



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

Oxy – Peaches 19 Federal CTB (11/16/2016)

REMEDIATION PLAN, RP # 2RP-4022

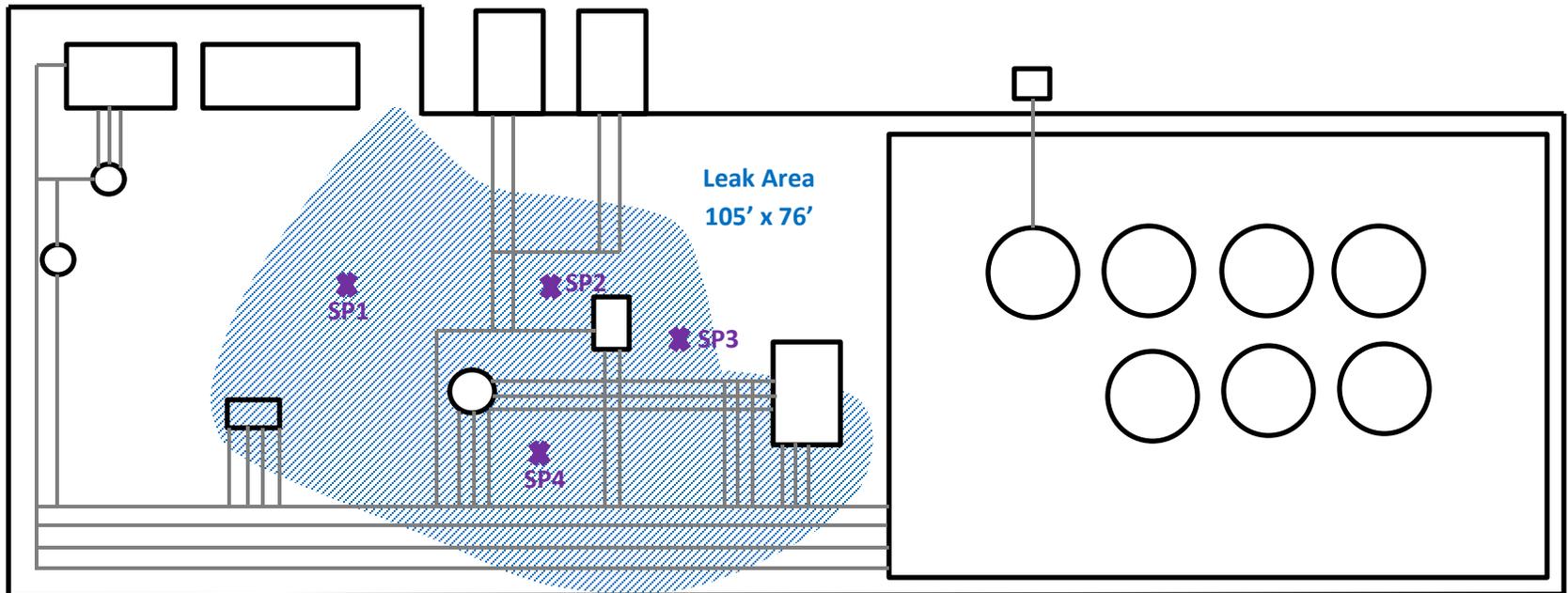
Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 1 foot. The entire site will then be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



Oxy

Peaches 19 Federal CTB (11/16/16)



1' Excavation across entire leak area

U/L C, Section 19, T25S, R27E

Eddy County, NM

N 32.12154° W 104.22848°

API# 30-015-40250

BBC International, Inc.	
Oxy	
Peaches 19 Federal CTB	
Date: 11/28/16	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016

Groundwater Plot

Oxy Peaches 19 Federal CTB

County
Eddy

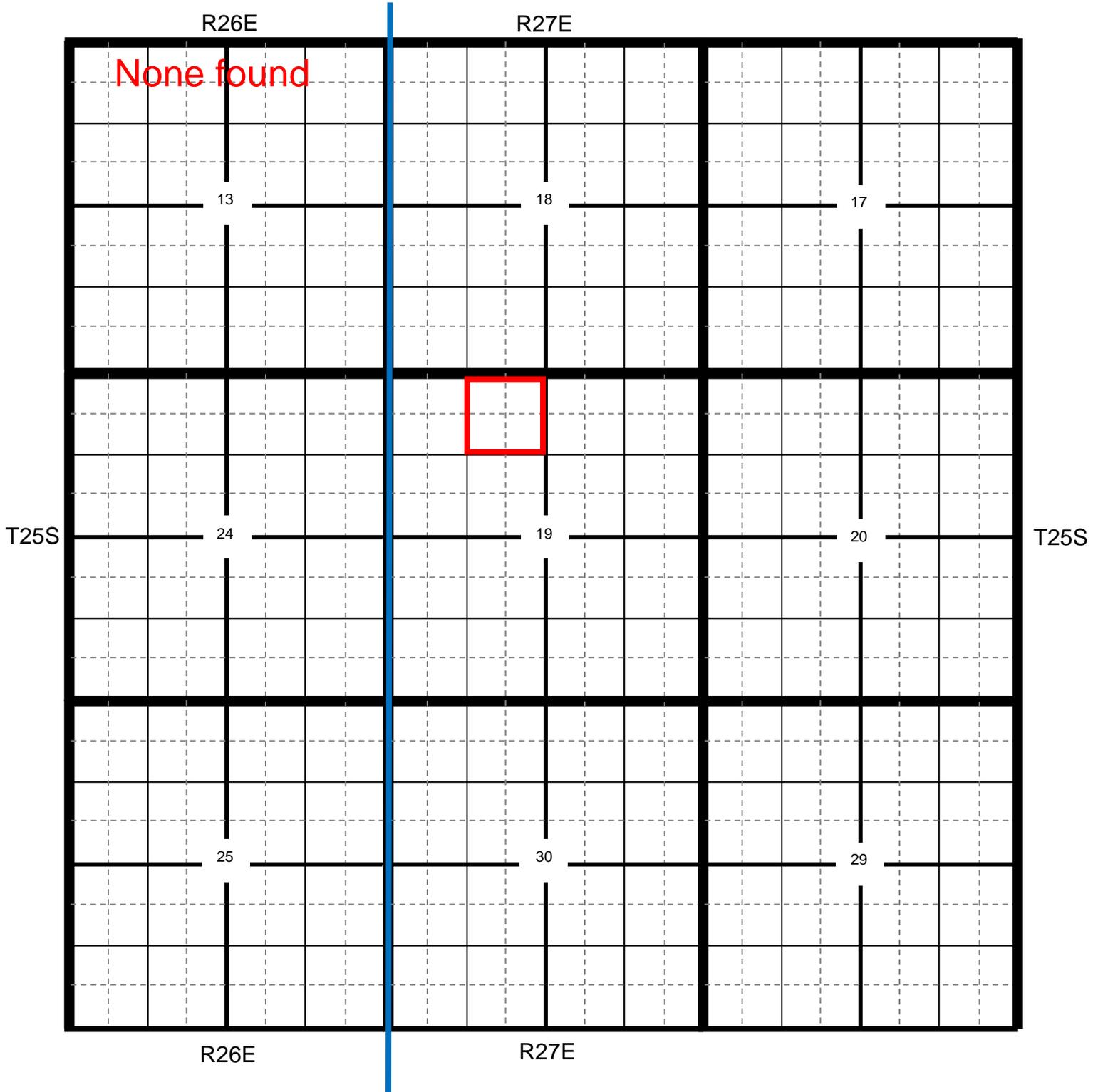
Unit Letter
C

Section
19

Township
25S

Range
27E

Trend Map <50'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Peaches 19 Federal CTB

County Eddy Unit Letter C Section 19 Township 25S Range 27E

Trend Map <50'

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
Peaches 19 CTB

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'
			11/30/16	11/30/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		24000	160
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'
			11/30/16	11/30/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenz	BTEX 8021B		n/a	n/a
Total Xyle	BTEX 8021B		n/a	n/a
Total BTE	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		33600	464
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'
			11/30/16	11/30/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenzene	BTEX 8021B		n/a	<0.050
Total Xylenes	BTEX 8021B		n/a	<0.150
Total BTEX	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		24400	160
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'
			11/30/16	11/30/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050
Toluene	BTEX 8021B		n/a	<0.050
Ethylbenz	BTEX 8021B		n/a	<0.050
Total Xyle	BTEX 8021B		n/a	<0.150
Total BTE	BTEX 8021B		n/a	<0.300
Chloride	SM4500CI-B		20800	160
GRO	TPH 8015M		n/a	<10.0
DRO	TPH 8015M		n/a	<10.0



December 06, 2016

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

RE: PEACHES 19 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/01/16 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PEACHES 19 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ SURFACE (H602686-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24000	16.0	12/02/2016	ND	400	100	400	0.00	QM-07	

Sample ID: SP1 @ 1' (H602686-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/02/2016	ND	400	100	400	0.00		

Sample ID: SP2 @ SURFACE (H602686-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24400	16.0	12/02/2016	ND	400	100	400	0.00		

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:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PEACHES 19 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 1' (H602686-04)

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	12/06/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/02/2016	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	12/02/2016	ND	182	90.9	200	1.79	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	192	96.0	200	2.43	

Surrogate: 1-Chlorooctane 84.6 % 35-147
Surrogate: 1-Chlorooctadecane 87.3 % 28-171
Sample ID: SP3 @ SURFACE (H602686-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	33600	16.0	12/02/2016	ND	400	100	400	0.00	

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: 12/01/2016
 Reported: 12/06/2016
 Project Name: PEACHES 19 CTB
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 11/30/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 1' (H602686-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/02/2016	ND	400	100	400	0.00	

Sample ID: SP4 @ SURFACE (H602686-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	12/02/2016	ND	400	100	400	0.00	

Cardinal Laboratories

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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:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PEACHES 19 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP4 @ 1' (H602686-08)

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	12/06/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/02/2016	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	12/02/2016	ND	182	90.9	200	1.79	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	192	96.0	200	2.43	

Surrogate: 1-Chlorooctane 78.8 % 35-147

Surrogate: 1-Chlorooctadecane 80.7 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1081

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: PEACHES 19 CTB State: Zip:
 Project Location: Eddy County, NM Phone #:
 Sampler Name: PRICE BRUNSON Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	CI	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
HK0268-	01	SP1 @ SURFACE	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	10:00 AM	✓		
	02	SP1 @ 1'	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	10:45 AM	✓		
	03	SP2 @ SURFACE	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	11:50 AM	✓		
	04	SP2 @ 1'	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	1:20 PM	✓		
	05	SP3 @ SURFACE	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	1:50 PM	✓		
	06	SP3 @ 1'	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	2:20 PM	✓		
	07	SP4 @ SURFACE	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	2:40 PM	✓		
	08	SP4 @ 1'	6	✓	✓	✓	✓	✓	✓	✓	11/30/16	3:10 PM	✓		

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Relinquished By: *[Signature]* Date: 11/30/16 Time: 6:30 AM Received By: *[Signature]* Date: 11/30/16 Time: 11:50 AM
 Delivered By: (Circle One) #75 1.42 Sample Condition: Cool Yes No Intact Yes No
 Checked By: *[Signature]* (Initials) *[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

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	Casey Summers
Address	PO Box 4294, Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Peaches 19 Federal CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No. 30-015-40250	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	19	25S	27E					Eddy

Latitude N 32.12154° Longitude W 104.22848°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	50 bbls	Volume Recovered	25 bbls
Source of Release	Compromised 3" steel water line	Date and Hour of Occurrence	11/16/2016	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, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	11/17/2016 @ 11:57 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A compromised steel water line caused a leak of 50 bbls of produced water. A vacuum truck recovered 25 bbls of produced water and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 105' x 76' on location. Remediation will be completed in accordance with an approved remediation plan from 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: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>11-30-16</u> Phone: (575) 513-8289			

* Attach Additional Sheets If Necessary