

Closure Report

NMOCD approves
1RP-4468 for closure.

Site Description

Site Name:	Branex COG Federal #010
Company:	COG Operating LLC
Legal Description:	U/L L, Section 9, T17S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.84738° W 103.77544°

Release Data

Date of Release:	09/24/2016
Type of Release:	Produced water
Source of Release:	Flow line
Volume of Release:	25 bbls
Volume Recovered:	20 bbls

Remediation Specifications

Remediation Parameters:	Excavate the entire leak to a depth of 1.5 feet. Obtain confirmation bottom and sidewall samples in the excavation. If those samples exceed permissible levels, excavate to a depth of 2 feet.	
Remediation Activities:	07/31/2017 to 08/08/2017	
Plan Sent to OCD:	05/15/2017	Email from Cliff Brunson to Olivia Yu
OCD Approval of Plan:	06/28/2017	Email from Olivia Yu to Cliff Brunson
Plan Sent to BLM:	05/15/2017	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	06/28/2017	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 10/05/2016
Final C-141	08/23/2017
Site Diagram	March 2017
Groundwater Plot	100'-125'
TOPO Maps	March 2017
Lab Summary	01/11/2017, 04/26/2017, and 08/03/2017
Lab Analysis	01/11/2017, 04/26/2017, and 08/03/2017
Correspondence	Request and approval of remediation plan via email

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

08/29/2017

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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: BRANEX COG FEDERAL #010	Facility Type: Battery
Surface Owner: Federal	Mineral Owner: Federal
API No. 30-025-40871	

LOCATION OF RELEASE

Unit Letter L	Section 9	Township 17S	Range 32E	Feet from the 1650	North/South Line South	Feet from the 330	East/West Line West	County Lea
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32.846405,-103.7790375

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 25 bbls PW	Volume Recovered: 20 bbls PW
Source of Release: Flow line	Date and Hour of Occurrence: 9/24/2016 @ 7:00 PM	Date and Hour of Discovery: 9/24/2016 @ 7:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kristen Lynch/NMOCD & Shelly Tucker/BLM	
By Whom? Dakota Neel	Date and Hour: 9/26/2016	
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 occurred when a truck pulling a trailer hit the produced water line. The damaged portion of the water line was replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred and remained on the lease road. Vacuum trucks were immediately dispatched to recover standing fluids. 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist:		
Printed Name: Dakota Neel	Approval Date:		
Title: Environmental Coordinator	Expiration Date:		Attached <input type="checkbox"/>
E-mail Address: dneel2@concho.com	Conditions of Approval:		
Date: October 5, 2016	Phone: 575-748-6933		

* Attach Additional Sheets If Necessary

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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: BRANEX COG FEDERAL #10	Facility Type: Battery	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-025-40871

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	09	17S	32E	1650	South	330	West	Lea County, NM

Latitude N 32.84738° Longitude W 103.77544°

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 25 bbls	Volume Recovered: 20 bbls
Source of Release: Flow line	Date and Hour of Occurrence 09/24/2016 @ 7:00 pm	Date and Hour of Discovery 09/24/2016 @ 7:00 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Kristen Lynch/NMOCD & Shelly Tucker/BLM	
By Whom? Dakota Neel	Date and Hour: 09/26/2016	
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.*

APPROVED

By Olivia Yu at 8:11 am, Jan 04, 2018

Describe Cause of Problem and Remedial Action Taken.*

This release occurred when a truck pulling a trailer hit the produced water line. The damaged portion of the water line was replaced.

Describe Area Affected and Cleanup Action Taken.*

This release occurred and remained on the lease road. Vacuum trucks were immediately dispatched to recover standing fluids. The site was delineated according to OCD standards and a remediation plan was created. Remediation was completed in accordance with the remediation plan approved by Olivia Yu of NMOCD via email on 06/28/2017 and approved by Shelly Tucker of the BLM via email on 06/28/2017.

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: <i>Rebecca Haskell</i>		OIL CONSERVATION DIVISION	
Printed Name: Rebecca Haskell		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior HSE Coordinator	Approval Date: 1/4/2018	Expiration Date: xx/xx/xxxx	Attached <input type="checkbox"/>
E-mail Address: rhaskell@concho.com	Conditions of Approval:		
Date: August 23, 2017	Phone: (432) 683-7443		

* Attach Additional Sheets If Necessary

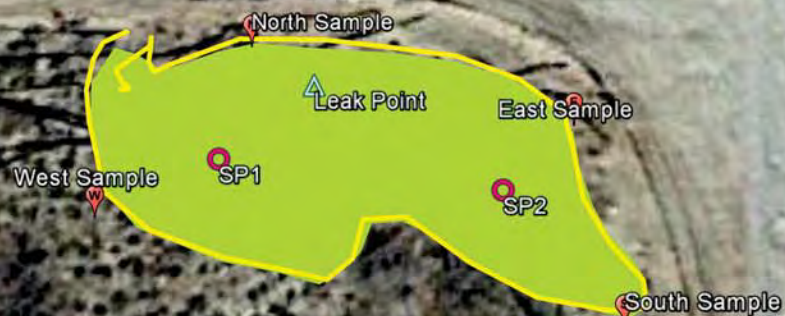
1RP-4468

COG, Branex COG Federal #010

Leak Date: 09/24/2016
Lea County, NM
API# 30-025-40871
RP# 1RP-4468

Legend

- 1.5 ft Excavation
- East Sample
- Sample Points, Hand Auger
- Leak Point
- North Sample
- South Sample
- Spill Area
- West Sample



Google Earth

© 2016 Google



80 ft

COG, Branex COG Federal #010

Samples, Hand Auger

SP1, GPS point: N 32.84734° W-103.77554°

SP2, GPS point: N 32.84733° W-103.77542°

Samples, Hand Auger

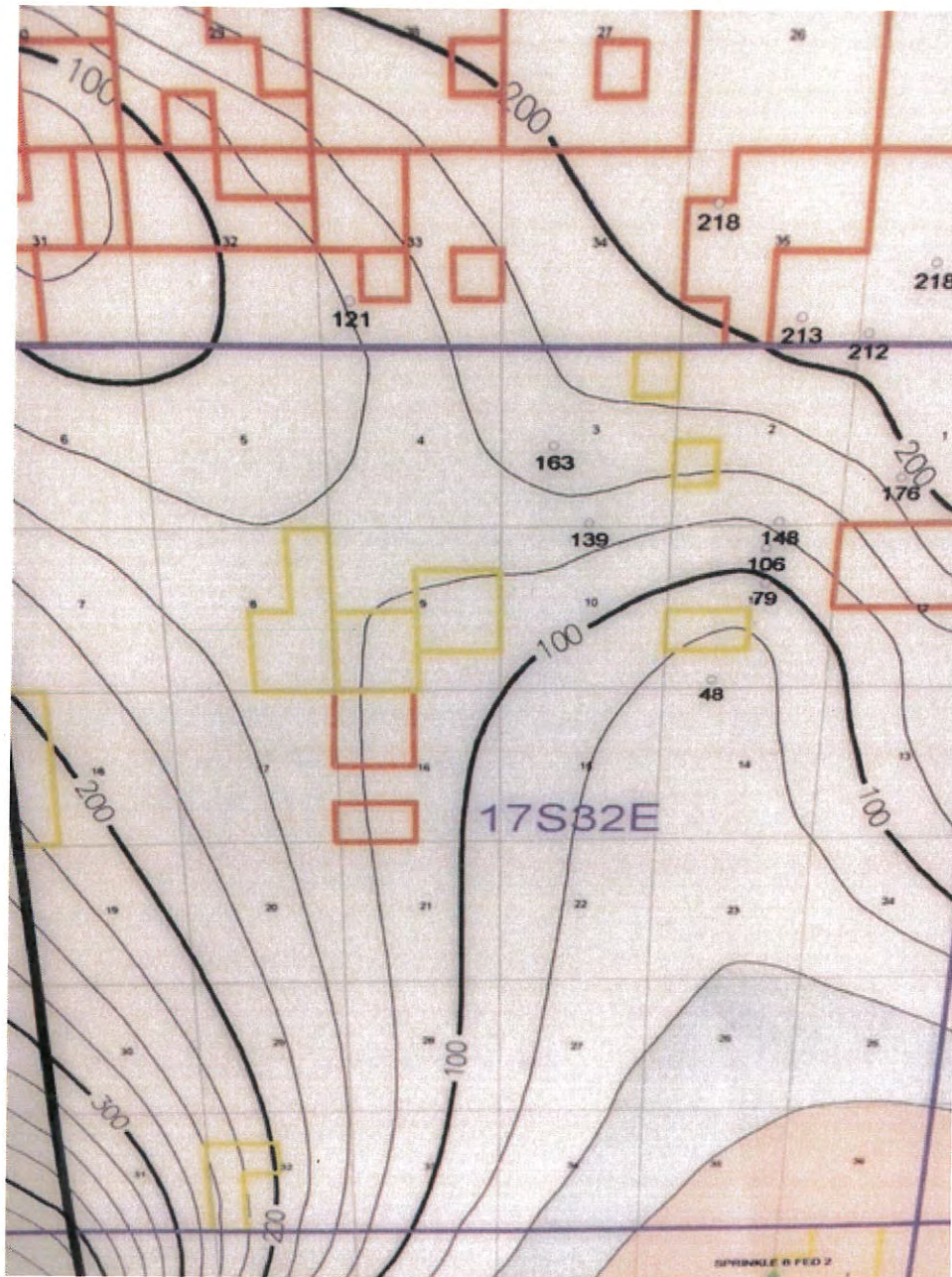
North Sample, GPS point: N 32.84739° W-103.77553°

South Sample, GPS point: N 32.84728° W-103.77537°

East Sample, GPS point: N 32.84736° W-103.77539°

West Sample, GPS point: N 32.84732° W-103.77559°

COG, Branex COG Federal #010
U/L L, Section 9, T17S, R32E
Groundwater: 100'-125'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 614363

Northing (Y): 3635023

Radius: 1700

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.

2/27/17 11:55 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

☒ Q64: Q16: NW Q4: SW Sec: 09 Tws: 17S Rng: 32E

State Plane Coordinate System - NAD27

☐ X: 0 ft Y: 0 ft Zone:

State Plane Coordinate System - NAD83

☐ X: 0 ft Y: 0 ft Zone:

Degrees/Minutes/Seconds

☐ Longitude (X): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

Latitude (Y): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

UTM - NAD27

☐ Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X): 614363.0 mtrs

Northing (Y): 3635023.0 mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~



Groundwater Plot

COG Branex COG Federal #010

County
Lea

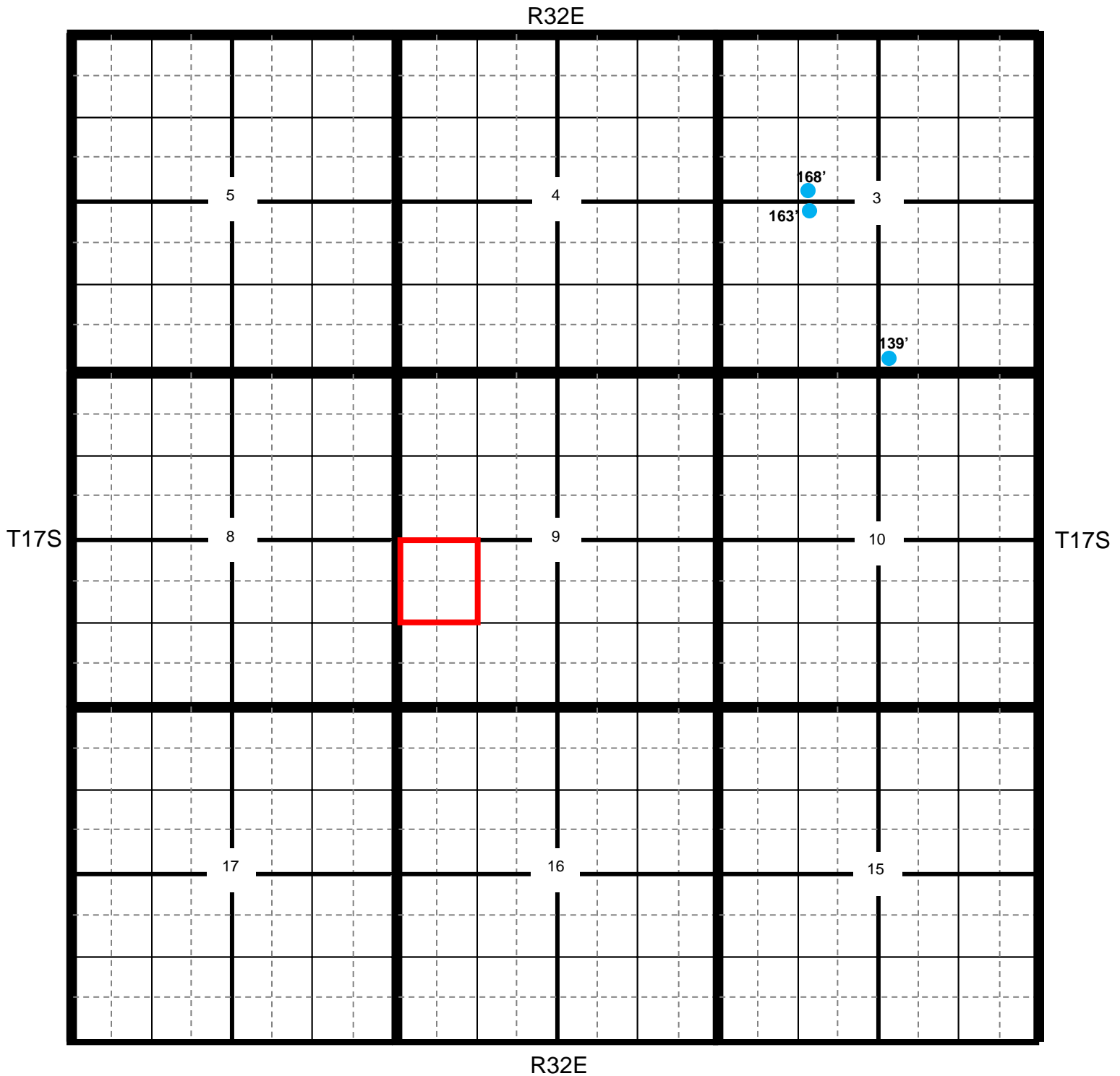
Unit Letter
L

Section
9

Township
17S

Range
32E

Trend Map 100'-125'



★ Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

COG Branex COG Federal #010

County Unit Letter Section Township Range
Lea L 9 17S 32E

Trend Map 100-125'

1

2

NW/NW 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

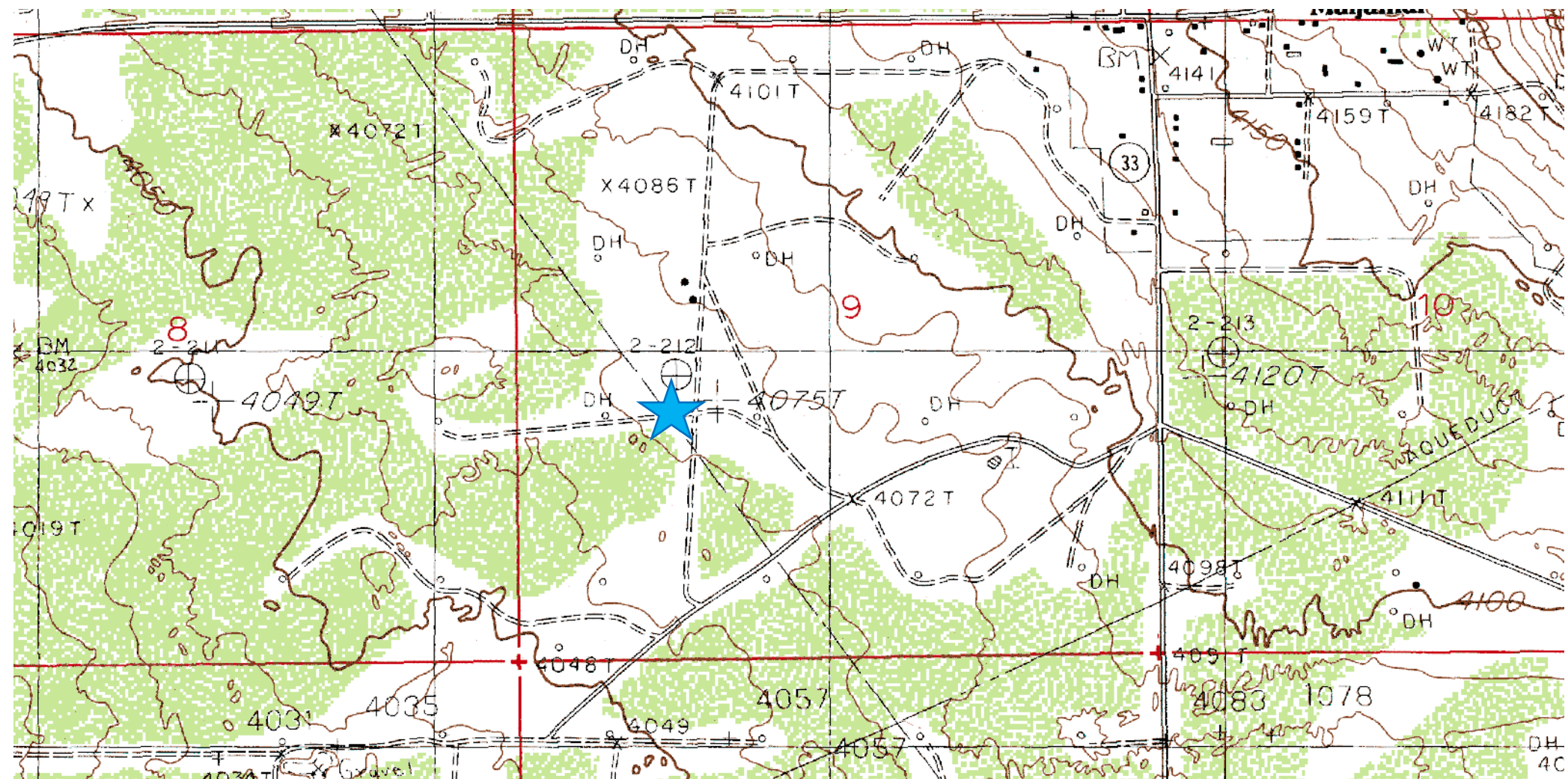
3

4

Branex COG Federal #010



Branex COG Federal #010



**Laboratory Analytical Results Summary
Branex COG Federal #010**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	1/11/17	1/11/17	1/11/17	4/26/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		3160	32	<16.0	48

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP1 @ 5'
Analyte	Method	Date	1/11/17	1/11/17	1/11/17	4/26/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		3200	16	<16.0	48

		Sample	NORTH @ 1'
Analyte	Method	Date	1/11/17
			mg/Kg
Chloride	SM4500CI-B		48

		Sample	EAST @ 1'
Analyte	Method	Date	1/11/17
			mg/Kg
Chloride	SM4500CI-B		32

		Sample	SOUTH @ 1'
Analyte	Method	Date	1/11/17
			mg/Kg
Chloride	SM4500CI-B		32

		Sample	WEST @ 1'
Analyte	Method	Date	1/11/17
			mg/Kg
Chloride	SM4500CI-B		48

Laboratory Analytical Results Summary
Branex COG Federal #010

		Sample	NORTH SIDEWALL
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		144

		Sample	BOTTOM #1
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		144

		Sample	WEST SIDEWALL
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		112

		Sample	BOTTOM #2
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		160

		Sample	EAST SIDEWALL
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		144

		Sample	SOUTH SIDEWALL
Analyte	Method	Date	8/3/17
			mg/Kg
Chloride	SM4500CI-B		160



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

January 17, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRANEX

Enclosed are the results of analyses for samples received by the laboratory on 01/13/17 10:50.

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/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, flowing style.

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:	01/13/2017	Sampling Date:	01/11/2017
Reported:	01/17/2017	Sampling Type:	Soil
Project Name:	BRANEX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG - LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H700092-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	01/16/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 2' (H700092-02)

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	01/16/2017	ND	432	108	400	3.64	

Sample ID: SP 1 @ 3' (H700092-03)

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	01/16/2017	ND	432	108	400	3.64	

Sample ID: SP 2 @ 1' (H700092-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	01/16/2017	ND	432	108	400	3.64	

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:	01/13/2017	Sampling Date:	01/11/2017
Reported:	01/17/2017	Sampling Type:	Soil
Project Name:	BRANEX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG - LEA COUNTY, NM		

Sample ID: SP 2 @ 2' (H700092-05)

Chloride, SM4500Cl-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	01/16/2017	ND	432	108	400	3.64		

Sample ID: SP 2 @ 3' (H700092-06)

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	01/16/2017	ND	432	108	400	3.64		

Sample ID: NORTH @ 1' (H700092-07)

Chloride, SM4500Cl-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	01/16/2017	ND	432	108	400	3.64		

Sample ID: EAST @ 1' (H700092-08)

Chloride, SM4500Cl-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	01/16/2017	ND	432	108	400	3.64		

Sample ID: SOUTH @ 1' (H700092-09)

Chloride, SM4500Cl-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	01/16/2017	ND	432	108	400	3.64		

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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:	01/13/2017	Sampling Date:	01/11/2017
Reported:	01/17/2017	Sampling Type:	Soil
Project Name:	BRANEX	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG - LEA COUNTY, NM		

Sample ID: WEST @ 1' (H700092-10)

Chloride, SM4500Cl-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	01/16/2017	ND	432	108	400	3.64		

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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

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Celey D. Keene, Lab Director/Quality Manager

May 04, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRANEX COG FED #010

Enclosed are the results of analyses for samples received by the laboratory on 04/27/17 13:45.

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/qa/lab_accred_certif.html.

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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. 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:	04/27/2017	Sampling Date:	04/26/2017
Reported:	05/04/2017	Sampling Type:	Soil
Project Name:	BRANEX COG FED #010	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA COUNTY, NM		

Sample ID: SP1 @ 5' (H701134-01)

Chloride, SM4500Cl-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	04/28/2017	ND	432	108	400	0.00	

Sample ID: SP2 @ 5' (H701134-02)

Chloride, SM4500Cl-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	04/28/2017	ND	432	108	400	0.00	

Cardinal Laboratories

*=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

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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

1 of 1

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

MATRIX

PRESERV.

SAMPLING

Lab I.D.

Sample I.D.

H101134

1 SPICOS
2 SP205

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

4-26-17 1:00
4-26-17 1:50

CHLORIDE

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Relinquished By:

Date: 4/16/17

Received By:

Phone Result:

Fax Result:

REMARKS:

Relinquished By:

Date: 4-27-17

Received By:

Phone Result:

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

010

Sample Condition
Cool ☒ Intact ☒
Yes Yes
No No

CHECKED BY:
(Initials)
TD-HTS

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

August 04, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRANEX COG FED #010

Enclosed are the results of analyses for samples received by the laboratory on 08/04/17 9:50.

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/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,



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:	08/04/2017	Sampling Date:	08/03/2017
Reported:	08/04/2017	Sampling Type:	Soil
Project Name:	BRANEX COG FED #010	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA COUNTY, NM		

Sample ID: NORTH SIDEWALL (H702047-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/04/2017	ND	448	112	400	0.00	

Sample ID: WEST SIDEWALL (H702047-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/04/2017	ND	448	112	400	0.00	

Sample ID: EAST SIDEWALL (H702047-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/04/2017	ND	448	112	400	0.00	

Sample ID: SOUTH SIDEWALL (H702047-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/04/2017	ND	448	112	400	0.00	

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:	08/04/2017	Sampling Date:	08/03/2017
Reported:	08/04/2017	Sampling Type:	Soil
Project Name:	BRANEX COG FED #010	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA COUNTY, NM		

Sample ID: BOTTOM #1 (H702047-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/04/2017	ND	448	112	400	0.00		

Sample ID: BOTTOM #2 (H702047-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/04/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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

1021

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
4702047	NORTH. Sidewalk	C 1	1								8.3.17	310	✓	Chloride
1	WEST. Sidewalk	C 1	1								8.3.17	315	✓	
2	EAST. Sidewalk	C 1	1								8.3.17	320	✓	
3	SOUTH. Sidewalk	C 1	1								8.3.17	322	✓	
4	BOTTOM #1	C 1	1								8.3.17	330	✓	
5	BOTTOM #2	C 1	1								8.3.17	338	✓	

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Delivered By: (circle One)

UPS

Bus

Other

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From: Yu, Olivia, EMNRD
To: [Cliff Brunson](#); "[Shelly Tucker](#)"
Cc: "[Becky Haskell](#)"; "[Ken Swinney](#)"; "[Jennifer Gilkey](#)"; "[Kathy Purvis](#)"
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan
Date: Wednesday, June 28, 2017 10:01:40 AM
Attachments: [approved_RP4468_May2017_Delineation_Workplan_Branex_COG_Federal_#010.pdf](#)

Good morning Mr. Brunson:

NMOCD approves of the delineation and proposed remedial activity for 1RP-4468 with one condition: bottom and sidewall confirmation samples at 1.5 ft. bgs. If samples exceed permissible levels for chlorides (≤ 600 mg/kg), excavate to 2 ft. bgs. Please confirm.

Thanks,
Olivia

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Wednesday, June 7, 2017 2:07 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia and Shelly,

I was just following up on this plan submittal to see where it stood in your approval process.

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: cbrunson@bbcinternational.com



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From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, May 15, 2017 2:21 PM
To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>;
'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia,

Per your request, additional sample to 5 ft. bgs at SP1 and SP2 were collected on 4/26/17 and are included in the attached re-submittal of this delineation/remediation workplan. COG looks forward to receiving your approval to proceed with the proposed remediation.

Thanks, Cliff

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From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Wednesday, April 12, 2017 2:09 PM
To: Cliff Brunson <cbrunson@bbcinternational.com>; Shelly Tucker <stucker@blm.gov>
Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>;
Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Mr. Brunson:

NMOCD requests a laboratory-analyzed soil sample for chlorides at 5 ft. bgs at SP1 and SP2 to

complete vertical delineation for 1RP-4468. Please confirm.

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
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: Thursday, March 23, 2017 7:03 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Shelly Tucker <stucker@blm.gov>
Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the COG Branex COG Federal #010 (1RP-4468). COG is requesting that you review this plan and is looking forward to the OCD's and BLM's approval.

If you have any questions, please let me know.

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.
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From: Tucker, Shelly
To: [Yu, Olivia, EMNRD](#)
Cc: [Cliff Brunson](#); [Becky Haskell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#); [Arias, Arthur](#)
Subject: Re: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan
Date: Wednesday, June 28, 2017 12:07:57 PM

BLM concurs with NMOCD approval.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Wed, Jun 28, 2017 at 10:01 AM, Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us> wrote:

Good morning Mr. Brunson:

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Thanks,

Olivia

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Sent: Wednesday, June 7, 2017 2:07 PM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>

Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney'

<kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>;

'Kathy Purvis' <kathy@bbcinternational.com>

Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

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Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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Sent: Monday, May 15, 2017 2:21 PM
To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia,

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Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

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Sent: Wednesday, April 12, 2017 2:09 PM
To: Cliff Brunson <cbrunson@bbcinternational.com>; Shelly Tucker <stucker@blm.gov>
Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Mr. Brunson:

NMOCD requests a laboratory-analyzed soil sample for chlorides at 5 ft. bgs at SP1 and SP2 to complete vertical delineation for 1RP-4468. Please confirm.

Olivia Yu

Environmental Specialist

NMOCD, District I

Olivia.yu@state.nm.us

575-393-6161 x113

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From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]

Sent: Thursday, March 23, 2017 7:03 PM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Shelly Tucker <stucker@blm.gov>

Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>

Subject: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the COG Branex COG Federal #010 (1RP-4468). COG is requesting that you review this plan and is looking forward to the OCD's and BLM's approval.

If you have any questions, please let me know.

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: cbrunson@bbcinternational.com



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From: Cliff Brunson
To: "Yu, Olivia, EMNRD"; "Shelly Tucker"
Cc: "Becky Haskell"; "Ken Swinney"; "Jennifer Gilkey"; "Kathy Purvis"
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan
Date: Friday, June 30, 2017 12:08:20 PM

Olivia,

Thank you for your approval and this message is to confirm that COG accepts the condition for this approval.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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Hobbs, NM 88241-0805 USA
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From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]
Sent: Wednesday, June 28, 2017 10:01 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Good morning Mr. Brunson:

NMOCD approves of the delineation and proposed remedial activity for 1RP-4468 with one condition: bottom and sidewall confirmation samples at 1.5 ft. bgs. If samples exceed permissible levels for chlorides (≤ 600 mg/kg), excavate to 2 ft. bgs. Please confirm.

Thanks,

Olivia

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, June 7, 2017 2:07 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia and Shelly,

I was just following up on this plan submittal to see where it stood in your approval process.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, May 15, 2017 2:21 PM
To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>; 'Shelly Tucker' <stucker@blm.gov>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: RE: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

Olivia,

Per your request, additional sample to 5 ft. bgs at SP1 and SP2 were collected on 4/26/17 and are included in the attached re-submittal of this delineation/remediation workplan. COG looks forward

to receiving your approval to proceed with the proposed remediation.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
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Hobbs, NM 88241-0805 USA
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Subject: COG - Branex COG Federal #010 (1RP-4468) - Delineation Workplan

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If you have any questions, please let me know.

Thanks, Cliff

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