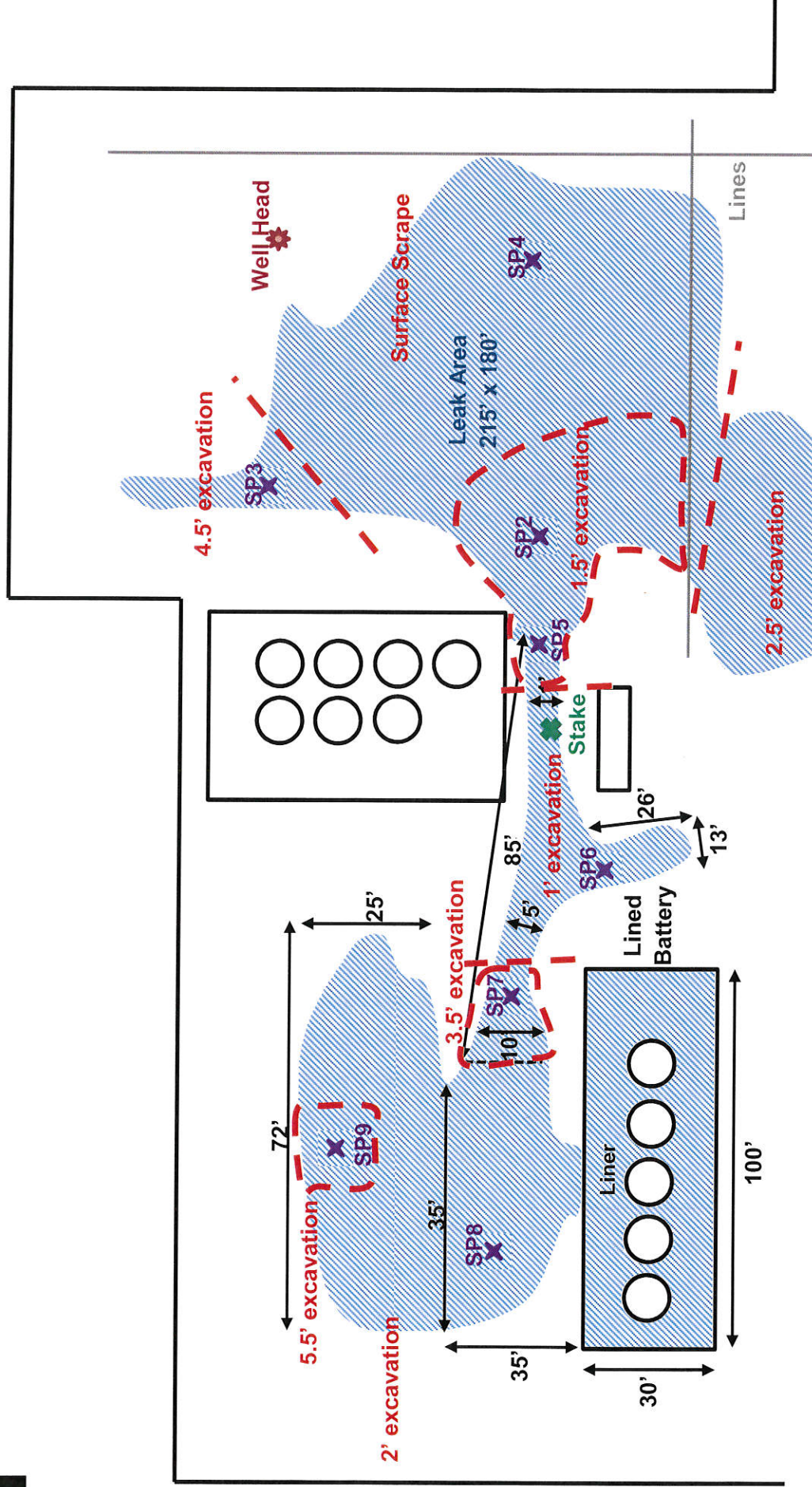




Oxy

Neff Federal #1 & #3 SWD Battery (05/27/2014)



U/L C, Section 25, T22S, R31E
Eddy County, NM
N 32.36779° W 103.73335°

BBC International, Inc.	
Oxy	
Neff Federal #1 & #3 SWD Battery	
Date: 06/18/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2014



Groundwater Plot

Oxy Neff Federal #1 & #3 SWD Battery

County
Eddy

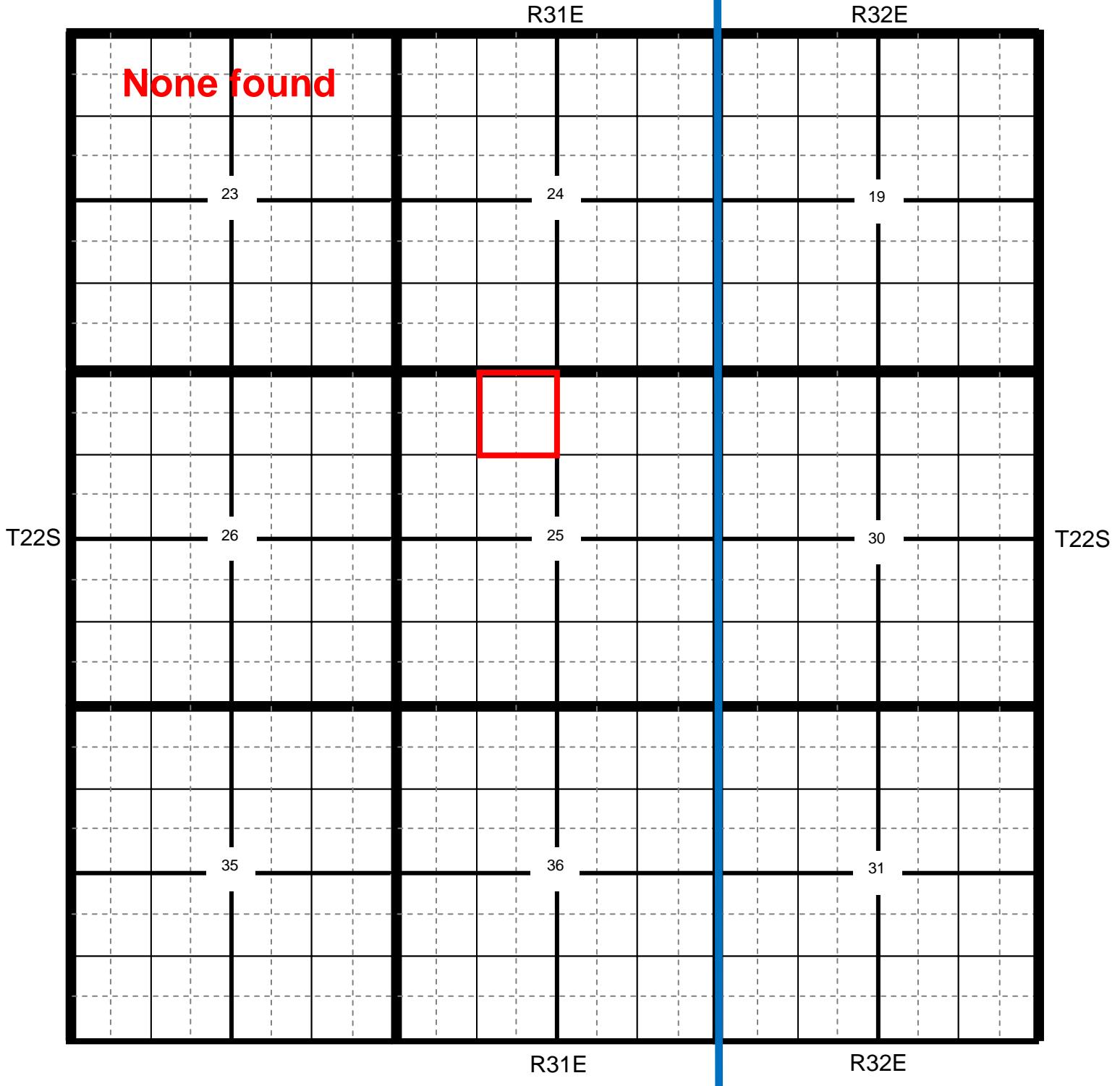
Unit Letter
C

Section
25

Township
22S

Range
31E

Trend Map 175'-200'



Location

OCD

USGS

SEO

All Databases

Oxy Neff Federal #1 & #3 SWD Battery

County Eddy **Unit Letter** C **Section** 25 **Township** 22S **Range** 31E

Trend Map 175'-200'

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

None found

3

4

Laboratory Analytical Results Summary
Neff Federal #1 #3 SWD Battery, (5/27/14 leak)

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'
Analyte	Method	Date	8/27/14	8/27/14	8/27/14	8/27/14	8/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		14200	6000	688	480	16
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	8/27/14	8/27/14	8/27/14	8/27/14	8/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		1720	384	608	544	192
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	8/27/14	8/27/14	8/27/14	8/27/14	8/27/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		3840	7680	1710	432	288
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	8/27/14	8/27/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a
Toluene	BTEX 8021B		n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a
Chloride	SM4500CI-B		304	336
GRO	TPH 8015M		n/a	n/a
DRO	TPH 8015M		n/a	n/a

Laboratory Analytical Results Summary
Neff Federal #1 #3 SWD Battery, (5/27/14 leak)

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	9/3/14	9/3/14
			mg/Kg	mg/Kg
Chloride	SM4500CI-B		1020	32

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 5'
Analyte	Method	Date	9/3/14	9/3/14	9/3/14
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		864	352	<16.0

		Sample	SP7 @ 1'	SP7 @ 3'	SP7 @ 5'	SP7 @ 6'
Analyte	Method	Date	9/3/14	9/3/14	9/3/14	9/3/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1500	1150	688	224

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 5'	SP8 @ 7'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		2960	880	352	320

		Sample	SP9 @ 1'	SP9 @ 3'	SP9 @ 5'	SP9 @ 7'	SP9 @ 8'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		480	1800	2080	592	288

September 11, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NEFF FEDERAL #1 & #3 SWD BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/05/14 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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:	09/05/2014	Sampling Date:	08/27/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 (H402766-01)

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	09/10/2014	ND	1.95	97.6	2.00	10.2	
Toluene*	<0.050	0.050	09/10/2014	ND	1.75	87.7	2.00	10.3	
Ethylbenzene*	<0.050	0.050	09/10/2014	ND	1.60	80.2	2.00	10.7	
Total Xylenes*	<0.150	0.150	09/10/2014	ND	4.85	80.9	6.00	10.8	
Total BTEX	<0.300	0.300	09/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	09/11/2014	ND	400	100	400	3.92	

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	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	<10.0	10.0	09/08/2014	ND	182	90.8	200	10.2	

Surrogate: 1-Chlorooctane 96.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

Sample ID: SP 1 @ 2 (H402766-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	09/11/2014	ND	400	100	400	3.92	

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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:	09/05/2014	Sampling Date:	08/27/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 3 (H402766-03)

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	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 5 (H402766-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 1 @ 6 (H402766-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 1 (H402766-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 2 (H402766-07)

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	09/11/2014	ND	400	100	400	3.92	

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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:	09/05/2014	Sampling Date:	08/27/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 3 (H402766-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	09/11/2014	ND	400	100	400	3.92		

Sample ID: SP 2 @ 5 (H402766-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 6 (H402766-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/11/2014	ND	400	100	400	3.92	

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Analytical Results For:

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

Received:	09/05/2014	Sampling Date:	08/27/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1 (H402766-11)

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	09/10/2014	ND	1.95	97.6	2.00	10.2		
Toluene*	<0.050	0.050	09/10/2014	ND	1.75	87.7	2.00	10.3		
Ethylbenzene*	<0.050	0.050	09/10/2014	ND	1.60	80.2	2.00	10.7		
Total Xylenes*	<0.150	0.150	09/10/2014	ND	4.85	80.9	6.00	10.8		
Total BTX	<0.300	0.300	09/10/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/11/2014	ND	400	100	400	3.92	

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	09/08/2014	ND	157	78.7	200	3.06	
DRO >C10-C28	<10.0	10.0	09/08/2014	ND	182	90.8	200	10.2	

Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Sample ID: SP 3 @ 3 (H402766-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7680	16.0	09/11/2014	ND	400	100	400	3.92	

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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:	09/05/2014	Sampling Date:	08/27/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 4 (H402766-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 5 (H402766-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 6 (H402766-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 4 @ 1 (H402766-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/11/2014	ND	400	100	400	3.92	

Sample ID: SP 4 @ 2 (H402766-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/11/2014	ND	400	100	400	3.92	

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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



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				Attn:									
Phone #: 575-397-6388				State: NM Zip: 88241									
Fax #: 575-397-0397				Address:									
Project #:				City: <i>Some</i>									
Project Name: <i>MT #14 #3 SWD</i>				State: Zip:									
Project Location: <i>MT Ranch</i>				Phone #:									
Sampler Name: <i>MT Ranch</i>				Fax #:									
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
				GROUNDWATER				WASTEWATER					
				SOIL				OIL					
				SLUDGE				OTHER:					
				ACID/BASE:				ICE / COOL					
				OTHER:				DATE		TIME			
<i>4402166</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>8:17</i>		<i>10:12</i>		<i>X</i>	
<i>2</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>10:30</i>		<i>10:51</i>		<i>X</i>	
<i>3</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>11:37</i>		<i>11:45</i>		<i>X</i>	
<i>4</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>11:49</i>		<i>12:00</i>		<i>X</i>	
<i>5</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>12:09</i>		<i>12:49</i>		<i>X</i>	
<i>6</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>		<i>12:55</i>		<i>13:22</i>		<i>X</i>	
<i>7</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>8</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>9</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>10</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>11</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>12</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>13</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>14</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>15</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>16</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>17</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>18</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>19</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>20</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>21</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>22</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>23</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>24</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>25</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>26</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>27</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>28</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>29</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>30</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>31</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>32</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>33</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>34</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>35</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>36</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>37</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>38</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>39</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>40</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>41</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>42</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>43</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>44</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>45</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>46</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>47</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>48</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>49</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>50</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>51</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>52</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>53</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>54</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>55</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>56</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>57</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>58</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>59</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>60</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>61</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>62</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>63</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>64</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>65</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>66</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>67</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>68</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>69</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>70</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>71</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>72</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>73</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>74</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>75</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>76</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>77</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>78</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>79</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>80</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>81</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>82</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>83</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>84</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>85</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>86</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>87</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>88</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>89</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>90</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>91</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>92</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>93</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>94</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>95</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>96</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>97</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>98</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>99</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							
<i>100</i>		<i>Sp166</i>		<i>X</i>		<i>X</i>							

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Relinquished By: *[Signature]* Date: *4-14* Time: *3:00* Received By: *[Signature]* Date: *4-14* Time: *3:00*

Delivered By: *[Signature]* Date: *4-15* Time: *4:15* Received By: *[Signature]* Date: *4-15* Time: *4:15*

Sampler - UPS - Bus - Other: *4.70*

Sample Condition: ☒ Cool ☒ Intact ☒ Yes ☒ No

CHECKED BY: *[Signature]*

REMARKS: *TPH BTEX CL-*

Phone Result: ☐ Yes ☐ No Add'l Phone #: *#54*

Fax Result: ☐ Yes ☐ No Add'l Fax #: *#54*



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

CHAIN-OF-CUSTODY AND ANALYSIS RESULTS

2/18

Page 9 of 9



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

September 12, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NEFF FEDERAL #1 & #3 SWD BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/08/14 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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:	09/08/2014	Sampling Date:	09/03/2014
Reported:	09/12/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1 (H402786-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	09/11/2014	ND	416	104	400	3.92	

Sample ID: SP 5 @ 2 (H402786-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/11/2014	ND	416	104	400	3.92	

Sample ID: SP 6 @ 1 (H402786-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	09/11/2014	ND	416	104	400	3.92	

Sample ID: SP 6 @ 3 (H402786-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/11/2014	ND	416	104	400	3.92	

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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:	09/08/2014	Sampling Date:	09/03/2014
Reported:	09/12/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 5 (H402786-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2014	ND	416	104	400	3.92		

Sample ID: SP 7 @ 1 (H402786-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 7 @ 3 (H402786-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 7 @ 5 (H402786-08)

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	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 7 @ 6 (H402786-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/11/2014	ND	400	100	400	0.00	

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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:	09/08/2014	Sampling Date:	09/05/2014
Reported:	09/12/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 8 @ 1 (H402786-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	09/11/2014	ND	400	100	400	0.00		

Sample ID: SP 8 @ 3 (H402786-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 8 @ 5 (H402786-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 8 @ 7 (H402786-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 9 @ 1 (H402786-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/11/2014	ND	400	100	400	0.00	

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Analytical Results For:

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

Received:	09/08/2014	Sampling Date:	09/05/2014
Reported:	09/12/2014	Sampling Type:	Soil
Project Name:	NEFF FEDERAL #1 & #3 SWD BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 9 @ 3 (H402786-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	09/11/2014	ND	400	100	400	0.00		

Sample ID: SP 9 @ 5 (H402786-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 9 @ 7 (H402786-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/11/2014	ND	400	100	400	0.00	

Sample ID: SP 9 @ 8 (H402786-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/11/2014	ND	400	100	400	0.00	

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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



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

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* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/2

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																								
Project Manager: Cliff Brunson		P.O. #:																										
Address: P.O. Box 805		Company:																										
City: Hobbs		Attn:																										
Phone #: 575-397-6388		Address:																										
Fax #: 575-397-0397		City:																										
Project #:		State:																										
Project Name: <i>W44 1 + 3 S&D (5-27-14)</i>		Zip:																										
Project Location: <i>M. 115 Pkwy</i>		Phone #:																										
Sampler Name: <i>Jeff Bruncles</i>		Fax #:																										
FOR LAB USE ONLY																												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER		WASTEWATER		MATRIX		PRESERV		SAMPLING																
<i>H402766</i>	<i>SP803</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>9-5</i>	<i>959</i>	<i>X</i>												
<i>11</i>	<i>5</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1011</i>	<i>1011</i>	<i>X</i>												
<i>12</i>	<i>7</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1030</i>	<i>1030</i>	<i>X</i>												
<i>13</i>	<i>1</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1041</i>	<i>1041</i>	<i>X</i>												
<i>14</i>	<i>3</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1111</i>	<i>1111</i>	<i>X</i>												
<i>15</i>	<i>5</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1141</i>	<i>1141</i>	<i>X</i>												
<i>16</i>	<i>7</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1200</i>	<i>1200</i>	<i>X</i>												
<i>17</i>	<i>8</i>	<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1250</i>	<i>1250</i>	<i>X</i>												
<i>18</i>		<i>E-1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>															
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Relinquished By: <i>[Signature]</i>		Date: <i>9-8-14</i>		Received By: <i>[Signature]</i>		Date: <i>9/8/14</i>		Time: <i>4:35</i>		Sample Condition: <i>Intact</i>		CHECKED BY: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:										
Relinquished By: <i>[Signature]</i>		Date: <i>9/8/14</i>		Received By: <i>[Signature]</i>		Date: <i>9/8/14</i>		Time: <i>4:35</i>		Sample Condition: <i>Intact</i>		CHECKED BY: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:										
Delivered By: (Circle One) <i>UPS</i>		Time: <i>4:35</i>		Time: <i>4:35</i>		Time: <i>4:35</i>		Time: <i>4:35</i>		Time: <i>4:35</i>		Time: <i>4:35</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:										
REMARKS: <i>#54</i>																												

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Neff Federal #1 and #3 SWD Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	API No.30-015-28281(nearest well)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	25	22S	31E					Eddy County, NM

Latitude N 32.36779° Longitude W 103.73335°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	650 bbls	Volume Recovered	550 bbls
Source of Release	Bad electrical storms caused line fuse on power pole to trip and trigger the tanks to run over from power loss to battery	Date and Hour of Occurrence	05/27/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, NMOCD and Jennifer VanCuren, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	05/27/2014 @ 2:35 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.*

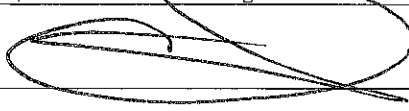
Describe Cause of Problem and Remedial Action Taken.*

Bad electrical storms caused the line fuse on the power pole to trip and trigger the tanks to run over spilling 650 bbls of produced water onto the ground. A vacuum truck recovered 550 bbls of produced water and the power to the pole was restored.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 200' x 180' east of the battery and west of the well head, but still on 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: 	OIL CONSERVATION DIVISION		
Printed Name: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>6-23-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary