

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

Chevron – Glorietta Battery North H Pump(09/24/2016)

REMEDIATION PLAN

Chevron will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 1.5 feet. The entire site will then be backfilled with clean soil.

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

APPROVED By Olivia Yu at 10:24 am, Mar 02, 2017

NMOCD approves the delineation report for 1RP-4465 with this condition: Excavate to 1.75 ft. bgs, where the chloride levels are clearly at permissible levels.





Section Quarters

Chevron Glorietta Battery North H Pump



Laboratory Analytical Results Summary Glorietta Battery North H Pump

		Sample	SP1 @ SURFACE	SP1 @ 1.5'	SP1 @ 1.75'	SP1 @ 2'
Analyte	Method	Date	10/25/16	10/25/16	11/14/16	11//14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		12400	2160	48	48

		Sample	SP2 @ SURFACE	SP2 @ 1.5'	SP2 @ 1.75'	SP2 @ 2'
Analyte	Method	Date	10/25/16	10/25/16	11/14/16	11//14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		3400	1480	48	64

		Sample	SP3 @ SURFACE	SP3 @ 1.5'	SP3 @ 1.75'	SP3 @ 2'
Analyte	Method	Date	10/25/16	10/25/16	11/14/16	11//14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		6800	1260	96	80

		Sample	SP4 @ SURFACE	SP4 @ 1.5'	SP4 @ 1.75'	SP4 @ 2'
Analyte	Method	Date	10/25/16	10/25/16	11/14/16	11//14/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		22400	1570	80	48



November 02, 2016

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GLORIETTA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/27/16 16:00.

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

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/27/2016	Sampling Date:	10/25/2016
Reported:	11/02/2016	Sampling Type:	Soil
Project Name:	GLORIETTA BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H602417-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	10/31/2016	ND	400	100	400	0.00	

Sample ID: SP 1 @ 1.5' (H602417-02)

Chloride, SM4500CI-B	mg/kg Analyzed			i By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	10/31/2016	ND	400	100	400	0.00		

Sample ID: SP 2 @ SURFACE (H602417-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	11/01/2016	ND	416	104	400	0.00	QM-07

Sample ID: SP 2 @ 1.5' (H602417-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	11/01/2016	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/27/2016	Sampling Date:	10/25/2016
Reported:	11/02/2016	Sampling Type:	Soil
Project Name:	GLORIETTA BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H602417-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	11/01/2016	ND	416	104	400	0.00	

Sample ID: SP 3 @ 1.5' (H602417-06)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	11/01/2016	ND	416	104	400	0.00	

Sample ID: SP 4 @ SURFACE (H602417-07)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22400	16.0	11/01/2016	ND	416	104	400	0.00	

Sample ID: SP 4 @ 1.5' (H602417-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	11/01/2016	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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 whatscever 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 those of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor 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.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 5



November 17, 2016

Cliff Brunson BBC International, Inc. P.O. Box 805

Hobbs, NM 88241

RE: GLORIETTA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/16/16 8:10.

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/ga/lab_accred_certif.html.

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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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/16/2016	Sampling Date:	11/14/2016
Reported:	11/17/2016	Sampling Type:	Soil
Project Name:	GLORIETTA BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 1.75' (H602564-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 1 @ 2' (H602564-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 2 @ 1.75' (H602564-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 2 @ 2' (H602564-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/16/2016	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/16/2016	Sampling Date:	11/14/2016
Reported:	11/17/2016	Sampling Type:	Soil
Project Name:	GLORIETTA BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 1.75' (H602564-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 3 @ 2' (H602564-06)

Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 4 @ 1.75' (H602564-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/16/2016	ND	416	104	400	0.00	

Sample ID: SP 4 @ 2' (H602564-08)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/16/2016	ND	416	104	400	0.00	

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Celeg D. Keine

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

1505) 202-2226 EAY 1505) 202-2476		
Company Name: BBC International, Inc.	el til	ANALYSIS REQUEST
Project Manager: Cliff Brunson		_
Address: P.O. Box 805	Company:	
city: Hobbs State: NM Zip:	88241 Attn:	
5-397-6388 F	-0397 Address:	
Project #: Project Owner:	hevian city:	
Project Name: GLORIETTA BATTERY	State: Zip:	
Project Location: LEA COUNTY, NM	Phone #:	
Sampler Name: PRICE BRUNSON	Fax #:	
	MATRIX PRESERV. SAMPLING	
R (C)OMF	WATER ATER E:	
Lab I.D. Sample I.D.	# CONTAIN GROUNDW WASTEWA' SOIL OIL SLUDGE OTHER : ACID/BASE ICE / COOL OTHER : DATE	
-	~	8:30 AM 🗸
	I √ 11/14/16	8:45 AM 🖌
3 SP2 @ 1.75' 6	1 1/14/16	9:10 AM 🖌
4 SP2 @ 2'	V 11/14/16	9:45 AM 🗸
5 SP3 @ 1.75' 6	× 11/14/16	10:10 AM
6 SP3 @ 2'	1 V 11/14/16	10:50 AM
7 SP4 @ 1.75' 6	1 V 11/14/16	11:20 AM
SP4 @ 2'	1 11/14/16	11:40 AM
KAP IIISIIIO		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim a probase All claims including these for nonlinears and any other cause undersource hall be deemed to	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 the client for the portioners and any other cause undercome shall be formed universe model is unified and reserved by the client for the	by the client for the normalisis of the nonline to
service. In no event shall Cardinab table for incidental or concerns miasoversi sinu to ucerinet wave unives induced in writing and tecevery of valunia writin 30 uags antic complexitori is the applicatore service. In no event shall Cardinab table for incidental or concerns, sincluding without limitation, business interruptions, loss of use, or loss of profits incurred by telent, its substairies, affiliates or subcessors arising out of or readed to the performance of services hereunder by Cardinab reparatoless of whether such cardin is based upon any of the above stated by cardinab reparates of whether such cardina based upon any of the above stated to the performance of services hereunder by Cardinab reparates software such cardina's based upon any of the above stated by the resons or otherwise.	incu warveu uniess made in winnig and received by calonial winni ou days are hout limitation, business interruptions, loss of use, or toss of profits incurred by co nal, regardless of whether such claim is based upon any of the above stated rec	contigencum or time applicatione lent, its subsidiaries, sons or otherwise
Time: Date:11/15/16	Opport Leg. Colton	Phone Result: Ves No Add'I Phone #: Fax Result: Ves No Add'I Fax #:
Time:/; / U Date: //-//	Genniger Scher	
an Blowing	4	
-	Cool Intact (Initials)	
_		
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	written changes to 505-393-2476	

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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

	OPERATOR	🛛 Initial Report	\boxtimes	Final Report
Name of Company Chevron USA Inc.	Contact Josepha DeLeon	·····		
Address 6301 Deauville Blvd., Midland, TX 79706	Telephone No. wk: 575-263-042	4 cell: 432-425-1528		
Facility Name Vacuum Glorietta West Unit Battery	Facility Type: Battery			

Surface Owner NA	Mineral Owner	State of New Mexico	API No. See attached

LOCATION OF RELEASE

B 1 18S 34E Lea	Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	В	1		34E					Lea

Latitude 32.796051 Longitude; -103.514502

NATURE OF RELEASE

Type of Release Spill	Volume of Release: 14 BW	Volume Recovered: 7 BW					
Source of Release Suction hose	Date and Hour of Occurrence	Date and Hour of Discovery					
	09/24/2016 01:30 PM	09/24/2016 01:30 PM					
Was Immediate Notice Given?	If YES, To Whom?						
🛛 Yes 🔲 No 🔲 Not Required	Voicemail: Maxie Brown						
By Whom? Josepha DeLeon	Date and Hour: 09/24/2016 05:00	P.M.					
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.					
🗋 Yes 🛛 No							
If a Watercourse was Impacted, Describe Fully.*							
······································							
N/A							
Describe Cause of Problem and Remedial Action Taken.*							
Suction hase on H-nump split releasing 14 harrals produced water in har	nad containment						
Suction hose on H-pump split, releasing 14 barrels produced water in bermed containment.							
Describe Area Affected and Cleanup Action Taken.*		· · · · · · · · · · · · · · · · · · ·					
Shut in well. Vacuum truck picked up standing water, recovered 7 barrel	s. Repaired hose.						
I hereby certify that the information given above is true and complete to the populations all expertance are required to true and for file entries and the second s	the best of my knowledge and understa	nd that pursuant to NMOCD rules and					
regulations all operators are required to report and/or file certain release n public health or the environment. The acceptance of a C-141 report by th	outications and perform corrective act	tions for releases which may endanger					
should their operations have failed to adequately investigate and remediat	e contamination that nose a threat to g	round water surface water human health					
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of respons	ibility for compliance with any other					
federal, state, or local laws and/or regulations.							
	OIL CONSERV	ATION DIVISION					
		111101, 21, 28,011					
O.D. Yam							
Julisen	Approved by Environmental Specialis	t:					
Signature: V							
Printed Name: Josepha DeLeon							
Timted Name. Josepha Decieon							
Title: HES Compliance Support - Environmental	Approval Date:	Expiration Date:					
	ppro ini buto.	Expiration Date.					
E-mail Address: jdxd@chevron.com	Conditions of Approval:						
	**	Attached					
Date 10/06/2016 Phone: 432-425-1528							

* Attach Additional Sheets If Necessary