

RECEIVED

By JKeyes at 3:22 pm, Dec 08, 2015

Closure Report**APPROVED**

By JKeyes at 3:22 pm, Dec 08, 2015

Site Description

Site Name:	Macho Nacho 7 State SWD #001
Company:	COG Operating LLC
Legal Description:	U/L F, Section 7, T24S, R33E
County:	Lea County, NM
GPS Coordinates:	N 32.23615° W 103.61219°

Release Data

Date of Release:	11/02/2015
Type of Release:	Produced water
Source of Release:	3 rd party struck fiberglass flow line
Volume of Release:	20 bbls
Volume Recovered:	5 bbls

Remediation Specifications

Remediation Parameters:	Excavate 2 feet below ground surface in the area of SP1. Excavate to a depth of 1 foot in the areas of SP2, SP4, and SP5. Surface scrape the area around SP3. Backfill the site with clean soil.	
Remediation Activities:	11/23/2015 to 11/25/2015	
Plan Sent to OCD:	11/22/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	11/23/2015	Email from Jamie Keyes 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 11/12/2015
Final C-141	Signed 12/04/2015
Site Diagram	November 2015
Groundwater Plot	175'-200'
TOPO Maps	November 2015
Lab Summary	11/09/2015
Lab Analysis	11/09/2015
Correspondence	Request and approval of remediation plan via email

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.

12/08/2015

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: MACHO NACHO 7 STATE SWD #001	Facility Type: SWD	
Surface Owner: State	Mineral Owner:	API No. 30-025-42463

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	7	24S	33E	2000'	North	2200'	West	Lea

Latitude 32.234001151 Longitude -103.61263191

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 20 bbls	Volume Recovered: 5 bbls
Source of Release: Fiberglass Flowline	Date and Hour of Occurrence: 11/2/2015 1:30 pm	Date and Hour of Discovery: 11/2/2015 1:30 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.*

A crew with C3 Pipeline struck the fiberglass flowline while constructing another line. A vacuum truck was dispatched to recover standing fluid.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in the pasture to the east of the location along the road. Repairs were made to the line and it was put back into service. C3 Pipeline has taken responsibility for the clean-up and remediation. 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 Davis	Approved by Environmental Specialist: 	
Title: Senior Environmental Coordinator	Approval Date: 12/08/2015	Expiration Date: ///
E-mail Address: atrujillo@concho.com	Conditions of Approval: ///	Attached <input type="checkbox"/> IRP 3980
Date: 11/12/15 Phone: 575-748-6940		

* Attach Additional Sheets If Necessary

nJXK1531729159
pJXK1531729247

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State of New Mexico
Energy Minerals and Natural Resources

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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: MACHO NACHO 7 STATE SWD #001	Facility Type: SWD	
Surface Owner: State	Mineral Owner	API No. 30-025-42463

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	7	24S	33E	2000'	North	2200'	West	Lea County, NM

Latitude N 32.23615° Longitude W 103.61219°

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 20 bbls	Volume Recovered: 5 bbls
Source of Release: Fiberglass flow line	Date and Hour of Occurrence 11/2/2015 @ 1:30 pm	Date and Hour of Discovery 11/2/2015 @ 1:30 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A crew with C3 Pipeline struck the fiberglass flow line while constructing another line. A vacuum truck was dispatched to recover standing fluid.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in the pasture to the east of the location along the road. Repairs were made to the line and it was put back into service. C3 Pipeline has taken responsibility for the clean-up and remediation. The site was sampled and a remediation plan was created. Remediation was completed in accordance with the remediation plan approved by Jamie Keyes of NMOCD via email on 11/23/2015.

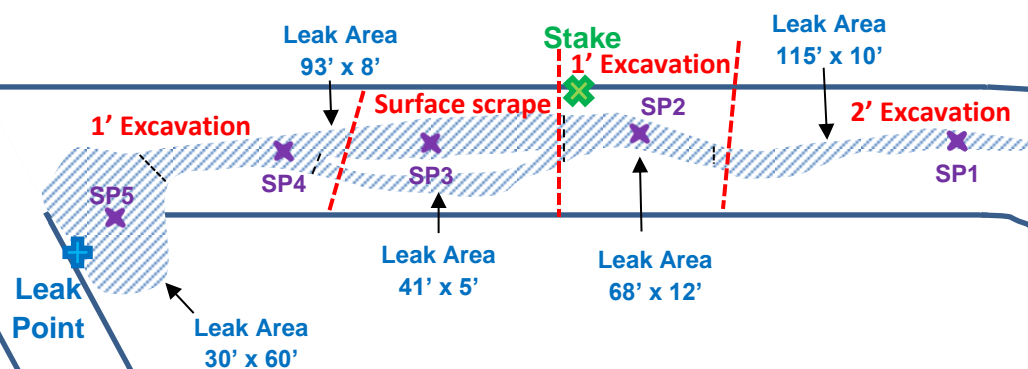
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: <u>Amanda T. Davis</u>		OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo Davis		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: <u>12/4/2015</u> Phone: 575-748-6940			

* Attach Additional Sheets If Necessary



C3 Pipeline Services
COG - Macho Nacho 7 State #1 SWD



NW ¼ , Section 7, T24S, R33E

Lea County, NM

N 32.23615° W 103.61219°

API# 30-025-42463

BBC International, Inc.

C3 Pipeline Services
Macho Nacho 7 State #1 SWD

Date: 11/13/2015	DRWG by: J. Gilkey
NOT TO SCALE	File: CONCHO 2015



Groundwater Plot

C3 Pipeline Services - COG Macho Nacho 7 St #1 SWD

County
Lea

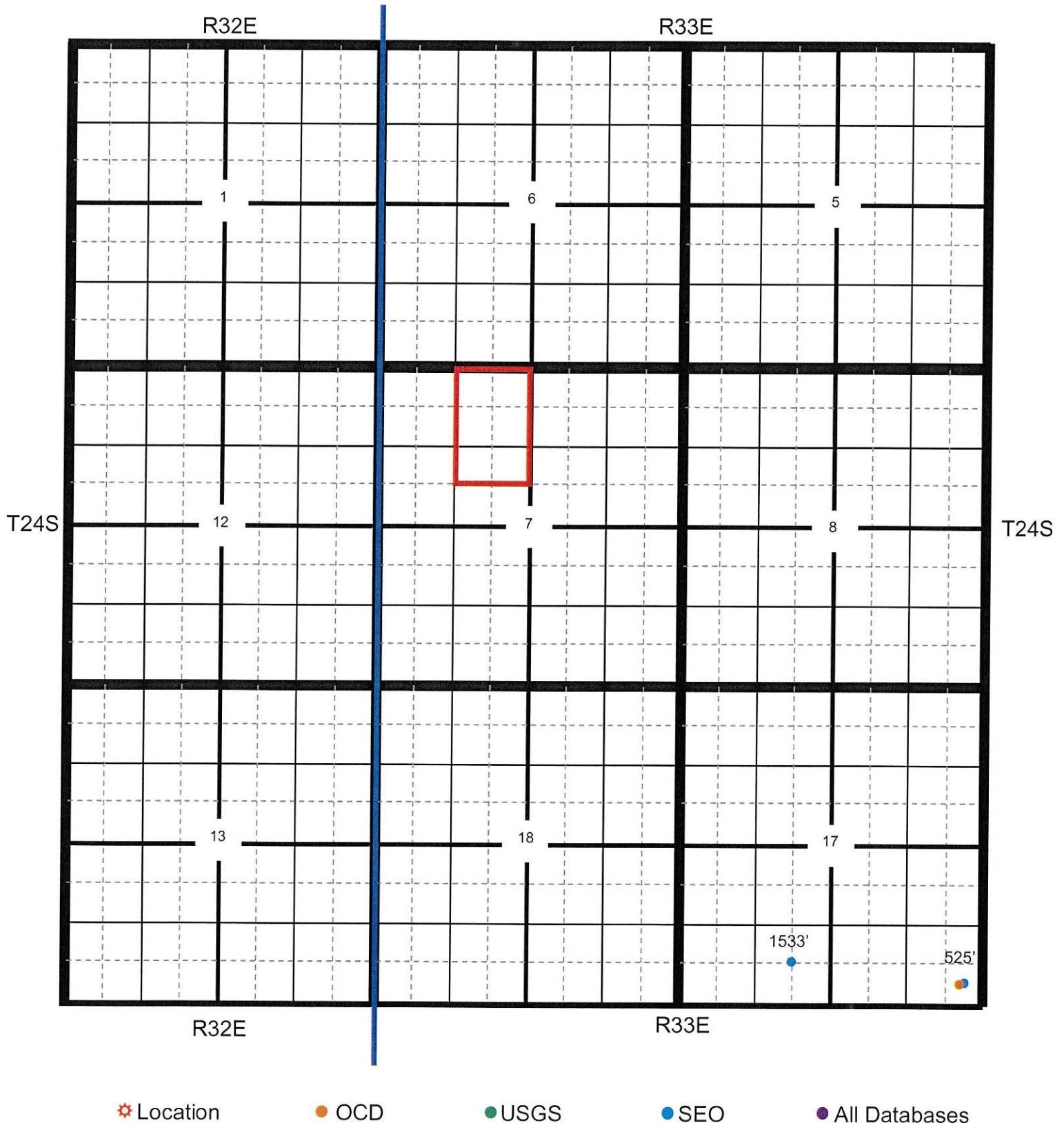
Unit Letter
NW 1/4

Section
7

Township
24S

Range
33E

Trend Map 175'-200'



Section Quarters
C3 Pipeline Services
COG Macho Nacho 7 St #1 SWD

County: Lea Unit Letter: NW 1/4 Section: 7 Township: 24S Range: 33E

Trend Map 175'–200'

1

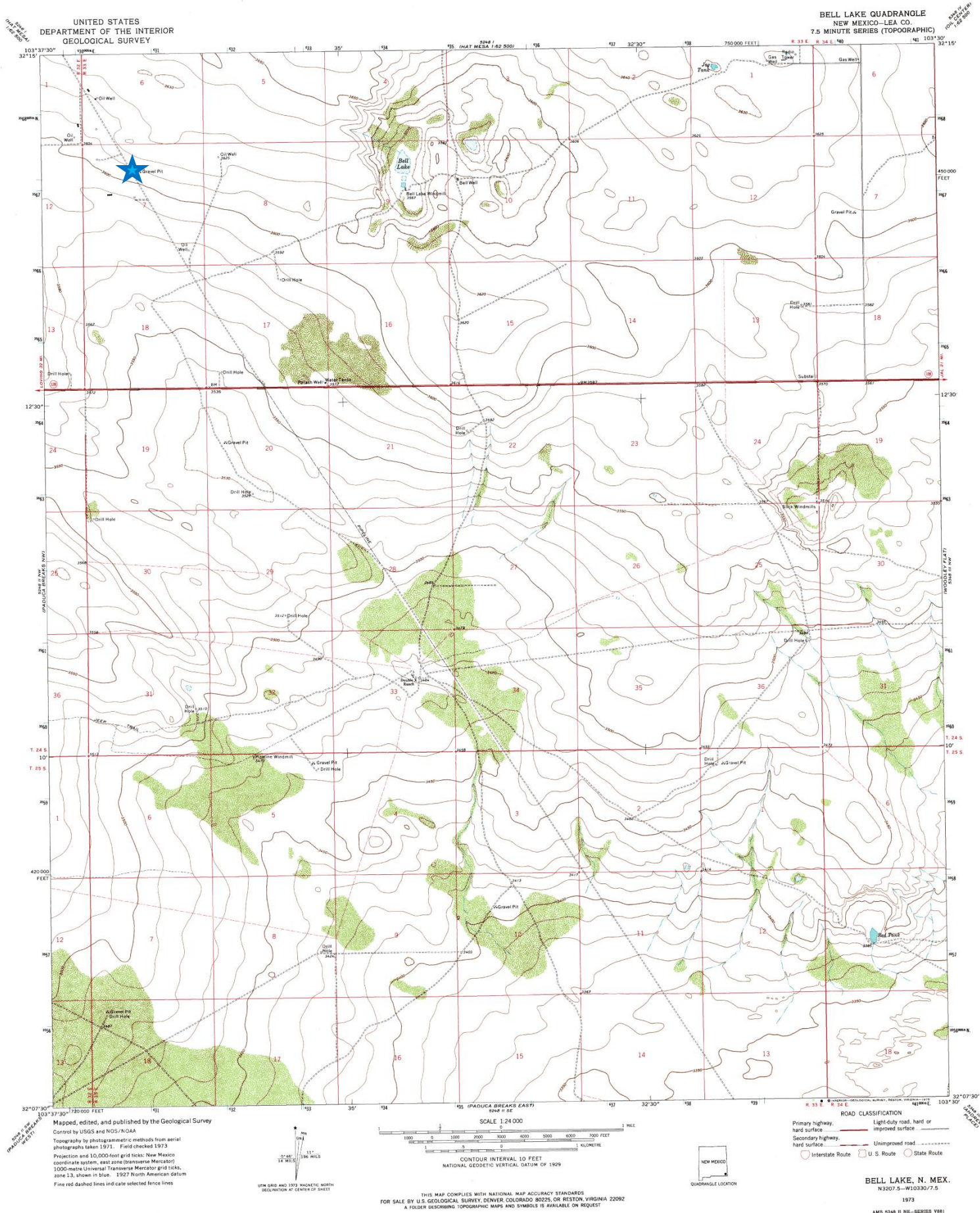
2

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

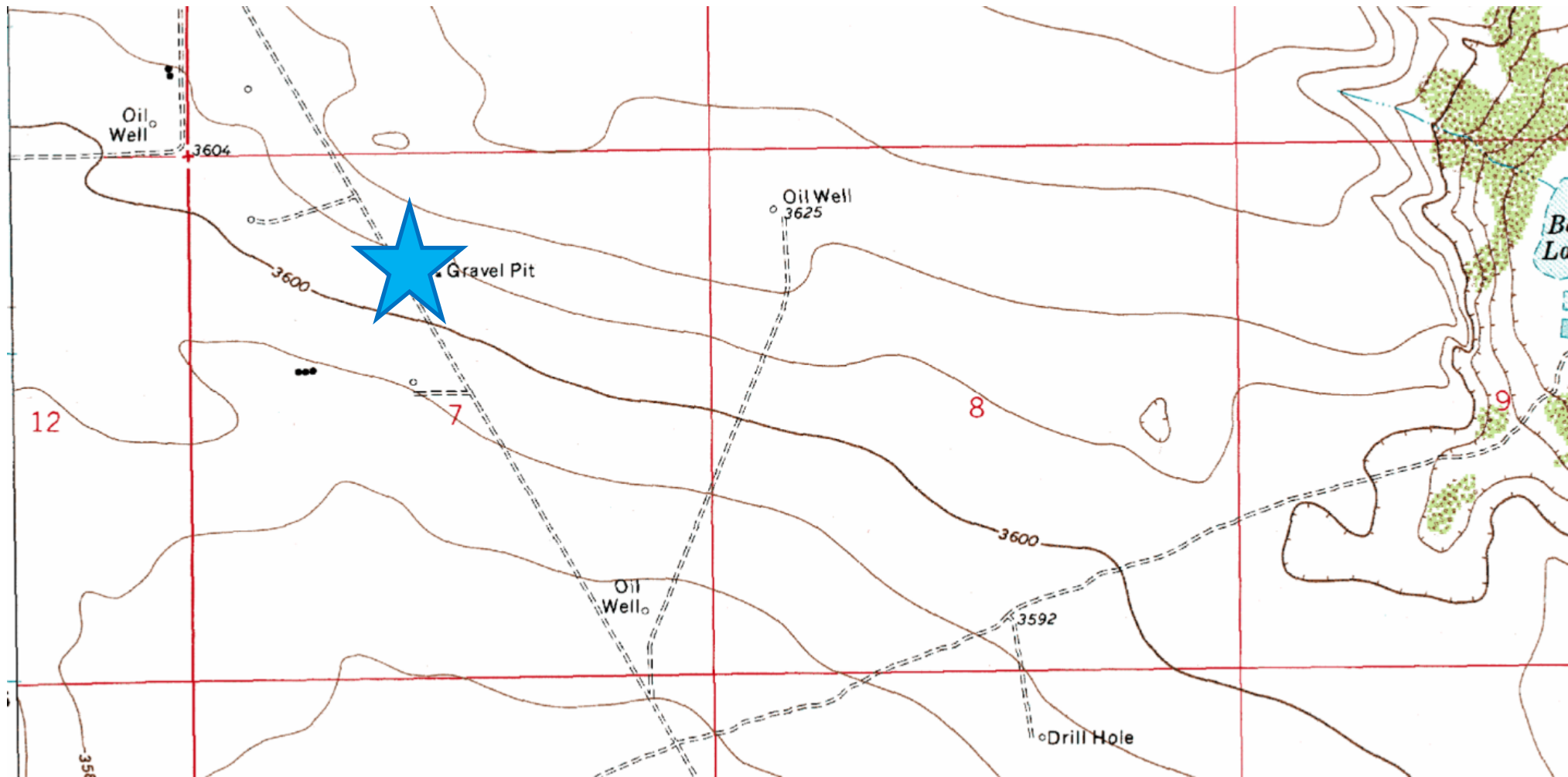
4

Macho Nacho 7 State #1 SWD



C3 Pipeline/Concho

Macho Nacho 7 State #1 SWD



**Laboratory Analytical Results Summary
Macho Nacho 7 State SWD #1**

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/9/15	11/9/15	11/9/15	11/9/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		352	1650	112	112

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	11/9/15	11/9/15	11/9/15	11/9/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		1520	352	112	176

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	11/9/15	11/9/15	11/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		80	272	128

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	11/9/15	11/9/15	11/9/15	11/9/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		752	272	112	64

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	11/9/15	11/9/15	11/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		4880	208	224



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

November 16, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MACHO NACHO 7 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 11/11/15 16:12.

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". 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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/16/2015	Sampling Type:	Soil
Project Name:	MACHO NACHO 7 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H502996-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 1 @ 2' (H502996-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 1 @ 3' (H502996-03)

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	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 1 @ 4' (H502996-04)

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	11/13/2015	ND	432	108	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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/16/2015	Sampling Type:	Soil
Project Name:	MACHO NACHO 7 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H502996-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 2 @ 2' (H502996-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/13/2015	ND	432	108	400	11.8	

Sample ID: SP 2 @ 3' (H502996-07)

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	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 2 @ 4' (H502996-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 3 @ 1' (H502996-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/13/2015	ND	432	108	400	11.8		

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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:	11/11/2015	Sampling Date:	11/09/2015
Reported:	11/16/2015	Sampling Type:	Soil
Project Name:	MACHO NACHO 7 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H502996-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 3 @ 3' (H502996-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/13/2015	ND	432	108	400	11.8	

Sample ID: SP 4 @ 1' (H502996-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 4 @ 2' (H502996-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/13/2015	ND	432	108	400	11.8	

Sample ID: SP 4 @ 3' (H502996-14)

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	11/13/2015	ND	432	108	400	11.8	

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Cliff Brunson
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Fax To: (575) 397-0397

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Reported:	11/16/2015	Sampling Type:	Soil
Project Name:	MACHO NACHO 7 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ 4' (H502996-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/13/2015	ND	432	108	400	11.8		

Sample ID: SP 5 @ 1' (H502996-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	11/13/2015	ND	432	108	400	7.69	

Sample ID: SP 5 @ 2' (H502996-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/13/2015	ND	432	108	400	7.69	

Sample ID: SP 5 @ 3' (H502996-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/13/2015	ND	432	108	400	7.69		

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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

Cardinal Laboratories

*=Accredited Analyte

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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

242

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Marcho Macho 7 State SWD # 1: 4" poly

Project Location:

Sampler Name: Jeff Gonzalez

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CHLORIDE

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

MATRIX

PRESERV

SAMPLING

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Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Yes

No

Add'l Fax #:

Yes

No

REMARKS:

Relinquished By:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Yes

No

Add'l Fax #:

Yes

No

REMARKS:

Delivered By: (Circle One)

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Yes

No

Add'l Fax #:

Yes

No

REMARKS:

Sampler - UPS - Bus - Other:

Date:

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Yes

No

Add'l Fax #:

Yes

No

REMARKS:

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

Kathy Purvis

From: Keyes, Jamie, EMNRD <Jamie.Keyes@state.nm.us>
Sent: Monday, November 23, 2015 7:31 AM
To: Cliff Brunson
Cc: Ken Swinney; Jennifer Gilkey; Kathy Purvis; Amanda Trujillo Davis ; Jones, Kellie, EMNRD
Subject: RE: C3 Pipeline Services COG Macho Nacho 7 State #1 SWD - Remediation Plan

Good morning,

The work plan is approved as is.

Thank you,

Jamie

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Sunday, November 22, 2015 5:30 PM
To: Jones, Kellie, EMNRD
Cc: Keyes, Jamie, EMNRD; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Amanda Trujillo Davis
Subject: C3 Pipeline Services COG Macho Nacho 7 State #1 SWD - Remediation Plan

Kellie,

This e-mail is to confirm our discussion concerning the remediation plan for the C3 Pipeline Services COG Macho Nacho 7 State #1 SWD. I have attached the information packet that we used in our discussion 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: cbrunson@bbcinternational.com

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