



**Oxy – State DW #010 (07/13/2016)**  
**REMEDIATION PLAN, RP # 1RP-4358**

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Oxy will excavate the spill area as depicted on the following site diagram. In the areas of SP1 and SP2, Oxy will excavate to a depth of 2.5 feet. In the area of SP3, the excavation depth will be 4.5 feet. The entire site will then be backfilled with clean soil.

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

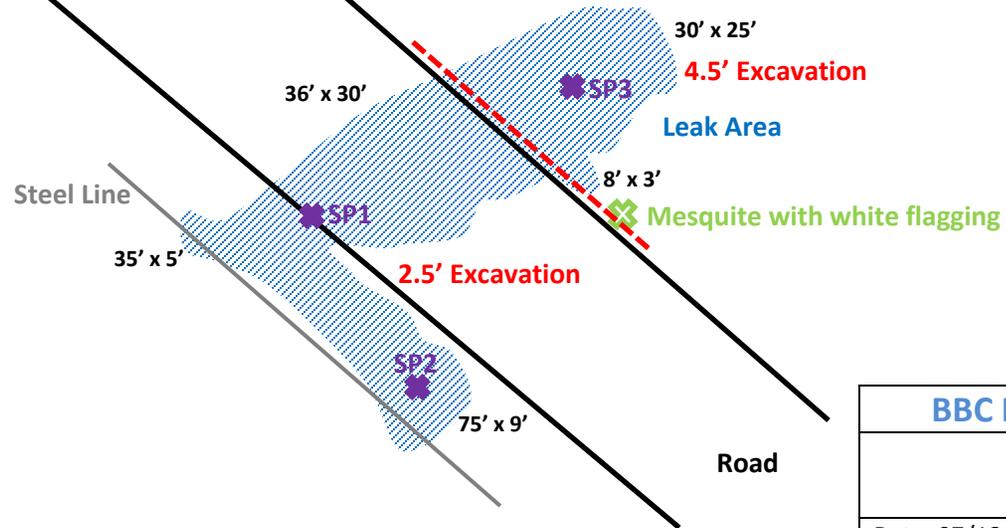
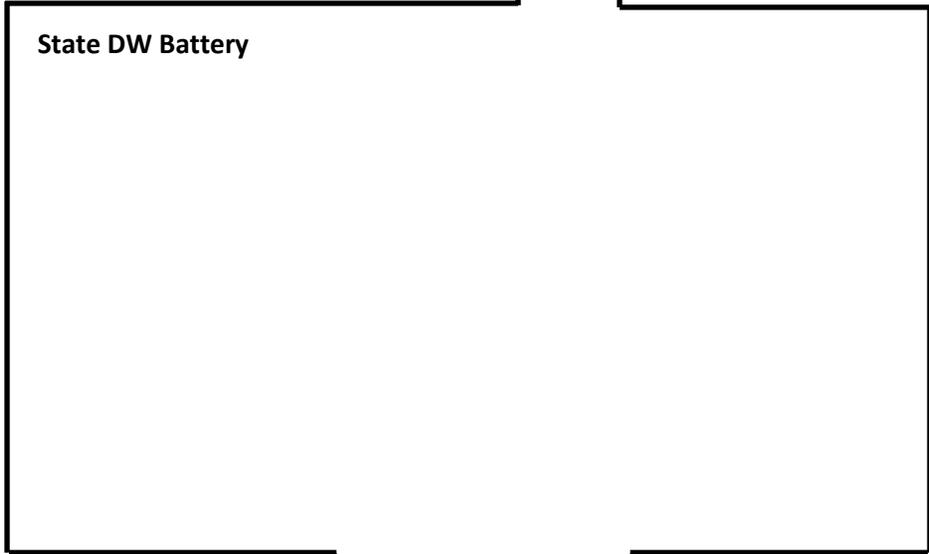


Oxy

State DW #010 (7/13/16)

Road

State DW Battery



U/L J, Section 12, T18S, R33E

Lea County, NM

N 32.76109° W 103.61531°

API# 30-025-29023

BBC International, Inc.

Oxy  
State DW #010

Date: 07/18/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016

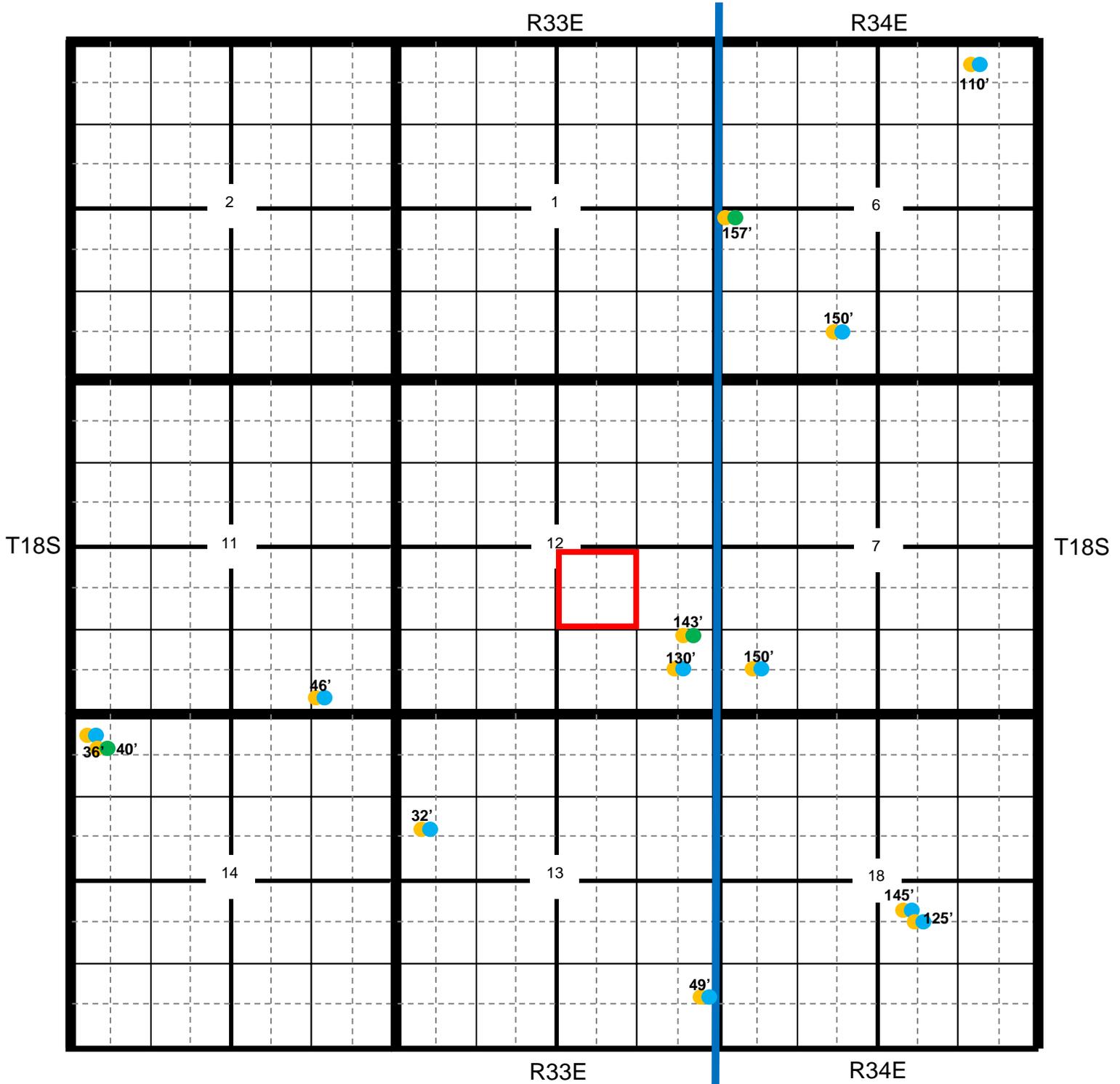


# Groundwater Plot

## Oxy State DW #010

County: Lea County      Unit Letter: J      Section: 12      Township: 18S      Range: 33E

Trend Map      125'



Location      OCD      USGS      SEO      All Databases

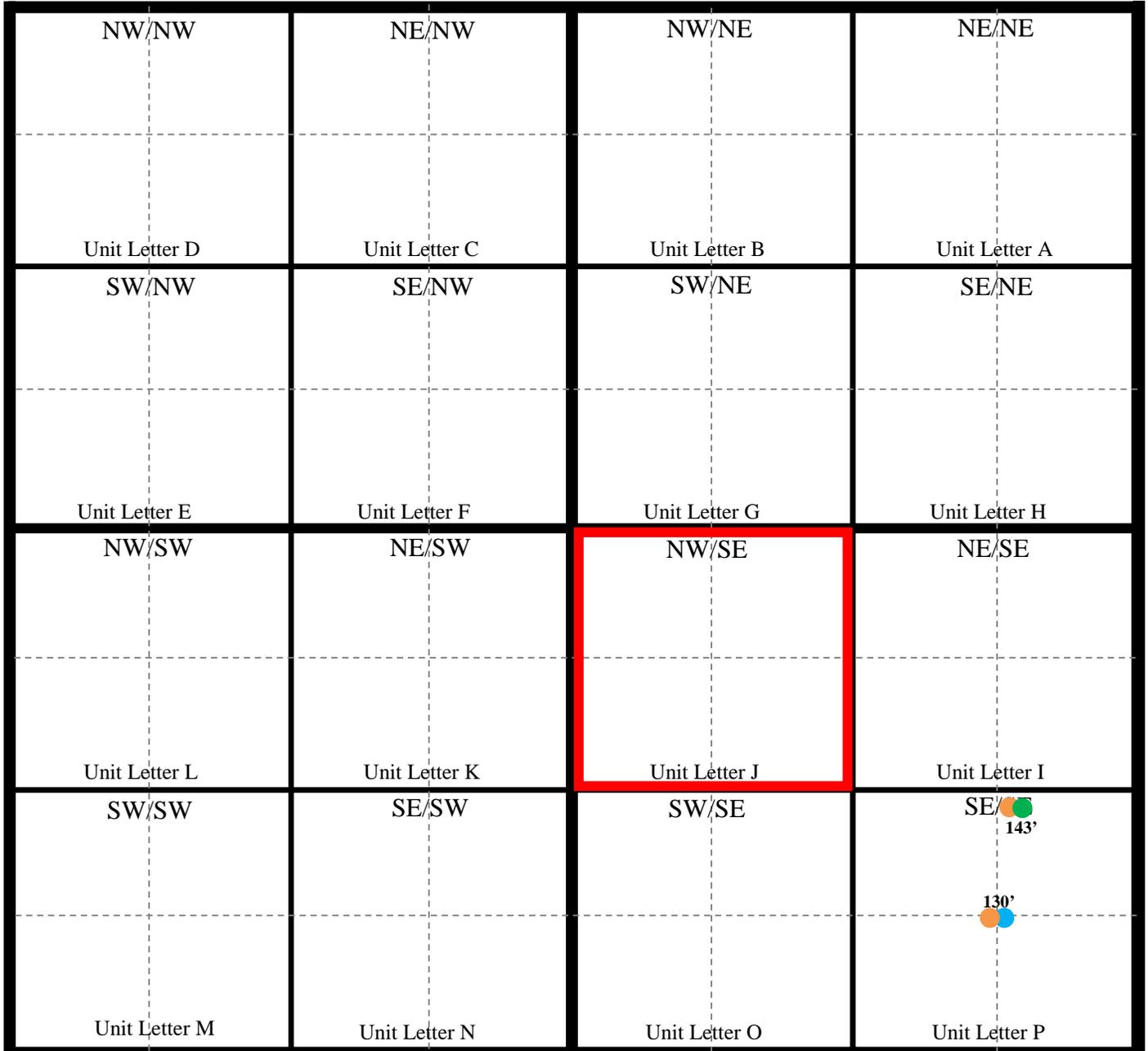
# Oxy State DW #010

County: Lea      Unit Letter: J      Section: 12      Township: 18S      Range: 33E

Trend Map 125'

1

2



3

4

**Laboratory Analytical Results Summary  
State DW #010**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	7/21/16	7/21/16	8/3/16	8/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>20000</b>	<b>4240</b>	<b>816</b>	<b>384</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>136</b>	<b>95.9</b>	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	7/21/16	7/21/16	8/3/16	8/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Toluene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Ethylbenzene</b>	BTEX 8021B		<0.050	<0.050	n/a	n/a
<b>Total Xylenes</b>	BTEX 8021B		<0.150	<0.150	n/a	n/a
<b>Total BTEX</b>	BTEX 8021B		<0.300	<0.300	n/a	n/a
<b>Chloride</b>	SM4500Cl-B		<b>20400</b>	<b>4400</b>	<b>688</b>	<b>400</b>
<b>GRO</b>	TPH 8015M		<10.0	<10.0	n/a	n/a
<b>DRO</b>	TPH 8015M		<b>27</b>	<b>125</b>	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	7/21/16	7/21/16	7/21/16	7/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Benzene</b>	BTEX 8021B		<0.050	<0.500	<0.050	<0.050
<b>Toluene</b>	BTEX 8021B		<b>0.596</b>	<b>2.65</b>	<0.050	<0.050
<b>Ethylbenzene</b>	BTEX 8021B		<b>2.33</b>	<b>7.75</b>	<0.050	<0.050
<b>Total Xylenes</b>	BTEX 8021B		<b>5.02</b>	<b>15.6</b>	<0.150	<0.150
<b>Total BTEX</b>	BTEX 8021B		<b>7.95</b>	<b>26</b>	<0.300	<0.300
<b>Chloride</b>	SM4500Cl-B		<b>12300</b>	<b>12800</b>	<b>5040</b>	<b>432</b>
<b>GRO</b>	TPH 8015M		<b>124</b>	<b>631</b>	<10.0	<10.0
<b>DRO</b>	TPH 8015M		<b>2290</b>	<b>11000</b>	<b>200</b>	<b>340</b>



July 30, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE DW #10

Enclosed are the results of analyses for samples received by the laboratory on 07/22/16 16:15.

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,

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:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 1' (H601649-01)**

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	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140*

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>20000</b>	16.0	07/25/2016	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	07/25/2016	ND	185	92.3	200	4.36	
<b>DRO &gt;C10-C28</b>	<b>136</b>	10.0	07/25/2016	ND	190	94.8	200	7.04	

*Surrogate: 1-Chlorooctane 86.4 % 35-147*
*Surrogate: 1-Chlorooctadecane 97.1 % 28-171*

Cardinal Laboratories

\*=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:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 2' (H601649-02)**

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	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

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>4240</b>	16.0	07/25/2016	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	07/25/2016	ND	185	92.3	200	4.36	
<b>DRO &gt;C10-C28</b>	<b>95.9</b>	10.0	07/25/2016	ND	190	94.8	200	7.04	

Surrogate: 1-Chlorooctane 88.5 % 35-147

Surrogate: 1-Chlorooctadecane 92.7 % 28-171

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\*=Accredited Analyte

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

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 1' (H601649-03)**

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	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140*

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>20400</b>	16.0	07/25/2016	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	07/25/2016	ND	185	92.3	200	4.36	
<b>DRO &gt;C10-C28</b>	<b>27.0</b>	10.0	07/25/2016	ND	190	94.8	200	7.04	

*Surrogate: 1-Chlorooctane 84.6 % 35-147*
*Surrogate: 1-Chlorooctadecane 92.6 % 28-171*

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

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 2' (H601649-04)**

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	07/26/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/26/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140*

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>4400</b>	16.0	07/27/2016	ND	400	100	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	07/25/2016	ND	185	92.3	200	4.36	
<b>DRO &gt;C10-C28</b>	<b>125</b>	10.0	07/25/2016	ND	190	94.8	200	7.04	

*Surrogate: 1-Chlorooctane 81.8 % 35-147*
*Surrogate: 1-Chlorooctadecane 93.5 % 28-171*

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

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 1' (H601649-05)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2016	ND	2.14	107	2.00	0.142	
<b>Toluene*</b>	<b>0.596</b>	0.050	07/26/2016	ND	2.18	109	2.00	0.0509	
<b>Ethylbenzene*</b>	<b>2.33</b>	0.050	07/26/2016	ND	2.09	105	2.00	0.209	
<b>Total Xylenes*</b>	<b>5.02</b>	0.150	07/26/2016	ND	6.31	105	6.00	0.107	
<b>Total BTEX</b>	<b>7.95</b>	0.300	07/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 73.6-140

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>12300</b>	16.0	07/27/2016	ND	400	100	400	0.00	

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>124</b>	10.0	07/25/2016	ND	185	92.3	200	4.36	
<b>DRO &gt;C10-C28</b>	<b>2290</b>	10.0	07/25/2016	ND	190	94.8	200	7.04	

Surrogate: 1-Chlorooctane 97.2 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 3' (H601649-06)**

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	07/27/2016	ND	2.14	107	2.00	0.142	
<b>Toluene*</b>	<b>2.65</b>	0.500	07/27/2016	ND	2.18	109	2.00	0.0509	
<b>Ethylbenzene*</b>	<b>7.75</b>	0.500	07/27/2016	ND	2.09	105	2.00	0.209	
<b>Total Xylenes*</b>	<b>15.6</b>	1.50	07/27/2016	ND	6.31	105	6.00	0.107	
<b>Total BTEX</b>	<b>26.0</b>	3.00	07/27/2016	ND					

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

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>12800</b>	16.0	07/27/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>631</b>	50.0	07/26/2016	ND	191	95.5	200	2.47	QM-07, QR-03	
<b>DRO &gt;C10-C28</b>	<b>11000</b>	50.0	07/26/2016	ND	197	98.3	200	4.62	QM-07, QR-03	

Surrogate: 1-Chlorooctane 184 % 35-147

Surrogate: 1-Chlorooctadecane 303 % 28-171

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 Fax To: (575) 397-0397

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 4' (H601649-07)**

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	07/27/2016	ND	2.14	107	2.00	0.142	
Toluene*	<0.050	0.050	07/27/2016	ND	2.18	109	2.00	0.0509	
Ethylbenzene*	<0.050	0.050	07/27/2016	ND	2.09	105	2.00	0.209	
Total Xylenes*	<0.150	0.150	07/27/2016	ND	6.31	105	6.00	0.107	
Total BTEX	<0.300	0.300	07/27/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140*

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>5040</b>	16.0	07/27/2016	ND	400	100	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	07/26/2016	ND	191	95.5	200	2.47	
<b>DRO &gt;C10-C28</b>	<b>200</b>	10.0	07/26/2016	ND	197	98.3	200	4.62	

*Surrogate: 1-Chlorooctane 83.0 % 35-147*
*Surrogate: 1-Chlorooctadecane 93.6 % 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

**Analytical Results For:**

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

Received:	07/22/2016	Sampling Date:	07/21/2016
Reported:	07/30/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 5' (H601649-08)**

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	07/28/2016	ND	2.32	116	2.00	0.836	
Toluene*	<0.050	0.050	07/28/2016	ND	2.36	118	2.00	0.985	
Ethylbenzene*	<0.050	0.050	07/28/2016	ND	2.27	113	2.00	1.15	
Total Xylenes*	<0.150	0.150	07/28/2016	ND	6.81	114	6.00	1.08	
Total BTEX	<0.300	0.300	07/28/2016	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140*

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>432</b>	16.0	07/27/2016	ND	400	100	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	07/26/2016	ND	191	95.5	200	2.47	
<b>DRO &gt;C10-C28</b>	<b>340</b>	10.0	07/26/2016	ND	197	98.3	200	4.62	

*Surrogate: 1-Chlorooctane 92.9 % 35-147*
*Surrogate: 1-Chlorooctadecane 105 % 28-171*

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.
- 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**

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #:  
 Address: P.O. Box 805 Company:  
 City: Hobbs State: NM Zip: 88241 Attn:  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:  
 Project #: Project Owner: OXY City:  
 Project Name: State DW #10 State: Zip:  
 Project Location: Phone #:  
 Sampler Name: Roger Hernandez Fax #:

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TBA	BTEX	CL
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
	H001049	1	G	1								7/21/16	845				
		2	G	1								7/21/16	910				
		3	G	1								7/21/16	945				
		4	G	1								7/21/16	1010				
		5	G	1								7/21/16	1135				
		6	G	1								7/21/16	120				
		7	G	1								7/21/16	150				
		8	G	1								7/21/16	230				

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Relinquished By: [Signature] Date: 7/21/16 Time: 5:00pm Received By: [Signature] Date: 7/21/16 Time: 4:50pm

Delivered By: (Circle One) UPS - Bus - Other: 16:15 4:50

Sample Condition: Cool  Intact  Yes  No  Yes  No

CHECKED BY: [Signature]

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #75



August 08, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE DW #10

Enclosed are the results of analyses for samples received by the laboratory on 08/03/16 16:10.

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,

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:	08/03/2016	Sampling Date:	08/03/2016
Reported:	08/08/2016	Sampling Type:	Soil
Project Name:	STATE DW #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ 3' (H601738-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP 1 @ 4' (H601738-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP 2 @ 3' (H601738-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/05/2016	ND	400	100	400	0.00	

**Sample ID: SP 2 @ 4' (H601738-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/05/2016	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

- 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



# CARDINAL 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.  
Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs  
Phone #: 575-397-6388  
Project #:  
Project Name: STATE DW # 10  
Project Location:

P.O. #: \_\_\_\_\_  
Company: OKY  
Attn: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_

State: NM Zip: 88241  
Fax #: 575-397-0397  
Project Owner: OKY  
State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_  
Sampler Name: DOGER HERNANDEZ

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
KL60738	SP103-	G	1			<input checked="" type="checkbox"/>				8-3-16	1030	<input checked="" type="checkbox"/>
	SP203-	G	1			<input checked="" type="checkbox"/>				8-3-16	1105	<input checked="" type="checkbox"/>
	SP203-	G	1			<input checked="" type="checkbox"/>				8-3-16	1145	<input checked="" type="checkbox"/>
	SP203-	G	1			<input checked="" type="checkbox"/>				8-3-16	1008	<input checked="" type="checkbox"/>

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Relinquished By: [Signature] Date: 8-3-16 Time: 4:10

Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) UPS - Bus - Other: 1.8°C TC75

Sample Condition:  Cool  Intact  Yes  No

CHECKED BY: [Signature] (Initials)

REMARKS:

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	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	State DW #010	Facility Type	Well

Surface Owner	State	Mineral Owner		API No.	30-025-29023
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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
J	12	18S	33E					Lea County, NM

Latitude N 32.76109° Longitude W 103.61531°

**NATURE OF RELEASE**

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 7 bbls produced water	Volume Recovered	4 bbls
Source of Release	Corrosion of 3" steel production flow line	Date and Hour of Occurrence	07/13/2016	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-NMOCD		
By Whom?	Kathy@ BBC International, Inc.	Date and Hour	07/14/2016 @ 10:54 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.\*

Corrosion of a 3" steel production flow line caused a release of 3 bbls of oil and 7 bbls of produced water. A vacuum truck recovered 4 bbls of fluid and the line was repaired/replaced.

Describe Area Affected and Cleanup Action Taken.\*

The affected area is approximately 90' x 20' off location on the road. 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:	<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: 7-18-16	Phone: (575) 513-8289		

\* Attach Additional Sheets If Necessary