

# Closure Report

1RP-4349

## Site Description

Site Name:	Central Vacuum Unit Injection Satellite #4
Company:	Chevron USA
Legal Description:	U/L F, Section 31, T17S, R35E
County:	Lea County, NM
GPS Coordinates:	N 32.79481 W -103.49793

## Release Data

Date of Release:	7/3/2012
Type of Release:	Produced water
Source of Release:	2 inch flange at the header did not have a proper seal causing leak
Volume of Release:	5.236 bbls
Volume Recovered:	5 bbls

## Remediation Specifications

Remediation Parameters:	Site was previously remediated by another company. BBC International specialists obtained 3 confirmation samples as plotted on the Google Earth map included and the site was found to be clean at each sample point.
Remediation Activities:	Original remediation activities were performed by another company

Plan Sent to OCD:	unknown	OCD stamp shows it was received 7/09/2012 on C-141
OCD Approval of Plan:	unknown	
Plan Sent to BLM:	n/a	Not required
BLM Approval of Plan:	n/a	Not required

## Supporting Documentation

Initial C-141	signed and included
C-141, page 6	signed and included
Site Diagram	Google Earth map with confirmation sample points
Pictures	Confirmation sample pictures
Lab Summary/Analysis	Confirmation lab summary/analysis report for 3/11/2020
Depth to Groundwater	USGS Information report

## 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.

4/20/2020



# Chevron CVU Sat #4

Leak Date: 7-3-12  
Lea County, NM  
API: 30-025-37233  
1RP-4349

Legend

◆ Confirmation Sample Point

📍 Leak Area



Google Earth



Chevron, CVU Satellite #4

Leak Date: 7-3-12

Sample Points

B1, N 32.79483, W -103.49790

B2, N 32.79481, W -103.49795

B3, N 32.79481, W -103.49801





Laboratory Analytical Results Summary  
Chevron Central Vacuum Unit Inj. Sat #4

		Sample ID	SP1	SP2	SP3
Analyte	Method	Date	3/11/20	3/11/20	3/11/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	240	48.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0



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

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March 17, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CENTRAL VACUUM UNIT INJ. SAT. #4

Enclosed are the results of analyses for samples received by the laboratory on 03/12/20 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/12/2020	Sampling Date:	03/11/2020
Reported:	03/17/2020	Sampling Type:	Soil
Project Name:	CENTRAL VACUUM UNIT INJ. SAT. #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA COUNTY, NM		

**Sample ID: SP 1 (H000790-01)**

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	03/16/2020	ND	1.86	93.2	2.00	8.45	
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30	
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33	
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54	
Total BTEX	<0.300	0.300	03/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/16/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.9 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/12/2020	Sampling Date:	03/11/2020
Reported:	03/17/2020	Sampling Type:	Soil
Project Name:	CENTRAL VACUUM UNIT INJ. SAT. #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA COUNTY, NM		

**Sample ID: SP 2 (H000790-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2020	ND	1.86	93.2	2.00	8.45		
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30		
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33		
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54		
Total BTEx	<0.300	0.300	03/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/16/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.7 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	03/12/2020	Sampling Date:	03/11/2020
Reported:	03/17/2020	Sampling Type:	Soil
Project Name:	CENTRAL VACUUM UNIT INJ. SAT. #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - LEA COUNTY, NM		

**Sample ID: SP 3 (H000790-03)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/16/2020	ND	1.86	93.2	2.00	8.45		
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30		
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33		
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54		
Total BTX	<0.300	0.300	03/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/16/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

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Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

**(505) 393-2326 FAX (505) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:		Date: 3/11/20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 5:00 pm		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date: 3-12-20	Received By:	REMARKS:	
		Time: 7:50			
Delivered By: (Circle One)		Sample Condition			
Sampler - UPS - Bus - Other: -4.1c #113		Cool Intact		CHECKED BY:	
		<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		(Initials) TO-	

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

Incident ID	nJXK1620049259
District RP	1RP-4349
Facility ID	
Application ID	

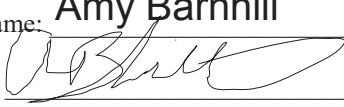
## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amy Barnhill Title: Waste & Water Specialist  
Signature:  Date: 4-13-2020  
email: abarnhill@chevron.com Telephone: (432) 687-7108

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Bradford Billings Date: 09/22/2021  
Printed Name: Bradford Billings Title: Envi.Spec.A



**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  
  
Action 5149

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 5149
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	9/22/2021