

Closure Report

Site Description

Site Name:	Blue Jay Federal #001H
Company:	COG Operating LLC
Legal Description:	U/L O, Section 18, T20S, R35E
County:	Lea County, NM
GPS Coordinates:	N 32.56627 W-103.49564

Release Data

Date of Release:	7/11/2017
Type of Release:	Produced water
Source of Release:	3 rd party contractor accidentally dumped water on pad
Volume of Release:	8 bbls
Volume Recovered:	6 bbls

Remediation Specifications

Remediation Parameters:	Excavate the area of SP1 to a depth of 4 feet and put a liner in the excavation. Excavate the area of SP2 to a depth of 1 foot. Obtain confirmation bottom and sidewall samples. Backfill the site with clean soil.	
Remediation Activities:	11/19/18 to 11/26/18	
Plan Sent to OCD:	6/20/2018	Email from Cliff Brunson to Olivia Yu
OCD Approval of Plan:	7/17/2018	Email from Olivia Yu to Cliff Brunson
Plan Sent to BLM:	6/20/2018	Email from Cliff Brunson to Henryetta Price
BLM Approval of Plan:	7/6/2018	Email from Henryetta Price to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 7/16/2017
Final C-141	Signed 12/13/2018
Site Diagram	November 2018
Pictures	Remediation, liner, and backfill 11/19/18 to 11/26/18

Request for Closure

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

Cliff Brunson, President, BBC International, Inc.

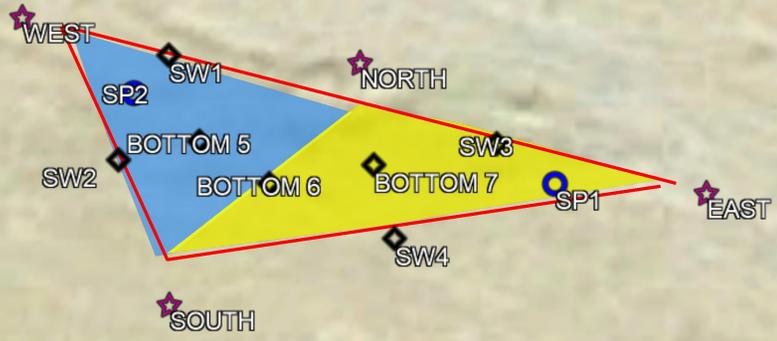
12/13/2018

COG, Blue Jay Federal #001H

Leak date: 7/11/17
Lea County, NM
AP# 30-025-42338
1RP-4758

Legend

-  1 ft excavation
-  4 ft excavation with liner
-  Cardinal sample points
-  Confirmation sample points
-  Leak Area
-  Sample points



COG, Blue Jay Federal #001H

Sample points

SP1, N 32.56628 W-103.49562

SP2, N 32.56631 W-103.49573

NORTH, N 32.56631 W-103.49567

SOUTH, N 32.56626 W-103.49571

EAST, N 32.56628 W-103.49558

WEST, N 32.56633 W-103.49576

Confirmation sample points

SIDEWALL 1, N 32.56631 W-103.49572

SIDEWALL 2, N 32.56629 W-103.49573

SIDEWALL 3, N 32.56629 W-103.49563

SIDEWALL 4, N 32.56627 W-103.49566

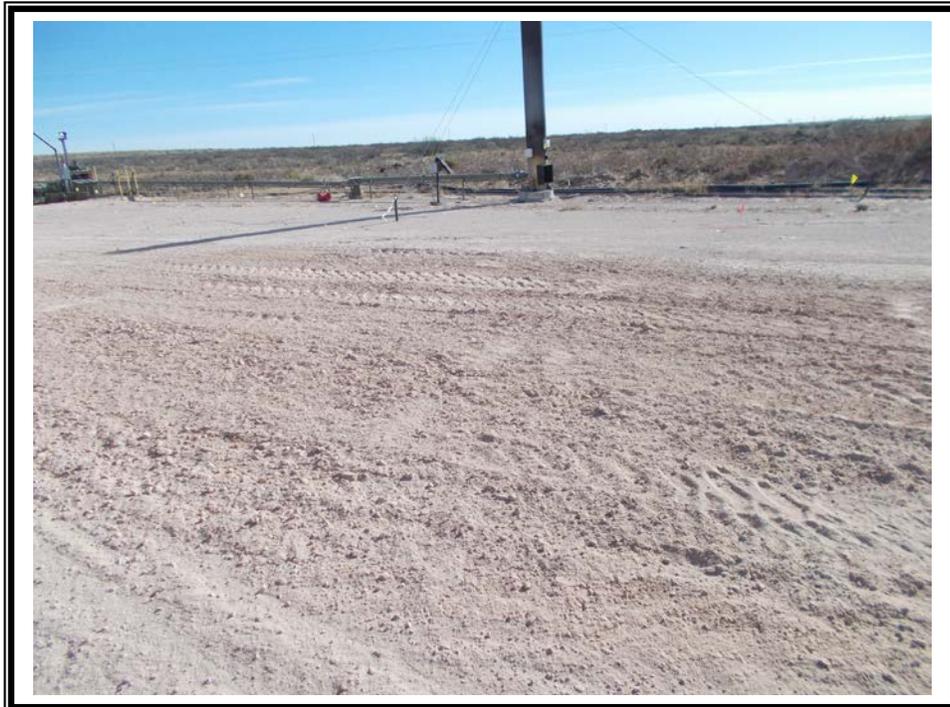
BOTTOM 5, N 32.56629 W-103.49571

BOTTOM 6, N 32.56628 W-103.49569

BOTTOM 7, N 32.56629 W-103.49566







		Sample ID	SIDEWALL 1
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		16

		Sample ID	SIDEWALL 2
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		48

		Sample ID	SIDEWALL 3
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		32

		Sample ID	SIDEWALL 4
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		32

		Sample ID	BOTTOM 5
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	BOTTOM 6
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		32

		Sample ID	BOTTOM 7
Analyte	Method	Date	11/23/18
			mg/kg
Chloride	SM4500Cl-B		32



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

December 12, 2018

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: BLUE JAY FEDERAL #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/06/18 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



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

Analytical Results For:

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

Received:	12/06/2018	Sampling Date:	11/23/2018
Reported:	12/12/2018	Sampling Type:	Soil
Project Name:	BLUE JAY FEDERAL #001H	Sampling Condition:	Cool & Intact
Project Number:	(7/11/17)	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: SIDEWALL 1 (H803599-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/11/2018	ND	400	100	400	0.00	

Sample ID: SIDEWALL 2 (H803599-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/11/2018	ND	400	100	400	0.00	

Sample ID: SIDEWALL 3 (H803599-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2018	ND	416	104	400	3.77	

Sample ID: SIDEWALL 4 (H803599-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2018	ND	416	104	400	3.77	

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:	12/06/2018	Sampling Date:	11/23/2018
Reported:	12/12/2018	Sampling Type:	Soil
Project Name:	BLUE JAY FEDERAL #001H	Sampling Condition:	Cool & Intact
Project Number:	(7/11/17)	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

Sample ID: BOTTOM 5 (H803599-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/11/2018	ND	416	104	400	3.77	

Sample ID: BOTTOM 6 (H803599-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2018	ND	416	104	400	3.77	

Sample ID: BOTTOM 7 (H803599-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/11/2018	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST															
Project Manager: Cliff Brunson		Address: P.O. Box 805		Company: COG																	
City: Hobbs		State: NM Zip: 88241		Attn: Haskell																	
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																	
Project #:		Project Owner: COG		City:																	
Project Name: Blue Jay Federal #001H (7/11/17)		State:		Zip:																	
Project Location: Lea County, NM		Phone #:		Fax #:																	
Sampler Name: Price Brunson																					
<small>FOR LAB USE ONLY</small>																					
Lab I.D. HS803539		Sample I.D.		(G)RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING											
				# CONTAINERS								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE	
1		SIDEWALL 1		1		✓		✓		11/23/18 2:00 PM		✓									
2		SIDEWALL 2		1		✓		✓		11/23/18 2:10 PM		✓									
3		SIDEWALL 3		1		✓		✓		11/23/18 2:20 PM		✓									
4		SIDEWALL 4		1		✓		✓		11/23/18 2:30 PM		✓									
5		BOTTOM 5		1		✓		✓		11/23/18 2:40 PM		✓									
6		BOTTOM 6		1		✓		✓		11/23/18 2:50 PM		✓									
7		BOTTOM 7		1		✓		✓		11/23/18 3:00 PM		✓									

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Relinquished By: Cliff Brunson		Date: 11/23/18		Time: 5:30pm		Received By: Cliff Haskell		Date: 12-6-18		Time: 18:10		Sample Condition		CHECKED BY: Cliff Haskell	
Relinquished By: Cliff Brunson		Date: 11/23/18		Time: 5:30pm		Received By: Cliff Haskell		Date: 12-6-18		Time: 18:10		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Checked By: Cliff Haskell	
Delivered By: Cliff Haskell		Date: 12-6-18		Time: 18:10		Received By: Cliff Haskell		Date: 12-6-18		Time: 18:10		Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Checked By: Cliff Haskell	
Sampler - UPS - Bus - Other: 59.0 #697		Date: 12-6-18		Time: 18:10		Received By: Cliff Haskell		Date: 12-6-18		Time: 18:10		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Checked By: Cliff Haskell	

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

REMARKS:

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

Incident ID	
District RP	1RP-4758
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: Rebecca Haskell Title: Senior HSE Coordinator
 Signature: *Rebecca Haskell* Date: 12/13/18
 email: rhaskell@concho.com Telephone: (432) 683-7443

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: *Brittany Hall* Date: 12/2/2022
 Printed Name: Brittany Hall Title: Environmental Specialist

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 163441

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 163441
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	12/2/2022