



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

RECEIVED

By Kellie Jones at 7:53 am, Dec 15, 2015

APPROVED Conditional

By Kellie Jones at 7:55 am, Dec 15, 2015

COG (CONCHO) – GC FEDERAL #11 TANK BATTERY

1. Ensure BLM approval.

REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The area on the pad around sample points SP3 and SP4 will be excavated to a depth of 3 feet. The area off the pad in the area of sample point SP2 will be excavated 6 inches and confirmation field screens for chloride will be taken to ensure the horizontal extent of the impact is removed. The area by SP1 will be excavated to a depth of 3 feet then lined with a 20 mil liner. Confirmation field screens for chloride will be taken to ensure the horizontal extent of the impact is removed. The entire site will be backfilled with clean soil.

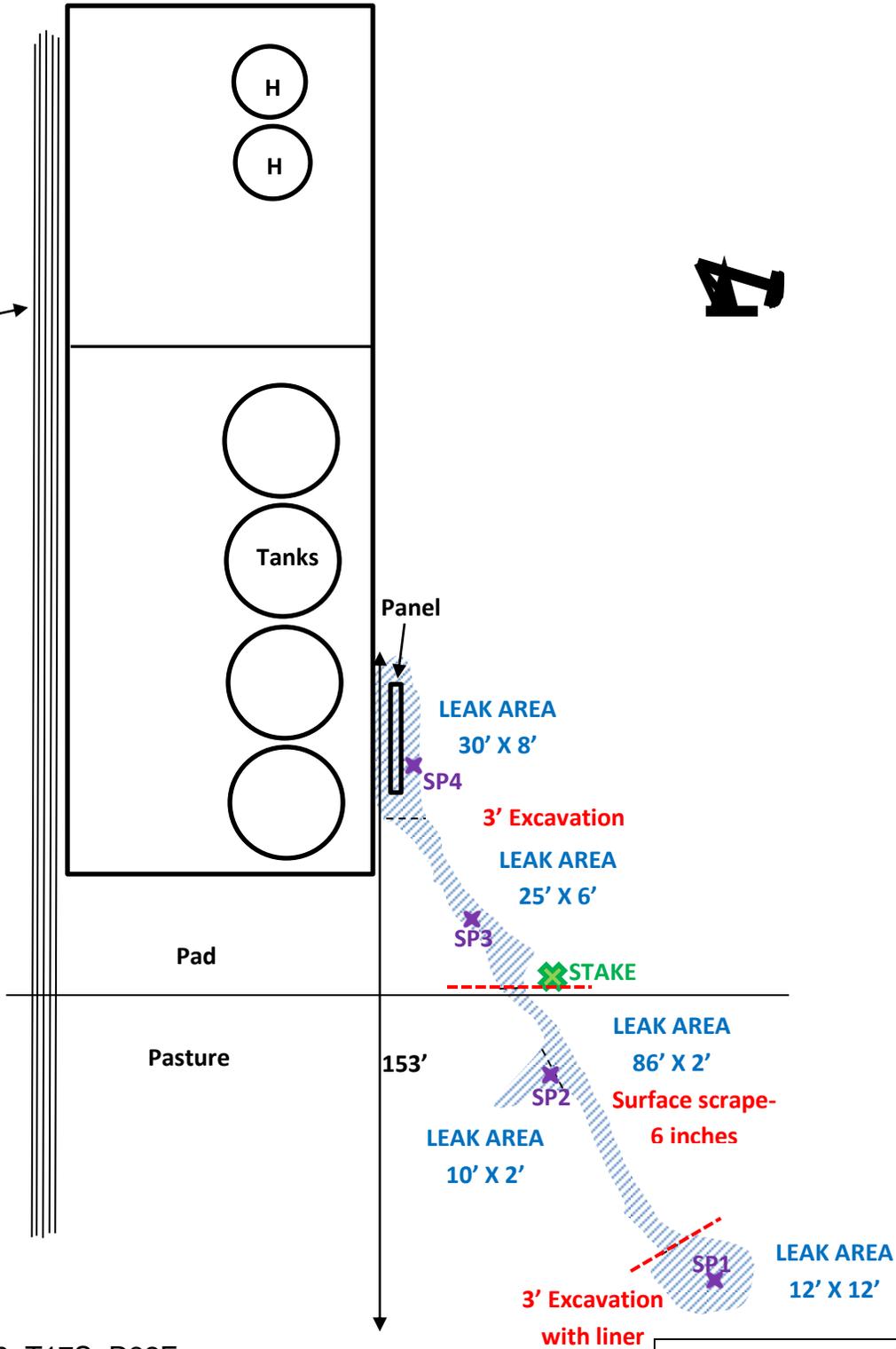
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Concho

GC Federal #11 Tank Battery



Surface Lines



LEAK AREA
30' X 8'

SP4

3' Excavation

LEAK AREA
25' X 6'

SP3

STAKE

LEAK AREA
86' X 2'

Surface scrape-
6 inches

SP2

LEAK AREA
10' X 2'

LEAK AREA
12' X 12'

3' Excavation
with liner

153'

U/L I, Section 19, T17S, R32E

Lea County, NM

N 32.81675° W 103.79939°

API# 30-025-38994

BBC International, Inc.

Concho

CG Federal #11 Tank Battery

Date: 11/6/15

DRWG by: J.Gilkey

NOT TO SCALE

File: Concho 2015

Groundwater Plot

Concho GC Federal #11 Tank Battery

County
Eddy

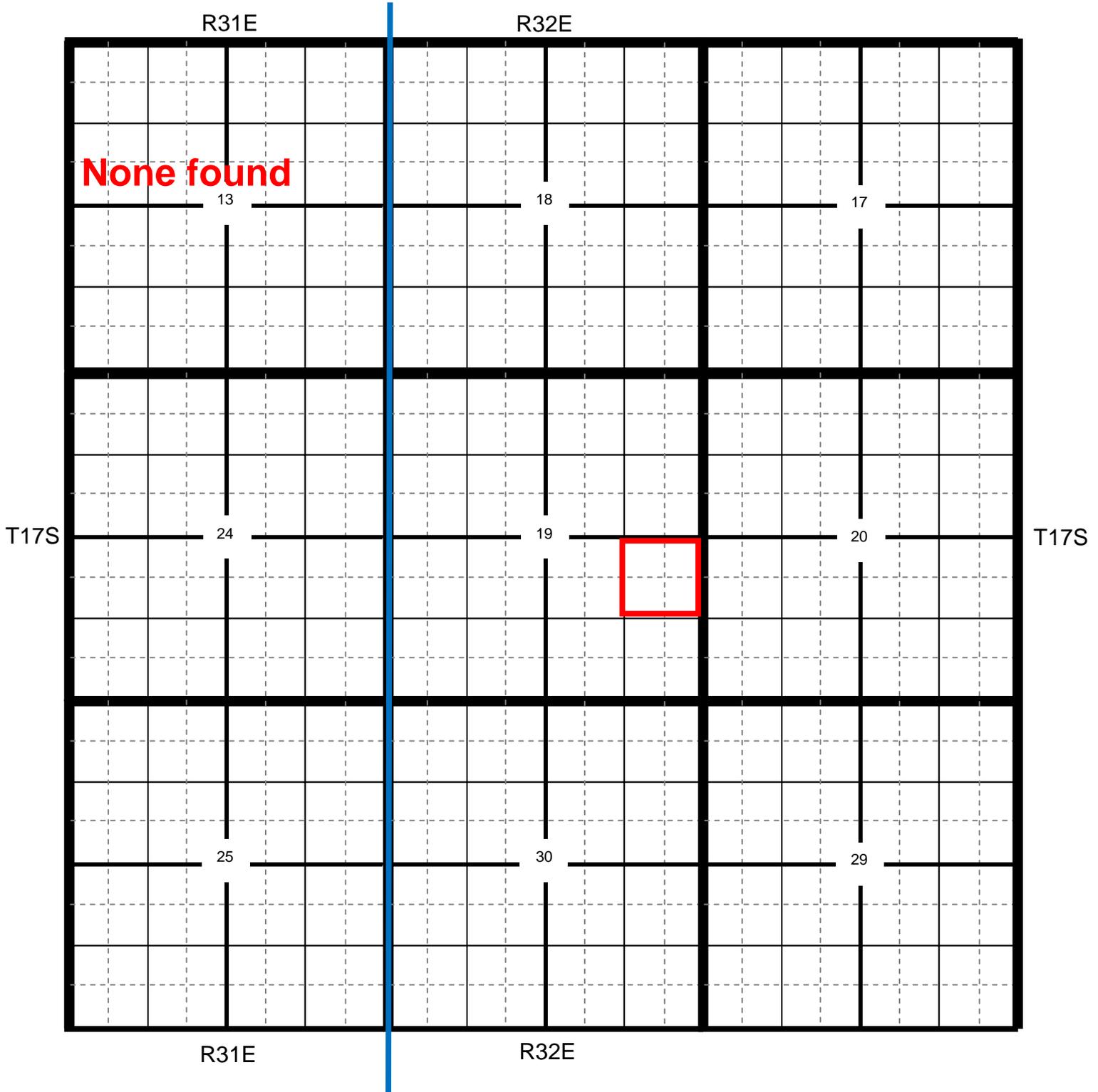
Unit Letter
I

Section
19

Township
17S

Range
32E

Trend Map 200'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Concho GC Federal #11 Tank Battery

County **Unit Letter** **Section** **Township** **Range**
 Lea I 19 17S 32E

Trend Map 200'

1

2

NW/NW <b style="color: red; font-size: 1.2em;">None found	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

3

4

**Laboratory Analytical Results Summary
GC Federal #11 Tank Battery**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'	SP1 @ 10'
Analyte	Method	Date	11/13/15	11/13/15	11/13/15	11/13/15	11/13/15	11/13/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		112	5600	4480	5040	2320	<16.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	11/13/15	11/13/15	11/13/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		464	528	32

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 3'
Analyte	Method	Date	11/16/15	11/16/15	11/16/15	11/16/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		3160	4160	4000	96

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	11/16/15	11/16/15	11/16/15	11/16/15	11/16/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2560	4000	2440	512	32



November 20, 2015

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

RE: G C FEDERAL #11 TB

Enclosed are the results of analyses for samples received by the laboratory on 11/18/15 8:16.

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:	11/18/2015	Sampling Date:	11/13/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	G C FEDERAL #11 TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR, NM		

Sample ID: SP 1 @ 1' (H503039-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 1 @ 3' (H503039-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 1 @ 5' (H503039-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 1 @ 7' (H503039-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	11/19/2015	ND	384	96.0	400	11.8	

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:	11/18/2015	Sampling Date:	11/13/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	G C FEDERAL #11 TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR, NM		

Sample ID: SP 1 @ 9' (H503039-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 1 @ 10' (H503039-06)

Chloride, SM4500Cl-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	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 2 @ 1' (H503039-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/19/2015	ND	384	96.0	400	11.8	

Sample ID: SP 2 @ 2' (H503039-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 2 @ 3' (H503039-09)

Chloride, SM4500Cl-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	11/20/2015	ND	416	104	400	3.77	

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*=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:	11/18/2015	Sampling Date:	11/16/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	G C FEDERAL #11 TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR, NM		

Sample ID: SP 3 @ 1' (H503039-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 2' (H503039-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 3' (H503039-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 3 @ 4' (H503039-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 4 @ 1' (H503039-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	11/20/2015	ND	416	104	400	3.77	

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:	11/18/2015	Sampling Date:	11/16/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	G C FEDERAL #11 TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR, NM		

Sample ID: SP 4 @ 2' (H503039-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 4 @ 3' (H503039-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 4 @ 4' (H503039-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	11/20/2015	ND	416	104	400	3.77	

Sample ID: SP 4 @ 5' (H503039-18)

Chloride, SM4500Cl-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	11/20/2015	ND	416	104	400	3.77	

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* = 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



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.		P.O. #:																	
Project Manager: Cliff Brunson		Company:																	
Address: P.O. Box 805		Attn:																	
City: Hobbs		Address:																	
Phone #: 575-397-6388		City:																	
Fax #: 575-397-0397		State:																	
Project #: GC Federal #11		Zip:																	
Project Owner: Concho		Phone #:																	
Project Location: McJannet		Fax #:																	
Sampler Name: V.C.D.		PRESERV		SAMPLING															
FOR LAB USE ONLY																			
Lab I.D. H503039	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME											
11	SP302		1	X	X	X	11-16	939	X										
12	SP303		1	X	X	X		1020	X										
13	SP304		1	X	X	X		1045	X										
14	SP401		1	X	X	X		1201	X										
15	SP402		1	X	X	X		1111	X										
16	SP403		1	X	X	X		131	X										
17	SP404		1	X	X	X		200	X										
18	SP405		1	X	X	X		222	X										

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Relinquished By: *[Signature]* Date: **11-10-15** Time: **8:16AM** Received By: *Rogelio Jimenez*

Relinquished By: *[Signature]* Date: **11-18-15** Time: **11:18:15** Received By: *[Signature]*

Delivered By: (Circle One) **UPS** - UPS - Bus - Other: **-2.40**

Sample Condition: Intact Cool Yes No

CHECKED BY: *[Signature]*

REMARKS: **#54**

2/2

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

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 Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: GC Federal 11 Tank Battery	Facility Type: Battery

Surface Owner: Federal	Mineral Owner:	API No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	19	17S	32E					Lea

Latitude 32.8171158 Longitude -103.7993851

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 445 bbls PW	Volume Recovered: 440 bbls PW
Source of Release: Tank Overflow	Date and Hour of Occurrence: 8/26/2015 8:00 am	Date and Hour of Discovery: 8/26/2015 8:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kellie Jones – NMOCD / Jim Amos – BLM	
By Whom? Amanda Trujillo	Date and Hour: Thu 8/27/2015 5:36 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.*

This release was caused by a tank overflow due to a water pump failure. Vacuum trucks were dispatched to recover all standing fluid and repairs were made to equipment.

Describe Area Affected and Cleanup Action Taken.*

The majority of this release was contained within the lined containment. Approximately, 15 bbls overflowed the containment on to the pad. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: Amanda Trujillo	Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: atrujillo@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: September 9, 2015 Phone: 575-748-6940		

* Attach Additional Sheets if Necessary