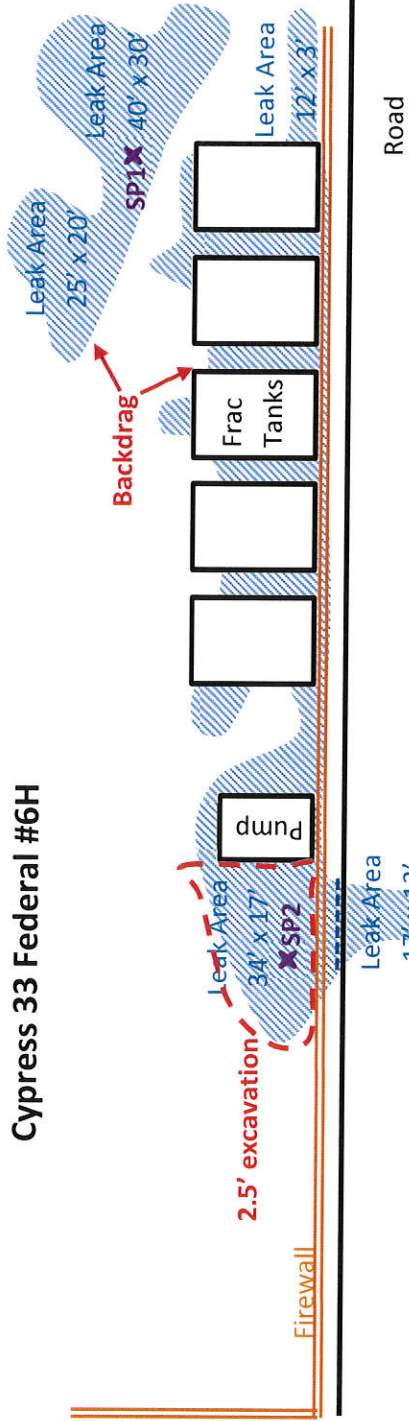




Oxy

Cypress 33 Federal #6H



Road

Pasture

6" excavation

1.5' excavation

Pipeline

U/L A, Section 33, T23S, R29E
Eddy County, NM
N 32.26685° W 103.98463°
API# 30-015-41557

BBC International, Inc.

Oxy

Cypress 33 Federal #6H

Date: 05/08/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



Groundwater Plot

Oxy Cypress 33 Federal #6H

County
Eddy

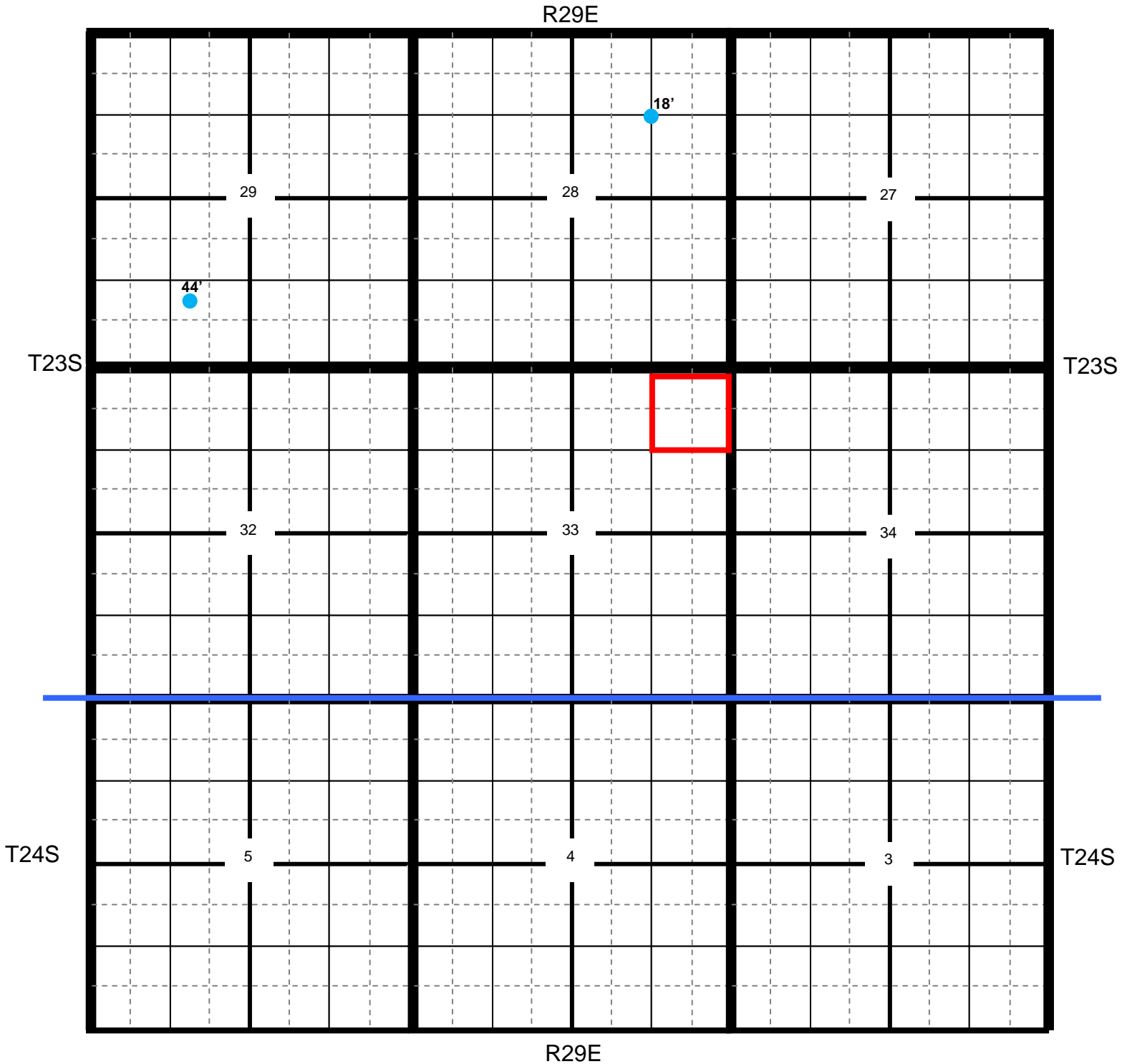
Unit Letter
A

Section
33

Township
23S

Range
29E

Trend Map 50'-75'



Location

OCD

USGS

SEO

All Databases

Oxy Cypress 33 Federal #6H

County Eddy Unit Letter A Section 33 Township 23S Range 29E

Trend Map 50'-75'

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
Cypress 33 Federal #6H**

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		39.8	34

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	10/6/14	10/6/14	10/6/14	10/6/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.200	<0.050
Toluene	BTEX 8021B		0.42	<0.050	0.768	<0.050
Ethylbenzene	BTEX 8021B		0.338	<0.050	0.424	<0.050
Total Xylenes	BTEX 8021B		5.88	<0.150	12.9	<0.150
Total BTEX	BTEX 8021B		6.64	<0.300	14.1	<0.300
Chloride	SM4500Cl-B		896	<16.0	16	176
GRO	TPH 8015M		206	<10.0	346	<10.0
DRO	TPH 8015M		33800	39.4	4850	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050
Toluene	BTEX 8021B		<0.100	<0.050
Ethylbenzene	BTEX 8021B		<0.100	0.058
Total Xylenes	BTEX 8021B		0.697	<0.150
Total BTEX	BTEX 8021B		0.697	<0.300
Chloride	SM4500Cl-B		<16.0	16
GRO	TPH 8015M		70.5	<10.0
DRO	TPH 8015M		14600	56.3

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050
Toluene	BTEX 8021B		<0.100	<0.050
Ethylbenzene	BTEX 8021B		<0.100	<0.050
Total Xylenes	BTEX 8021B		0.708	<0.150
Total BTEX	BTEX 8021B		0.708	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		82	<10.0
DRO	TPH 8015M		16700	34.2

		Sample	SP5 @ SURFACE	SP5 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050
Toluene	BTEX 8021B		<0.100	<0.050
Ethylbenzene	BTEX 8021B		<0.100	<0.050
Total Xylenes	BTEX 8021B		0.871	<0.150
Total BTEX	BTEX 8021B		0.871	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		77.6	<10.0
DRO	TPH 8015M		16900	91.7

		Sample	SP6 @ SURFACE	SP6 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050
Toluene	BTEX 8021B		<0.100	<0.050
Ethylbenzene	BTEX 8021B		<0.100	0.097
Total Xylenes	BTEX 8021B		0.739	0.195
Total BTEX	BTEX 8021B		0.739	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		76.1	<10.0
DRO	TPH 8015M		15100	91.3

		Sample	SP7 @ SURFACE	SP7 @ 1'
Analyte	Method	Date	10/6/14	10/6/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.050
Toluene	BTEX 8021B		<0.100	0.065
Ethylbenzene	BTEX 8021B		<0.100	0.14
Total Xylenes	BTEX 8021B		0.923	0.493
Total BTEX	BTEX 8021B		0.923	0.698
Chloride	SM4500Cl-B		<16.0	16
GRO	TPH 8015M		71.1	27.4
DRO	TPH 8015M		14000	1040



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

October 14, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CYPRESS 33 FEDERAL #6H

Enclosed are the results of analyses for samples received by the laboratory on 10/09/14 9:30.

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

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H403090-01)

BTEx 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEx	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	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	10/09/2014	ND	176	87.8	200	1.23	
DRO >C10-C28	39.8	10.0	10/09/2014	ND	178	89.0	200	0.304	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H403090-02)

BTEx 8021B			mg/kg					Analyzed By: ms		A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04			
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13			
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66			
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40			
Total BTEX	<0.300	0.300	10/10/2014	ND							

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 61-154

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	10/09/2014	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	10/09/2014	ND	176	87.8	200	1.23			
DRO >C10-C28	34.0	10.0	10/09/2014	ND	178	89.0	200	0.304			

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H403090-03)

BTEx 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	0.420	0.200	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	0.338	0.200	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	5.88	0.600	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	6.64	1.20	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	10/09/2014	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	206	50.0	10/09/2014	ND	176	87.8	200	1.23	
DRO >C10-C28	33800	50.0	10/09/2014	ND	178	89.0	200	0.304	

Surrogate: 1-Chlorooctane 119 % 47.2-157

Surrogate: 1-Chlorooctadecane 2060 % 52.1-176

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H403090-04)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	<0.050	0.050	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	<0.050	0.050	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	<0.150	0.150	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTX	<0.300	0.300	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	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	10/09/2014	ND	176	87.8	200	1.23	
DRO >C10-C28	39.4	10.0	10/09/2014	ND	178	89.0	200	0.304	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H403090-05)

BTEx 8021B		mg/kg	Analyzed By: ms					A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/10/2014	ND	1.71	85.6	2.00	4.04	
Toluene*	0.768	0.200	10/10/2014	ND	1.66	83.1	2.00	3.13	
Ethylbenzene*	0.424	0.200	10/10/2014	ND	1.60	80.0	2.00	4.66	
Total Xylenes*	12.9	0.600	10/10/2014	ND	4.79	79.9	6.00	4.40	
Total BTEX	14.1	1.20	10/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2014	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	346	50.0	10/09/2014	ND	176	87.8	200	1.23	
DRO >C10-C28	4850	50.0	10/09/2014	ND	178	89.0	200	0.304	

Surrogate: 1-Chlorooctane 136 % 47.2-157

Surrogate: 1-Chlorooctadecane 181 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H403090-06)

BTX 8021B			mg/kg					Analyzed By: ms		A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	10/13/2014	ND	1.73	86.7	2.00	1.98			
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16			
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62			
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41			
Total BTX	<0.300	0.300	10/13/2014	ND							

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	176	16.0	10/09/2014	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	10/09/2014	ND	176	87.8	200	1.23			
DRO >C10-C28	<10.0	10.0	10/09/2014	ND	178	89.0	200	0.304			

Surrogate: 1-Chlorooctane 97.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H403090-07)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.100	0.100	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.100	0.100	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.697	0.300	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	0.697	0.600	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	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	70.5	50.0	10/09/2014	ND	176	87.8	200	1.23	
DRO >C10-C28	14600	50.0	10/09/2014	ND	178	89.0	200	0.304	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 666 % 52.1-176

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Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H403090-08)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	0.058	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2014	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	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	56.3	10.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 97.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ SURFACE (H403090-09)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.100	0.100	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.100	0.100	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.708	0.300	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	0.708	0.600	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	82.0	50.0	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	16700	50.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 1150 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 1' (H403090-10)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	34.2	10.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ SURFACE (H403090-11)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.100	0.100	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.100	0.100	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.871	0.300	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	0.871	0.600	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	77.6	50.0	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	16900	50.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 638 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H403090-12)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	91.7	10.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ SURFACE (H403090-13)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.100	0.100	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.100	0.100	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.739	0.300	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	0.739	0.600	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2014	ND	416	104	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	76.1	50.0	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	15100	50.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 690 % 52.1-176

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Fax To: (575) 397-0397

Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 1' (H403090-14)

BTEx 8021B		mg/kg	Analyzed By: ms					A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	0.097	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.195	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	10/10/2014	ND	186	92.8	200	4.31	
DRO >C10-C28	91.3	10.0	10/10/2014	ND	181	90.4	200	2.00	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 113 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ SURFACE (H403090-15)

BTX 8021B		mg/kg		Analyzed By: ms				A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.100	0.100	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.100	0.100	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	0.923	0.300	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	0.923	0.600	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2014	ND	416	104	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	71.1	50.0	10/10/2014	ND	182	90.8	200	1.56	
DRO >C10-C28	14000	50.0	10/10/2014	ND	184	91.9	200	3.04	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 634 % 52.1-176

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Received:	10/09/2014	Sampling Date:	10/06/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CYPRESS 33 FEDERAL #6H	Sampling Condition:	Cool & Intact
Project Number:	OXY	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ 1' (H403090-16)

BTX 8021B			mg/kg					Analyzed By: ms		A-01	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	10/13/2014	ND	1.91	95.3	2.00	3.60			
Toluene*	0.065	0.050	10/13/2014	ND	1.81	90.4	2.00	3.47			
Ethylbenzene*	0.140	0.050	10/13/2014	ND	1.72	86.1	2.00	3.32			
Total Xylenes*	0.493	0.150	10/13/2014	ND	5.17	86.1	6.00	3.57			
Total BTX	0.698	0.300	10/13/2014	ND							

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

Chloride, SM4500CI-B			mg/kg					Analyzed By: AP			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	16.0	16.0	10/09/2014	ND	416	104	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	27.4	10.0	10/10/2014	ND	182	90.8	200	1.56			
DRO >C10-C28	1040	10.0	10/10/2014	ND	184	91.9	200	3.04			

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 133 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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.
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.
A-01	Sample results may be biased low due to headspace in sampling container.
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



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:

Sample Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLING

Lab I.D.

Sample I.D.

H40390

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH
BTEX
CL-

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Phone Result:

Fax Result:

REMARKS:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Phone Result:

Fax Result:

REMARKS:

Delivered By: (Circle One)

Date:

Time:

Received By:

Date:

Time:

Phone Result:

Fax Result:

REMARKS:

Sampler - UPS - Bus - Other:

Date:

Time:

Received By:

Date:

Time:

Phone Result:

Fax Result:

REMARKS:

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

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	CJ Summers
Address	1017 W. Stanolind Rd, Hobbs, NM	Telephone No.	(575) 397-8216
Facility Name	Cypress 33 Federal #6H	Facility Type	Well location
Surface Owner	BLM	Mineral Owner	API No. 30-015-41557

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	33	23S	29E	466	North	1040	East	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	5 bbls oil, 195 bbls produced water	Volume Recovered	50 bbls
Source of Release	PRD did not reset on production flow line	Date and Hour of Occurrence	04/28/2014	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; Jennifer Van Curen-BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	04/28/14 @ 4:36 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.*					
A PRD on a production flow line did not reset and caused 195 bbls of produced water and 5 bbls of oil to leak onto the ground. A total of 10 bbls of fluids were recovered via vacuum truck and the PRD was repaired/replaced.					
Describe Area Affected and Cleanup Action Taken.*					
The affected area is approximately 400' x 80' on and off location. Remediation will be completed in accordance 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 District Supervisor:			
Title: HES Specialist		Approval Date:		Expiration Date:	
E-mail Address: Chancey.Summers@oxy.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 4-29-14		Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary