BLM Approval of Plan:

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 <sup>rd</sup> party struck fiberglass flow line
Volume of Release:	20 bbls
Volume Recovered:	5 bbls

Remediation Specifications								
RemediationExcavate 2 feet below ground surface in the area of SP1.Parameters: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 1	1/25/2015						
Plan Sent to OCD:	11/22/2015	Email from Cliff Brunson to Jamie Keyes						
OCD Approval of Plan:	OCD Approval of Plan: 11/23/2015 Email from Jamie Keyes to Cliff Brunson							
Plan Sent to BLM:	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						

n/a

## **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.

n/a

12/08/2015

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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.

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### **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	Telephone No. 432-230-0077			
Facility Name: MACHO NACHO 7 STATE SW	Facility Type: SWD			
Surface Owner: State	Mineral Owner		API No. 30-025-4	2463

#### 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

Source of Release:       Date and Hour of Occurrence:       Date and Hour of Discovery:         Fibreglass Flowline       I1/2/2015 1:30 pm       I1/2/2015 1:30 pm         Was Immediate Notice Given?       If YES, To Whom?       I1/2/2015 1:30 pm         By Whom?       Date and Hour of Occurrence:       I1/2/2015 1:30 pm         Was a Watercourse Reached?       If YES, Yolume Impacting the Watercourse.       If YES, Volume Impacting the Watercourse.         If a Watercourse was Impacted, Describe Fully.*       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 weill 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 areform corrective actions for releases which may endanger publich health or the environment. The acceptance of a C-14	Type of Release:	Volume of Release:	Volume Re	covered:
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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         Signature:       Approved by Environmental Specialist:         Printed Name: Amanda Trujillo Davis       Il///         Title: Senior Environmental Coordinator       Approval Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:         Date:       Il///12/15         Phone: 575-748-6940       ////	This release occurred in the posture to the east of the location along the r	and Papairs were made to the line and	d it was put ba	ak into service C3 Dipeline
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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         Signature:       Approved by Environmental Specialist:         Title: Senior Environmental Coordinator       Approval Date:         12/08/2015       Expiration Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:         Mtached       ///         Date:       11/12/15         Phone: 575-748-6940       ///	and we will present a remediation work plan to the removed for approva	i prior to any significant remediation	work.	
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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         Signature:       Janual Magnetic American State (Section Section				
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         Signature:       Approved by Environmental Specialist:         Printed Name: Amanda Trujillo Davis       Januelly         Title: Senior Environmental Coordinator       Approval Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:         Date:       11/12/15         Phone: 575-748-6940       ///				
federal, state, or local laws and/or regulations.       OIL CONSERVATION DIVISION         Signature:       Approved by Environmental Specialist:       Jamit May         Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist:       Jamit May         Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       Expiration Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached []       IRP 3980         * Attach Additional Sheets If Necessary       * Attach Additional Sheets If Necessary       ************************************				
Signature:       OIL CONSERVATION DIVISION         Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist:       Januklyy         Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       Expiration Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached IRP 3980         bate: 11/12/15       Phone: 575-748-6940       ///       IRP 3980		does not relieve the operator of respor	nsibility for con	npliance with any other
Signature:       Approved by Environmental Specialist:         Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist:         Title: Senior Environmental Coordinator       Approval Date:         12/08/2015       II//         E-mail Address: atrujillo@concho.com       Conditions of Approval:         Date:       11/12/15         Phone:       575-748-6940         * Attach Additional Sheets If Necessary	federal, state, or local laws and/or regulations.			
Signature:       Approved by Environmental Specialist:       Januklyu         Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist:       Januklyu         Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       III/         E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached       III/         Date:       11/12/15       Phone: 575-748-6940       III/       IRP 3980	1 20	<u>OIL CONSER</u>	VATION I	DIVISION
Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist:       //arrikkup         Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       Expiration Date:         E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached [IRP 3980]         bate: 11/12/15       Phone: 575-748-6940       ///       IRP 3980	Si A Trinjelle			
Printed Name: Amanda Trujillo Davis       Approved by Environmental Specialist.       ///         Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       ///         E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached       IRP 3980         bate: 11/12/15       Phone: 575-748-6940       ///       IRP 3980	Signature:		Jan &	lhaves
Title: Senior Environmental Coordinator       Approval Date:       12/08/2015       ///         E-mail Address: <a href="mailto:atrujillo@concho.com">atrujillo@concho.com</a> Conditions of Approval:       Attached []         Date:       11/12/15       Phone:       575-748-6940       ///       IRP 3980	Printed Name: Amanda Truiillo Davis	Approved by Environmental Special	ist:	
Title: Senior Environmental Coordinator       Approval Date:       12/08/2013       Expiration Date:         E-mail Address: <a href="mailto:atrujillo@concho.com">atrujillo@concho.com</a> Conditions of Approval:       Attached         Date:       11/12/15       Phone:       575-748-6940       ///       IRP 3980         * Attach Additional Sheets If Necessary       * Attached       Integration       Integration	rimeu Ivanie. Amanua Irujino Davis			111
E-mail Address: atrujillo@concho.com       Conditions of Approval:       Attached         Date: 11/12/15       Phone: 575-748-6940       ///       IRP 3980         * Attach Additional Sheets If Necessary       * Attached       IRP 3980	Title: Senior Environmental Coordinator	Approval Date: 12/08/2015	Expiration D	
Date:     11/12/15     Phone:     575-748-6940     ///     Attached     IRP 3980       * Attach     Additional Sheets If Necessary     ///     IRP 3980     ///		Approval Date.		uic.
Date:     11/12/15     Phone:     575-748-6940     ///     Attached     IRP 3980       * Attach     Additional Sheets If Necessary     ///     IRP 3980     ///	E-mail Address: atruiillo@concho.com	Conditions of Approval.		
Date: 11/12/15 Phone: 5/5-/48-6940				
* Attach Additional Sheets If Necessary	Date: 11/12/15 Phone: 575-748-6940	///		1RP 3980
n IXK 1531720150	* Attach Additional Sheets If Necessary			NUL 1 221 22 01 20

District IV 1220 South 1220 South			ervation Division th St. Francis Dr. Fe, NM 87505			trict Office in 15.29 NMAC.						
			Rele	ease Notific				ction				
						OPERA			🗌 Initia	al Report		Final Report
Name of Co	mpany:	COG Operat	ing LLC	······································			obert McNeill					
				nd TX 79701			No. 432-230-00	)77				
Facility Na	me: MAC	HO NACHO	7 STAT	'E SWD #001		Facility Typ	e: SWD					
Surface Ow	mer: State			Mineral C	Dwner				API No	. 30-025-4	12463	
				LOCA	<b>ATIO</b>	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/W	est Line	County		
F	7	245	33E	2000'		North	2200'	W	/est	Lea Count	ty, NM	
	1		Ī	atitude N 32.2	:3615°	Longitu	de W 103.6121	9°		<u> </u>		
						OFREL	EASE	_				
Type of Rele	ase: Produ	iced water			UNE		Release: 20 bbl	s	Volume F	Recovered:	5 bbls	
Source of Re	lease: Fib	erglass flow li	ne				lour of Occurrence	ce		Hour of Dis		
Was Immedi	ate Notice (	Given?				If YES, To	@ 1:30 pm Whom?		11/2/2013	5 @ 1:30 pm	1	
			Yes 🗵	🛛 No 🔲 Not Re	equired							
By Whom?						Date and H						
Was a Water	course Read		Yes 🗌	No		If YES, Volume Impacting the Watercourse.						
If a Waterman		pacted, Descr	_	-								
		em and Reme		n Taken.* ow line while con:	structin	g another line.	A vacuum truck	c was disj	patched to	recover star	nding f	luid.
Describe Are	a Affected	and Cleanup A	Action Tal	ken.*								
This release of has taken res accordance w	occurred in ponsibility vith the rem	the pasture to for the clean-u ediation plan	the east o ip and rem approved	f the location alor rediation. The sit by Jamie Keyes o	e was s f NMO	ampled and a r CD via email	remediation plan on 11/23/2015.	was creat	ted. Reme	diation was	compl	eted in
regulations a public health should their o or the environ	Il operators or the environment operations h nment. In a	are required to ronment. The ave failed to a	o report ar acceptanc idequately )CD accep	is true and comp ad/or file certain r te of a C-141 repo- investigate and r tance of a C-141	elease i ort by th cemedia	notifications and ne NMOCD m te contaminati	nd perform correc arked as "Final R on that pose a thr e the operator of	ctive action report do de	ons for rele bes not reli- bund water bility for c	eases which ieve the oper r, surface wa ompliance w	may er rator of iter, hu vith any	ndanger Fliability man health
Signature: 🤇	Ama	de T.	Dau	is			OIL CON			DIVISIO	<u>DN</u>	
Printed Name	e: Amanda	Trujillo Davis	5			Approved by	Environmental S	pecialist:				
Title: Senior	Environme	ntal Coordina	itor			Approval Dat	e:	E	xpiration	Date:		
	ess: atrujille 1412(	o@concho.com		575-748-6940		Conditions of	Approval:			Attached		

Date: 2142015 If Necessary





**Groundwater Plot** 

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





Section Quarters

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



# C3 Pipeline/Concho

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	SM4500CI-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	SM4500CI-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	SM4500CI-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	SM4500CI-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	SM4500CI-B		4880	208	224



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



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, SM4500Cl-B	hloride, SM4500Cl-B mg/kg			d 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	Analyze	d 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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	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	Analyze	d 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	Analyze	d 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	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	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	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 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	Analyze	d 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	Analyze	d 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	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240		et a
Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
	P.O. #:	
ω	Company: BBC Int.	
bbs State: NM Zip:	88241 Attn:	
e#: 575-397-6388 Fax #: 575-		
	Popline Soluce City:	
Project Name: Macho Macho 7 State Sive	2-# 1.9"poly	
Project Location:	Phone #:	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	tten changes to 505-393-2476	

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be for incidental or consequential be be for incidental or consequential damages, includin be and to the performance of services hereunder by Time: Date: 10/10/10/11 Time: 10/10/10/11 Time: 11/11/11 Time: 11/11/11 Time: 11/11/11 Time: 11/11/11 Time: 11/11/11	PEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive memory for any claim arising whether based in contract or tort, shall be limited to the anount paid by the client for the	COURSE CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	P.O. #: Company:	101 East Marland. Hobbs, NM 88240
			ANALYSIS REQUEST	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-398-2476

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#### **Kathy Purvis**

From:	Keyes, Jamie, EMNRD <jamie.keyes@state.nm.us></jamie.keyes@state.nm.us>
Sent:	Monday, November 23, 2015 7:31 AM
То:	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: <u>cbrunson@bbcinternational.com</u>

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