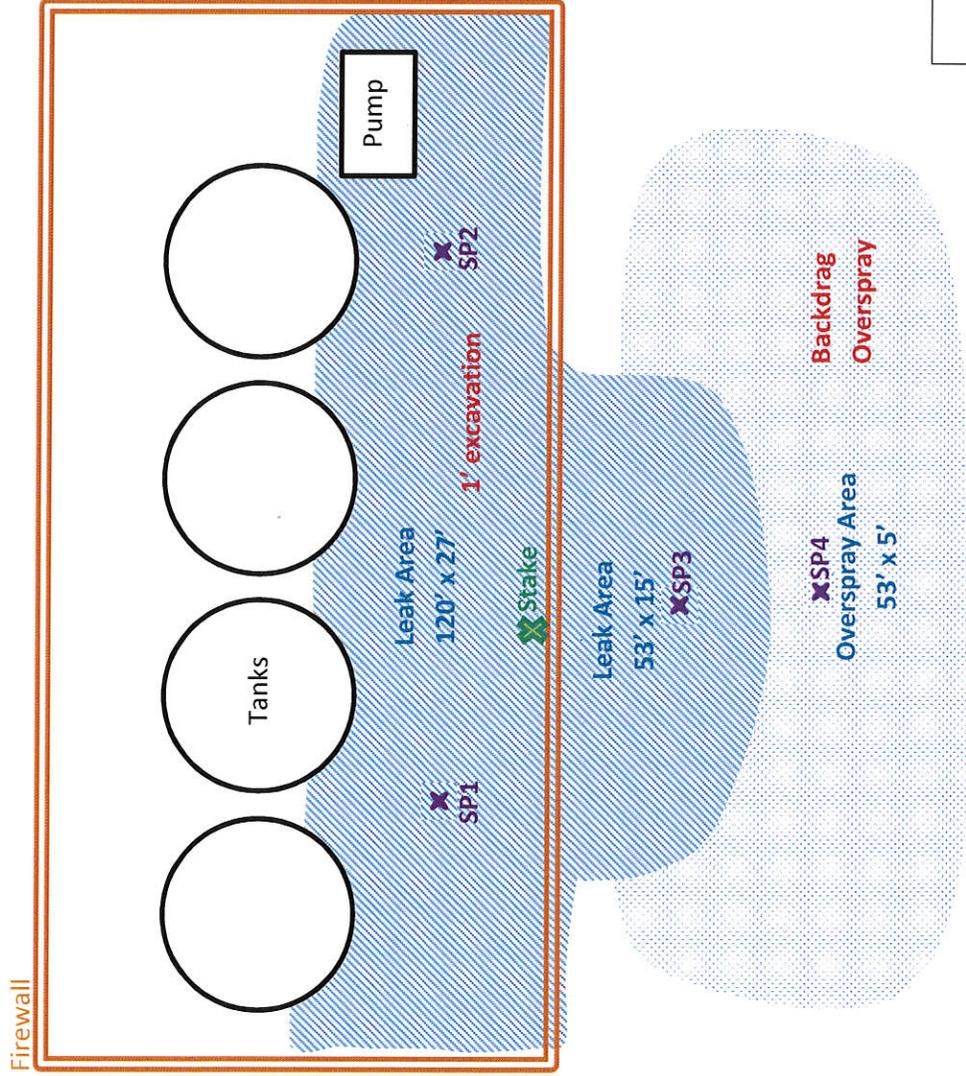


Oxy  
Patton 17 Federal #1 CTB



U/L N, Section 17, T24S, R31E  
Eddy County, NM  
N 32.21198° W 103.79952° at stake  
API# 30-015-29279 (nearest well)

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Patton 17 Federal #1 CTB</b>	
Date: 05/06/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



# Groundwater Plot

## Oxy Patton 17 Federal #1 CTB

County  
Eddy

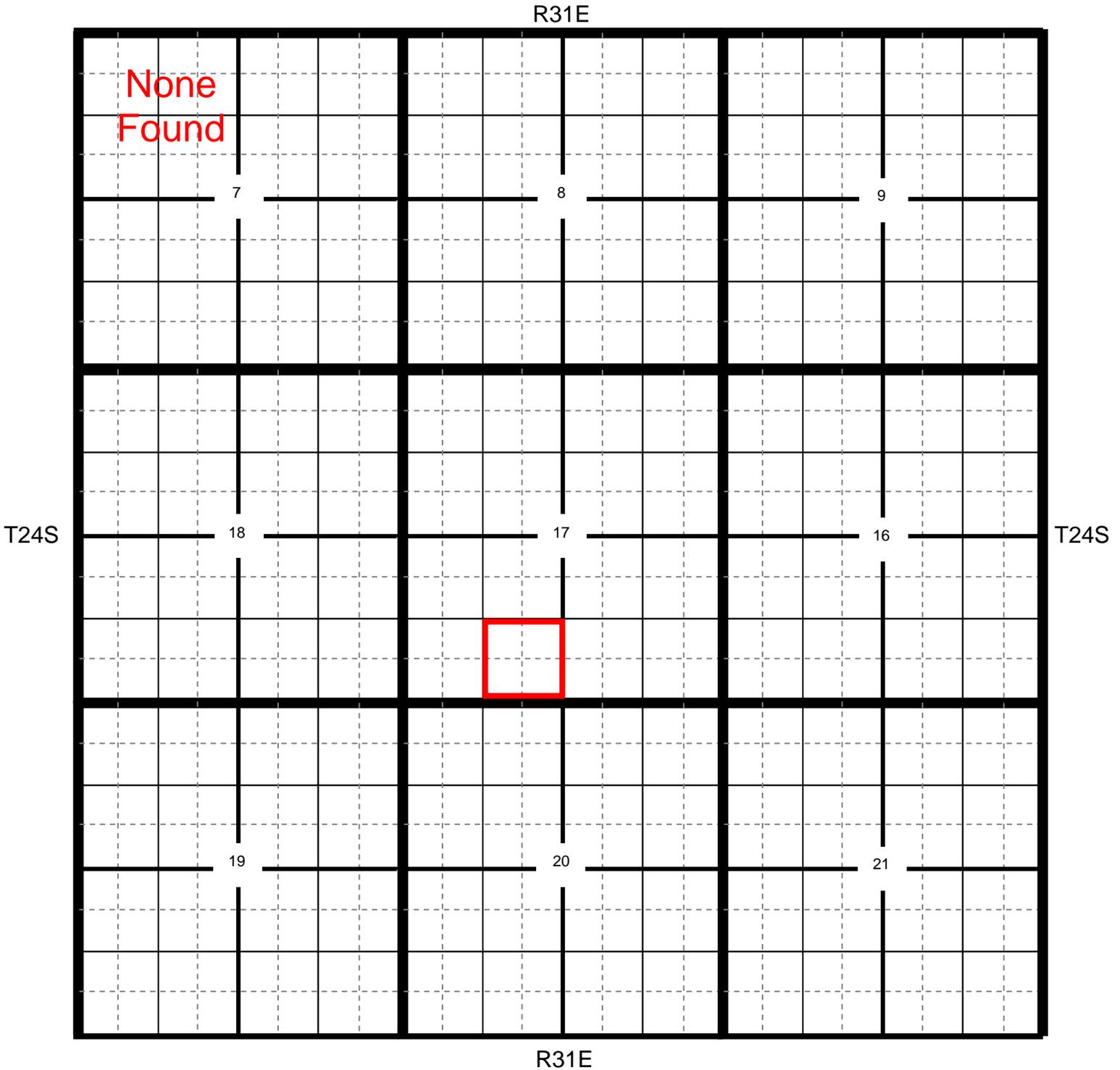
Unit Letter  
N

Section  
17

Township  
T24S

Range  
R31E

Trend Map 250'



📍 Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Patton 17 Federal #1 CTB

County Eddy      Unit Letter N      Section 17      Township 24S      Range 31E

Trend Map 250'

1

2

NW/NW <b>None Found</b>	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	<b>SE/SW</b>	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

**Laboratory Analytical Results Summary  
Patton 17 Fed #1 CTB**

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.500	<0.050
<b>Toluene</b>	BTEX 8021B		<b>2.95</b>	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>2.71</b>	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>15.9</b>	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>21.6</b>	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>32</b>	<16.0
<b>GRO</b>	TPH 8015M		<b>551</b>	<b>11.5</b>
<b>DRO</b>	TPH 8015M		<b>29700</b>	<b>597</b>

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<.200	<0.200
<b>Toluene</b>	BTEX 8021B		<b>0.504</b>	<b>1.1</b>
<b>Ethylbenzene</b>	BTEX 8021B		<b>0.656</b>	<b>1.04</b>
<b>Total Xylenes</b>	BTEX 8021B		<b>2.94</b>	<b>10.4</b>
<b>Total BTEX</b>	BTEX 8021B		<b>4.1</b>	<b>12.6</b>
<b>Chloride</b>	SM4500Cl-B		<b>3120</b>	<b>144</b>
<b>GRO</b>	TPH 8015M		<b>214</b>	<b>437</b>
<b>DRO</b>	TPH 8015M		<b>18500</b>	<b>4000</b>

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>592</b>	<b>32</b>
<b>GRO</b>	TPH 8015M		<50.0	<10.0
<b>DRO</b>	TPH 8015M		<b>7670</b>	<b>23.4</b>

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	8/22/14	8/22/14
			mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<16.0	<16.0
<b>GRO</b>	TPH 8015M		<20.0	<10.0
<b>DRO</b>	TPH 8015M		<20.0	<10.0



September 02, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PATTON 17 FEDERAL #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/25/14 11:15.

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](http://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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 1 @ SURFACE (H402599-01)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/28/2014	ND	2.08	104	2.00	2.16	
<b>Toluene*</b>	<b>2.95</b>	0.500	08/28/2014	ND	2.12	106	2.00	2.21	
<b>Ethylbenzene*</b>	<b>2.71</b>	0.500	08/28/2014	ND	2.17	108	2.00	2.63	
<b>Total Xylenes*</b>	<b>15.9</b>	1.50	08/28/2014	ND	6.81	113	6.00	1.95	
<b>Total BTEX</b>	<b>21.6</b>	3.00	08/28/2014	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
<b>Chloride</b>	<b>32.0</b>	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>551</b>	100	08/27/2014	ND	183	91.4	200	3.35	
<b>DRO &gt;C10-C28</b>	<b>29700</b>	100	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 1160 % 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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 1 @ 1' (H402599-02)**

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	08/28/2014	ND	2.08	104	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2014	ND	2.12	106	2.00	2.21	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	2.17	108	2.00	2.63	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	6.81	113	6.00	1.95	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>11.5</b>	10.0	08/27/2014	ND	183	91.4	200	3.35	
<b>DRO &gt;C10-C28</b>	<b>597</b>	10.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 154 % 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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 2 @ SURFACE (H402599-03)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/28/2014	ND	2.08	104	2.00	2.16	
<b>Toluene*</b>	<b>0.504</b>	0.200	08/28/2014	ND	2.12	106	2.00	2.21	
<b>Ethylbenzene*</b>	<b>0.656</b>	0.200	08/28/2014	ND	2.17	108	2.00	2.63	
<b>Total Xylenes*</b>	<b>2.94</b>	0.600	08/28/2014	ND	6.81	113	6.00	1.95	
<b>Total BTEX</b>	<b>4.10</b>	1.20	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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
<b>Chloride</b>	<b>3120</b>	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>214</b>	50.0	08/27/2014	ND	183	91.4	200	3.35	
<b>DRO &gt;C10-C28</b>	<b>18500</b>	50.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 124 % 65.2-140

Surrogate: 1-Chlorooctadecane 657 % 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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 2 @ 1' (H402599-04)**

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/28/2014	ND	1.76	88.1	2.00	2.39	
<b>Toluene*</b>	<b>1.10</b>	0.200	08/28/2014	ND	1.62	81.0	2.00	1.49	
<b>Ethylbenzene*</b>	<b>1.04</b>	0.200	08/28/2014	ND	1.83	91.6	2.00	1.41	
<b>Total Xylenes*</b>	<b>10.4</b>	0.600	08/28/2014	ND	5.49	91.4	6.00	1.71	
<b>Total BTEX</b>	<b>12.6</b>	1.20	08/28/2014	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
<b>Chloride</b>	<b>144</b>	16.0	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>437</b>	50.0	08/27/2014	ND	185	92.6	200	2.15		
<b>DRO &gt;C10-C28</b>	<b>4000</b>	50.0	08/27/2014	ND	203	101	200	2.87		

Surrogate: 1-Chlorooctane 135 % 65.2-140

Surrogate: 1-Chlorooctadecane 185 % 63.6-154

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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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 3 @ SURFACE (H402599-05)**

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
<b>Chloride</b>	<b>592</b>	16.0	08/27/2014	ND	432	108	400	7.69	

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	<50.0	50.0	08/27/2014	ND	185	92.6	200	2.15		
<b>DRO &gt;C10-C28</b>	<b>7670</b>	50.0	08/27/2014	ND	203	101	200	2.87		

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 323 % 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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 3 @ 1' (H402599-06)**

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	08/27/2014	ND	432	108	400	7.69	

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	08/27/2014	ND	185	92.6	200	2.15	
<b>DRO &gt;C10-C28</b>	<b>23.4</b>	10.0	08/27/2014	ND	203	101	200	2.87	

Surrogate: 1-Chlorooctane 111 % 65.2-140

Surrogate: 1-Chlorooctadecane 131 % 63.6-154

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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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 4 @ SURFACE (H402599-07)**

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	08/27/2014	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<20.0	20.0	08/27/2014	ND	183	91.4	200	3.35	
DRO >C10-C28	<20.0	20.0	08/27/2014	ND	197	98.3	200	6.02	

Surrogate: 1-Chlorooctane 114 % 65.2-140

Surrogate: 1-Chlorooctadecane 135 % 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:	08/25/2014	Sampling Date:	08/22/2014
Reported:	09/02/2014	Sampling Type:	Soil
Project Name:	PATTON 17 FEDERAL #1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY - EDDY COUNTY, NM		

**Sample ID: SP 4 @ 1' (H402599-08)**

BTEX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2014	ND	1.76	88.1	2.00	2.39	
Toluene*	<0.050	0.050	08/28/2014	ND	1.62	81.0	2.00	1.49	
Ethylbenzene*	<0.050	0.050	08/28/2014	ND	1.83	91.6	2.00	1.41	
Total Xylenes*	<0.150	0.150	08/28/2014	ND	5.49	91.4	6.00	1.71	
Total BTEX	<0.300	0.300	08/28/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	08/27/2014	ND	432	108	400	7.69	

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	08/27/2014	ND	185	92.6	200	2.15	
DRO >C10-C28	<10.0	10.0	08/27/2014	ND	203	101	200	2.87	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 125 % 63.6-154

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.
- 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



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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**

**ANALYSIS REQUEST**

**BILL TO**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs  
 State: NIM zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: Patton 17 Federal #1 CTB  
 Project Location: Eddy County, NM  
 Sampler Name: Price Brunson  
 P.O. #: Company:  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CI	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
442599	SP1 @ SURFACE	G	1											
	SP1 @ 1'	G	1											
	SP2 @ SURFACE	G	1											
	SP2 @ 1'	G	1											
	SP3 @ SURFACE	G	1											
	SP3 @ 1'	G	1											
	SP4 @ SURFACE	G	1											
	SP4 @ 1'	G	1											

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' 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 related to 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: *Price Brunson* Date: 8/22/14 Time: 5:00 AM  
 Received By: *Paul Henderson* Date: 8/25/14 Time: 11:15 AM  
 Delivered By: (Circle One)  UPS  Bus  Other: *-D. Lov*  
 Sample Condition:  Cool  Intact  
 CHECKED BY: *PH*

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

#54

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	Patton 17 Federal #1 CTB	Facility Type	Gathering
Surface Owner	BLM	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
	17	24S	31E					Eddy

Latitude N 32.21217° Longitude W 103.79951°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	8 bbls oil and 5 bbls produced water	Volume Recovered	0 bbls
Source of Release	Over pressure in 2" steel vent line	Date and Hour of Occurrence	4/22/2014	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	4/22/2014 @ 10:50 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 in a 2" steel vent line caused tanks to spill 8 bbls of oil and 5 bbls of produced water to leak onto the ground. No fluids were recovered and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 10'x 43' on location. Leak stayed within the facility. Remediation will be performed in accordance with a plan approved by NMOCD and 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: 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: 4-22-14	Phone: (575) 397-8216		

\* Attach Additional Sheets If Necessary