WORLD-WIDE ENVIRONMENTAL SPECIALISTS



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 JKeyes at 7:30 am, Nov 23, 2015

C3 PIPELINE SERVICES COG – MACHO NACHO 7 STATE #1 OND

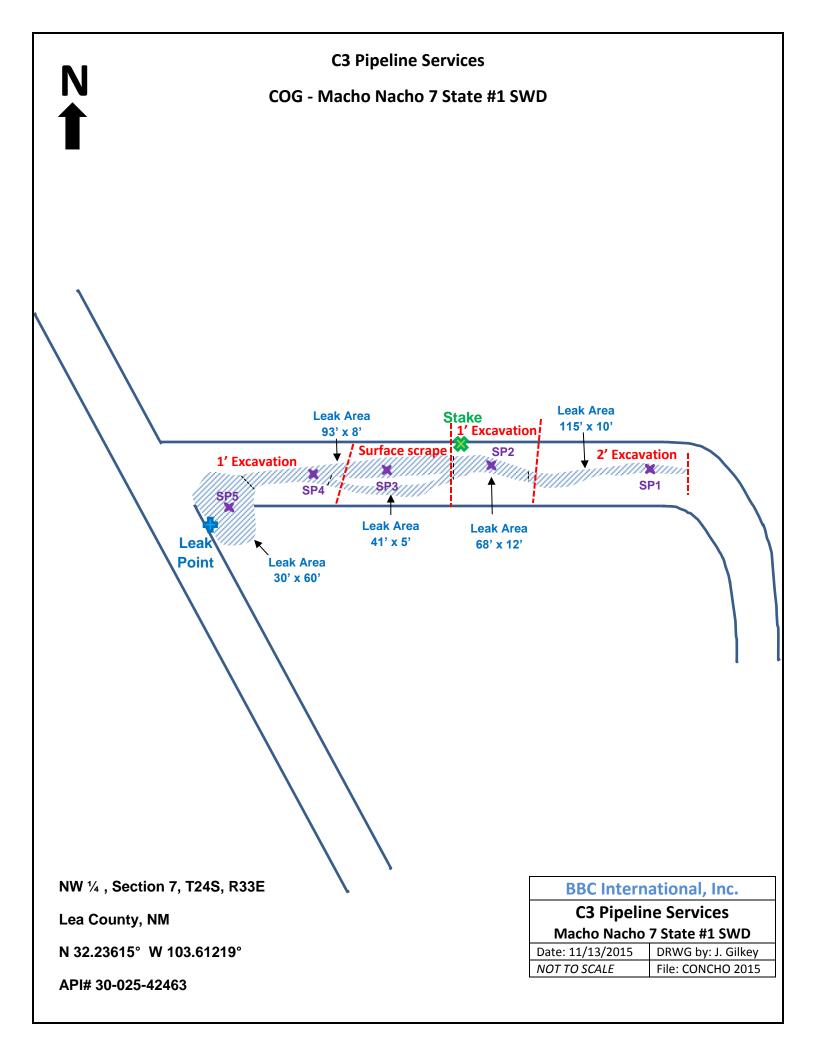
APPROVED

By JKeyes at 7:30 am, Nov 23, 2015

REMEDIATION PLAN

C3 Pipeline Services will excavate the spill area as depicted on the following site diagram. The spill area covering SP1 will be excavated to a depth of 2 feet. The area covering SP2 will be excavated to a depth of 1 foot. The area covering SP3 will be surface scraped and the area covering SP4 and SP5 will be excavated to a depth of 1 foot. The site will be backfilled with clean soil.

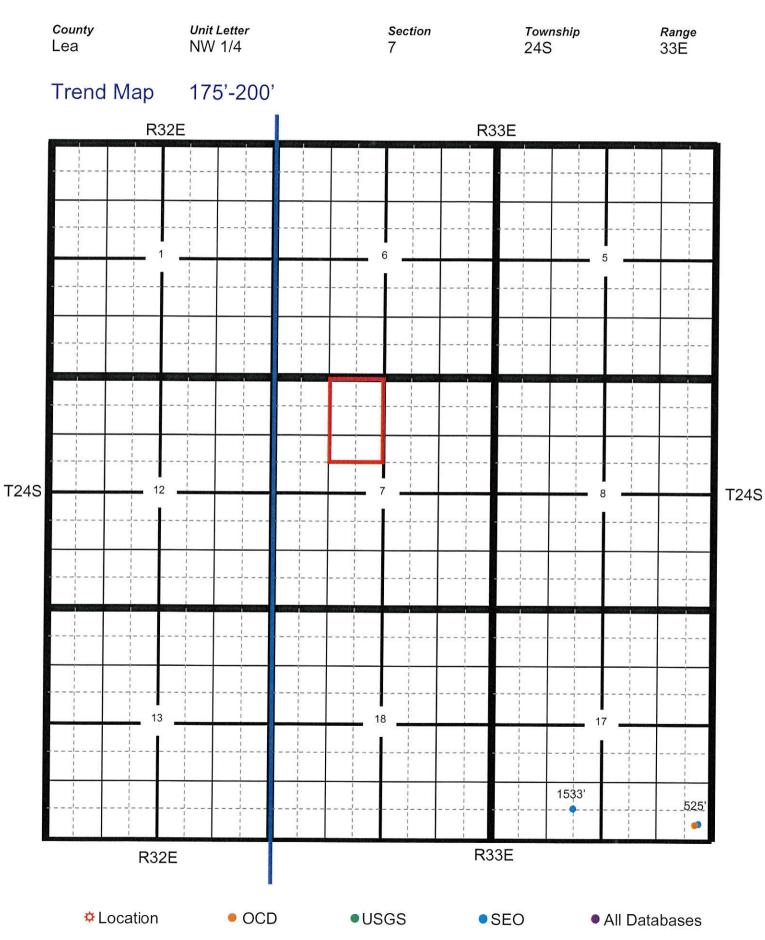
All excavated materials will be disposed of at an NMOCD-approved disposal facility.





Groundwater Plot

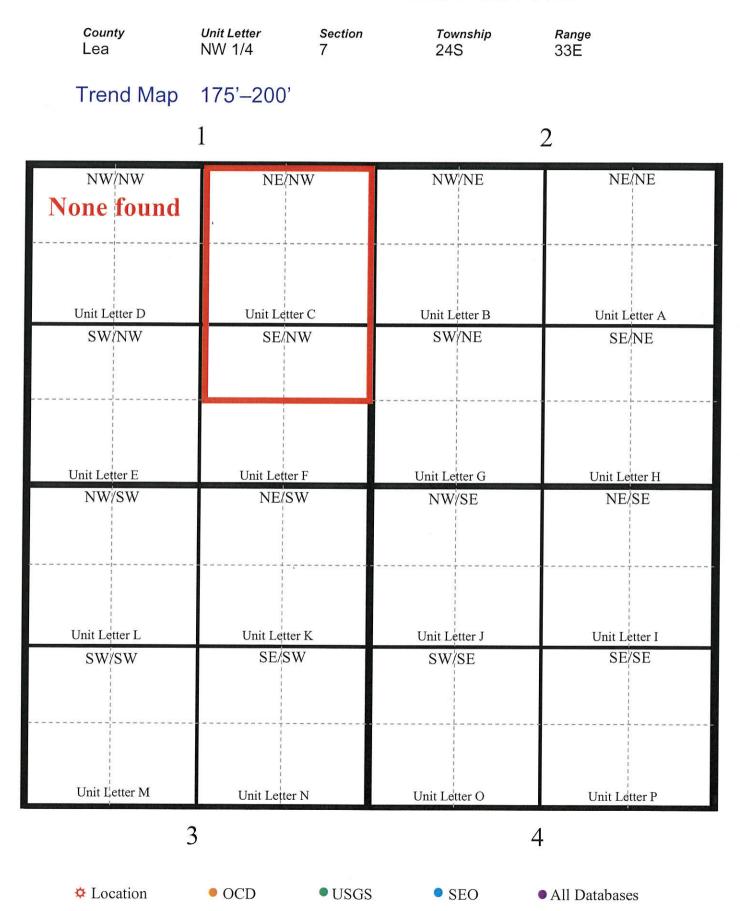
C3 Pipeline Services - COG Macho Nacho 7 St #1 SWD





Section Quarters

C3 Pipeline Services COG Macho Nacho 7 St #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	11/6/15	11/6/15	11/6/15
			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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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	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 1 @ 2' (H502996-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	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	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	

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	d 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	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 2 @ 4' (H502996-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	

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*=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	Analyze	d 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	d 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	Analyze	d 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	Analyze	d 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	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	

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*=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	Analyze	d 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:						
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	Analyze	d 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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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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240		for
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-		
Project #: Project Owner: C3	Popline Serve City:	
Project Name: Macho Macho 7 State Sive	2-# 1.9"poly	
Project Location:	Phone #:	
Sampler Name: Teff ORNELAS	Fax #:	
	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	: ASE: DOL	
# CON		
1 50101' 61	V	
2 2 61	V 0 11:09-15 9:15 V	
2 3	1 1.011 4.31	
1 2 1 2 1 2 1	1 22 UI M-U/ 11 / 1	
19 20 10 21	1 07 01 10 11 10 56 V	
1 3'	V 11-04'15 11-26 V	
1 7 A	1 0 11.00 x 11-50 0	
9 Sp3 e1. 61	1/2 021 416.11 10	
Damages, Cardinal's liability and client's exclusive remedy for any claim arisi	whether based in contract or fort, shall be limited to the amount paid by the client for the	
induity and participes, calculate induity and create ms including those for negligence and any other caus ent shall/Cardinal be liable for incidental or consequel	sut	
affiales or successors dising out of or velated to the performance of services hereunder by Cardinal, regardless of white Relinquished by: // Datey, // Received By:	ether such claim is based upon any of the above stated reasons or otherwise. Phone Result:	O No
Time 800 and	OF WRANNOUT REMARKS:	Yes I No
Relinguished By: Noch Heavinde 2 Time: 12 N	Mula Jurcia	
	e c	
Sampler - UPS - Bus - Other: #54 . 80		
† 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: 11/12/12 Time: 11/12/11 Time: 11/12/12/12 Time: 11/12/12 Time: 11/12/12 Time: 11/12/12 Time: 11/12/12 Time: 11/12/12/12 Time: 11/12/12 Time: 11/12/12 Time: 11/12/12/12 Time: 11/12/12/12 Time: 11/12/12/12 Time: 11/12/12/12 Time: 11/12/12/12 Time: 11/12/12/12/12 Time: 11/12/12/12/12/12 Time: 11/12/12/12/12/12/12/12/12/12/12/12/12/1	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	COURDENT 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

Page 8 of 8

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	Telephone No. 432-230-0077			
Facility Name: MACHO NACHO 7 STATE	Facility Type: SWD			
Surface Owner: State	Mineral Owne	or:	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

Type of Release:	Volume of Release:	Volume Re	covered:
Produced Water	20 bbls	5 bbls	
Source of Release:	Date and Hour of Occurrence:	Date and H	our of Discovery:
Fiberglass Flowline	11/2/2015 1:30 pm	11/2/2015 1	1:30 pm
Was Immediate Notice Given?	If YES, To Whom?		
🗌 Yes 🗌 No 🖾 Not Required	1		
By Whom?	Date and Hour:		
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.	
🗌 Yes 🖾 No			
If a Watercourse was Impacted, Describe Fully.*			
n a watercourse was impacted, Describe Funy.			
Describe Cause of Problem and Remedial Action Taken.*			
A crew with C3 Pipeline struck the fiberglass flowline while constructing	ng another line. A vacuum truck was d	ispatched to rea	cover standing fluid.
Describe Area Affected and Cleanup Action Taken.*			
This release occurred in the pasture to the east of the location along the r			
has taken responsibility for the clean-up and remediation. Concho will have and we will present a remediation work plan to the NMOCD for approva			ontamination from the release
and we will present a remediation work plan to the NNOCD for approva	a prior to any significant remediation	WOIK.	
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	tand that pursua	ant to NMOCD rules and
regulations all operators are required to report and/or file certain release			
public health or the environment. The acceptance of a C-141 report by the			
should their operations have failed to adequately investigate and remedia	ate 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 respon	nsibility for con	npliance with any other
federal, state, or local laws and/or regulations.			
1 21	<u>OIL CONSER</u>	VATION I	<u>DIVISION</u>
- Trijlle			
Signature:			
Drinted Marray, Amerada Tarilla Davia	Approved by Environmental Special	ist:	
Printed Name: Amanda Trujillo Davis			
Title: Senior Environmental Coordinator	Approval Date:	Expiration D	ata
	Approval Date:	Expiration Da	arc.
E-mail Address: atrujillo@concho.com	Conditions of Approval:		_
	conditions of Approval.		Attached
Date: 11/12/15 Phone: 575-748-6940			

* Attach Additional Sheets If Necessary