# **Closure Report**

	Site Description
Site Name:	Vacuum Glorietta West Unit Battery
Company:	Oxy Permian Ltd.
Legal Description:	U/L C, Section 36, T17S, R34E at leak site
County:	Lea County, NM
GPS Coordinates:	N 32.79568° W 103.51521°

## **Release Data**

Date of Release:	09/24/2016
Type of Release:	Produced water
Source of Release:	Suction hose
Volume of Release:	14 bbls
Volume Recovered:	7 bbls

	Remediatio	n Specifications
Remediation Parameters:	Excavate the enti with clean soil.	re spill area to a depth of 1.75 feet. Backfill the site
Remediation Activities:	03/30/2017 to 0	4/05/2017
Plan Sent to OCD:	02/07/2017	Email from Cliff Brunson to Olivia Yu
OCD Approval of Plan:	03/02/2017	Email from Olivia Yu to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

	Supporting Documentation
Initial C-141	Signed 10/06/2016
Final C-141	Signed 06/12/2017
Site Diagram	October 2016
Groundwater Plot	100'-125'
TOPO Maps	October 2016
Lab Summary	10/25/2016 and 11/14/2016
Lab Analysis	10/25/2016 and 11/14/2016
Correspondence	Request and approval of remediation plan via email

# **Request for Closure**

Based on the completion of the remediation plan, Chevron requests closure approval from NMOCD.

Josepha DeLeon, HES Compliance Support

06/20/2017

•

eived by OC	D: 4/14/2	023 7:35:5	2 AM							Pa	ge 2
District I 1625 N. French District II 811 S. First St., District III 1000 Rio Brazo District IV 1220 S. St. Frar	Artesia, NM s Road, Azte	188210 c, NM 87410	5	Energy Mi Oil ( 1220	inerals Conse ) Sout	f New Mex and Natura rvation Di h St. Franc Fe, NM 875	al Resources vision vis Dr.	Submit 1 C		Form C- Revised August 8, iate District Offic ith 19,15,29 NM	2011
			Rel	ease Notifi				ction	· .	·	
						OPERA	ГOR		itial Report	🔀 🛛 Final R	.eport
Name of Co		Chevron U		-1 (7)7 2020/			Josepha DeLeon		100 105 150	0	
		um Glorietta		nd, TX 79706 ht Battery		Facility Typ	No. wk: 575-20 be: Battery	53-0424 cell:	432-425-152	8	
Surface Ow	ner NA			Mineral C	)wner	State of N	ew Mexico	API	No. See attac	ched	
				LOCA	TIO	N OF RE	LEASE				
Unit Letter B	Section 1	Township 18S	Range 34E	Feet from the		/South Line	Feet from the	East/West Lin	e County	Lea	
**		L.	<u> </u>	Latitude 32.	, 79605:	l Longitude	; -103.514502	J			
						OF REL	,				
Type of Rele						Volume of	Release: 14 BW		ne Recovered: 7		
Source of Re	lease Suc	tion hose					lour of Occurrenc 5 01:30 PM		nd Hour of Dis 2016 01:30 PM		
Was Immedia	ate Notice C		Yes 🗖	No 🗌 Not Re	quired	If YES, To				<u> </u>	<u> </u>
By Whom?	Josepha D				-	Date and H	lour: 09/24/2016	05:00 P.M.		<b>-</b>	
Was a Watero	ourse Reac		Yes 🛛	No		If YES, Vo	lume Impacting t	he Watercourse	•		
If a Watercou	rse was Imp	pacted, Descri	be Fully.*	¥							
N/A											
Describe Cau	se of Proble	em and Remed	lial Actior	ı Taken.*							
Suction hose	on H-pump	split, releasin	g 14 barre	els produced water	in ber	med containm	ent.				
Describe Area	1 Affected a	nd Cleanup A	ction Tak	en.*							
Shut in well.	Vacuum tru	ick picked up	standing	water, recovered 7	barrel	s. Repaired ho	ose.				
regulations all public health of should their of	l operators a or the enviro perations ha ment. In ad	are required to onment. The ave failed to a dition, NMO	report an acceptanc dequately CD accept	is true and compl d/or file certain re e of a C-141 repo investigate and re tance of a C-141 r	elease n rt by th mediat	otifications an e NMOCD ma e contaminatio	d perform correc arked as "Final Re on that pose a thre	tive actions for eport" does not : eat to ground wa	releases which elieve the oper ter, surface wa	may endanger ator of liability ter. human health	1
							OIL CONS	SERVATIO	N DIVISIC	<u>N</u>	{
Signature:	Gr	liten				Approved by ]	Environmental Sp	ecialist:			
Printed Name:	Josepha	DeLeon									
Title: HES	Compliance	Support - En	vironmen	tal		Approval Date	):	Expiratio	n Date:		
E-mail Addres	s: jdxd@	chevron.com			•	Conditions of	Approval:		Attached		
Date 10/06/20				32-425-1528							
Attach Additi	onal Sheet	s If Necessa	rv								

\*

State of New Mexico Energy Minerals and Natural Resources

> **Oil Conservation Division** 1220 South St. Francis Dr.

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Santa Fe, NM 87505

### **Release Notification and Corrective Action**

		<b>OPERATOR</b>	. [	Initial R	eport 🛛	Final Report
Name of Company Chevron USA Inc.		Contact Josep	ha DeLeon			
Address 6301 Deauville Blvd, Midland, TX 7	9706	Telephone No.	(575) 263-0424			
Facility Name Vacuum Glorietta West Unit E	attery	Facility Type	Battery			
Surface Owner	Mineral Owner	State of NM		API No.	30-025-309	071

LOCATION OF RELEASE

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

Latitude N 32.79549° Longitude W 103.51529°

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 14 bbls	Volume Re	covered 7 bbls
Source of Release Faulty suction hose	Date and Hour of Occurrence		lour of Discovery
	09/24/2016 @ 1:30 pm	09/24/2016	6 @ 1:30 pm
Was Immediate Notice Given?	If YES, To Whom?		
🛛 Yes 🗌 No 🗌 Not Required	Maxie Brown- NMOCD		
By Whom? Josepha DeLeon	Date and Hour 09/24/2016 @ 5:0	)0 pm	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.	
🗌 Yes 🖾 No			
If a Watercourse was Impacted, Describe Fully.*			
Describe Cause of Problem and Remedial Action Taken.*			
The suction hose on the H-pump split causing a release of 14 bbls of pro-	duced water incide the home of contains	nont Thoms	11 waa abut in a waauum tmuak
recovered 7 bbls of water, and the hose was repaired.	duced water inside the bermed containr	nent. The we	en was shut in, a vacuum truck
recovered 7 bois of water, and the nose was repaired.			
Describe Area Affected and Cleanup Action Taken.*			
r			
The area affected is on location inside the bermed area. Remediation wa	s completed in accordance with the ren	nediation plar	n approved by Olivia Yu of
NMOCD via email on 03/02/2017.			
I hereby certify that the information given above is true and complete to			
regulations all operators are required to report and/or file certain release			
public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia			
or the environment. In addition, NMOCD acceptance of a C-141 report			
federal, state, or local laws and/or regulations.	does not reneve the operator of respons		inpliance with any other
	OIL CONSERV	ATION I	DIVISION
$\frown$ $\land$ ( )	<u>OIE CONSERV</u>	AHONI	
Guledem		$\bigcirc$	
V	Approved by Environmental Specialize		
Signature:			uttany Hall
Printed Name: Josepha DeLeon			
Title: HES Compliance Support- Environmental	Approval Date: 4/17/2023	Expiration D	ate: N/A
· · · · ·	••		
E-mail Address: jdxd@chevron.com	Conditions of Approval:		Attached
Date: Phone: (432) 425-1528	none		

\* Attach Additional Sheets If Necessary



Chevron, Vacuum Glorietta West Unit Battery

Sample points, hand auger

SP1, N 32.79574 W-103.51526

SP2, N 32.79564 W-103.51525

SP3, N 32.79555 W-103.51535

SP4, N 32.79546 W-103.51536

# Chevron, Vacuum Glorietta West Unit Battery U/L, C, Section 36, T17S, R34E Groundwater: 100'-125'





# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW###### in the (R=POD has been POD suffix indicates replaced, the POD has been O=orphaned, (quarters are 1=NW 2=NE 3=SW 4=SE) replaced & no longer C=the file is serves a water right closed) file.) (NAD83 UTM in meters) (In feet) (quarters are smallest to largest) POD Sub-QQQ Water basin County 64 16 4 Sec Tws POD Number Code Rng Х Y DistanceDepthWellDepthWater Column L 05003 LE 36 17S 34E 638742 3629538\* 286 135 105 L 1 30 95 L 05025 LE 3 3 25 17S 34E 638530 3630143\* 157 L 567 62 2 2 105 L 14180 POD1 L LE 36 17S 34E 639756 3629715 819 231 126 4 L 14180 POD2 2 2 17S 34E 639781 3629735 107 L LE 4 36 843 233 126 L 04899 L LE 2 4 4 26 17S 34E 638226 3630235\* 861 135 85 50 L 05106 L LE 1 3 25 17S 34E 638524 3630547\* 899 150 95 55 L 02308 L LE 4 4 25 17S 34E 639736 3630168\* 902 130 76 54 L 05843 L LE 3 36 17S 34E 638753 3628731\* 1033 240 L 02217 L LE 2 4 25 17S 34E 639730 3630571\* 1142 120 75 45 LE 2 35 17S 34E 95 70 L 05039 L 637730 3629725\* 1207 165 1 34E 95 LE 35 17S 637730 3629725\* 1207 160 L 05335 L 1 2 65 L 07481 L LE 3 3 30 17S 35E 640138 3630176\* 1274 145 105 40 L 07481 S L LE 3 3 30 17S 35E 640138 3630176\* 1274 200 80 120 L 07481 S R L LE 3 3 30 17S 35E 640138 3630176\* 1274 200 80 120 34E L 06030 L LE 3 3 36 17S 638552 3628530\* 1277 230 102 128 L 02724 S4 L LE 3 3 3 36 17S 34E 638451 3628429\* 1405 230 140 90 L 05842 LE 4 35 17S 34E 637948 3628716\* 1429 240 95 145 L 3628964\* 95 L 04247 POD5 3 31 17S 35E 640156 1449 235 140 L LE 1 26 L 04949 L LE 2 17S 34E 638115 3630942\* 1449 158 102 4 56 17S 34E 3630942\* L 05008 L LE 4 2 26 638115 1449 160 89 71 L 05288 L LE 4 4 36 17S 34E 639760 3628552\* 1451 231 90 141 L 05288 R L LE 4 4 36 17S 34E 639760 3628552\* 1451 231 90 141 L 07860 L LE 4 35 17S 34E 637741 3628919\* 1455 240 120 120 1 L 05392 L LE 3 30 17S 35E 640132 3630579\* 1455 145 80 65 1 17S 4 4 35 34E 102 L 06029 LE 638150 3628523\* 1456 230 128 L L 04247 POD6 L LE 2 1 3 31 17S 35E 640255 3629063\* 1485 232 117 115 3629674\* L 03873 3 2 31 17S 35E 640421 1485 230 88 142 L LE 1 L 04247 POD7 1493 240 L LE 3 3 1 31 17S 35E 640049 3628750 L 04520 L LE 3 1 2 25 17S 34E 639215 3631268\* 1545 180

**Released to Imaging: 4/17/2023 1:02:11 PM** 

L

LE

3 1 3 01

L 13820 POD1

http://nmwrrs.ose.state.nm.us/...%22%203629748.0%20%22%2C%0A%22R%22%3A%221700%22%2C%0A%22PLSSDiv%22%3A%22false%22%7D[6/20/2017 4:11:40 PM]

34E

639472

3628296

1546

150

131

19

18S

<u>L 02722 S4</u>	L	LE	1	2	2	01	18S	34E	639666	3628246*	1669	234		
<u>L 10467</u>	L	LE		1	2	01	18S	34E	639365	3628137*	1666	231	115	116
<u>L 13804 POD1</u>	L	LE	2	2	1	31	17S	35E	640572	3629790	1635	157	115	42
<u>L 06115</u>	L	LE	1	1	1	01	18S	34E	638460	3628217*	1603	230	110	120
<u>L 02724 S5</u>	L	LE	4	4	1	35	17S	34E	637432	3629213*	1597	235	140	95
<u>L 02724 POD8</u>	L	LE	4	4	1	35	17S	34E	637432	3629213*	1597	240	212	28
<u>L 13804 POD2</u>	L	LE	2	2	1	31	17S	35E	640532	3629826	1596	130	115	15
<i>ceived by OCD: 4/14/2023</i> L 13820 POD2	L	LE	3	1	3	01	18S	34E	639472	3628296	1546	150	131	r <b>e 8 of</b> 19

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/20/17 4:11 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

O X: 0 ft	Y: 0 ft	rdinate System - NAD27 Zone:	
O x: <mark>0 </mark> ft	State Plane Coo Y: 0 ft	rdinate System - NAD83 Zone:	
	Degrees/	Minutes/Seconds	
O Longitude (X):		Minutes: 0 ' Sec	
Latitude (Y):	Degrees: 0 °	Minutes: 0 ' Sea	onds: <mark>0</mark> "
	UT	M - NAD27	
Easting (X): 0	mtrs Northing (Y): 0	mtrs Zone:	
		SUBMIT	
		displayed as <u>NAD 1983 UTN</u> Northing (Y): 362974	
	558937.U IIIUS		
All ( Easting (X):		to copy UTM values for Repor	s. ~~
		n to copy UTM values for Repor	s. ~~
		n to copy UTM values for Repor	s. ~~
		n to copy UTM values for Repor	S. ~~
		n to copy UTM values for Repor	S. ~~

Section Quarters

# Chevron Glorietta Battery North H Pump



# Chevron

# **Glorietta Battery North H Pump**



Released to Imaging: 4/17/2023 1:02:11 PM



# Chevron

# **Glorietta Battery North H Pump**

Released to Imaging: 4/17/2023 1:02 11 PM

		Sample	SP1 @ SURFACE	SP1 @ 1.5'	SP1@1.5' SP1@1.75' SP1@2'	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
			e coo			

Released to Imaging: 4/17/2023 1:02:11 PM

		Sample	SP2 @ SURFACE	SP2 @ 1.5'	SP2@1.5' SP2@1.75' SP2@2'	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@1.5' SP3@1.75' SP3@2'	SP3 @ 2'

		Sample	SURFACE	SP3 @ 1.5'	URFACE SP3@1.5' SP3@1.75' SP3@2'	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 @	SP4 @ 1.5'	SP4 @ 1.5' SP4 @ 1.75' SP4 @ 2'	SP4 @ 2'

		Sample	SP4 @ SURFACE	SP4 @ 1.5'	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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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



### Analytical Results For:

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, SM4500Cl-B	mg	/kg	Analyze	d 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

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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reprodued except in full with written approval of Cardinal toratories.

Celeg D. Keine

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:	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	

### **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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reprodued except in full with written approval of Cardinal toratories.

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 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

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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal controles.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received	by	OCD:	4/14/	/2023	7:35:52	? <i>AM</i>
----------	----	------	-------	-------	---------	-------------

Company Name: BBC International. Inc.	BILL TO	ANALYSIS REQUEST
	P.O. #:	
0	Company: CHEWON	
bbs		
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
+ Glorietta Project O	111 City:	
ame: Glogeitte	State: Zip:	
on:	Phone #:	
Sampler Name: DRIVE BRUNON	Fax #:	
	MATRIX PRESERVI SAMPLING	
(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER		
SP @ SULLANE 6	10.15.16 93	
10	n 0/01 91 -52:00 N	
-) 21/2/ 2/10C	V 011 9: 50-00 V	
2 2020 11/1/2 6	A 1211. 01.12.01 P	
J SULTING aLOS L	0	
8 6 /S. B	A (C2 4). C.0 A	
PLEASE NOTE: Liability and Damages. Cardina's liability and client's enclusive remedy for any claim ansing whethe maiyses. All claims including those for negligence and any other cause whatboever shall be deemed waived unless s pervice. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, busin	remedy for any claim anising whether based in contract or tort, shall be limited to the amount paid by the client for the ver shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable es, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	2
Relinguished By: Time!	Fax Result: Ves REMARKS:	
Wed	The Condition CHECKED BY:	01 -
Bus - Other: 3.72	Preserves (Minutes)	

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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



### Analytical Results For:

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, SM4500CI-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	

### **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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reprodued except in full with written approval of Cardinal toratories.

Celeg D. Keine

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:	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	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 @ 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	

### 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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Londardines.

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

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 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, 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 claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Londoratories.

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Received by	<b>OCD:</b> 4	/14/202	23 7:35	:52 AM		
_					 	

(505) 393	(505) 393-2326 FAX (505) 393-2476				
Company Name: BBC I	BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager: Cliff B	Cliff Brunson	P.O. #:			
Address: P.O. Box 805		Company:	iny:		
city: Hobbs	State: NM Zip:	88241 Attn:			
Phone #: 575-397-6388	-	0397 Address:	S.		
Project #:	Project Owner:	hevren city:			
ame:	GLORIETTA BATTERY	State:	Zip:		
n:	LEA COUNTY, NM	Phone #:	*		
	PRICE BRUNSON	Fax #:			
		MATRIX PRE	PRESERV. SAMPLING		
Lab I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL DIL SLUDGE OTHER : ACID/BASE:	DTHER:	<u>Cl</u>	
1 SP1 @ 1.75	6	~		AM 🖌	
2 SP1 @ 2'	2' 61	<	V 11/14/16 8:45 AM	AM 🗸	
3 SP2 @ 1.75		5	11/14/16 9:10 AM	AM	
4 SP2 @ 2'	2' 6 1	<	V 11/14/16 9:45 AM	AM 🗸	
5 SP3 @ 1.75	1.75'	<	V 11/14/16 10:10 AM	AM 🗸	
6 SP3 @ 2		5		AM 🗸	
J 3P4 @ 1./3	C/	<	V 11/14/10 11:20 AM	-	
SP4 @ 2		<	11/14/16 11:40 AM	AM 🖌	
	14 Infistro				
PLEASE NOTE: Liability and Damages. Can analyses. All claims including those for negly service. In no event shall Cardinal be liable if artifiates or surfacesors arising cut of nr reads	PLEASE NOTE: Liability and Damages, Cardina'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 nanxyses. At claims including those for negligence and any other cause whatsoevers that the determed waved units and the investing and neceword by Cardinal within 30 days after competion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including whoul limitation, basiness interruptions, loss of use, or loss of profits incorred by client, its subsidiaries, affiliate or subfaces and any other to a particular damages, including whoul limitation, basiness interruptions, loss of use, or loss of profits incorred by client, its subsidiaries, affiliate or subfaces and one or in or under to the and/ormance of subclice homonotor by Cardinal momentum of ubundles such causes and the above stand second or observice.	e remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the ever shall be deemed waived unless made in writing and necewed by Cardinal within '30 days after completion of the a gges, including without limitation, business interruptions, loss of use, or loss of forts incurred by client, its subscriptions, loss of use, or loss of forts incurred by client, the subscription of the a presenter by Cardinal measurities of ubusines such client is busines or one or the above stated seasons or often- presenter by Cardinal measurities of ubusines such client is busines in our of the above stated seasons or often-	be limited to the amount paid by the client for the Cardinal within 30 days after completion of the a tr loss of profits incurred by client, its subsidiaries or any of the above stated reasons or otherwise	lient for the ion of the applicable ubsidiaries, teacule	
Relinquished By:	Rec	gennider Cc	lker	Phone Result:  Yes Fax Result: Yes REMARKS:	No Add'l Phone #: No Add'l Fax #:
	Date: 16-16 Rec Time: 10 2	the	son		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	one) 475 - 11,4°	Sample Condition Cool Intact Yes Yes No No	(Injúals)		
† Cardinal cannot ac	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	ritten changes to 505-393	-2476		
	cept verbal changes. Please fax w	ritten changes to 505-393	-2476	-	

Page 23 of 33

From:	Yu, Olivia, EMNRD
To:	Cliff Brunson; "Austin Bates"
Cc:	"Ken Swinney"; "Jennifer Gilkey"; "Kathy Purvis"; Oberding, Tomas, EMNRD; Houston, Kristen, EMNRD
Subject:	RE: Chevron - Glorietta Battery North H Pump - Remediation Plan
Date:	Thursday, March 2, 2017 10:29:59 AM
Attachments:	Reviewed 1 RP4465 Remediation Packet Glorietta Battery N H Pump.pdf

Dear Mr. Brunson:

The delineation workplan for 1RP-4465 is approved. Please see attachment for your records.

Thanks, Olivia

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Tuesday, February 28, 2017 11:41 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; 'Austin Bates' <Abates@chevron.com>
Cc: 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey'
<jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>; Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; Houston, Kristen, EMNRD
<Kristen.Houston@state.nm.us>
Subject: RE: Chevron - Glorietta Battery North H Pump - Remediation Plan

Olivia,

Please see the responses to the conditions below:

- 1. The entire location is bermed and not just around the pump. That is why the statement was made on the C-141.
- 2. Excavation will be conducted to a depth of 1.75 ft. bgs.

Thank you for the approval.

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: <u>cbrunson@bbcinternational.com</u>



Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Wednesday, February 22, 2017 2:29 PM
To: Cliff Brunson <<u>cbrunson@bbcinternational.com</u>>; Austin Bates <<u>Abates@chevron.com</u>>
Cc: Ken Swinney <<u>kswinney@bbcinternational.com</u>>; Jennifer Gilkey
<jgilkey@bbcinternational.com>; Kathy Purvis <<u>kathy@bbcinternational.com</u>>; Oberding, Tomas,
EMNRD <<u>Tomas.Oberding@state.nm.us</u>>; Lynch, Kristen, EMNRD <<u>Kristen.Lynch@state.nm.us</u>>
Subject: RE: Chevron - Glorietta Battery North H Pump - Remediation Plan

Dear Mr. Brunson:

The workplan for 1RP-4465 is approved with the following conditions. Please confirm.

1) The submitted initial C-141 mentioned a berm around the H-pump. However, a Google Earth image does not indicate the presence of a berm. Please clarify.

2) Excavate to 1.75 ft. bgs, where the chloride levels are clearly at permissible levels.

Thanks,

Olivia Yu Environmental Specialist NMOCD, District I <u>Olivia.yu@state.nm.us</u> 575-393-6161 x113

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.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Tuesday, February 7, 2017 4:03 PM
To: Lynch, Kristen, EMNRD <<u>Kristen.Lynch@state.nm.us</u>>; Oberding, Tomas, EMNRD
<<u>Tomas.Oberding@state.nm.us</u>>; Yu, Olivia, EMNRD <<u>Olivia.Yu@state.nm.us</u>>
Cc: Ken Swinney <<u>kswinney@bbcinternational.com</u>>; Jennifer Gilkey

<jgilkey@bbcinternational.com>; Kathy Purvis <<u>kathy@bbcinternational.com</u>>; Austin Bates <<u>Abates@chevron.com</u>> **Subject:** Chevron - Glorietta Battery North H Pump - Remediation Plan

Kristen,

This e-mail is to confirm our discussion concerning the remediation plan for the Chevron Glorietta Battery North H Pump release. I have attached the information packet that we used in our discussion on 1/25/17 with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this 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: <u>cbrunson@bbcinternational.com</u>



### \*\*\*\*\*

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

























District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	207775
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

### CONDITIONS

Created By		Condition Date
bhall	None	4/17/2023

Action 207775