



## **OXY – GILA 12 FEDERAL #2H BATTERY (10/21/16)**

### **REMEDIATION PLAN**

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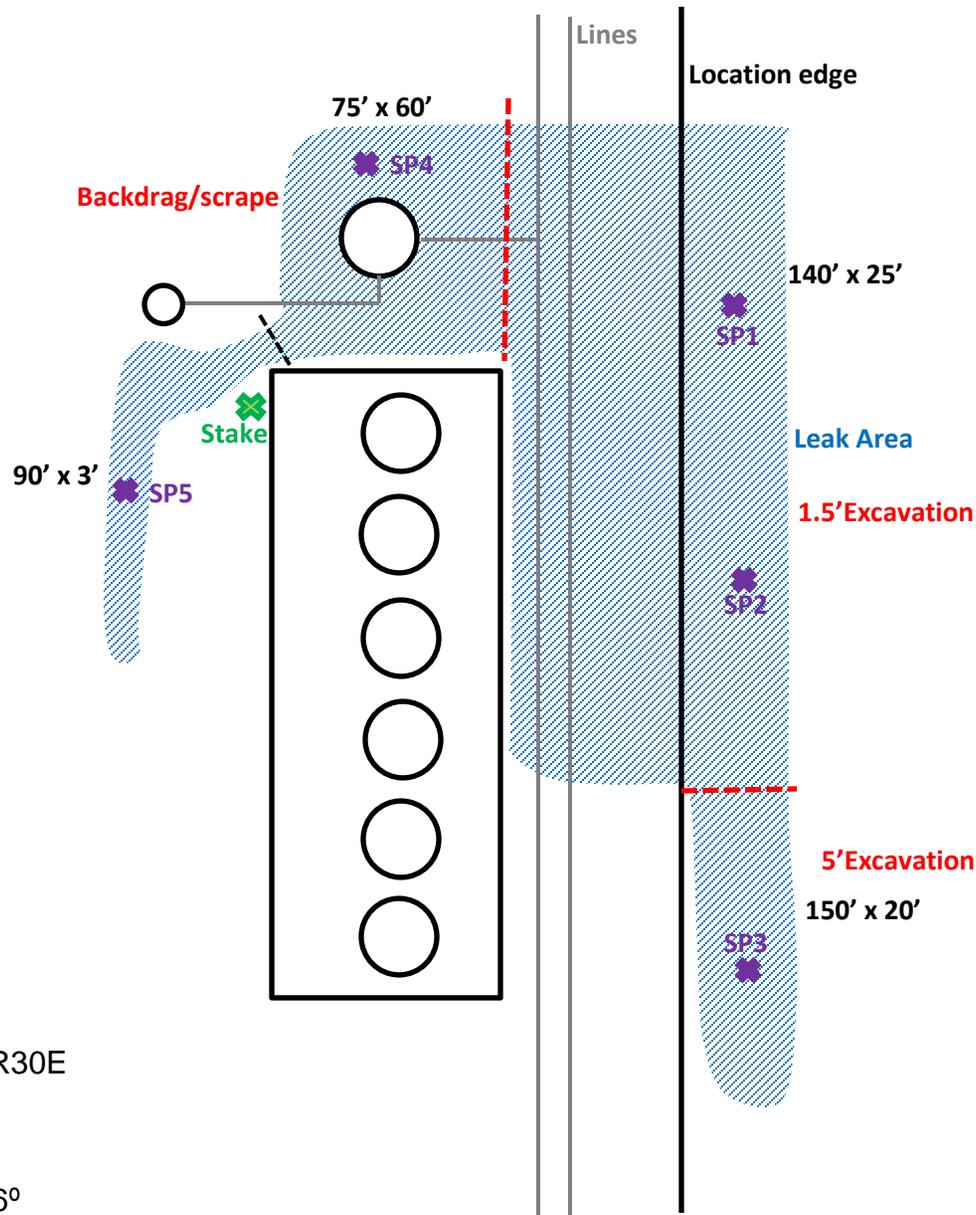
OXY will excavate the spill area as depicted on the following site diagram. The leak area around SP1 and SP2 will be excavated to a depth of 1.5 feet and the area around SP3 will be excavated to a depth of 5 feet. The leak area around SP4 and SP5 will be backdragged/scraped. The entire site will then be backfilled with clean soil.

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



Oxy

### Gila 12 Federal #2H Battery (10/21/16)



U/L O, Section 12, T24S, R30E

Eddy County, NM

N 32.22696° W 103.83256°

API# 30-015-36401

<b>BBC International, Inc.</b>	
<b>Oxy</b>	
<b>Gila 12 Federal #2H Battery</b>	
Date: 10/25/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016



# Groundwater Plot

## Oxy Gila 12 Federal #2H Battery

County  
Eddy County

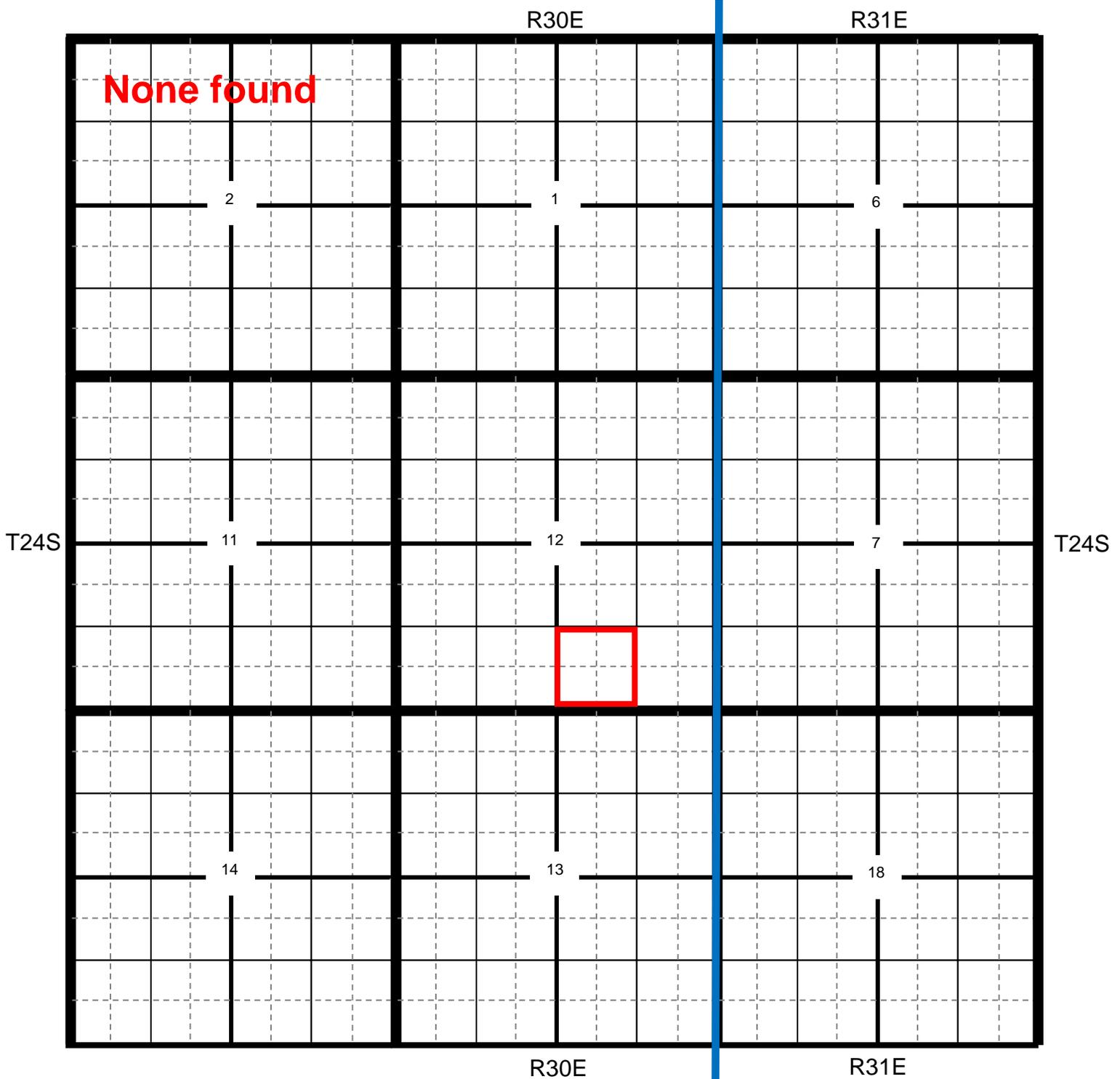
Unit Letter  
O

Section  
12

Township  
24S

Range  
30E

Trend Map 375'



📍 Location

● OCD

● USGS

● SEO

● All Databases

## Oxy Gila 12 Federal #2H Battery

**County** Eddy      **Unit Letter** O      **Section** 12      **Township** 24S      **Range** 30E

Trend Map 375'

1

2

NW/NW	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  
Gila 12 Federal #2H Battery**

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
			11/1/16	11/1/16	11/1/16	11/1/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<b>0.072</b>	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<b>0.245</b>	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<b>0.317</b>	<0.300	n/a	n/a
Chloride	SM4500CI-B		<b>21200</b>	<b>384</b>	<b>1300</b>	<b>64</b>
GRO	TPH 8015M		<b>11.7</b>	<10.0	n/a	n/a
DRO	TPH 8015M		<b>928</b>	<10.0	n/a	n/a

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 2'
			11/1/16	11/1/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500CI-B		<b>528</b>	<b>432</b>
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<b>12.6</b>	n/a

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
			11/1/16	11/1/16	11/1/16	11/1/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<b>0.077</b>	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<b>0.256</b>	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<b>0.333</b>	<0.300	n/a	n/a
Chloride	SM4500CI-B		<b>19200</b>	<b>288</b>	<b>288</b>	<b>80</b>
GRO	TPH 8015M		<b>13.4</b>	<10.0	n/a	n/a
DRO	TPH 8015M		<b>1100</b>	<10.0	n/a	n/a

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 2'
			11/1/16	11/1/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a
Toluene	BTEX 8021B		<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	n/a
Chloride	SM4500CI-B		<b>544</b>	<b>368</b>
GRO	TPH 8015M		<10.0	n/a
DRO	TPH 8015M		<10.0	n/a

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 6'
			11/1/16	11/1/16	11/1/16	11/1/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<b>3.89</b>	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<b>5.49</b>	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<b>24.1</b>	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<b>33.5</b>	<0.300	<0.300	n/a
Chloride	SM4500CI-B		<b>17600</b>	<b>7460</b>	<b>2120</b>	<b>80</b>
GRO	TPH 8015M		<b>1230</b>	<10.0	<10.0	n/a
DRO	TPH 8015M		<b>8520</b>	<b>12.6</b>	<10.0	n/a

November 09, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GILA 12 FEDERAL #2H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/02/16 17:00.

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](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,



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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 1' (H602466-01)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
<b>Ethylbenzene*</b>	<b>0.072</b>	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
<b>Total Xylenes*</b>	<b>0.245</b>	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
<b>Total BTEX</b>	<b>0.317</b>	0.300	11/08/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>21200</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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>11.7</b>	10.0	11/05/2016	ND	194	97.1	200	0.233	
<b>DRO &gt;C10-C28</b>	<b>928</b>	10.0	11/05/2016	ND	195	97.5	200	0.433	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 2' (H602466-02)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
Total BTEX	<0.300	0.300	11/08/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 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
<b>Chloride</b>	<b>384</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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	11/05/2016	ND	194	97.1	200	0.233	
DRO >C10-C28	<10.0	10.0	11/05/2016	ND	195	97.5	200	0.433	

*Surrogate: 1-Chlorooctane 98.3 % 35-147*
*Surrogate: 1-Chlorooctadecane 88.2 % 28-171*
**Sample ID: SP 1 @ 3' (H602466-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1300</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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\*=Accredited Analyte

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

Received:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 4' (H602466-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	11/03/2016	ND	416	104	400	3.77	

**Sample ID: SP 2 @ 1' (H602466-05)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
<b>Ethylbenzene*</b>	<b>0.077</b>	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
<b>Total Xylenes*</b>	<b>0.256</b>	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
<b>Total BTEX</b>	<b>0.333</b>	0.300	11/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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
<b>Chloride</b>	<b>19200</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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>13.4</b>	10.0	11/05/2016	ND	194	97.1	200	0.233	
<b>DRO &gt;C10-C28</b>	<b>1100</b>	10.0	11/05/2016	ND	195	97.5	200	0.433	

Surrogate: 1-Chlorooctane 116 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 2' (H602466-06)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
Total BTEX	<0.300	0.300	11/08/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>288</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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	11/05/2016	ND	194	97.1	200	0.233	
DRO >C10-C28	<10.0	10.0	11/05/2016	ND	195	97.5	200	0.433	

*Surrogate: 1-Chlorooctane 111 % 35-147*
*Surrogate: 1-Chlorooctadecane 103 % 28-171*
**Sample ID: SP 2 @ 3' (H602466-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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\*=Accredited Analyte

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 Fax To: (575) 397-0397

Received:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 4' (H602466-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	11/03/2016	ND	416	104	400	3.77	

**Sample ID: SP 3 @ 1' (H602466-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/08/2016	ND	2.26	113	2.00	0.514	
<b>Toluene*</b>	<b>3.89</b>	0.500	11/08/2016	ND	2.31	116	2.00	0.484	
<b>Ethylbenzene*</b>	<b>5.49</b>	0.500	11/08/2016	ND	2.21	111	2.00	0.0411	
<b>Total Xylenes*</b>	<b>24.1</b>	1.50	11/08/2016	ND	6.72	112	6.00	0.101	
<b>Total BTEX</b>	<b>33.5</b>	3.00	11/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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
<b>Chloride</b>	<b>17600</b>	16.0	11/03/2016	ND	416	104	400	3.77	

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>1230</b>	50.0	11/05/2016	ND	194	97.1	200	0.233		
<b>DRO &gt;C10-C28</b>	<b>8520</b>	50.0	11/05/2016	ND	195	97.5	200	0.433		

Surrogate: 1-Chlorooctane 241 % 35-147

Surrogate: 1-Chlorooctadecane 223 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 3' (H602466-10)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
Total BTEX	<0.300	0.300	11/08/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7460</b>	16.0	11/03/2016	ND	432	108	400	0.00	QM-07

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	11/05/2016	ND	194	97.1	200	0.233	
<b>DRO &gt;C10-C28</b>	<b>12.6</b>	10.0	11/05/2016	ND	195	97.5	200	0.433	

*Surrogate: 1-Chlorooctane 116 % 35-147*
*Surrogate: 1-Chlorooctadecane 108 % 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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 3 @ 5' (H602466-11)**

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	11/08/2016	ND	2.26	113	2.00	0.514		
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484		
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.21	111	2.00	0.0411		
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.72	112	6.00	0.101		
Total BTEX	<0.300	0.300	11/08/2016	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	
<b>Chloride</b>	<b>2120</b>	16.0	11/03/2016	ND	432	108	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	11/05/2016	ND	194	97.1	200	0.233		
DRO >C10-C28	<10.0	10.0	11/05/2016	ND	195	97.5	200	0.433		

*Surrogate: 1-Chlorooctane 110 % 35-147*
*Surrogate: 1-Chlorooctadecane 93.9 % 28-171*
**Sample ID: SP 3 @ 6' (H602466-12)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	11/03/2016	ND	432	108	400	0.00		

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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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 4 @ 1' (H602466-13)**

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	11/08/2016	ND	2.26	113	2.00	0.514	
Toluene*	<0.050	0.050	11/08/2016	ND	2.31	116	2.00	0.484	
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.21	111	2.00	0.0411	
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.72	112	6.00	0.101	
Total BTEX	<0.300	0.300	11/08/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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
<b>Chloride</b>	<b>528</b>	16.0	11/03/2016	ND	432	108	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	11/05/2016	ND	194	97.1	200	0.233	
<b>DRO &gt;C10-C28</b>	<b>12.6</b>	10.0	11/05/2016	ND	195	97.5	200	0.433	

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 91.2 % 28-171

**Sample ID: SP 4 @ 2' (H602466-14)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>432</b>	16.0	11/03/2016	ND	432	108	400	0.00	

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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:	11/02/2016	Sampling Date:	11/01/2016
Reported:	11/09/2016	Sampling Type:	Soil
Project Name:	GILA 12 FEDERAL #2H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 5 @ 1' (H602466-15)**

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	11/08/2016	ND	2.17	109	2.00	3.85	
Toluene*	<0.050	0.050	11/08/2016	ND	2.21	110	2.00	3.32	
Ethylbenzene*	<0.050	0.050	11/08/2016	ND	2.12	106	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/08/2016	ND	6.43	107	6.00	2.45	
Total BTEX	<0.300	0.300	11/08/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 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
<b>Chloride</b>	<b>544</b>	16.0	11/03/2016	ND	432	108	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	11/05/2016	ND	194	97.1	200	0.233	
DRO >C10-C28	<10.0	10.0	11/05/2016	ND	195	97.5	200	0.433	

*Surrogate: 1-Chlorooctane 115 % 35-147*
*Surrogate: 1-Chlorooctadecane 99.1 % 28-171*
**Sample ID: SP 5 @ 2' (H602466-16)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	11/03/2016	ND	432	108	400	0.00	

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\* = 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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if 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



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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**

**BILL TO ANALYSIS REQUEST**

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: <i>Oxy</i>	
Address: P.O. Box 805		Attn: <i>Casey Summers</i>	
City: Hobbs		Address:	
Phone #: 575-397-6388		State: <i>Oxy</i>	
Fax #: 575-397-0397		City:	
Project #: <i>Project Owner: Oxy</i>		State:	
Project Name: GILA 12 FEDERAL #2H BATTERY		Zip:	
Project Location: EDDY COUNTY, NM		Phone #:	
Sampler Name: <b>ROGER HERNANDEZ</b>		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	CI	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<i>H00246</i>	SP1 @ 1'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	11:29 AM	✓	✓	✓	
	SP1 @ 2'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	11:50 AM	✓	✓	✓	
	SP1 @ 3'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	12:00 PM	✓	✓	✓	
	SP1 @ 4'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	12:10 PM	✓	✓	✓	
	SP2 @ 1'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	12:40 PM	✓	✓	✓	
	SP2 @ 2'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	12:55 PM	✓	✓	✓	
	SP2 @ 3'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	1:10 PM	✓	✓	✓	
	SP2 @ 4'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	1:20 PM	✓	✓	✓	
	SP3 @ 1'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	1:36 PM	✓	✓	✓	
	SP3 @ 3'		6	✓	✓	✓	✓	✓	✓	✓	11/1/16	2:05 PM	✓	✓	✓	

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Relinquished By: <i>Casey Summers</i>	Date: <i>11/1/16</i>	Time: <i>5:00pm</i>	Received By: <i>Spadi Hernandez</i>	Date: _____	Time: _____
Delivered By: (Circle One)	Sampler - UPS	Bus	Other	Sample Condition	CHECKED BY: <i>[Signature]</i>
	<i>1.5c #75</i>			<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
REMARKS:					
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Add'l Phone #:					
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	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Gila 12 Federal #2H Battery	Facility Type	Battery

Surface Owner	BLM	Mineral Owner		API No.	30-015-36401
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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
O	12	24S	30E					Eddy County, NM

Latitude N 32.22696° Longitude W 103.83256°

**NATURE OF RELEASE**

Type of Release	Oil and produced water	Volume of Release	10 bbls oil, 40 bbls produced water	Volume Recovered	5 bbls
Source of Release	Failure of the emergency shut off valve	Date and Hour of Occurrence	10/21/2016	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	Date and Hour	10/21/2016 2 3:33 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.\*

Failure of the emergency shut off valve caused the tank to spill over and leak 10 bbls of oil and 40 bbls of produced water. A vacuum truck recovered 5 bbls of fluids and the valve was repaired.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 300' x 80' both on and off location. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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

Signature:	<b>OIL CONSERVATION DIVISION</b>		
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: 10-25-16	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary