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. Backfill 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:					
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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Submit 1 Copy to appropriate District Office in

Santa Fe, NM 87505

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. 432-683-7443 Facility Name: WEST PEARL 36 STATE COM #004H Facility Type: Flare Surface Owner: State Mineral Owner: 30-025-42146 API No. LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 0 25 **19S** 34Ē 250' South 2180' East Lea Latitude 32.6248387259106 Longitude 103,512415383595 NATURE OF RELEASE Type of Release: Volume of Release: Volume Recovered: Oil 10bbls **Obbls** Source of Release: Date and Hour of Occurrence: Date and Hour of Discovery: Flare 09-08-2016 4:00 pm 09-08-2016 4:00 pm Was Immediate Notice Given? If YES, To Whom? Yes No Not Required By Whom? Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse, 🗌 Yes 🕅 No If a Watercourse was Impacted, Describe Fully,* Describe Cause of Problem and Remedial Action 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 delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. **OIL CONSERVATION DIVISION** Signature: Printed Name: Robert Grubbs Jr. Approved by Environmental Specialist: Title: Senior Environmental Coordinator Approval Date: Expiration Date: E-mail Address: rgrubbs@concho.com Conditions of Approval: Attached 🔲 Date: September 9, 2016 Phone: 432-683-7443

* Attach Additional Sheets If Necessary

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.

1220 S. St. Fran	cis Dr., Santa	ı Fe, NM 87505	i	Sa	inta F	e, NM 875	05				
_			Rele	ase Notific	atio	n and Co	orrective A	ction			
		0000			r	OPERA		🗌 In	itial Report	\boxtimes	Final Report
Name of Co				id, TX 79701			bert McNeill	77			
Facility Nar						Facility Typ	No. 432-230-00	11			
			e com a		l						
Surface Ow	ner: State			Mineral C)wner:	API No. 30-025-42146					
		MA 11			-	N OF REI		-			
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/West Lin			
0	25	195	34E	250		South	2180	East	Lea Coun	ty, NM	
			1	.atitude <u>N 32.6</u>	<u>2483°</u>	Longitu	ide <u>W 103.5124</u>	<u>1°</u>			
				NAT	URE	OF REL					
	Type of Release: Oil Volume of Release: 10 bbls Volume Recovered: 0 bbls Source of Release: Dump valve failure on flare Date and Hour of Occurrence Date and Hour of Discovery										
Was Immediate Notice Given? Yes No No Not Required If YES, To Whom? Date and Hour of Discovery											
Was Immedia	Was Immediate Notice Given? If YES, To Whom?										
By Whom?	By Whom? . Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse.										
Was a Water	course Read			1.57		If YES, Vo	olume Impacting t	he Watercourse			
			Yes 🛛	-							
If a Watercou	irse was Im	pacted, Descr	ibe Fully.'	k							
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*							
This release	was caused	by a dump va	lve that fa	iled on a flare. Th	he fault	y valve was re	placed.				
Describe Are	a Affected	and Cleanup	Action Tal	:en.*							
This release	occurred du	e to a flare fai	lure in the	pasture. All free	fluids	were burnt up	during the fire. T	he spill was de	lineated and a	remedia	tion plan
							roved by Kristen l				
I hereby certi	fy that the i	information g	iven above	is true and comp	lete to	the best of my	knowledge and u	nderstand that p	oursuant to NM	IOCD n	ules and
regulations a	ll operators	are required t	o report ai	nd/or file certain r	elease	notifications a	nd perform correc	tive actions for	releases which	i may ei	ndanger
							arked as "Final Rion that pose a thr				
or the enviro	nment. In a	ddition, NMC	OCD accep	tance of a C-141	report	does not reliev	e the operator of i	responsibility fo	or compliance	with any	y other
federal, state	, or local la	ws and/or reg	ulations.							221	
				1			<u>UIL CUN</u>	SERVATIC	<u>IN DIVISIO</u>	<u>JN</u>	
Signature:	TZa	lost M	<u></u> [.					A4	hley M	alw	ell
Printed Nam	e: Robert C	irubbs Jr				Approved by	Environmental S	pecialist:	Į.		
Title: Senior	Environme	ental Coordina	ator			Approval Da	te: 11/9/202	2 Expirati	on Date:		
E-mail Addr	ess: remibh	s@concho.co	m			Conditions o	f Approval:				
						50	P.b		Attached	1	
Date: No	vember 30, tional She			ione: (432) 683-7	7443						
Anach Addi	nonal one	cis il necess	saty								



Received by OCD: 11/9/2022 11:57:42 AM BBC INTERNATIONAL

Groundwater Plot

er Plot

COG West Pearl State Com #004H



Section Quarters

COG West Pearl 36 State Com #004H



Released to Imaging: 11/9/2022 12:03:10 PM

COG

West Pearl 36 State Com #004H



COG

West Pearl 36 State Com #004H



Page 9 of 29

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 @ 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/qa/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:	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)

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	d 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 9	% 28-171							

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:	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 9	% 28-171							

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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:	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	ed 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	7						
Surrogate: 1-Chlorooctadecane	90.2	% 28-171							

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Celez 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:	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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*=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:	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	7						
Surrogate: 1-Chlorooctadecane	87.4	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celez 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:	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	% 73.6-14	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	87.4	% 35-147							
Surrogate: 1-Chlorooctadecane	92.3	% 28-171							

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:	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	Analyzed 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							

Cardinal Laboratories

*=Accredited Analyte

Celez 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:	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	<i>99.3</i>	% 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							

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or 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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Released to	Imaging:	11/9/2022	12:03:10 PM	

Received by	OCD:	11/9/2022	11:57:42 AM
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1

5	(505) 393-2326 FAX (505) 393-2476	BILL TO		A	ANALYSIS REQUEST
Company Name: BBC International, Inc. Project Manager: Cliff Brunson		P.O. #:		_	
		Company: CUG	-		
bbs State: NM	zip: 88241	Attn: Robert(5	mbbs.		
5-397-6388 Fax #:	-0397	Address:			
Project O		City:			
ame: West Pearl 36 State (State: Zip:			
Project Location: Lea County, NM		Phone #:		_	
		1			
	MATRIX	PRESERV. SAMPLING	NG		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	. TPH	BTEX	
SP1 @ SURFACE	6- <	V 10/4/16	9:10 AM	. <	
	61 1	v 10/4/16	<		
URFACE	6110	10/4/16	9:45 AM	~	
SP2 @ 1'	01 1	v 10/4/16	~	、 <	
S SP3 @ SURFACE	61 10	V 10/4/16	10:45 AM	、	
6 SP3 @ 1'	61 1			~	
SP4 @ SURFACE	61 4	V 10/4/10	-	×	
	61 V	V 10/4/16	1:20 PM 🗸	~	
An interior					
PLEASE NOTE: Liability and Damages. Cardina's liability and clent's exclusive energy for any clamar ansing whenter based in currance or non-concentrative properties of the applicable arabyses. At claims including hose for negligence and any other curse whatevere shall be deemed waived united sets made in writing and received by Cardina's linking including the set of the applicable arabyses. At claims including hose for negligence and any other curse whatevere shall be deemed waived united sets made in writing and received by Cardina's linking including the sets of	(s) exclusive remedy for any claim ansing writing based in writing and received but so entropy of the source of the automatic	I do ruct, sinal commission of the above stated of loss of use, or loss of profits incurred by loss of use, or provide the above stated of the boost stated of the above stated of the stated of th	ter completion of the applicable (client, its subsidiaries, reasons or otherwise		
Relinquished By: Days: 4/10	Received By: Jennefer	Gilkey	Phone Result: 1 Fax Result: 1 REMARKS:	□ Yes □ No □ Yes □ No	Add'l Phone #: Add'l Fax #:
nilky	Received By:	lenson			
: (Circle One)	_	tion CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other: - 10,50 14 Ves 14 Ves	No No				

From: Ly	nch, Kristen, EMNRD
To: <u>Cli</u>	ff Brunson
Cc: <u>Rc</u>	bert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE	: COG - West Pearl 36 State Com #004H - Remediation Plan
Date: Th	ursday, November 10, 2016 7:55:41 AM
Attachments: <u>1R</u>	P 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 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>



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811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

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 Date
amaxwell	None	11/9/2022

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