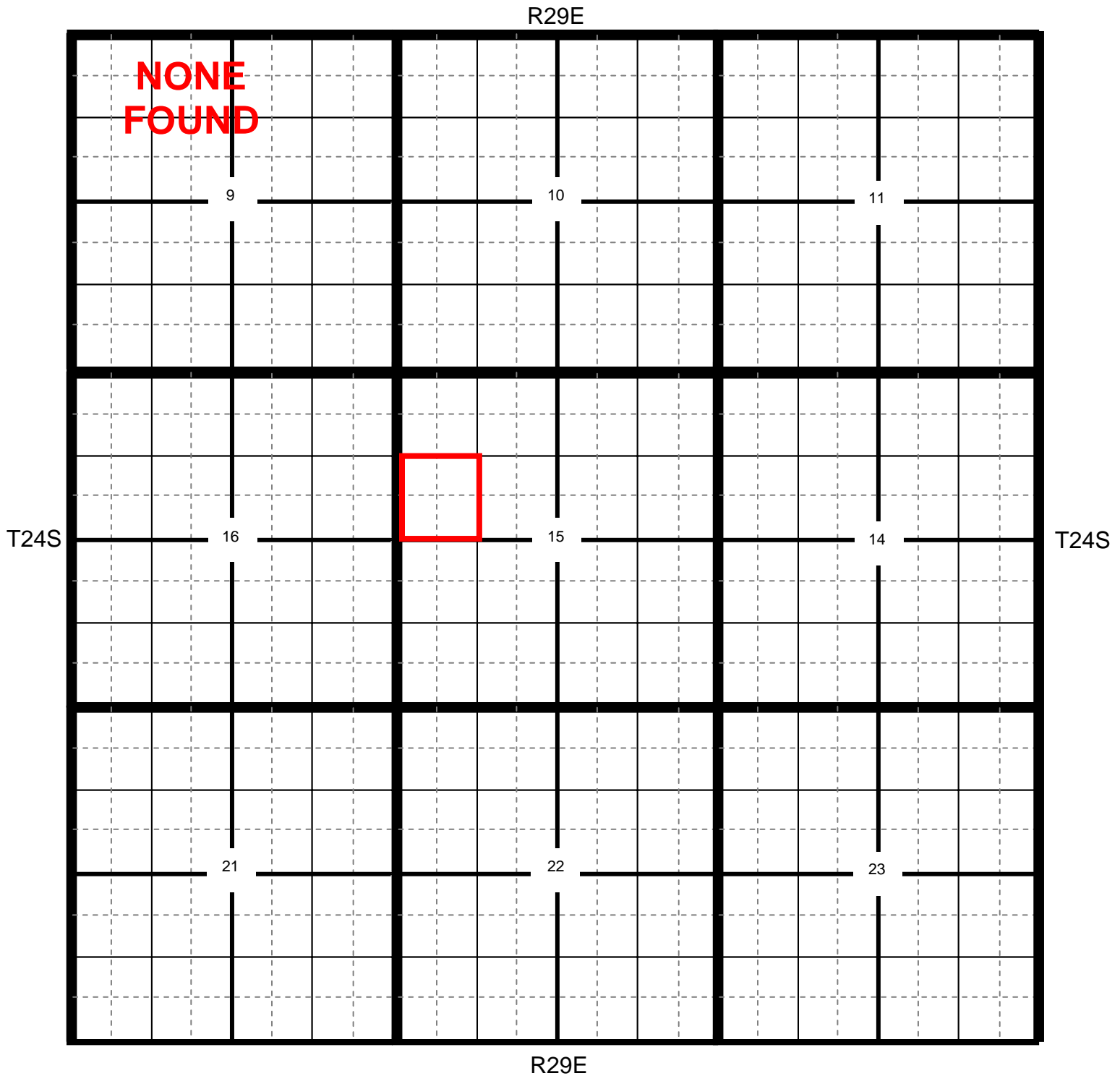
Unit Letter
E

Section
15

Township
24S

Range
29E

Trend Map 75'-100'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Harroun 15 #15 CTB

County Eddy	Unit Letter E	Section 15	Township 24S	Range 29E
-----------------------	-------------------------	----------------------	------------------------	---------------------

Trend Map 75'-100'

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

**Laboratory Analytical Results Summary
Harroun 15 #15 CTB**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	4/8/14	4/8/14	4/8/14	4/8/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.547	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		2.05	0.075	0.151	<0.050
Total Xylenes	BTEX 8021B		5.57	0.193	0.407	<0.150
Total BTEX	BTEX 8021B		8.16	<0.300	0.558	<0.300
Chloride	SM4500Cl-B		64.0	16.0	16.0	64.0
GRO	TPH 8015M		146	<10.0	<10.0	<10.0
DRO	TPH 8015M		2910	126	93.7	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/8/14	4/8/14	4/8/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.096	<0.050	<0.050
Toluene	BTEX 8021B		2.25	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.97	<0.050	<0.050
Total Xylenes	BTEX 8021B		6.74	<0.150	<0.150
Total BTEX	BTEX 8021B		11.0	<0.300	<0.300
Chloride	SM4500Cl-B		192	48.0	64.0
GRO	TPH 8015M		<100	<10.0	<10.0
DRO	TPH 8015M		18900	30.6	<10.0

April 16, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 15 #15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/09/14 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/16/2014	Sampling Type:	Soil
Project Name:	HARROUN 15 #15 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MALAGA		

Sample ID: SP 1 @ SURFACE (H401077-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	0.547	0.100	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	2.05	0.100	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	5.57	0.300	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTX	8.16	0.600	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	64.0	16.0	04/15/2014	ND	400	100	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	146	10.0	04/15/2014	ND	190	95.1	200	0.196	
DRO >C10-C28	2910	10.0	04/15/2014	ND	205	103	200	0.435	

Surrogate: 1-Chlorooctane 115 % 65.2-140

Surrogate: 1-Chlorooctadecane 138 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/09/2014
 Reported: 04/16/2014
 Project Name: HARROUN 15 #15 CTB
 Project Number: NONE GIVEN
 Project Location: MALAGA

 Sampling Date: 04/08/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 1 @ 1 (H401077-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	<0.050	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	0.075	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	0.193	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTEX	<0.300	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	04/15/2014	ND	400	100	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	04/15/2014	ND	190	95.1	200	0.196	
DRO >C10-C28	126	10.0	04/15/2014	ND	205	103	200	0.435	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/09/2014
Reported: 04/16/2014
Project Name: HARROUN 15 #15 CTB
Project Number: NONE GIVEN
Project Location: MALAGA

Sampling Date: 04/08/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 1 @ 2 (H401077-03)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	<0.050	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	0.151	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	0.407	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTEX	0.558	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 151 % 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	04/15/2014	ND	400	100	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	04/15/2014	ND	190	95.1	200	0.196	
DRO >C10-C28	93.7	10.0	04/15/2014	ND	205	103	200	0.435	

Surrogate: 1-Chlorooctane 108 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/09/2014
Reported: 04/16/2014
Project Name: HARROUN 15 #15 CTB
Project Number: NONE GIVEN
Project Location: MALAGA

Sampling Date: 04/08/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 1 @ 3 (H401077-04)

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	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	<0.050	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	<0.050	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	<0.150	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTEx	<0.300	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	64.0	16.0	04/15/2014	ND	400	100	400	3.92	

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	04/15/2014	ND	190	95.1	200	0.196	
DRO >C10-C28	<10.0	10.0	04/15/2014	ND	205	103	200	0.435	

Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/09/2014
Reported: 04/16/2014
Project Name: HARROUN 15 #15 CTB
Project Number: NONE GIVEN
Project Location: MALAGA

Sampling Date: 04/08/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 2 @ SURFACE (H401077-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.096	0.050	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	2.25	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	1.97	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	6.74	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTEX	11.0	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	192	16.0	04/15/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	04/15/2014	ND	213	106	200	0.378		
DRO >C10-C28	18900	100	04/15/2014	ND	235	117	200	2.09		

Surrogate: 1-Chlorooctane 99.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 716 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 04/09/2014
Reported: 04/16/2014
Project Name: HARROUN 15 #15 CTB
Project Number: NONE GIVEN
Project Location: MALAGA

Sampling Date: 04/08/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SP 2 @ 1 (H401077-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	<0.050	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	<0.050	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	<0.150	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTX	<0.300	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	04/15/2014	ND	400	100	400	3.92	

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	04/15/2014	ND	213	106	200	0.378	
DRO >C10-C28	30.6	10.0	04/15/2014	ND	235	117	200	2.09	

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/09/2014
 Reported: 04/16/2014
 Project Name: HARROUN 15 #15 CTB
 Project Number: NONE GIVEN
 Project Location: MALAGA

 Sampling Date: 04/08/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 2 @ 2 (H401077-07)

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	04/15/2014	ND	2.25	113	2.00	9.92	
Toluene*	<0.050	0.050	04/15/2014	ND	2.13	106	2.00	10.0	
Ethylbenzene*	<0.050	0.050	04/15/2014	ND	2.10	105	2.00	9.59	
Total Xylenes*	<0.150	0.150	04/15/2014	ND	6.11	102	6.00	9.41	
Total BTEx	<0.300	0.300	04/15/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	64.0	16.0	04/15/2014	ND	400	100	400	3.92	

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	04/15/2014	ND	213	106	200	0.378	
DRO >C10-C28	<10.0	10.0	04/15/2014	ND	235	117	200	2.09	

Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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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	Harroun 15 #15 CTB	Facility Type	Battery
Surface Owner	Mineral Owner	API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	15	24S	29E					Eddy County, NM

15

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	10 bbls of oil, 10 bbls of produced water	Volume Recovered	15 bbls
Source of Release	Separator failed to dump causing skim tank to spill over	Date and Hour of Occurrence	03/03/2014	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, NMOCD and Jennifer Van Curen, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	03/03/2014 @ 4:32 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

The separator failed to dump causing the skim tank to spill 10 bbls of oil and 10 bbls of produced water inside the containment on the ground. A vacuum truck recovered a total of 15bbls and the issue with the separator was resolved.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 20' x 20' on location inside the containment around the skim tank. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3-5-14	Phone: (575) 397-8216		

* Attach Additional Sheets If Necessary