

June 22, 2016

Oil Conservation Division District 1 – Hobbs 1625 N. French Drive Hobbs, New Mexico 88240

APPROVED

Re: Prickly Pear 6 Federal #4H

30-025-40778 Sec. 6, T20S-R35E Lea County, NM

Mr. Keyes/Mr. Arias,

COG Operating LLC would like to submit for your consideration the enclosed closure request for the above captioned well. The request is in response to the C-141 Initial report dated January 27, 2015.

This release was caused when a regulator froze up and caused the gas line to freeze resulting in the release of 20 barrels of oil of which 5 barrels of oil was recovered. The majority of the release remained in the flare containment, however, overspray from the flare misted the the interim location on the pad as well as the pasture to the south east. The area impacted in the pasture was approximately 0.05 acres.

Vacuum trucks were immediately dispatched to recover standing fluid from the interim reclamation and the remaining impacted soil on location around the flare was scraped up and hauled off to the appropriate disposal facility. Microblaze was applied to the impacted area of the reclaim as well as the impacted portion of the pasture following the removal of standing fluid. The attached site diagram depicts the area impacted by the release along with the sampling points.

Soil Assessment and Analytical Results

Below is a summary of the attached analytical results:

S1	BTEX	GRO	DRO	TPH	CI+
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
2'	<0.300	<10.0	<10.0	<10.0	<16.0
S2	BTEX	GRO	DRO	TPH	CI-
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0

Request for Closure

COG Operating LLC proposes that no excavation or further work be required in the pasture or the interim reclamation based on the analytical results obtained.

If there are no objections or further stipulations, COG Operating LLC requests closure of the above captioned location. Please feel free to contact me with any questions or concerns.

Sincerely,

Amanda Trujillo Davis,

Sr. Environmental Coordinator

Enclosure(s):

Site Diagram Analytical Results C-141 Final

January 27, 2016



March 15, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: PRICKLEY PEAR 6 FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/09/16 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 accredited 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.

Celeg D. Keine

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



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

03/09/2016

03/15/2016

Reported: Project Name:

PRICKLEY PEAR 6 FED BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

03/02/2016

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S1 - SURFACE (H600515-01)

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	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 5	% 73.6-14	o			**			
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	NĐ	204	102	200	0.937	
Surrogate: 1-Chlorooctanc	104 9	% 35-147							
Surrogate: 1-Chlorooctadecane	117 9	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's bability and cherics exclusive remoty for any clean arising, whether based in contract or tork, shall be limited to the amount paid by clean for analyses. All cleans, including those for negligence and any other clause whictonere shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be saidle for incidencial or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of use, or loss of use, or loss of profits incurred by cherd, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, evigantiless of whether such daims is based upon any of the above stated reasons or otherwise. Results riskee only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Colony Z. Keens



COG OPERATING **DAKOTA NEEL** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

03/09/2016

Reported:

03/15/2016

Project Name:

PRICKLEY PEAR 6 FED BATTERY

Project Number: Project Location: **NONE GIVEN NOT GIVEN**

Sampling Date:

Sampling Type:

03/02/2016 Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S1 - 1' (H600515-02)

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BIEX 8021B	mg,	/kg	Analyze	а ву: М5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL

99.2%

73 6-140

TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane

99.2%

35-147

Surrogate: 1-Chlorooctadecane

117%

28-171

Cardinal Laboratories

*=Accredited Analyte

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Colleg Z. Kerns

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING **DAKOTA NEEL** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

03/09/2016

Reported:

03/15/2016

Project Name:

PRICKLEY PEAR 6 FED BATTERY

Project Number:

NONE GIVEN Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

03/02/2016

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S1 - 2' (H600515-03)

BTEX 80218	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	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0,300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIE	99.3 9	6 73.6-14	0						
TPH 8015M	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	NĐ	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: 1-Chlorooctane	106 %	35-147							
Surrogate: 1-Chlorooctadecane	115 %	28-171							

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

03/09/2016

Reported:

Sampling Date:

03/02/2016

03/15/2016

Sampling Type:

Soil

Project Name:

PRICKLEY PEAR 6 FED BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN **NOT GIVEN**

Sample Received By:

Jodi Henson

Sample ID: S2 - SURFACE (H600515-04)

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	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ИD	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorohenzene (PIL	100 5	% 73.6-14	0						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: 1-Chlorooctane	105 5	% 35-147							
Surrogate: 1-Chlorooctadecane	121 9	% 28-171							

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Colleg & tramo



COG OPERATING **DAKOTA NEEL** P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:

03/09/2016

Reported:

03/15/2016

Project Name:

PRICKLEY PEAR 6 FED BATTERY

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

03/02/2016

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 1' (H600515-05)

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	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.9	% 73.6-140	0						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	
Surrogate: I-Chlorooctane	104 9	6 35-147							
Surrogate: 1-Chlorooctadecane	115 %	6 28-171							

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Colony & Keens



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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 SM4500CI-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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Colog Thema-

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	COG Operating LLC	O				18/1	BILLIO					ANALYSIS		REQUEST	T	-		
Project Manager:	: Dakota Neel				P.O.#:	#			2311	-								
Address: 2208	2208 West Main				Con	Company: (COG Operating LLC	ting LLC					-			-		
City: Artesia	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	State: NM	Zip	88210	Attn:		Robert McNeill	leili									-	
Phone #:	(575) 748-6930	Fax#:			Add	Address:	600 W Illinois	ROIS		-							_	_
Project #:		Project Owner:			City:		Midland			-						- 51	_	
Project Name: 1	Project Name: PRICKLY PEAR 6 FED BATTERY	BATTERY			State	State: TX	Zip: 79701		02:10							- 6	_	
Project Location:					Pho	ne #: (432	Phone #: (432) 221-0388		F2 7									
Sampler Name:	Dakota Neel				Fax #:	報			_			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-			_
FOR LAB USE CMLY				MATRIX	-	PRESERV	SAN	SAMPLING				W.			-			_
Lab I.D. H6005/5	Sample I.D.	o.	(G)RAB OR (C)OMP	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE:	ACID/BASE: OTHER:	DATE	TIME	хэтө	нат	Chloride							
3,	31-SURFACE			×			3/2/16	2:00 PM	×	×						-	-	
7	31-1'			×			3/2/16	2:00 PM	×	×								
W	31-2'			×			3/2/16	2:00 PM	×	×								-
<u>37</u>	32-SURFACE			×			3/2/16	2:00 PM	×	×								
Ŋ	S S2-1'			×			3/2/16	2:00 PM	×	×								
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DAKOTA NEEL	3/2/2016				Fax Result:	
LOGIC	Time: 30	A A	Hay A	Sintton Lollin	_	
telinquished By:	Date:	Received E	خ خ			
			7		lcarrasco@concho.com	
	Time:					
					atrujillo@concho.com	
Delivered By: (Circle One)		so c	Sample Condition	CHECKED BY:		
Sampleselde R Bus - Other:	3.6	20	The Lates	1		
			NO NO	- 10		

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

<u>District 1</u> 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**

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

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

Form C-141

Revised August 8, 2011

Release Notification and Corrective Action

						OPERA'	ΓOR		Initia	l Report	\boxtimes	Final Report
Name of Co	mpany: C	OG Operation	ig LLC		10	Contact: Ro	bert McNeill					
Address: 60	0 West Ill	inois Avenue	, Midlan	d TX 79701	1	Telephone !	No. 432-230-007	77				
Facility Nan	ne: PRICK	CLY PEAR 6	FEDER	AL #004H	3	Facility Typ	e: Battery					
2 5 6	F 1			110 10			·		1			
Surface Own	ner: Feder	al		Mineral C	wner:				API No	. 30-025-40	<u>778 </u>	
						OF REI						
Unit Letter D	Section	Township	Range	Feet from the		South Line	Feet from the	1	Vest Line		Count	у
D	6	208	35E		508902	North Longitude OF REL	1130' -103.5016174 EASE		Vest		Lea	
Type of Relea	ıse:					Volume of 20 bbls Oil	Release:		Volume R 5 bbls Qil			
Source of Rel	ease:						our of Occurrenc	е.		Hour of Disc	OVPTV	
Flare						1/27/2016		-	1/27/2016		overy.	
Was Immedia	te Notice C	Given?				If YES, To		-				
			Yes	No 🗵 Not Re	quired							
By Whom?						Date and H	our:					
Was a Watero	ourse Reac	hed?					lume Impacting t	he Wate	rcourse.			
			Yes 🛚	No								
If a Watercou	rce was Im	nacted Descri	he Fully *									
		partos, 2 00011										
Describe Cause of Problem and Remedial Action Taken.*												
This release was caused when a regulator froze and a supply gas line froze causing oil to be sent to flare. A vacuum truck was dispatched to recover fluid from flare containment.												
Describe Area	Affected a	and Cleanup A	ction Tak	en.*								
This release impacted the interim reclamation on the pad. Remediation was completed under the guidance of NMOCD and the Bureau of Land Management.												
regulations all public health of should their of or the environ	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.											
	1						OIL CONS	SERV	ATION	DIVISIO	N	
Signatura	1	FT)									_	
Signature:	-1 /		w		-	Approved by	Environmental St	pecialist	Janix	'llye^		
Printed Name	: Amanda	Trujillo Davis			<u> </u>							
Title: Senior I	Environmer	ntal Coordinate	or			Approval Dat	e: 06/27/2016		Expiration I	Date: ///		
E-mail Addres	ss: atrujillo	@concho.com				Conditions of	Approval:			Attached		
Date: June 22	2, 2016	1	Phone: 57.	5 - 748-6930			/// ==================================			1RP 4219	_	

^{*} Attach Additional Sheets If Necessary