

WORK PLAN FOR INCIDENT 2RP-2560

COG OPERATING LLC
CROSSMAN 25 STATE #1H
API# 30-015-38948
SECTION 25, T25S R27E, NM
EDDY, NM

Prepared by:
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Prepared for:
COG Operations LLC
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2407 Pecos Ave.
Artesia, NM 88210

March 25, 2015
Reference 5B23672 BG1



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INTRODUCTION

On behalf of COG, Souder Miller & Associates (SMA) has prepared this Workplan for closure activities related to incident # 2RP-2560. This document also provides a summary release and spill response efforts at the Crossman 25 State #1H, a lease held by COG. For #2RP-2560, According to the Release Notification and Corrective Action Form C-141 *“Torrential rains caused flood waters to rise. Waters over ran the location, taking tanks and equipment away with the water. Most of the pad was taken away with the flood waters as well. Tanks and equipment was located approximately 2 miles further down the arroyo. The steel tanks were empty and the fiberglass tanks were torn apart. The impacted area shows no signs of hydrocarbon or brine impact. Once the area dries out and is accessible to heavy equipment we will conduct a more thorough search of the area for hydrocarbon impact. Equipment will be removed from the draw and disposed of at an NMOCD approved.”*

The site is located in Unit H, Section 34, Township 25 South, Range 28 East, Eddy, New Mexico. Figure 1, Site Location Map, illustrates the location of the release.

This document presents the results of the initial assessment and soil sampling performed at the Site, the regulatory framework for existing activities, and a summary of work done at the location designed to facilitate incident mitigation and closure. Site details, sampling locations and the remedial excavation area are presented in Figure 2. Appendices include the laboratory analytical reports for the initial sampling, and New Mexico Oil Conservation Division (NMOCD) form C-141 (final).

REGULATORY FRAMEWORK AND SITE CLASSIFICATION

This project was conducted under the regulatory jurisdiction of the NMOCD, which requires the vadose zone to be abated so that water contaminants in the vadose zone will not, with reasonable probability, contaminate groundwater or surface water (toxic pollutants as defined in 20.6.2.7 New Mexico Administration Code shall not be present) through leaching, percolation, or other transport mechanisms (19.15.1.19 NMAC, Subsection B, Paragraphs 1 and 2). The NMOCD hydrocarbon soil remediation levels are determined by ranking criteria on a site-by-site basis, as outlined in the NMOCD “Guidelines for Remediation of Spills, Leaks, and Releases”, dated August 13, 1993. The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection, and distance to surface water.

According to the Office of the State Engineer’s records, no water wells are located within 1,000 feet of the well pad and tank battery. The estimated depth to groundwater is less than 50 feet below ground surface. A surface water body is located within 1,000 feet of the well pad and battery. The table below illustrates the ranking criteria, used by the NMOCD, and includes site specific characteristics at the West Brushy 8 location.

Criteria Site Characteristics	Ranking Score	
Depth to Ground Water	<50 feet	20
Wellhead Protection Area	>1000 feet	0
Distance to Surface Water	<1000 feet	<u>20</u>
Total Ranking Score		20

Based on the site characteristics and the NMOCD guidelines, the site has a ranking score of 20. Consequently, Recommended Remediation Action Levels (RRALs) of 10 milligrams per kilogram (mg/Kg) Benzene, 50 mg/Kg total Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX); and 100 mg/Kg Total Petroleum Hydrocarbons (TPH) are proposed for remediation at the site.

SOIL SAMPLING RESULTS

All Samples were conducted by COG Staff. Sample S1-1 was taken from contaminated soil that then was removed. A second sample was taken in the same location at S1-2 that are under the site specific NMOCD RRALs.

TABLE 1

Analytical Report-H5003-15	Sample Date	Depth (ft)	BTEX mg/Kg	GRO mg/Kg	DRO mg/Kg	Chloride mg/Kg
S1-1'	1/28/15	1	2.89	405	1940	<16.0
S1-2'	1/28/15	2	<0.30	14	32.7	<16.0
S1-3'	1/28/15	3	<0.30	<10.0	<10.0	<16.0
S2-1'	1/28/15	1	<0.30	<10.0	50.5	32.0
S2-2'	1/28/15	2	<0.30	<10.0	<10.0	32.0
S3-1'	1/28/15	1	<0.30	11.9	42.4	64.0

N/A – Not Analyzed BDL – Below Detection Limits for the Method. Refer to Analytical Reports Appendix A

All laboratory analytical results are below the site specific NMOCD RRALs based on the ranking criteria.

SPILL MITIGATION WORKPLAN

The spill mitigation approach proposed in this Workplan is primarily to improve the vegetation found in the draw for area livestock through a thermal treatment. A mitigation by prescribed burn will be utilized to accomplish the goals stated above. The efficacy of the treatment, a prescribed fire, has been evaluated as a tool to thermally remove higher order hydrocarbons from the draw's vegetation, not the area soils or surface water. The levels of hydrocarbons remaining in Red Bluff Draw's soil from the incident are below the NMOCD recommendations for closure. The main concerns to be addressed by the thermal treatment are the removal of affected vegetation and the rejuvenation of the feeding value of the draw for area livestock and wildlife.

SMA researched and documented existing evidence that supports the anticipated effectiveness of a prescribed fire as a remediation approach for hydrocarbon-impacted vegetation. SMA also collected representative paraffin samples from the draw for laboratory analysis to help characterize the hydrocarbons that need to be consumed and understand their behavior with fire.

Because of the heavy rain events, the long duration of time since the release occurrences, and the recommended February-March prescribed burn season, it is likely that the majority of the hydrocarbons found in Red Bluff Draw have volatilized or degraded months before the issuance of this report. Most light and medium weight components of crude oil generally break down or volatilize within the first month of a release, depending on spill composition, volume and ambient temperature. With this in mind, SMA has concentrated on the mitigation of higher molecular weight components of crude oil, those comprised

of 23 carbon atoms or greater. These larger chain hydrocarbons typically take years to break down and volatilize.

Through several field visits, sample collection and operator field notes, SMA has reached the conclusion that the majority of the residual hydrocarbon found in and around the vegetation in Red Bluff Draw is “slack wax” or raw unrefined petroleum paraffin wax. Paraffin wax is a complex combination of hydrocarbons, most being chains of greater than or equal to 23 carbon atoms, from raw or crude petroleum fractions. Slack wax or unrefined paraffin has an estimated melting point between 94 °F and 150 °F and a flash point between 400 °F and 440 °F. With the estimated temperatures of the prescribed burn in Red Bluff Draw ranging from 380 °F to 620 °F, a large portion of the residual paraffin should be consumed by the fire.

CONFIRMATION SAMPLING

Soil confirmation samples were taken in the spill area (Figure 2). These sample were taken from location on 1/28/15 by COG personal. The soil samples were delivered on 2/04/15 to Cardinal Laboratory, in Hobbs, New Mexico for analysis. Samples was analysis for BTEX, TPH and Total Chlorides.

SITE CLOSURE

The soils remaining were sampled by COG personal and tested by a third party laboratory (Table 1) confirming that the soil meets the site-specific NMOCD is cleanup levels of 10 mg/Kg Benzene, 50 mg/Kg total BTEX and 100 mg/Kg TPH.

LIST OF FIGURES

FIGURE 1 SITE LOCATION MAP

FIGURE 2 SITE DETAILS AND SAMPLE LOCATION MAP

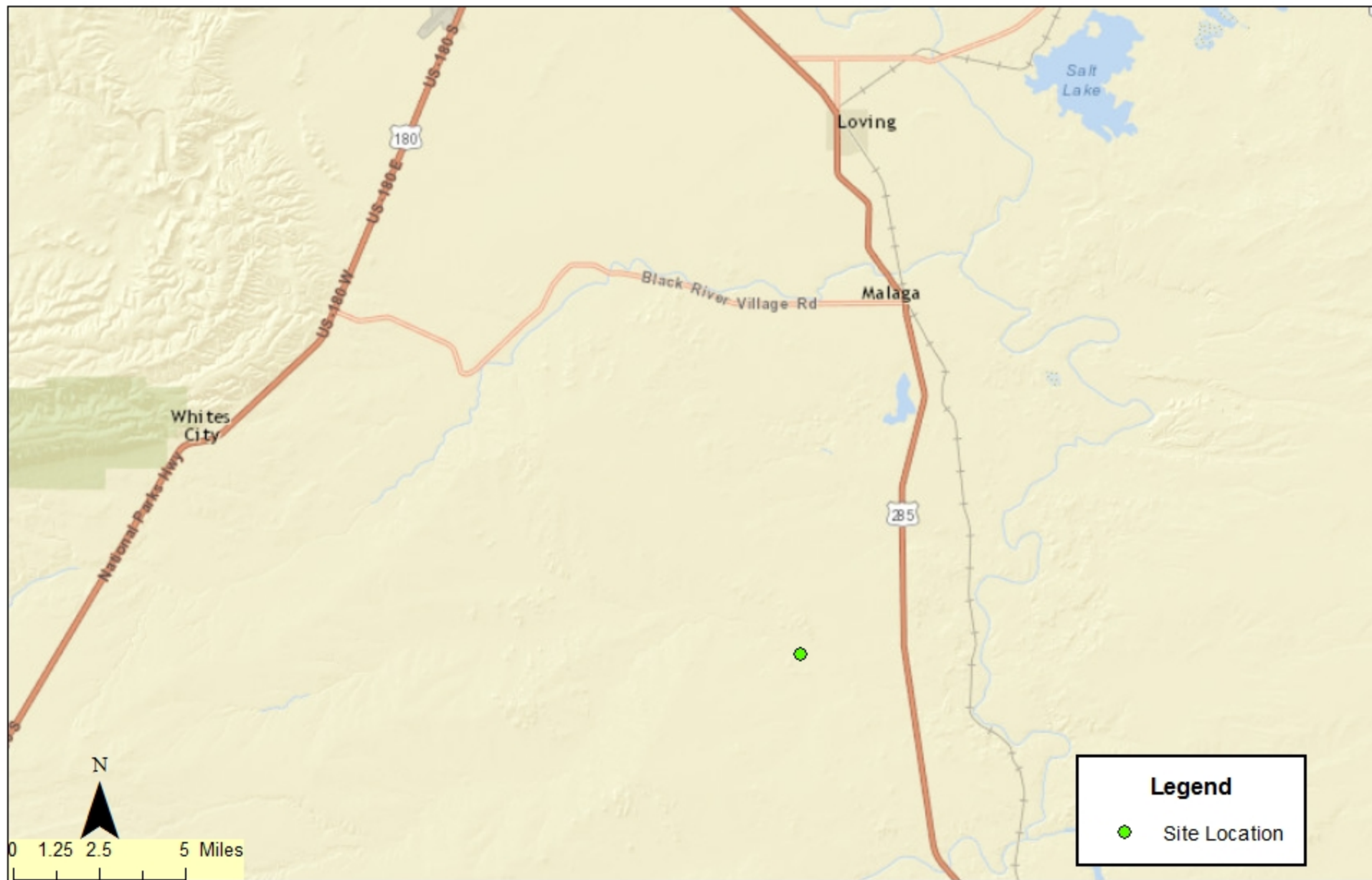
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APPENDIX B FORM C141 FINAL

FIGURE 1

SITE LOCATION MAP



Location Map
Work Plan - 2RP-2560 COG Operations
Malaga, New Mexico

Figure 1

Date Saved:
3/24/2015

By: _____	Date: _____	Revisions	Descr: _____
By: _____	Date: _____		Descr: _____

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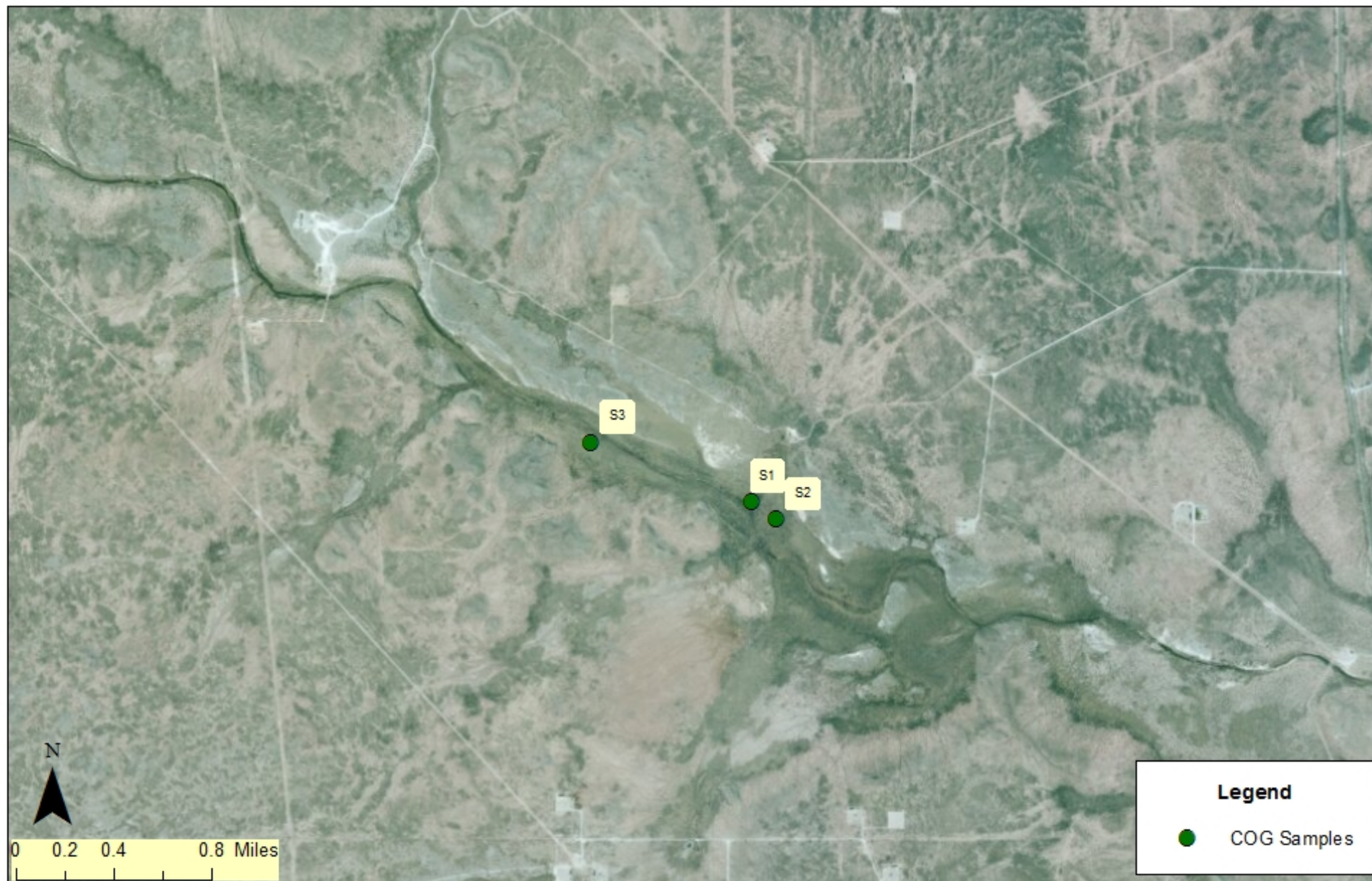
Drawn	Lucas Middleton
Checked	_____
Approved	_____



201 South Halaguena Street
Corliss, New Mexico 88221
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FIGURE 2

SITE DETAILS AND SAMPLE LOCATIONS MAP



Sample Map
Work Plan- 2 RP-2560 COG Operations
Malaga, New Mexico

Figure 2

Date Saved:
3/24/2015

Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

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Drawn Lucas Middleton
Checked _____
Approved _____



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APPENDIX A

LABORATORY ANALYTICAL REPORTS

February 05, 2015

GARRETT MERKET
COG OPERATING
P. O. BOX 1630
ARTESIA, NM 88210

RE: CROSSMAN

Enclosed are the results of analyses for samples received by the laboratory on 02/04/15 12:30.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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. Keene
Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
GARRETT MERKET
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 02/04/2015
Reported: 02/05/2015
Project Name: CROSSMAN
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1- 1' (H500315-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	0.561	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	0.105	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	2.23	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTX	2.89	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	405	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	1940	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 135 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
GARRETT MERKET
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 02/04/2015
Reported: 02/05/2015
Project Name: CROSSMAN
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1- 2' (H500315-02)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	0.051	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTEx	<0.300	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.0	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	32.7	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
GARRETT MERKET
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 02/04/2015
Reported: 02/05/2015
Project Name: CROSSMAN
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S1- 3' (H500315-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	<0.050	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTX	<0.300	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	<10.0	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 96.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

COG OPERATING
GARRETT MERKET
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 02/04/2015
Reported: 02/05/2015
Project Name: CROSSMAN
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2- 1' (H500315-04)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	<0.050	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTX	<0.300	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	50.5	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 99.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 86.7 % 52.1-176

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Analytical Results For:

COG OPERATING
GARRETT MERKET
P. O. BOX 1630
ARTESIA NM, 88210
Fax To: NONE

Received: 02/04/2015
Reported: 02/05/2015
Project Name: CROSSMAN
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S2- 2' (H500315-05)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	<0.050	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTX	<0.300	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	<10.0	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 COG OPERATING
 GARRETT MERKET
 P. O. BOX 1630
 ARTESIA NM, 88210
 Fax To: NONE

 Received: 02/04/2015
 Reported: 02/05/2015
 Project Name: CROSSMAN
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/28/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S3- 1' (H500315-06)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/04/2015	ND	1.72	85.8	2.00	11.5	
Toluene*	<0.050	0.050	02/04/2015	ND	1.62	81.2	2.00	12.8	
Ethylbenzene*	<0.050	0.050	02/04/2015	ND	1.57	78.7	2.00	12.1	
Total Xylenes*	<0.150	0.150	02/04/2015	ND	4.69	78.1	6.00	12.5	
Total BTX	<0.300	0.300	02/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-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	02/05/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.9	10.0	02/04/2015	ND	206	103	200	8.01	
DRO >C10-C28	42.4	10.0	02/04/2015	ND	222	111	200	14.3	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.1 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Concho Resources

Project Manager: Jarrett Merket

Address:

City:

State: Zip:

Phone #:

Fax #:

Project #:

Project Owner:

Project Name: Crossman

Project Location:

Sampler Name:

FOR LAB USE ONLY

[illegible]

H500315

51-1'

51-21

51.3'

52-1'

52-2'

53-1'

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Page 9 of 9

APPENDIX B

FORM C141 INITIAL

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

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 20 2014

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

RECEIVED

Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

0AB1429432526 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC 229137	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Crossman 25 State #1H	Facility Type: Battery

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-38948
------------------------	------------------------	----------------------

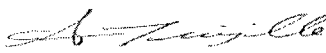
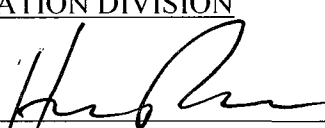
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	25S	27E	330'	North	330'	East	Eddy

Latitude 32.1073265861973 Longitude -104.136404581729

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 280 bbls Oil ; 100 bbls PW	Volume Recovered: 0 bbls Oil ; 0 bbls PW
Source of Release: Flood waters washed battery away.	Date and Hour of Occurrence: 9/19/2014 11:00 am	Date and Hour of Discovery: 9/19/2014 11:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher - OCD	
By Whom? Robert McNeill	Date and Hour: 9/22/2014 8:00 am (phone call)	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	
If a Watercourse was Impacted, Describe Fully.* Torrential rains caused flood waters to rise. Waters over ran the location, taking tanks and equipment away with the water. Most of the pad was taken away with the flood waters as well. Tanks and equipment was located approximately 2 miles further down the arroyo. The steel tanks were empty and the fiberglass tanks were torn apart.		
Describe Cause of Problem and Remedial Action Taken.*		
Describe Area Affected and Cleanup Action Taken.* The impacted area shows no signs of hydrocarbon or brine impact. Once the area dries out and is accessible to heavy equipment we will conduct a more thorough search of the area for hydrocarbon impact. Equipment will be removed from the draw and disposed of at an NMOCD approved facility.		
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	
Printed Name: Amanda Trujillo	Approved by Environmental Specialist: 	
Title: Senior Environmental Coordinator	Approval Date: 10/21/14	Expiration Date: NA
E-mail Address: atrujillo@concho.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: October 20, 2014 Phone: 575-748-6940	Remediation per O.C.D. Rules & Guidelines	

* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 11/21/14

2BR-2560

Bratcher, Mike, EMNRD

From: Amanda Trujillo <ATrujillo@concho.com>
Sent: Monday, October 20, 2014 4:13 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Subject: RE: (Initial-Final C-141) Crossman25 State #1H (30-015-38948)
Attachments: 09-19-2014 Crossman 25 State #1H (TB) Initial-Final (Amended).pdf

Mr. Bratcher,

Attached is an amended C-141 for the Crossman 25 State #1H. Please feel free to contact me if you have any questions.

Thank you,

Amanda Trujillo

Senior Environmental Coordinator
COG Operating LLC
Cell: 505.350.1336
Office: 575.748.6930
atrujillo@concho.com

2407 Pecos Ave.
Artesia , NM 88210



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From: Amanda Trujillo
Sent: Thursday, October 02, 2014 3:17 PM
To: 'Bratcher, Mike, EMNRD'; 'Patterson, Heather, EMNRD'
Subject: (Initial-Final C-141) Crossman25 State #1H (30-015-38948)

Mr. Bratcher,

COG Operating LLC is reported the release at the **Crossman25 State #1H (30-015-38948)** on 9/22/2014 by phone.
Unit A Section 25 Township 25S Range 27E
The release occurred at 11:00 pm on 09/19/2014.

Released: Unknown Volume of Oil and Produced Water

Recovered: 0 bbls

This release was caused by torrential rains. Waters over ran the location, taking tanks and equipment away with the water. Attached is a C-141 Initial for your consideration. If you have any additional questions please feel free to contact me.

Thank you,

Amanda Trujillo

Senior Environmental Coordinator

COG Operating LLC

Cell: 505.350.1336

Office: 575.748.6930

atrujillo@concho.com

2208 W. Main St.

Artesia , NM 88210



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