



Oxy – East Eumont Battery (09/01/2016)

REMEDIATION PLAN, RP # 1RP-4443

Oxy will excavate the spill area as depicted on the following site diagram. The area around SP1 will be excavated to a depth of 6 inches. The remaining leak area will be excavated to a depth of 1 foot. The entire site will then be backfilled with clean soil.

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

APPROVED

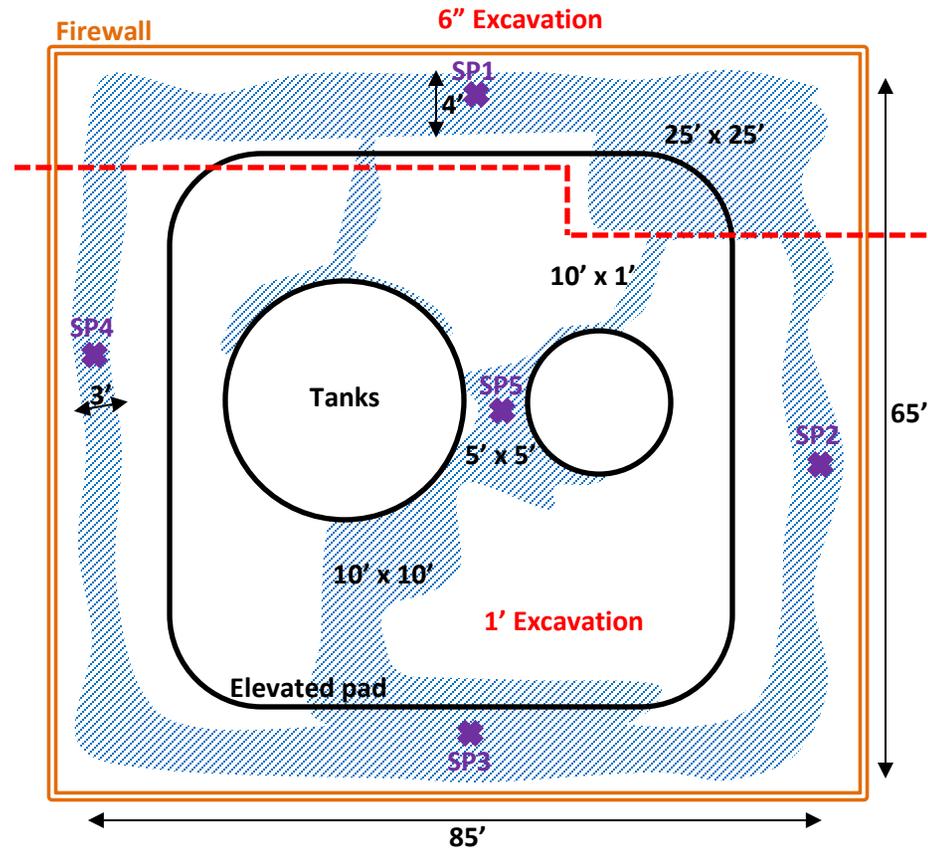
By Olivia Yu at 11:24 am, Mar 02, 2017

The delineation plan for 1RP-4443 is approved with these conditions:

1. Due to the depth to groundwater, vertical delineation at SP1-5 is required until permissible TPH, BTEX, and chloride levels are obtained and maintained for 10 ft. bgs. Use boreholes due to the location of the release with a maximum depth interval of 5 ft..
2. Excavate the area around SP1 to 1 ft, SP2-5 to 2 ft. bgs.
3. Provide scaled digital map with extent of release and photos.



Oxy
East Eumont Battery (9/1/16)



U/L M, Section 3, T19S, R37E

Lea County, NM

N 32.68473° W 103.24536°

API# 30-025-05545

BBC International, Inc.	
Oxy	
East Eumont Battery	
Date: 9/14/16	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016

**Laboratory Analytical Results Summary
East Eumont Battery**

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
			9/20/16	9/20/16	10/10/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	48	32
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		1130	<10.0	12

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'
			9/20/16	9/20/16	10/10/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.053	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.082	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		32	16	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0
DRO	TPH 8015M		746	492	19.2

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
			9/20/16	9/20/16	10/10/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		112	64	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0
DRO	TPH 8015M		624	819	10.3

Analyte	Method	Sample Date	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'
			9/20/16	9/20/16	10/10/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		16	16	32
GRO	TPH 8015M		<50.0	<50.0	<10.0
DRO	TPH 8015M		341	373	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'
			9/20/16	9/20/16	10/10/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.066	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.124	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.282	<0.150	<0.150
Total BTEX	BTEX 8021B		0.472	<0.300	<0.300
Chloride	SM4500CI-B		32	16	<16.0
GRO	TPH 8015M		<50.0	<50.0	<10.0
DRO	TPH 8015M		1540	618	12.3



September 26, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: EAST EUMONT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/21/16 9:00.

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.

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 style with a large, flowing "C" and "K".

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:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H602101-01)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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
Chloride	<16.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	1130	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 66.6 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H602101-02)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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
Chloride	48.0	16.0	09/23/2016	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	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	<10.0	10.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 80.3 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

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 Fax To: (575) 397-0397

Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H602101-03)

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	09/23/2016	ND	1.78	89.0	2.00	0.762		
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839		
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08		
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07		
Total BTEX	<0.300	0.300	09/23/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	
Chloride	112	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733		
DRO >C10-C28	624	50.0	09/22/2016	ND	203	102	200	1.22		

Surrogate: 1-Chlorooctane 73.4 % 35-147
Surrogate: 1-Chlorooctadecane 106 % 28-171

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Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H602101-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	819	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 74.1 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 28-171

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Analytical Results For:

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Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H602101-05)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	0.066	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	0.124	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	0.282	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	0.472	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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
Chloride	32.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	1540	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 77.1 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

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 Cliff Brunson
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 Hobbs NM, 88241
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Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 1' (H602101-06)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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
Chloride	16.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	618	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 66.8 % 35-147
Surrogate: 1-Chlorooctadecane 102 % 28-171

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*=Accredited Analyte

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Received:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H602101-07)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	0.053	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	0.082	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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
Chloride	32.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	746	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 73.3 % 35-147

Surrogate: 1-Chlorooctadecane 111 % 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:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H602101-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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
Chloride	16.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	492	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 67.9 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

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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:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H602101-09)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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
Chloride	16.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	341	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 71.6 % 35-147

Surrogate: 1-Chlorooctadecane 140 % 28-171

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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:	09/21/2016	Sampling Date:	09/20/2016
Reported:	09/26/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ 1' (H602101-10)

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	09/23/2016	ND	1.78	89.0	2.00	0.762	
Toluene*	<0.050	0.050	09/23/2016	ND	1.81	90.3	2.00	0.839	
Ethylbenzene*	<0.050	0.050	09/23/2016	ND	1.72	86.1	2.00	1.08	
Total Xylenes*	<0.150	0.150	09/23/2016	ND	5.21	86.8	6.00	1.07	
Total BTEX	<0.300	0.300	09/23/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/23/2016	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	<50.0	50.0	09/22/2016	ND	195	97.5	200	0.733	
DRO >C10-C28	373	50.0	09/22/2016	ND	203	102	200	1.22	

Surrogate: 1-Chlorooctane 69.1 % 35-147

Surrogate: 1-Chlorooctadecane 150 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report





CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company: *Casby*
 Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: East Eumont Battery City:
 Project Location: Lea County, NM State: Zip:
 Sampler Name: Price Brunson Fax #:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H602101	SP1 @ SURFACE		1						9/20/16	9:10 AM	✓	✓	✓	
	SP1 @ 1'		1						9/20/16	9:30 AM	✓	✓	✓	
	SP2 @ SURFACE		1						9/20/16	9:45 AM	✓	✓	✓	
	SP2 @ 1'		1						9/20/16	10:00 AM	✓	✓	✓	
	SP3 @ SURFACE		1						9/20/16	10:15 AM	✓	✓	✓	
	SP3 @ 1'		1						9/20/16	10:25 AM	✓	✓	✓	
	SP4 @ SURFACE		1						9/20/16	10:35 AM	✓	✓	✓	
	SP4 @ 1'		1						9/20/16	10:55 AM	✓	✓	✓	
	SP5 @ SURFACE		1						9/20/16	11:10 AM	✓	✓	✓	
	SP5 @ 1'		1						9/20/16	11:35 AM	✓	✓	✓	

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Relinquished By: *Price Brunson* Date: *9/20/16* Time: *2:00pm* Received By: *Cliff Brunson* Date: *9/21/16* Time: *9:00*
 Delivered By: (Circle One) *UPS* - Bus - Other: *-11:50*
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *Price Brunson* (Initials)
 REMARKS:
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 #75



October 18, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: EAST EUMONT BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/12/16 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	10/12/2016	Sampling Date:	10/10/2016
Reported:	10/18/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 2' (H602299-01)

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	10/13/2016	ND	2.29	114	2.00	0.988	
Toluene*	<0.050	0.050	10/13/2016	ND	2.39	119	2.00	1.16	
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.31	116	2.00	1.50	
Total Xylenes*	<0.150	0.150	10/13/2016	ND	6.99	116	6.00	1.41	
Total BTEX	<0.300	0.300	10/13/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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
Chloride	32.0	16.0	10/13/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2016	ND	183	91.7	200	0.933	
DRO >C10-C28	12.0	10.0	10/13/2016	ND	193	96.7	200	0.574	

Surrogate: 1-Chlorooctane 91.1 % 35-147
Surrogate: 1-Chlorooctadecane 97.9 % 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:	10/12/2016	Sampling Date:	10/10/2016
Reported:	10/18/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H602299-02)

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	10/13/2016	ND	2.29	114	2.00	0.988		
Toluene*	<0.050	0.050	10/13/2016	ND	2.39	119	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.31	116	2.00	1.50		
Total Xylenes*	<0.150	0.150	10/13/2016	ND	6.99	116	6.00	1.41		
Total BTEX	<0.300	0.300	10/13/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/13/2016	ND	183	91.7	200	0.933		
DRO >C10-C28	10.3	10.0	10/13/2016	ND	193	96.7	200	0.574		

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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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:	10/12/2016	Sampling Date:	10/10/2016
Reported:	10/18/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 2' (H602299-03)

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	10/13/2016	ND	2.29	114	2.00	0.988		
Toluene*	<0.050	0.050	10/13/2016	ND	2.39	119	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.31	116	2.00	1.50		
Total Xylenes*	<0.150	0.150	10/13/2016	ND	6.99	116	6.00	1.41		
Total BTEX	<0.300	0.300	10/13/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/13/2016	ND	183	91.7	200	0.933		
DRO >C10-C28	12.3	10.0	10/13/2016	ND	193	96.7	200	0.574		

Surrogate: 1-Chlorooctane 90.3 % 35-147

Surrogate: 1-Chlorooctadecane 97.1 % 28-171

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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:	10/12/2016	Sampling Date:	10/10/2016
Reported:	10/18/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 2' (H602299-04)

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	10/13/2016	ND	2.29	114	2.00	0.988		
Toluene*	<0.050	0.050	10/13/2016	ND	2.39	119	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.31	116	2.00	1.50		
Total Xylenes*	<0.150	0.150	10/13/2016	ND	6.99	116	6.00	1.41		
Total BTEX	<0.300	0.300	10/13/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	
Chloride	<16.0	16.0	10/13/2016	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/13/2016	ND	183	91.7	200	0.933		
DRO >C10-C28	19.2	10.0	10/13/2016	ND	193	96.7	200	0.574		

Surrogate: 1-Chlorooctane 104 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 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:	10/12/2016	Sampling Date:	10/10/2016
Reported:	10/18/2016	Sampling Type:	Soil
Project Name:	EAST EUMONT BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ 2' (H602299-05)

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	10/13/2016	ND	2.29	114	2.00	0.988		
Toluene*	<0.050	0.050	10/13/2016	ND	2.39	119	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/13/2016	ND	2.31	116	2.00	1.50		
Total Xylenes*	<0.150	0.150	10/13/2016	ND	6.99	116	6.00	1.41		
Total BTEX	<0.300	0.300	10/13/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	
Chloride	32.0	16.0	10/13/2016	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/13/2016	ND	183	91.7	200	0.933		
DRO >C10-C28	<10.0	10.0	10/13/2016	ND	193	96.7	200	0.574		

Surrogate: 1-Chlorooctane 98.5 % 35-147

Surrogate: 1-Chlorooctadecane 98.8 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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



Celey D. Keene, Lab Director/Quality Manager

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	East Eumont Battery	Facility Type	Battery

Surface Owner	State	Mineral Owner		API No.	30-025-05545
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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
M	3	19S	37E					Lea County, NM

Latitude N 32.68473° Longitude W 103.24536°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	50 bbls oil, 10 bbls produced water	Volume Recovered	60 bbls
Source of Release	Lack of communication caused a tank to spill	Date and Hour of Occurrence	09/01/2016	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?	Jamie Keyes, Kristen Lynch-NMOCD		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	09/02/2016 @ 11:01 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.*

Lack of communication caused a tank to spill over 50 bbls of oil and 10 bbls of produced water. A vacuum truck recovered all free-standing fluids and communication was re-established.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 85' x 65' on location inside the berm. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9-14-16	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary