

Closure Report

Site Description

Site Name:	Neff Federal #1 & #3 SWD Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 25, T22S, R31E
County:	Eddy County, NM
GPS Coordinates:	N 32.36779° W 103.73335°

Release Data

Date of Release:	05/27/2014
Type of Release:	Produced water
Source of Release:	Tank Overflow due to power loss
Volume of Release:	650 bbls
Volume Recovered:	550 bbls

Remediation Specifications

Remediation Parameters:	Excavate 2.5' around SP1, 1.5' around SP2 & SP5, 4.5' around SP3, surface scrape around SP4, 1' around SP6, 3.5' around SP7, 2' around SP8, and 5.5' around SP9. Obtain confirmation samples in the areas of SP1, SP2, SP3, SP7, SP8, and SP9. Then, backfill the site with clean soil.	
Remediation Activities:	12/15/2014 to 01/16/2015	
Plan Sent to OCD:	10/29/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	11/04/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	10/29/2014	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	10/30/2014	Email from Sol Hughes to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 06/23/2014
Final C-141	Signed 02/03/2015
Site Diagram	June 2014
Groundwater Plot	175'-200'
TOPO Maps	June 2014
Lab Summary	08/27/2014, 09/03/2014-09/05/2014, and 01/18/2015
Lab Analysis	08/27/2014, 09/03/2014-09/05/2014, and 01/18/2015
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

03/02/2015

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.*

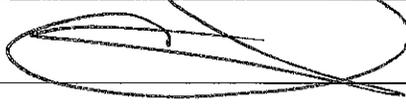
Describe Cause of Problem and Remedial Action Taken.*

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
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.

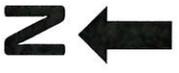
Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 200' x 180' east of the battery and west of the well head, but still on location. Remediation was completed in accordance with the remediation plan approved by Mike Bratcher of NMOCD via email on 11/04/2015 and approved by Sol Hughes of the BLM via email on 10/30/2015.

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.

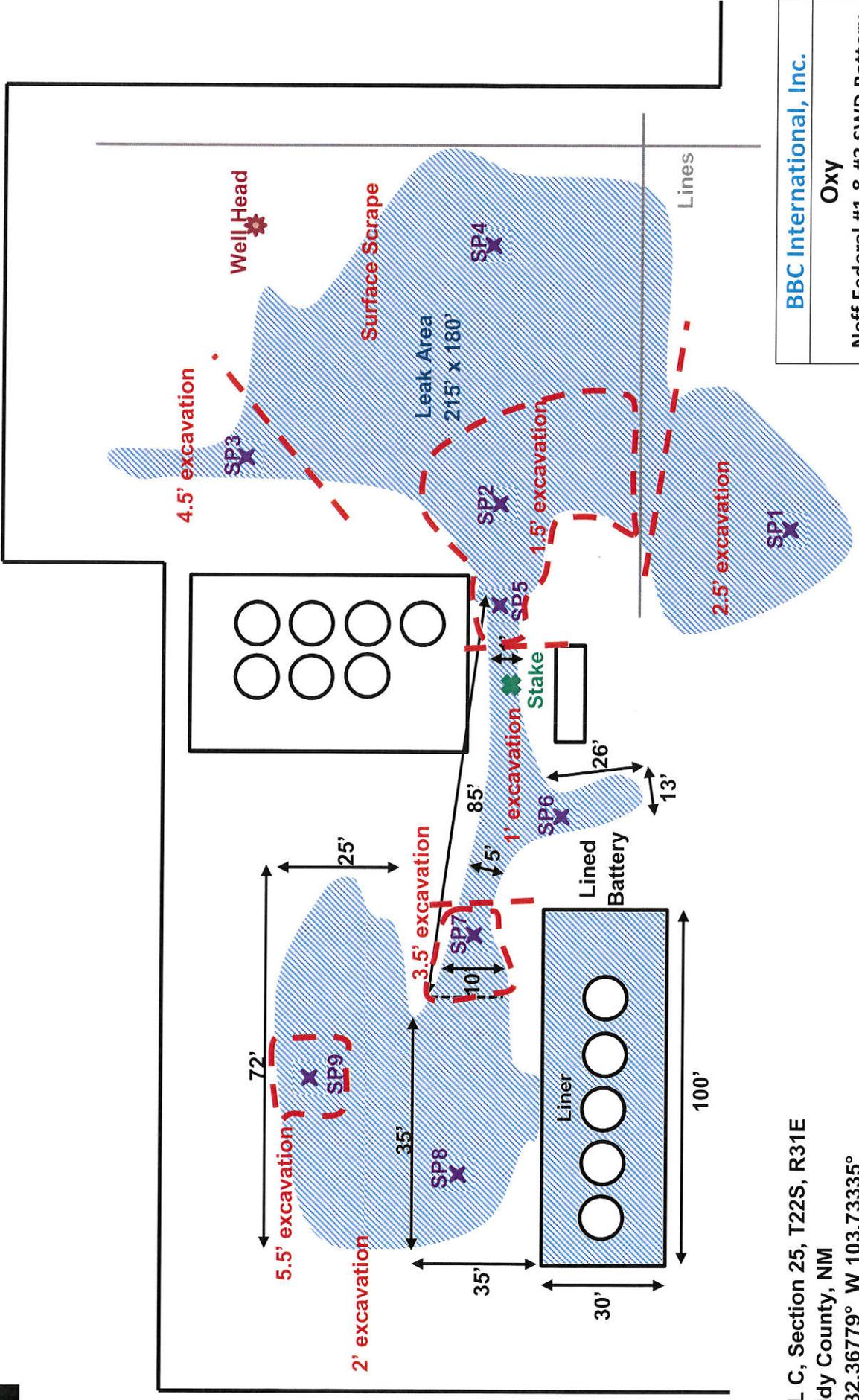
Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Christopher Jones	Approved by Environmental Specialist:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 02/03/2015	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary



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

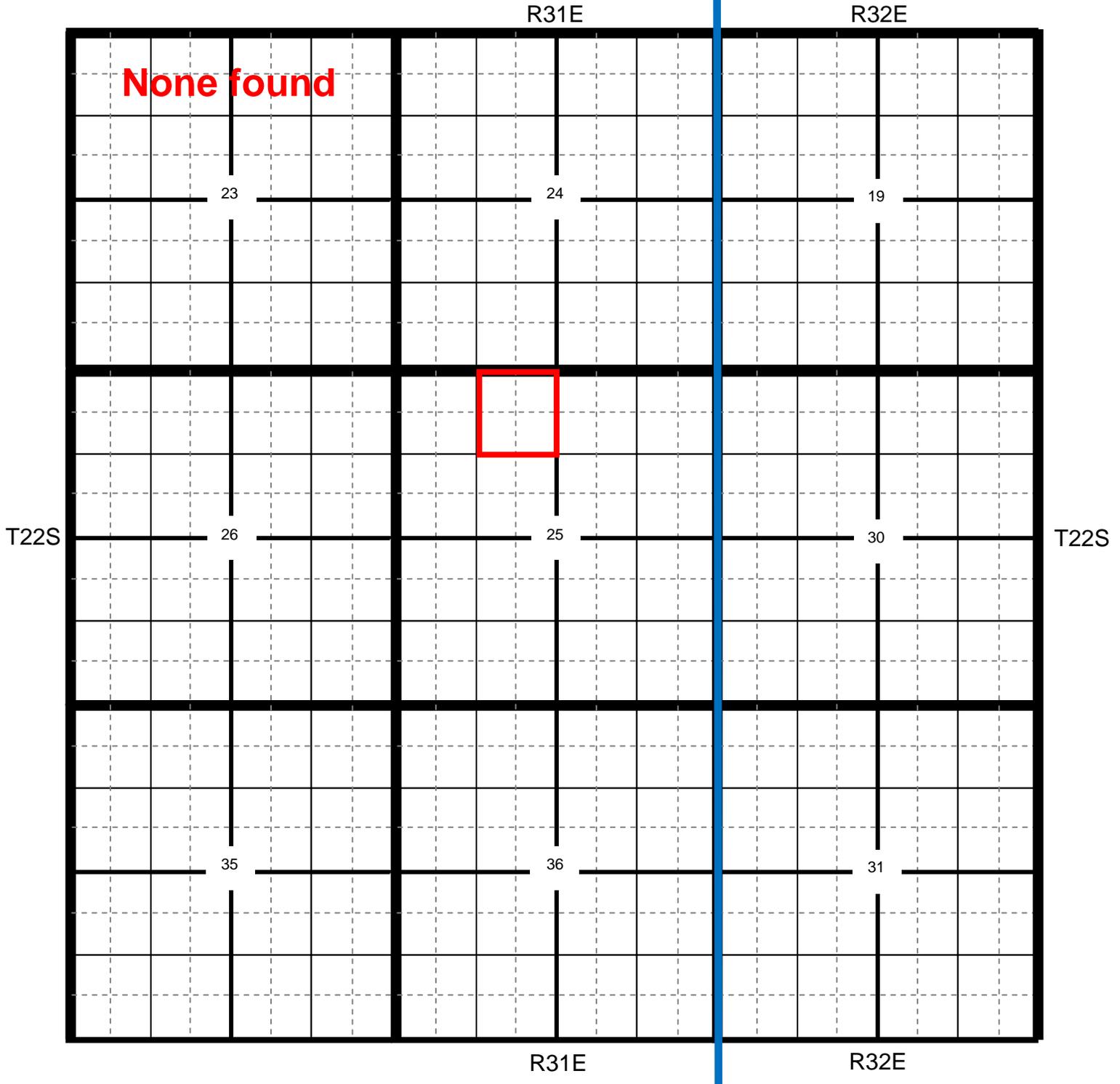
Unit Letter
C

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

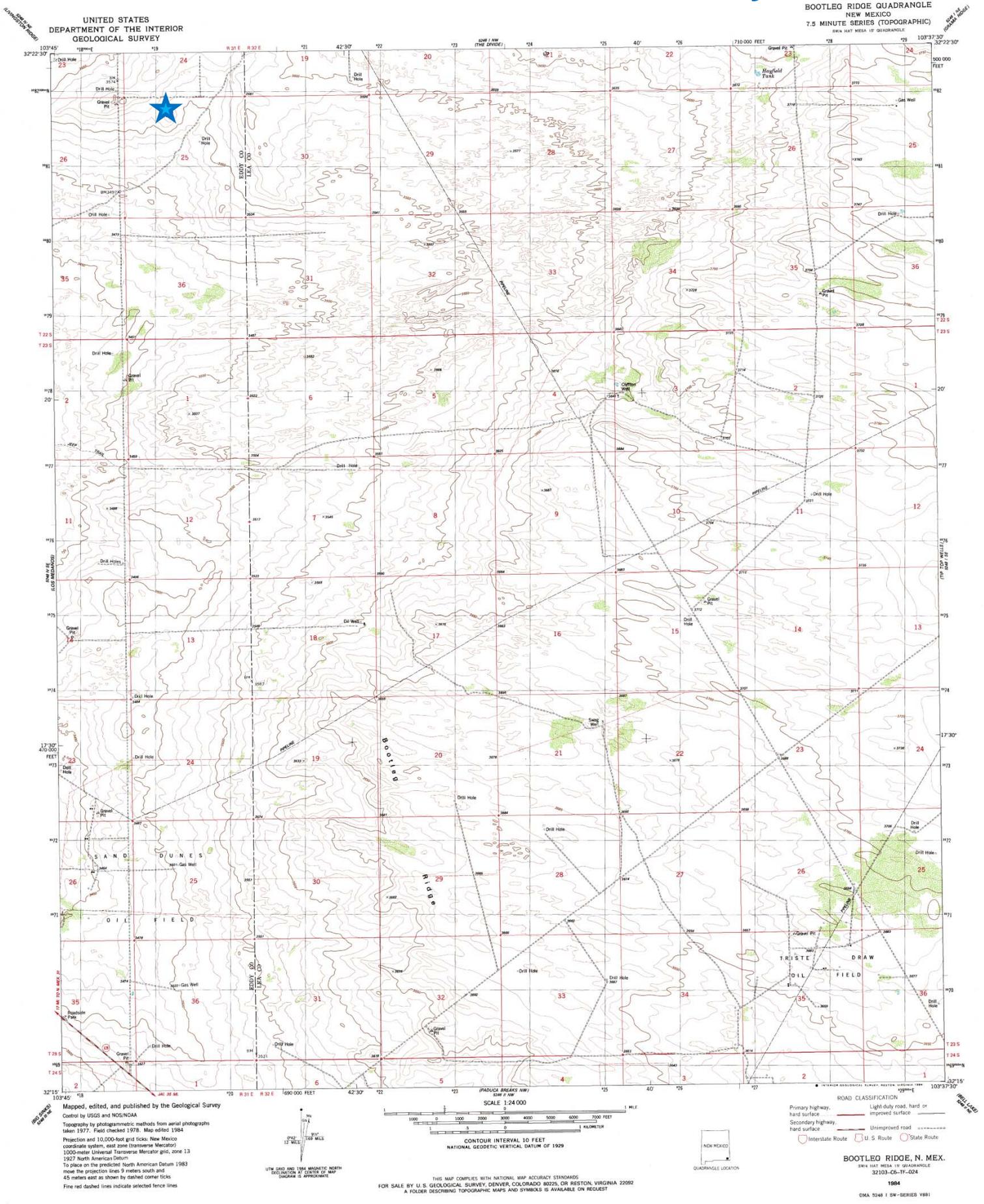
None found

3

4

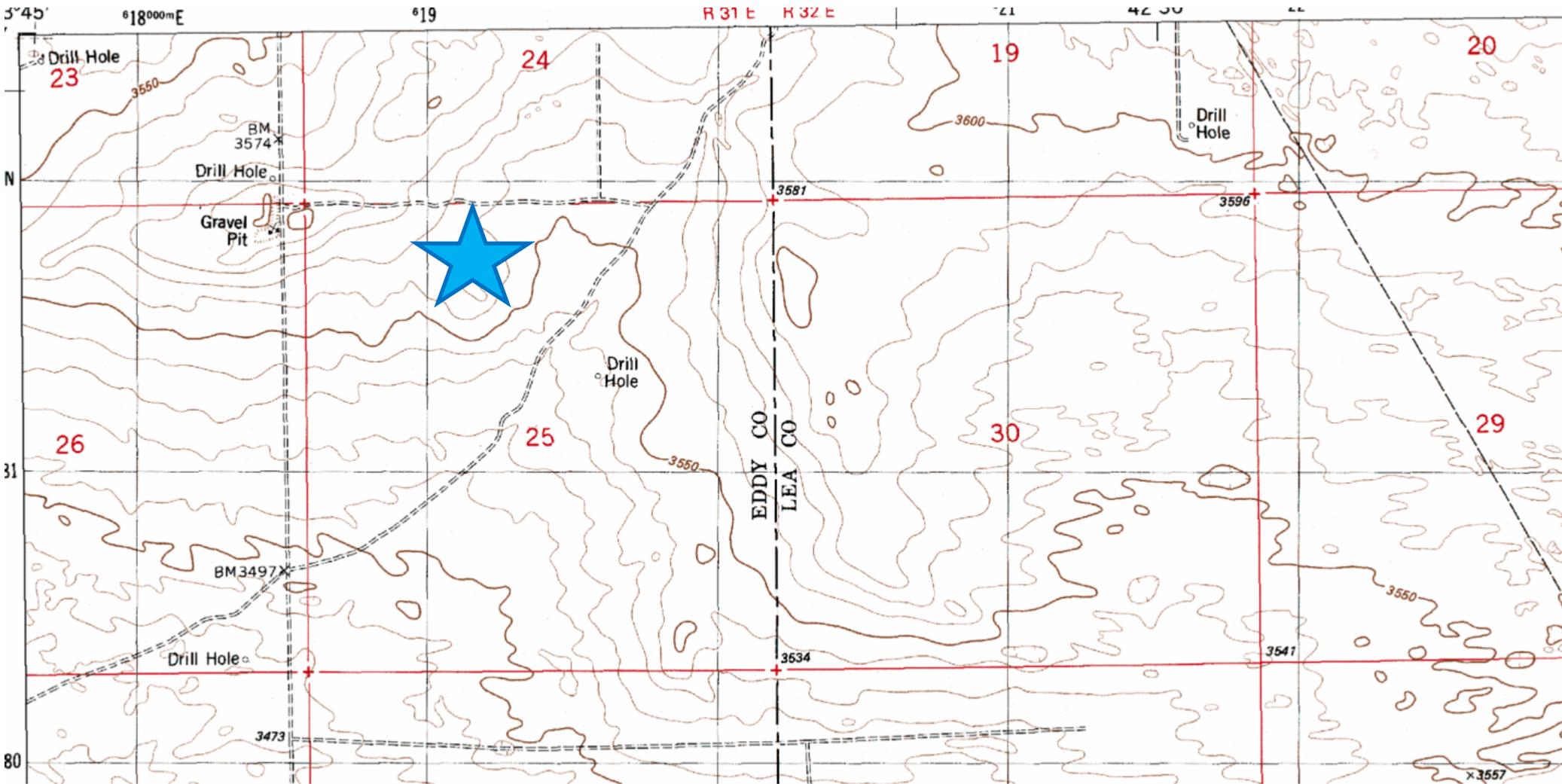
Oxy

Neff Federal #1 & #3 SWD Btry



Oxy

Neff Federal #1 & #3 SWD Battery



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	SM4500Cl-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	SM4500Cl-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	SM4500Cl-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	SM4500Cl-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	SM4500Cl-B		480	1800	2080	592	288

Laboratory Analytical Results Summary
Neff Federal #1 #3 SWD Battery

Confirmation		Sample	SP1 @ 2.5'	SP2 @ 1.5'	SP3 @ 4.5'	SP7 @ 3.5'	SP8 @ 2'	SP9 @ 5.5'
Analyte	Method	Date	1/8/15	1/8/15	1/8/15	1/8/15	1/8/15	1/8/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		64	48	64	128	64	112



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,

A handwritten signature in black ink that reads "Celey D. Keene".

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, SM4500CI-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, SM4500CI-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	

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:	09/05/2014	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, SM4500CI-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, SM4500CI-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, SM4500CI-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	

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:	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, SM4500CI-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	

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:	09/05/2014	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)

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, 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, SM4500CI-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, SM4500CI-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, SM4500CI-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



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

Project #: Project Owner: *OHY* City: *Somme*

Project Name: *WFF #1 + #3 SWD* State: Zip:

Project Location: *Mills Ranch* Phone #:

Sampler Name: *Cliff Brunson* Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	TRH	BTX	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:							
<i>4402166</i>																
	<i>SP102</i>			X	X	X	X	X	X	X						
	<i>P3</i>			X	X	X	X	X	X	X						
	<i>P5</i>			X	X	X	X	X	X	X						
	<i>P6</i>			X	X	X	X	X	X	X						
	<i>SP202</i>			X	X	X	X	X	X	X						
	<i>P2</i>			X	X	X	X	X	X	X						
	<i>P3</i>			X	X	X	X	X	X	X						
	<i>P5</i>			X	X	X	X	X	X	X						
	<i>P6</i>			X	X	X	X	X	X	X						

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Relinquished By: *Cliff Brunson* Date: *4-14* Received By: *Jennifer Gilly*

Relinquished By: *Cliff Brunson* Date: *9-5-14* Received By: *Jodi Benson*

Delivered By: (Circle One) *Jennifer Gilly* Date: *9-5-14* Time: *9:15*

Sampler - UPS - Bus - Other: *4.70* Sample Condition: Cool Intact

Checked By: *Jodi Benson* (Initials) *JTB*

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

#54



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name: **BBC International, Inc.** P.O. #: **88241** ANALYSIS REQUEST

Project Manager: **Cliff Brunson** Company: **BBB**

Address: **P. O. Box 805** Attn: **BBB**

City: **Hobbs** State: **NM** Zip: **88241**

Phone #: **575-397-6388** Fax #: **575-397-0397** Address: **BBB**

Project #: **BBB** Project Owner: **BBB** City: **BBB** State: **BBB** Zip: **BBB**

Project Name: **BBB #14 #3 SUBS** State: **BBB** Zip: **BBB**

Project Location: **BBB Bank** Phone #: **BBB**

Sampler Name: **BBB Daniels** Fax #: **BBB**

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:			
11	SP301											TPH
12	SP303											BTEX
13	SP304											CI-
14	SP305											
15	SP306											
16	SP307											
17	SP308											

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Relinquished By: **[Signature]** Date: **4-14** Received By: **[Signature]** Date: **5-14**

Relinquished By: **[Signature]** Date: **5-14** Received By: **[Signature]** Date: **9-15**

Delivered By: (Circle One) **UPS** - **Bus** - Other: **4.70c**

Sample Condition: Intact Cool Yes No

CHECKED BY: **[Signature]**

REMARKS: **[Blank]**

Phone Result: Yes No Add'l Phone #: **[Blank]**

Fax Result: Yes No Add'l Fax #: **[Blank]**

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 **#54**



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".

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	

Cardinal Laboratories

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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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	

Cardinal Laboratories

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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, SM4500CI-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, 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	0.00	

Cardinal Laboratories

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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 9 @ 3 (H402786-15)

Chloride, SM4500CI-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, SM4500CI-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, 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	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



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 State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: DNY
 Project Name: Moff 1+3 SWD (5-27-14)
 Project Location: Mills Ranch
 Sampler Name: JEFF BRUNSON
 P.O. #: Company: Attn: Address: City: State: Zip: JEFF
 Phone #: Fax #: PRESERV: OTHER: SAMPLING

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	CL-
H40786	SP501	(G)	1	SOIL	X	X	9-3	1015	X
	SP603	(G)	1	SOIL	X	X		1053	X
	SP701	(G)	1	SOIL	X	X		1111	X
	SP801	(G)	1	SOIL	X	X		1149	X
		(G)	1	SOIL	X	X		1255	X
		(G)	1	SOIL	X	X		141	X
		(G)	1	SOIL	X	X		239	X
		(G)	1	SOIL	X	X		333	X
		(G)	1	SOIL	X	X		351	X
		(G)	1	SOIL	X	X		044	X

Relinquished By: [Signature] Date: 9-8-14 Received By: [Signature] Date: 9-8-14
 Delivered By: (Circle One) [Signature] Time: 4:55
 Sampler - UPS - Bus - Other: [Signature] Time: 2:00
 CHECKED BY: [Signature] (Initials)
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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

#54

1/2



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/2

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 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: West 1 + 3 Sand (5-27-14)
 Project Location: Mills Park Dr. 125
 Sampler Name: Jeff Bruns
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	X
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H402766	SP803	E	1			X				9-5	959	X
11		E	1			X					1011	X
12		E	1			X					1030	X
13		E	1			X					1041	X
14	SP903	E	1			X					1111	X
15		E	1			X					1141	X
16		E	1			X					1200	X
17		E	1			X					1250	X
18		E	1			X						

REMARKS: CL-

Relinquished By: [Signature] Date: 9-8-14
 Received By: [Signature] Date: 9/8/14
 Delivered By: (Circle One) [Signature] Time: 4:35
 Sampler - UPS - Bus - Other: [Signature]

Sample Condition: Cool Intact
 Dries Yes No Yes No

Checked By: [Signature]

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

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

#54

January 09, 2015

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 01/08/15 16:50.

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:	01/08/2015	Sampling Date:	01/08/2015
Reported:	01/09/2015	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 @ 2.5 (H500060-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2015	ND	400	100	400	0.00	

Sample ID: SP 2 @ 1.5 (H500060-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/09/2015	ND	400	100	400	0.00	

Sample ID: SP 3 @ 4.5 (H500060-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2015	ND	400	100	400	0.00	

Sample ID: SP 7 @ 3.5 (H500060-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/09/2015	ND	400	100	400	0.00	

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:	01/08/2015	Sampling Date:	01/08/2015
Reported:	01/09/2015	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 @ 2 (H500060-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2015	ND	400	100	400	0.00	

Sample ID: SP 9 @ 5.5 (H500060-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/09/2015	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



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 State: NM Zip: 88241 Attn:
 City: Hobbs Address:
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner:
 Project Name:
 Project Location:
 Sampler Name:
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
A5000100	SP102.5		1			X				1.8	111	X
	SP201.5		1			X					115	X
	SP304.5		1			X					120	X
	SP303.5		1			X					125	X
	SP802		1			X					130	X
	SP905.5		1			X					135	X

Received By:
 Date: 7-0-15
 Time: 4:50
 Rejected By:
 Date:
 Time:
 Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:
 Sample Condition:
 Cool Intact
 Yes No
 Checked By:
 Initials:
 Phone Result:
 Fax Result:
 Add'l Phone #:
 Add'l Fax #:
 REMARKS:
 RUSH!!

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, November 04, 2014 12:52 PM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD
Subject: RE: OXY - Neff Federal #1 & #3 SWD Battery - Remediation Plan

RE: OXY USA * Neff Fed 3 (1&3 Btry) * 30-015-28281 * D-25-22s-31e * Eddy County, NM
NMOCD Tracking Number: 2RP-2359 * Date of release: 5/27/14

Cliff,

Your proposal for remediation of the above referenced release is approved. Federal sites will require like approval by BLM.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, October 29, 2014 7:39 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY - Neff Federal #1 & #3 SWD Battery - Remediation Plan

Mike,

This e-mail is to confirm our conversation on October 28, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. If you will review the revised diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations per our discussions. In the area around SP9, field titrations will determine the lateral extent of the excavation. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Thursday, October 30, 2014 11:27 AM
To: Cliff P. Brunson
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: OXY - Neff Federal #1 & #3 SWD Battery - Remediation Plan

Cliff,
This plan is approved with the following amendment:

After excavation, confirmation samples need to be taken in areas SP1-SP3 and SP7-SP9. These samples should show a maximum of 100ppm chlorides. If these levels are not reached, further excavation will be required.

Bests,
Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Wed, Oct 29, 2014 at 4:47 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Sol,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD.

If you will review the diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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