



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

Oxy – State AR #003 Battery (11/03/2016)

REMEDIATION PLAN, RP # 1RP-4518

Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be surface-scraped. The impacted material inside the lined battery area will be removed. 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 12:09 pm, Mar 07, 2017

Delineation workplan for 1RP-4518 is approved with these conditions:

- 1) Complete vertical delineation of two sample locations within the battery.
- 2) Scaled, digital map in closure report.



Oxy
State AR #003 Battery (11/03/16)

✱ North Sample

Surface scrape the entire leak area

West Sample ✱

Electrical

SP3

30' x 20'

SP2

45' x 28'

SP1

Lined
Battery

✱ GPS N 32.59991 W 103.22853

✱ East Sample

30' x 90'

1' tall Berm

Overspray and
Burn Area
60' x 90'

SP4

SP5

✱ South Sample

U/L L, Section 2, T20S, R37E

Lea County, NM

N 32.59991° W 103.22853°

API# 30-025-37155

BBC International, Inc.

Oxy
State AR #003 Battery

Date: 12/08//2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016

Groundwater Plot

Oxy State AR #003 Battery

County
Lea

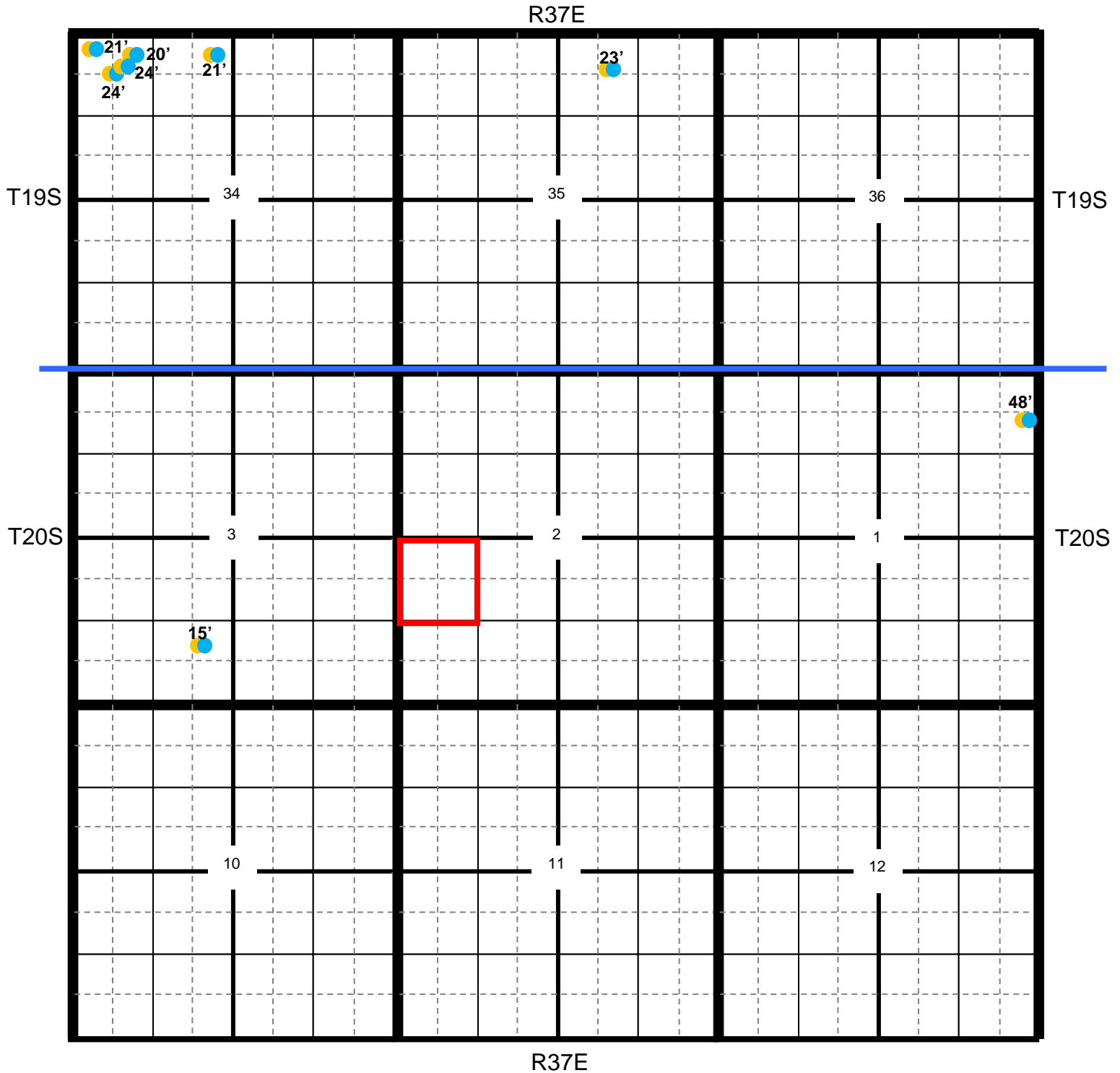
Unit Letter
L

Section
2

Township
20S

Range
37E

Trend Map <50'



Location

OCD

USGS

SEO

All Databases

Oxy State AR #003 Battery

County Lea Unit Letter L Section 2 Township 20S Range 37E

Trend Map <50'

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
State AR #003 Battery

		Sample	SP1 @ 1'
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	NORTH SAMPLE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP2 @ 1'
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	EAST SAMPLE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.05
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP3 @ 1'
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		32
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SOUTH SAMPLE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP4 @ SURFACE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		0.058
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		16
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		64.9

		Sample	WEST SAMPLE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		32
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP5 @ SURFACE
Analyte	Method	Date	12/23/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		16
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



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

January 04, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE AR #003 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/27/16 16:50.

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, 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:	12/27/2016	Sampling Date:	12/23/2016
Reported:	01/04/2017	Sampling Type:	Soil
Project Name:	STATE AR #003 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H602872-01)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	64.0	16.0	12/28/2016	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 88.8 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 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: 12/27/2016
Reported: 01/04/2017
Project Name: STATE AR #003 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H602872-02)

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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTEx	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 91.5 % 35-147

Surrogate: 1-Chlorooctadecane 87.5 % 28-171

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Received: 12/27/2016
Reported: 01/04/2017
Project Name: STATE AR #003 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H602872-03)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	32.0	16.0	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 87.2 % 28-171

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Fax To: (575) 397-0397

Received:	12/27/2016	Sampling Date:	12/23/2016
Reported:	01/04/2017	Sampling Type:	Soil
Project Name:	STATE AR #003 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ SURFACE (H602872-04)

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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	0.058	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTEx	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	64.9	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 62.0 % 35-147

Surrogate: 1-Chlorooctadecane 68.9 % 28-171

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Received:	12/27/2016	Sampling Date:	12/23/2016
Reported:	01/04/2017	Sampling Type:	Soil
Project Name:	STATE AR #003 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ SURFACE (H602872-05)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 86.6 % 35-147

Surrogate: 1-Chlorooctadecane 94.2 % 28-171

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

Received: 12/27/2016
Reported: 01/04/2017
Project Name: STATE AR #003 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: NORTH SAMPLE (H602872-06)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 76.5 % 35-147

Surrogate: 1-Chlorooctadecane 83.5 % 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: 12/27/2016
 Reported: 01/04/2017
 Project Name: STATE AR #003 BATTERY
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 12/23/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST SAMPLE (H602872-07)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/28/2016	ND	181	90.3	200	0.348	
DRO >C10-C28	<10.0	10.0	12/28/2016	ND	187	93.5	200	2.11	

Surrogate: 1-Chlorooctane 68.7 % 35-147

Surrogate: 1-Chlorooctadecane 69.4 % 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: 12/27/2016
Reported: 01/04/2017
Project Name: STATE AR #003 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SOUTH SAMPLE (H602872-08)

BTX 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	12/29/2016	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	12/29/2016	ND	2.16	108	2.00	0.806	
Ethylbenzene*	<0.050	0.050	12/29/2016	ND	2.12	106	2.00	0.955	
Total Xylenes*	<0.150	0.150	12/29/2016	ND	6.36	106	6.00	0.865	
Total BTX	<0.300	0.300	12/29/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/29/2016	ND	222	111	200	1.28	
DRO >C10-C28	<10.0	10.0	12/29/2016	ND	227	113	200	4.73	

Surrogate: 1-Chlorooctane 86.3 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 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: 12/27/2016
Reported: 01/04/2017
Project Name: STATE AR #003 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/23/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WEST SAMPLE (H602872-09)

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	12/30/2016	ND	1.82	91.1	2.00	2.19		
Toluene*	<0.050	0.050	12/30/2016	ND	1.85	92.3	2.00	2.27		
Ethylbenzene*	<0.050	0.050	12/30/2016	ND	1.90	95.0	2.00	2.67		
Total Xylenes*	<0.150	0.150	12/30/2016	ND	5.54	92.3	6.00	2.61		
Total BTEx	<0.300	0.300	12/30/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	32.0	16.0	12/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/29/2016	ND	222	111	200	1.28	
DRO >C10-C28	<10.0	10.0	12/29/2016	ND	227	113	200	4.73	

Surrogate: 1-Chlorooctane 96.6 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 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

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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

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Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: STATE AR #003 BATTERY Project Location: Sampler Name: ROGER HERNANDEZ FOR LAB USE ONLY				P.O. #: Company: OXY Attn: Casey Summers Address: City: State: Zip: Phone #: Fax #: PRESERV: SAMPLING:													
BILL TO				ANALYSIS REQUEST													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	CL-
H1602412	SP10 1'	C	1										12-23-16	9:00			
	SP12 1'	C	1										12-23-16	9:50			
	SP30 1'	C	1										12-23-16	10:40			
	SP04 @ SURFACE	C	1										12-23-16	10:50			
	SP05 @ SURFACE	C	1										12-23-16	11:00			
	NORTH SAMPLE	C	1										12-23-16	12:30			
	EAST SAMPLE	C	1										12-23-16	1:00			
	SOUTH SAMPLE	C	1										12-23-16	1:25			
	WEST SAMPLE	C	1										12-23-16	1:40			

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Relinquished By: ROGER HERNANDEZ	Date: 12-27-16	Received By: [Signature]
Relinquished By:	Date:	Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #15	3.80	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
CHECKED BY: [Signature]		
REMARKS:		

† 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

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	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	State AR #003 Battery	Facility Type	Battery

Surface Owner	State	Mineral Owner	API No.	30-025-37155
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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
L	2	20S	37E					Lea County, NM

Latitude N 32.60027° Longitude W 103.22839°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	162 bbls oil, unknown amt of produced water	Volume Recovered	0 bbls
Source of Release	A lightning strike caused the east oil production tank and 2 other tanks to catch fire, burn, and melt that resulted in a hydrocarbon and produced water burn off	Date and Hour of Occurrence	11/02/2016	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?	Kristen Lynch- NMOCD		
By Whom?	Kathy Purvis	Date and Hour	11/03/2016 @ 4:30 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 lightning strike started a fire on the east oil production tank and two other tanks causing them to burn and melt. As a result of the fire, the hydrocarbon and produced water content burned off. Therefore, no fluids were recovered.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 50' x 100' both on and off location. 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:	
Date: 11-15-16 Phone: (575) 513-8289		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



11/04/2016







02/21/2017