



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 – Federal 12 #004 (06/06/2016)

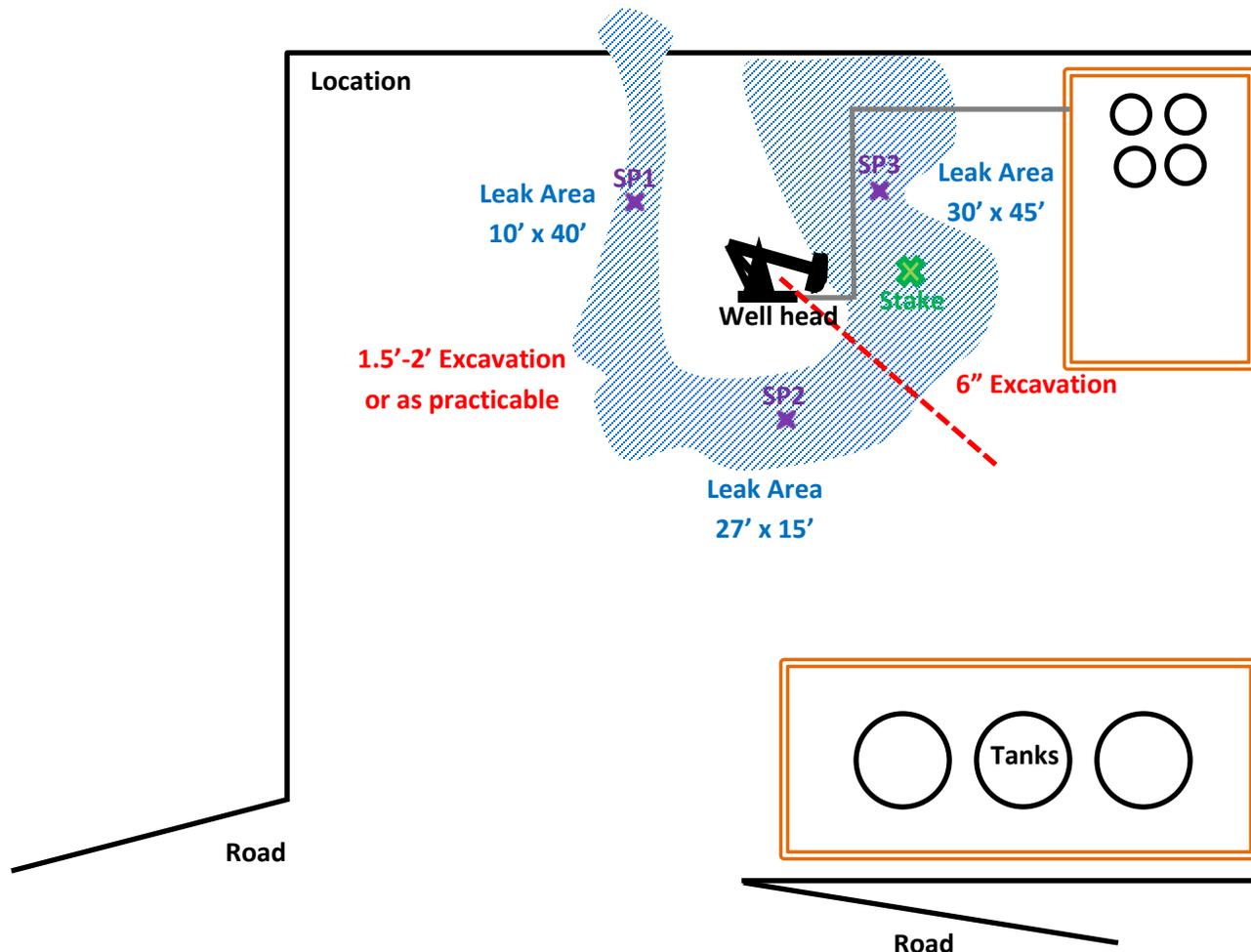
REMEDIATION PLAN

Oxy will excavate the spill area as depicted on the following site diagram. In the areas of SP1 and SP2, Oxy will excavate to a depth of 1.5 feet to 2.5 feet or as practicable. In the area of SP3, the excavation depth will be 6 inches. The entire site will then be backfilled with clean soil.

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



Oxy
Federal 12 #004 (6/6/16)



U/L E, Section 12, T22S, R31E

Eddy County, NM

N 32.40783° W 103.73890°

API# 30-015-26859

BBC International, Inc.	
Oxy Federal 12 #004	
Date: 06/22/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016

Groundwater Plot

Oxy Federal 12 #004

County
Eddy County

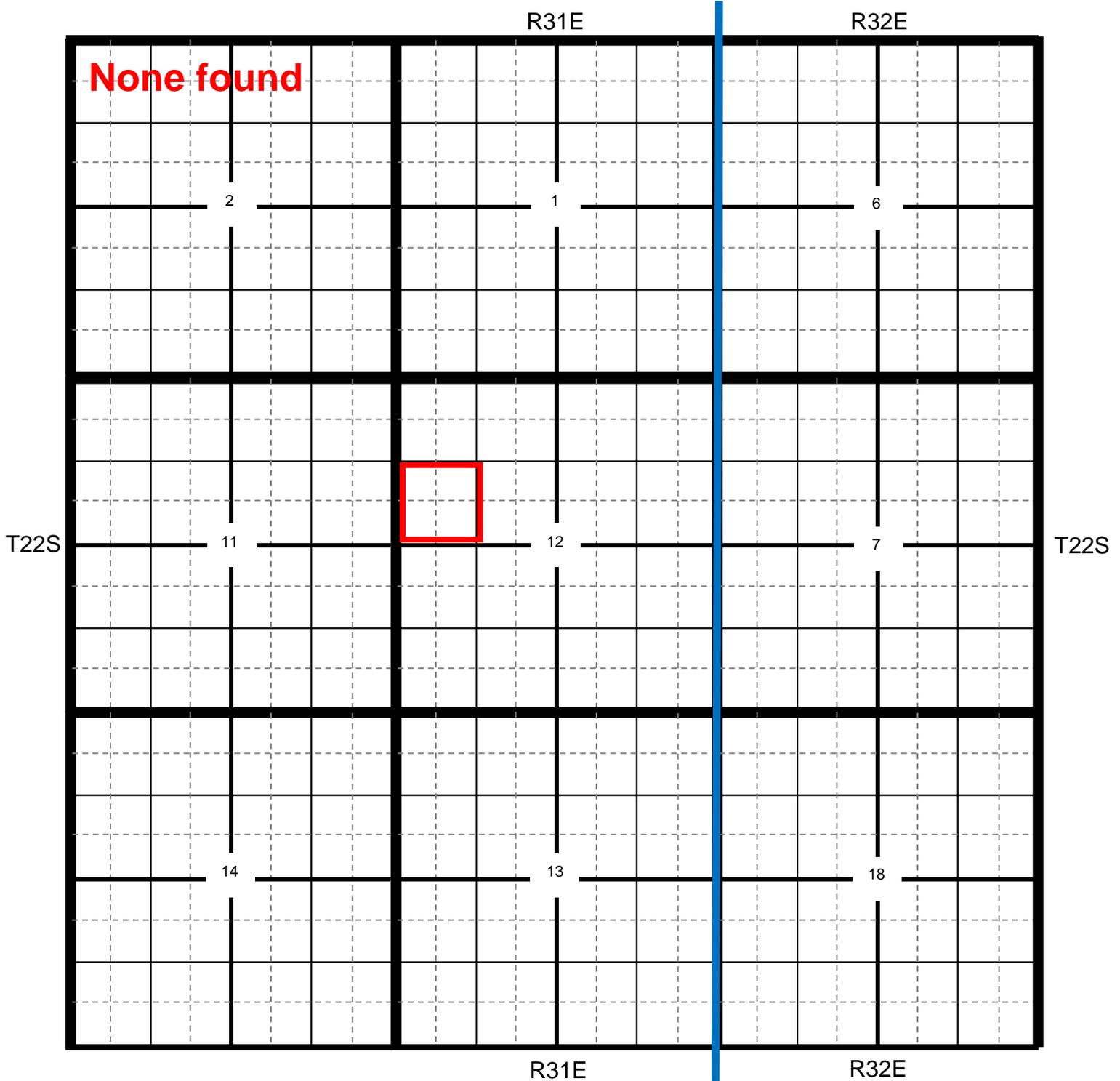
Unit Letter
E

Section
12

Township
22S

Range
31E

Trend Map 150'-175'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Federal 12 #004

County Eddy
 Unit Letter E
 Section 12
 Township 22
 Range 31

Trend Map 150'-175'

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
Federal 12 #4**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 4'	SP1 @ 6'
Analyte	Method	Date	6/29/16	6/29/16	6/29/16	6/29/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		1800	1010	1520	176
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A
DRO	TPH 8015M		<10.0	<10.0	<10.0	N/A

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 4'	SP2 @ 6'
Analyte	Method	Date	6/29/16	6/29/16	6/29/16	6/29/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		1490	992	1600	256
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A
DRO	TPH 8015M		<10.0	<10.0	<10.0	N/A

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	6/29/16	6/29/16	6/29/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		1340	32	272
GRO	TPH 8015M		<10.0	<10.0	N/A
DRO	TPH 8015M		<10.0	<10.0	N/A

July 07, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 12 #4

Enclosed are the results of analyses for samples received by the laboratory on 07/01/16 11:52.

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,



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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP1 @1 (H601482-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2016	ND	2.10	105	2.00	0.646	
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755	
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504	
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518	
Total BTEX	<0.300	0.300	07/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85	
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48	

Surrogate: 1-Chlorooctane 88.6 % 35-147
Surrogate: 1-Chlorooctadecane 106 % 28-171

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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP1 @ 2 (H601482-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 83.0 % 35-147

Surrogate: 1-Chlorooctadecane 90.6 % 28-171

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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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP1 @ 4 (H601482-03)

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	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 80.5 % 35-147

Surrogate: 1-Chlorooctadecane 91.5 % 28-171

Sample ID: SP1 @ 6 (H601482-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/06/2016	ND	416	104	400	0.00		

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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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP2 @ 1 (H601482-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 90.7 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP2 @ 2 (H601482-06)

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	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

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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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP2 @ 4 (H601482-07)

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	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	07/06/2016	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	07/01/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/01/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 93.8 % 35-147

Surrogate: 1-Chlorooctadecane 106 % 28-171

Sample ID: SP2 @ 6 (H601482-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/06/2016	ND	416	104	400	0.00		

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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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP3 @ 1 (H601482-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	07/06/2016	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	07/02/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/02/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

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*=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:	07/01/2016	Sampling Date:	06/29/2016
Reported:	07/07/2016	Sampling Type:	Soil
Project Name:	FEDERAL 12 #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C29		

Sample ID: SP3 @ 2 (H601482-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/06/2016	ND	2.10	105	2.00	0.646		
Toluene*	<0.050	0.050	07/06/2016	ND	2.14	107	2.00	0.755		
Ethylbenzene*	<0.050	0.050	07/06/2016	ND	2.06	103	2.00	0.504		
Total Xylenes*	<0.150	0.150	07/06/2016	ND	6.18	103	6.00	0.518		
Total BTEX	<0.300	0.300	07/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.6-140

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	07/06/2016	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	07/02/2016	ND	211	105	200	1.85		
DRO >C10-C28	<10.0	10.0	07/02/2016	ND	196	98.0	200	1.48		

Surrogate: 1-Chlorooctane 91.6 % 35-147

Surrogate: 1-Chlorooctadecane 99.9 % 28-171

Sample ID: SP3 @ 3 (H601482-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/06/2016	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

HECKSA

SP1E1

SP2E1

SP3E1

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CI-
TPH
BTEX

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Relinquished By:

Received By:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Relinquished By:

Received By:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Yes No

CHECKED BY:

(Initials)

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



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City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sampler Name:

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME													
H00148a 11	SP303	G	1	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	X Y	ICE / COOL OTHER:	6-29	150	X												

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 the client for the 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 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 resulting from the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 6-1-16
Received By: [Signature] Date: 6-29-16

Relinquished By: [Signature] Date: 6-1-16
Received By: [Signature] Date: 6-29-16

Delivered By: (Circle One) [Signature] Time: 11:52 AM
Sampler - UPS - Bus - Other: - 28°C

Sample Condition: Cool Intact Yes [X] No []
Checked By: [Signature] (Initials) #75K

REMARKS: Phone Result: Yes [] No [] Add'l Phone #: []
Fax Result: Yes [] No [] Add'l Fax #: []

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

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

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Federal 12 #004	Facility Type	Well

Surface Owner	BLM	Mineral Owner		API No.	30-015-26859
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	12	22S	31E					Eddy County, NM

Latitude N 32.40783° Longitude W 103.73890°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	2 bbls oil, 13 bbls produced water	Volume Recovered	5 bbls
Source of Release	Over pressure caused the stuffing box packing to blow out	Date and Hour of Occurrence	06/06/2016	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@ BBC International, Inc.	Date and Hour	06/07/2016 @ 9:15 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.*

Over pressure caused the stuffing box packing to blow out and release 2 bbls of oil and 13 bbls of produced water. A vacuum truck recovered 5 bbls and the packing was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 40' x 25' on location around the well head. Remediation will be completed in accordance with a plan approved by both 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: 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: 6-20-16 Phone: (575) 513-8289			

* Attach Additional Sheets If Necessary