Closure Report

	Site Description
Site Name:	West Pearl 36 State Com #004H
Company:	COG Operating LLC
Legal Description:	U/L O, Section 25, T19S, R34E
County:	Lea County, NM
GPS Coordinates:	N 32.62394° W 103.51313°

	Release Data
Date of Release:	09/08/2016
Type of Release:	Oil
Source of Release:	Dump valve failure on flare
Volume of Release:	10 bbls
Volume Recovered:	0 bbls

Remediation Specifications									
Remediation Parameters: Excavate to a depth of 6 inches across the entire leak site. Back the site with clean soil.									
Remediation Activities:	11/22/2016 to 1	1/28/2016							
Plan Sent to OCD:	11/04/2016	Email from Cliff Brunson to Kristen Lynch							
OCD Approval of Plan:	11/10/2016	Email from Kristen Lynch 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 09/09/2016
Final C-141	Signed 11/30/2016
Site Diagram	October 2016
Groundwater Plot	75'-100'
TOPO Maps	October 2016
Lab Summary	10/04/2016
Lab Analysis	10/04/2016
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.

12/01/2016

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Name of Company: COG Operating LLC						OPERA'	ΓOR	Σ] Initia	al Report		Final Report
Facility Name: WEST PEARL 36 STATE COM #004H Facility Type: Flare Surface Owner: State Mineral Owner: API No. 30-025-42146 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the 250 South South Line Feet from the East/West Line County Latitude 32.6248387259106 Longitude 103.512415383595 NATURE OF RELEASE Oil Volume of Release: Oil Obles Obles Obles Source of Release: Oil Volume of Release: Oil Obles Obles Obles Was Immediate Notice Given? If Yes No Not Required By Whon? Obts and Hour: Obs. and Hour of Discovery. Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. Was Immediate Notice Given? If YES, Volume Impacting the Watercourse. By Was a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Aution Taken.* This release was caused by dump valve that failed on a flare. Replace faulty dump valves. Describe Area Affected and Cleanup Action Taken.* This release occurred due to a flare failure in the pasture. All free fluids were burnt up in the fire. Concho will have the spill site sampled to defineate 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 work. Thereby 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 operations are required to report and/or file certain release notifications and perform convexive actions for releases which may endanger public health or the environment. The acceptance of a C-141 report does not relieve the period one son relieve which may endanger public health or the environment. MMOCD acceptance of a C-141 report does not relieve the period one son relieve the surface which may endanger to the environment. MMOCD acceptance of a C-141 report does not relieve the period of responsibility for co								Robe	rt McNe	eill		
Surface Owner: State Mineral Owner: API No. 30-025-42146 LOCATION OF RELEASE Location Township Range 198 34E 250" South 10E Pect from the 2180" East West Line County	Address: 60							432-0	583-744	3		
LOCATION OF RELEASE Section Township Range 34E Section South South Feet from the East Country Lea	Facility Name:	WEST PEA	RL 36 STA	ГЕ СОМ #004H		Facility Typ	e:		Flare			
County O 25 198 34E Feet from the North/South Line Feet from the East Line County	Surface Owner	Sta	e	Mineral O	wner:				API No	. 30-0	25-42	146
Latitude 32.6248387259106 Longitude 103.512415383595												
Condition of Approval: Conditions of C												
Type of Release: Oil Volume of Release: 10bbls 10b			Latitue	ie 32.624838725	9106	Longi	tude 103.51241					
Type of Release: Oil Volume of Release: 10bbls 10b				NATI	URE	_						
Source of Release: Flare	Type of Release:				************		With the transfer of the trans	7.	Volume	Recovered	<u> </u>	
Was Immediate Notice Given? Yes No Not Required If YES, To Whom? 1f YES, To Whom? 1f YES, To Whom? 1f YES, To Whom? Date and Hour: Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. If YES, Volume Impacting the Watercourse If YE	G CD 1		Oil									
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Date: September 9, 2016 Phone: 432-683-7443	Title:	Senior Envi	onmental Coc	ordinator	A	pproval Date	2	Exp	iration D	ate:		
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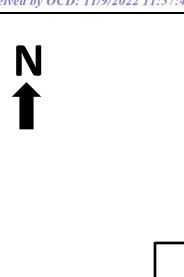
State of New Mexico **Energy Minerals and Natural Resources**

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141 Revised August 8, 2011

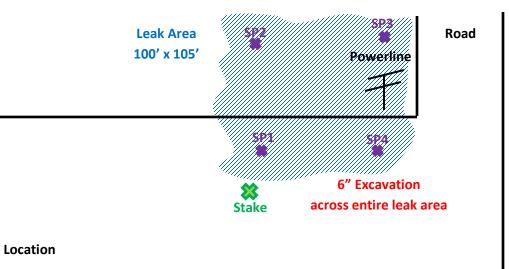
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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Facility Nan					$\overline{}$	Facility Typ						
Surface Own	ner: State			Mineral O	wner:				API No.	30-025-4	2146	
				LOCA	TION	OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/\	West Line	County		
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			1	_atitude <u>N 32.62</u>	2483°	Longitu	de <u>W 103.5124</u>	<u>1º</u>				
				NAT	URE	OF RELI	EASE					
Type of Relea							Release: 10 bbls			ecovered: C		
Source of Rel	lease: Dum	p valve failur	e on flare				our of Occurrence @ 4:00 pm	e		Hour of Disc 6 @ 4:00 pr		
Was Immedia	ite Notice C		_			If YES, To			1 03/08/201	0 (a) 4,00 pr		
			Yes [No 🛛 Not Re	quired							
By Whom? Was a Watero		hado				Date and H	our: lume Impacting t	ho Wat				
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Describe Are	a Affected	and Cleanup A	Action Tal	en.*								
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				ordance with the r								
I herehy certi	fy that the i	nformation g	iven above	is true and compl	ete to th	ne hest of my	knowledge and w	ndersta	nd that nure	uant to NM()(LD =	iles and
regulations al	loperators	are required t	o report a	nd/or file certain re	elease no	otifications a	nd perform correc	tive act	tions for rele	ases which	may en	ndanger
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federal, state,	or local la	ws and/or regi	ılations.									
				,			OIL CONS	SER V	ATION	DIVISIO	N	
Signature:	TZa	but M	<u>//</u>						Ashl	ley Ma	Kw	ell 👸
Printed Name	: Robert C	irubbs Jr				Approved by	Environmental Sp	pecialis	st:	<i>F</i>		
Title: Senior	Environme	ental Coordina	itor			Approval Dat	e: 11/9/2022	2	Expiration I	Date:		7202
E-mail Addre	ess: rgrubb	s@concho.co	m			Conditions of	Approval:			Attached		Released to Imaging: 11/9/2022 12:03:10 PM
Date: No	vember 30,	2016	PI	none: (432) 683-7	143					Trittaellea		011
Attach Addi				(102) 665-7-								
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COG

West Pearl 36 State Com #004H (9/8/16)



Powerline

U/L O, Section 25, T19S, R34E

Lea County, NM

N 32.62394° W 103.51313°

API# 30-025-42146

COG
West Pearl 36 State Com #004H
Pate: 10/03/2016 DRWG by: K. Purvis

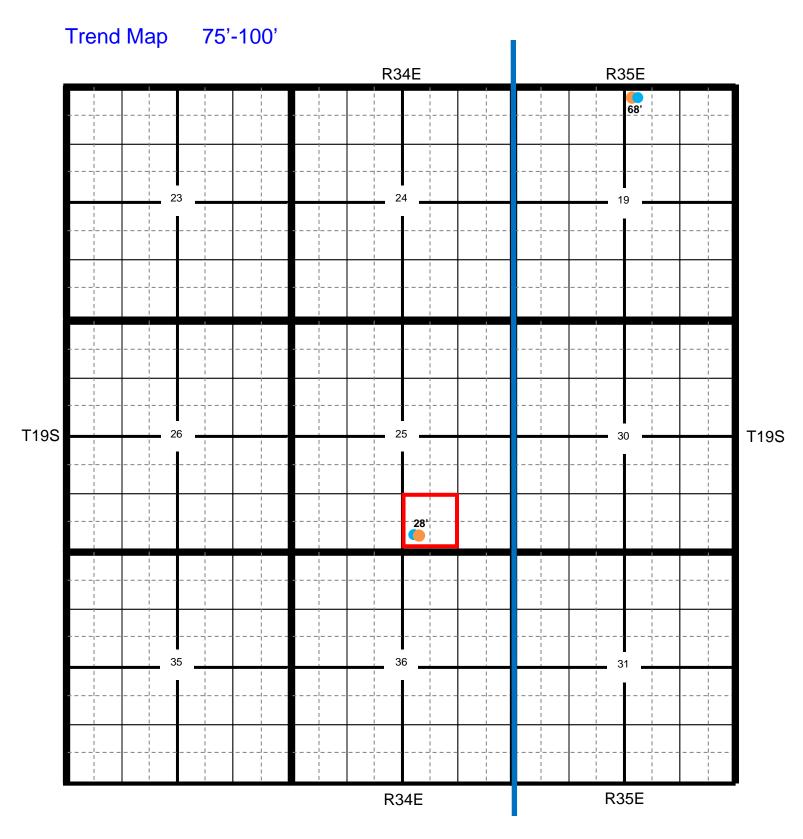
 Date: 10/03/2016
 DRWG by: K. Purvis

 NOT TO SCALE
 File: COG 2016

Groundwater Plot

COG West Pearl State Com #004H

CountyUnit LetterSectionTownshipRangeLeaO2519S34E



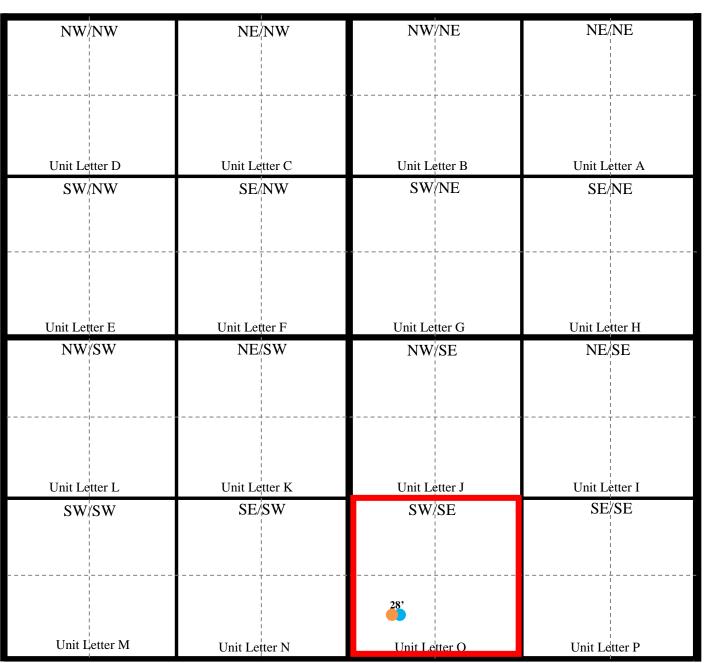
Section Quarters

COG West Pearl 36 State Com #004H

CountyUnit LetterSectionTownshipRangeLeaO2519S34E

Trend Map 75'-100'

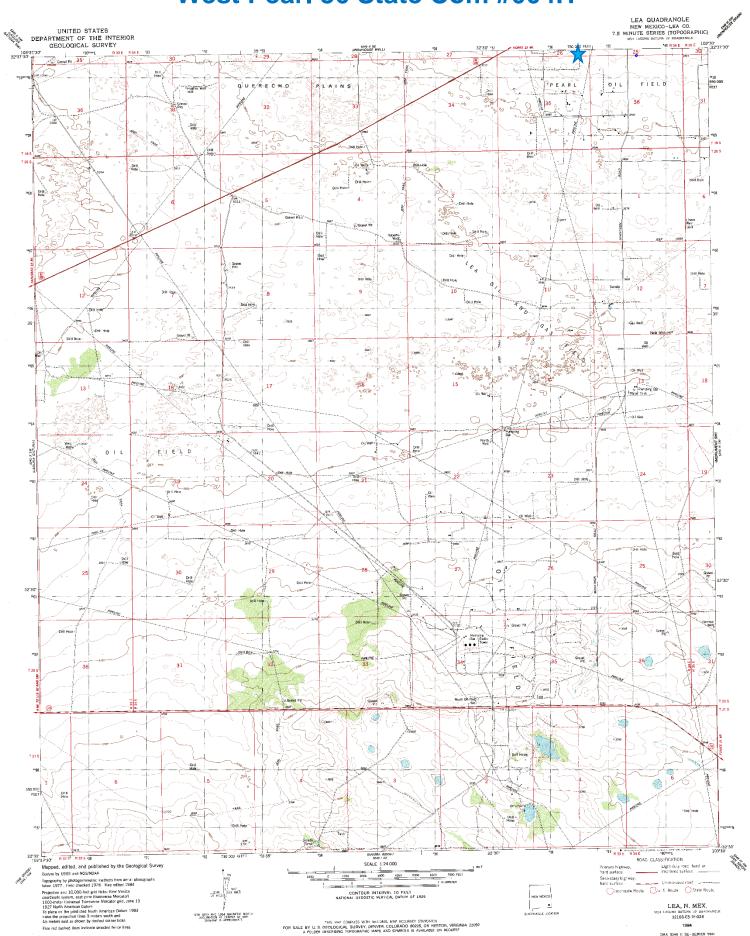
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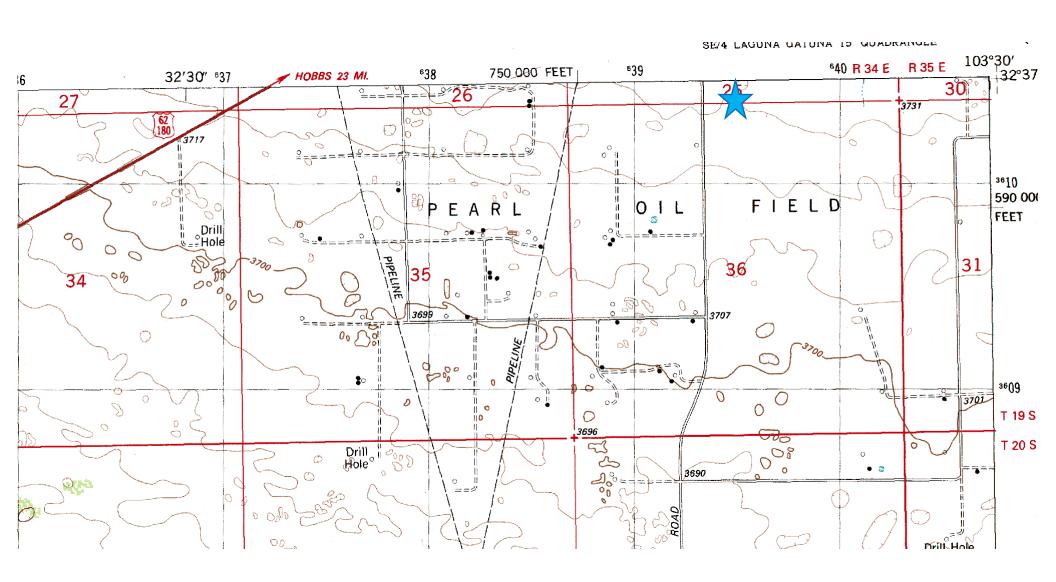
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COG

West Pearl 36 State Com #004H



COG West Pearl 36 State Com #004H



Laboratory Analytical Results Summary West Pearl 36 State Com #004H

		Sample	SP1 @ SURFACE	SP1 @ 1'
Analyte	Method	Date	10/4/16	10/4/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		0.128	< 0.050
Ethylbenzene	BTEX 8021B		0.05	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		11800	66.8

		Sample	SP2 @ SURFACE	SP2 @ 1'
Analyte	Method	Date	10/4/16	10/4/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		0.086	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'
Analyte	Method	Date	10/4/16	10/4/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		46.5	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	10/4/16	10/4/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		0.146	< 0.050
Ethylbenzene	BTEX 8021B		0.053	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		35500	53.5



October 11, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST PEARL 36 STATE COM #004H

Enclosed are the results of analyses for samples received by the laboratory on 10/06/16 14:35.

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/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)

Celey D. Keine

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: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 1 @ SURFACE (H602257-01)

DTEV 0021D

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	0.128	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 73.6-14	0						
TPH 8015M	mg,	'kg	Analyze	Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	11800	100	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	97.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	517	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 1 @ 1' (H602257-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	<0.050	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	66.8	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	89.6	% 35-147	,						
Surrogate: 1-Chlorooctadecane	100	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 2 @ SURFACE (H602257-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	0.086	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	<10.0	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	85.0	% 35-147							
Surrogate: 1-Chlorooctadecane	90.2	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 2 @ 1' (H602257-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	<0.050	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	<10.0	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	92.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	86.1	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 3 @ SURFACE (H602257-05)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	<0.050	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.6-14	0						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	46.5	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	90.8	% 35-147	,						
Surrogate: 1-Chlorooctadecane	87.4	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 3 @ 1' (H602257-06)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	<0.050	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.6-140	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	<10.0	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	87.4	% 35-147							
Surrogate: 1-Chlorooctadecane	92.3	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 4 @ SURFACE (H602257-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	0.146	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	0.053	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	35500	50.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	76.2	% 35-147							
Surrogate: 1-Chlorooctadecane	5250	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 10/06/2016 Sampling Date: 10/04/2016

Reported: 10/11/2016 Sampling Type: Soil

Project Name: WEST PEARL 36 STATE COM #004H Sampling Condition: Cool & Intact
Project Number: COG Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP 4 @ 1' (H602257-08)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2016	ND	2.19	109	2.00	0.609	
Toluene*	<0.050	0.050	10/11/2016	ND	2.24	112	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/11/2016	ND	2.18	109	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/11/2016	ND	6.58	110	6.00	1.07	
Total BTEX	<0.300	0.300	10/11/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.6-14	0						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/08/2016	ND	185	92.3	200	5.29	
DRO >C10-C28	53.5	10.0	10/08/2016	ND	199	99.4	200	0.107	
Surrogate: 1-Chlorooctane	85.6	% 35-147	,						
Surrogate: 1-Chlorooctadecane	97.1	% 28-171							

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Celey D. Keene



Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. 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. Keine

SP4 @ SURFACE

<

10/4/16

12:45 P[M

10/4/16

1:20 PM

SP4 @ 1'

10/1/10/16

paid by the client for the

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

City: Hobbs Address: P.O. Box 805 Project Manager: Cliff Brunson Project Name: West Pearl 36 State Com #004H Phone #: 575-397-6388 Company Name: BBC International, Inc. Project Location: H602751 Sampler Name: FOR LAB USE ONLY Lab I.D. SP2 @ 1' SP2 @ SURFACE SP1 @ 1' SP3 @ 1' SP3 @ SURFACE SP1 @ SURFACE Lea County, NM Price Brunson Sample I.D. Project Owner: (06 Fax #: State: NM 575-397-0397 Zip: 88241 OPOOOO(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER MATRIX 17 SOIL 7 ÒIL SLUDGE Attn: P.O. #: City: State: Company: Phone #: OTHER Address Fax #: PRESERV ACID/BASE: ICE / COOL פולל גם OTHER Zip: 10/4/16 10/4/16 10/4/16 10/4/16 10/4/16 10/4/16 DATE SAMPLING 9:45 AM 9:30 AM 9:10 AM 11:30 AM 10:45 AM 10:10 AM TIME ANALYSIS REQUEST

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	"I Fax #:	□ Yes □	Fax Result:		linquished By:
Fax Result:	Add'I Phone #:	□ Yes □	Phone Result:	affiliates or successors arising out of or related to the performance or services. Received By:	ates or successors arising out of or related to the periodical

Page 11 of 11

From: Lynch, Kristen, EMNRD

To: <u>Cliff Brunson</u>

Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: COG - West Pearl 36 State Com #004H - Remediation Plan

Date: Thursday, November 10, 2016 7:55:41 AM

Attachments: 1RP 4435 West Pearl 36 State Com #004H Remediation Plan.pdf

Good Morning,

Based on documents provided and NMOCD review, the work plan for RP 4435 has been approved. Please see attached for your records.

Thank You,

Kristen D. Lynch Environmental Specialist, District 1 Oil Conservation Division, EMNRD (575) 393-6161 ext. 111 575-370-3180 (emergency-cell)

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: Friday, November 04, 2016 3:30 PM

To: Lynch, Kristen, EMNRD

Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis **Subject:** COG - West Pearl 36 State Com #004H - Remediation Plan

Kristen,

This e-mail is to confirm our discussion concerning the remediation plan for the COG West Pearl 36 State Com #004H release. 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

Phone: (575) 397-638 Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 157368

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	157368
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwe	II None	11/9/2022