

SITE INFORMATION

Report Type: Closure Report

General Site Information:

Site:	Poptart 12 Federal #4H					
Company:	COG Operating LLC					
Section, Township and Range	Sec 12	T 19S	R 31E			
Lease Number:	API-30-015-39712					
County:	Eddy County					
GPS:	32.68048° N			103.82900° W		
Surface Owner:	Federal					
Mineral Owner:						
Directions:	From the intersection of CR 222 HWY 360, travel NORTH on CR 222f or apprx. 11.2 miles to the intersection of CR 22 and CR 249. Turn SOUTHEAST onto two track and continue for 2.2 miles to unlocked gate, continue for additional 0.5 miles, turn North 100 ft to location.					

Release Data:

Date Released:	12/2/2013
Type Release:	Oil
Source of Contamination:	FWKO gasket failure
Fluid Released:	9 bbls
Fluids Recovered:	0 bbls

Official Communication:

Name:	Robert McNeil	Ike Tavaréz
Company:	COG Operating, LLC	Tetra Tech
Address:	One Concho Center 600 W. Illinois Ave.	4000 N. Big Spring Ste 401
City:	Midland Texas, 79701	Midland, Texas
Phone number:	(432) 686-3023	(432) 687-8110
Fax:	(432) 684-7137	
Email:	rmcneil@conchoresources.com	Ike.Tavaréz@tetratech.com

Ranking Criteria

Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	
WellHead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	
Water Source >1,000 ft., Private >200 ft.	0	0
Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	
200 ft - 1,000 ft.	10	
>1,000 ft.	0	0
Total Ranking Score:	0	

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5,000



TETRA TECH

July 16, 2014

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report for the COG Operating LLC., Poptart 12 Federal #4H Tank Battery, Unit D, Section 12, Township 19 South, Range 31 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Poptart 12 Federal #4H Tank Battery, Unit D, Section 12, Township 19 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.68048°, W 103.82900°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on December 2, 2013, and released approximately nine (9) barrels of oil from a gasket on a free water knockout. To alleviate the problem, COG personnel replaced the gasket. Zero (0) barrels of standing fluids were recovered. The spill initiated on the pad measuring approximately 90'x5'. The initial C-141 form is enclosed in Appendix A.

Groundwater

No water wells were listed within Section 12. According to the NMOCD groundwater map, the average depth to groundwater in this area is greater than 300' below surface. The groundwater data is shown in Appendix B.

Tetra Tech

5000 North Loop West, Suite 401, Houston, TX 77057
Tel: 281.682.4550 Fax: 281.682.3946 www.tetratech.com



Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Analytical Results

On January 6, 2014, Tetra Tech personnel inspected and sampled the spill area. Three (3) auger holes (AH-1, AH-2 and AH-3) were installed using a stainless steel hand auger to assess the impacted soils. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3.

Referring to Table 1, none of the samples exceeded the RRAL for TPH and BTEX. Elevated chloride concentrations were detected in all of the auger holes. Auger hole (AH-2) was vertically defined and declined to 48.4 mg/kg at 2-2.5' below surface. The areas of AH-1 and AH-3 were not vertically defined, with bottom auger hole samples of 3,290 mg/kg at 4-4.5' and 1,160 mg/kg at 0-1', respectively.

Remediation Activities

On April 28, 2014, Tetra Tech supervised the removal impacted material as highlighted (green) in Table 1 and shown on Figure 4.

Prior to excavation of the soils, Tetra Tech installed backhoe trenches (T-1 and T-2) in the areas of AH-1 and AH-3 to define extents and confirm the detected chloride concentrations in the soils. The areas of T-1 (AH-1) and T-2 (AH-3) showed elevated chloride bottom samples of 2,120 mg/kg and 1,170 mg/kg at 10' below surface and were not vertically defined.



Auger hole (AH-2) was excavated to approximately 2.0' below surface. Based on the field data, the areas of auger holes (AH-1 and AH-3) were excavated 4.5' below surface and placed a clay material to cap area and prevent further migration of contaminants left in place. Confirmation samples were taken in the areas of each auger hole. The area of auger hole (AH-1) showed chloride concentrations of 608 mg/kg, 400 mg/kg, and 112 mg/kg at the North Sidewall, West Sidewall, and South Sidewall; respectively. The area of auger hole (AH-2) showed chloride concentrations of 1,790 mg/kg, 48.0 mg/kg, and 32.0 mg/kg at the North Sidewall, South Sidewall, and Bottom hole; respectively. The North Sidewall could not be excavated any further due to the equipment in the area. The area of auger hole (AH-3) showed chloride concentrations of 528 mg/kg, 16.0 mg/kg and 592 mg/kg at the North Sidewall, South Sidewall, and East Sidewall; respectively. Once the areas were excavated to the appropriate depths, the excavations were backfilled with clean soil to grade, and approximately 98 cubic yards of excavated material was hauled to proper disposal.

On May 14, 2014, Tetra Tech installed two (2) boreholes (BH-1 and BH-2) in order to vertically define the chloride impact in the areas of AH-1 and AH-3. The area of BH-2 (AH-3) showed a chloride high of 1,620 mg/kg at 6'-7' below surface, which significantly declined with depth to 147 mg/kg at 29'-30' below surface.

The chloride impact in the area of BH-1 (AH-1) was not vertically defined. The area showed a chloride spike at 39'-40' below surface of 3,720 mg/kg, which began to decline to 2,260 mg/kg at 49'-50' below surface. Deeper samples were not collected due to the sandy formation which collapsed the borehole. Based on the reported depth to groundwater (greater than 300'), limited impacted area and clay cap, the area does not appear to be an environmental concern.

Conclusion

Based on the assessment and remediation work performed at this site, COG requests closure of this spill issue. A final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or the remediation activities for this site, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Clair Gonzales,
Geologist

cc: Robert McNeil – COG
cc: Mike Burton – BLM

Figures

Chaves

POPTART 12
FED #4H

Eddy

Lea



Figure 1

Poptart 12 Fed #4H

Overview Map

Eddy County, New Mexico

Project 112MC08165

Date 2/17/2014

File H:\GIS\MC8165

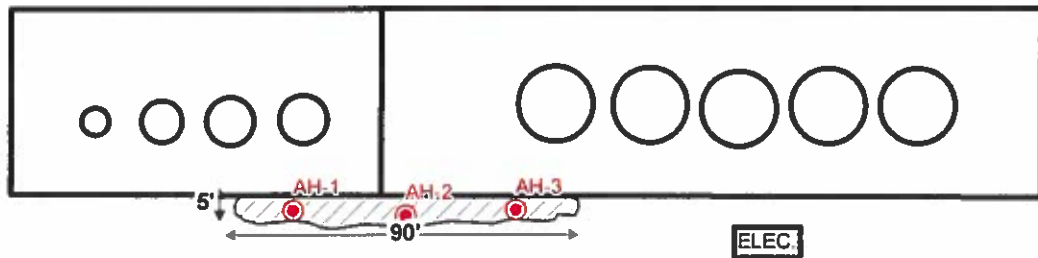


SCALE: 1 in = 41,667 feet

0 20,000 40,000
Feet



PASTURE





PAD



PA

EXPLANATION

-  AUGER HOLE SAMPLE LOCATIONS
-  SPILL AREA



SCALE: 1 IN = 80 FEET

Feet 0 20 40



Figure 3

Poptart 12 Fed #4H

Spill Assessment Map

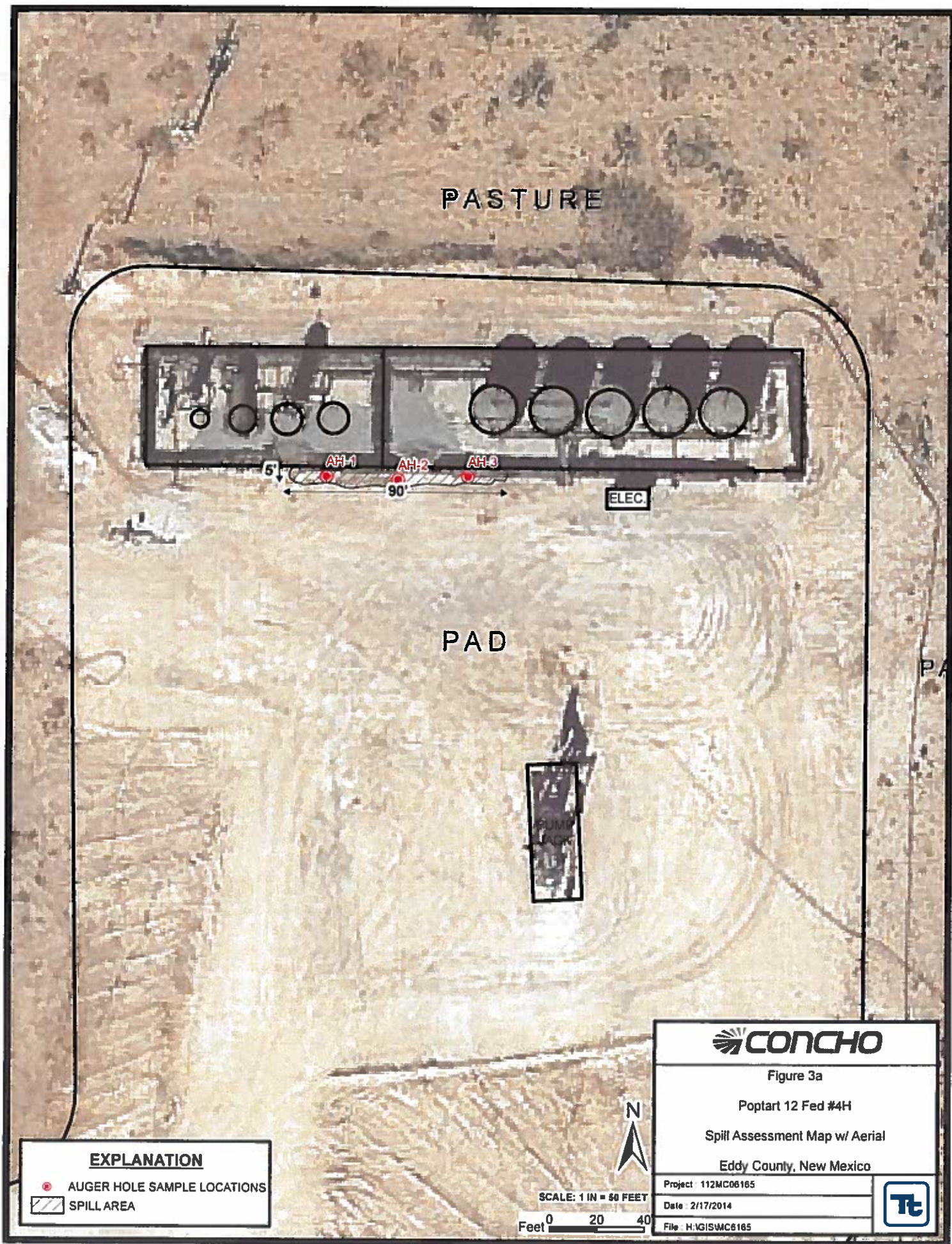
Eddy County, New Mexico

Project 112MC08165

Date 2/17/2014

File H:\GIS\MC08165





PASTURE



4.5' DEEP W/ CLAY CAP

4.5' DEEP W/ CLAY CAP

2' DEEP

PAD

PUMP
JACK

EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- BORE HOLE SAMPLE LOCATIONS
- TRENCH LOCATIONS
- INSTALLED CLAY
- EXCAVATED AREAS



Figure 4

Poptart 12 Fed #4H

Excavation Areas & Depths Map

Eddy County, New Mexico

Project: 112MC06165

Date: 07/08/2014

File: H:\GIS\MC6165



SCALE: 1 IN = 42 FEET

Feet 0 20 40

Tables

Table 1

[illegible]

Table 1
COG Operating LLC.
Poptart 12 Federal #4H
Eddy County, New Mexico

Sample ID	Sample Date	BEB Sample Depth (ft)	Excavation Bottom Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-3	1/6/2014	0-1	-	X		<4.00	92.1	92.1	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,160
AH-3 North Sidewall	4/29/2014	-	-	X		-	-	-	-	-	-	-	-	528
AH-3 South Sidewall	4/29/2014	-	-	X		-	-	-	-	-	-	-	-	16.0
AH-3 East Sidewall	4/29/2014	-	-	X		-	-	-	-	-	-	-	-	592
T-2	4/29/2014	0	-	X		-	-	-	-	-	-	-	-	5,920
	"	2	-	X		-	-	-	-	-	-	-	-	<16.0
	"	4	-	X		-	-	-	-	-	-	-	-	448
	"	6	-	X		-	-	-	-	-	-	-	-	2,040
	"	8	-	X		-	-	-	-	-	-	-	-	1,330
	"	10	-	X		-	-	-	-	-	-	-	-	1,170
BH-2	5/14/2014	4-5	-	X		-	-	-	-	-	-	-	-	1,030
	"	6-7	-	X		-	-	-	-	-	-	-	-	1,620
	"	9-10	-	X		-	-	-	-	-	-	-	-	1,570
	"	14-15	-	X		-	-	-	-	-	-	-	-	735
	"	19-20	-	X		-	-	-	-	-	-	-	-	539
	"	24-25	-	X		-	-	-	-	-	-	-	-	<20.0
	"	29-30	-	X		-	-	-	-	-	-	-	-	147

(-) Not Analyzed
 (BEB) Below Excavation Bottom

Photos

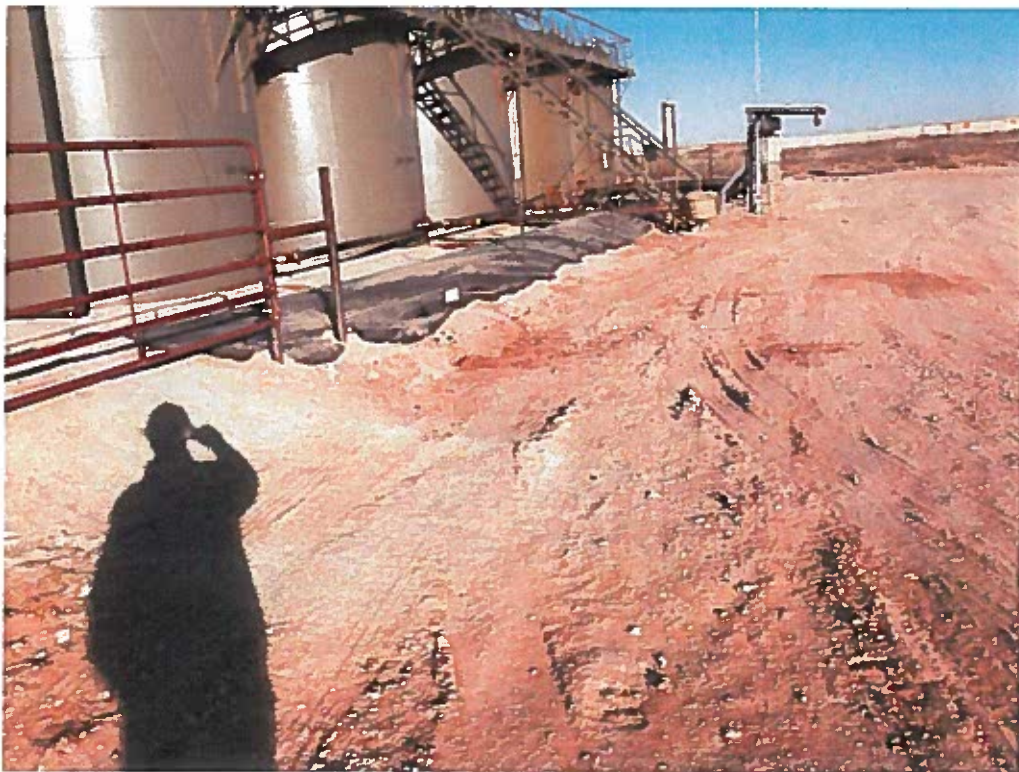
COG Operating LLC
Poptart 12 Federal #4H
Eddy County, New Mexico



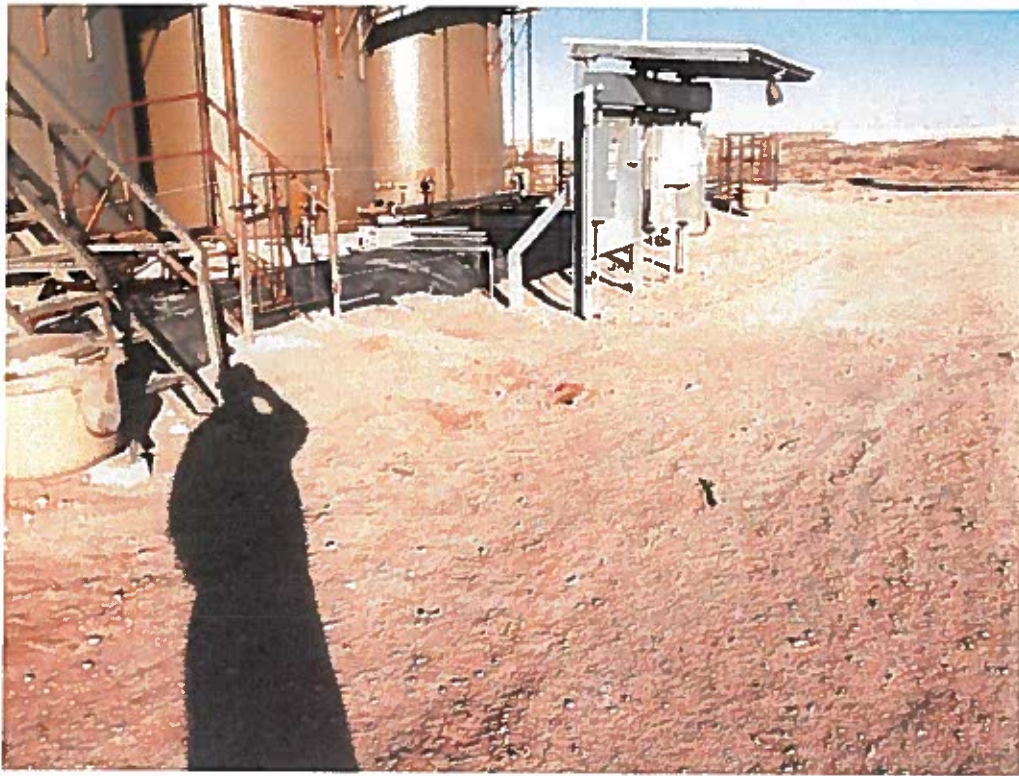
TETRA TECH



View North – Area of AH-1



View East – Area of AH-3



View East – Area of AH-3



Typical Trench



View East – Excavated area of AH-1



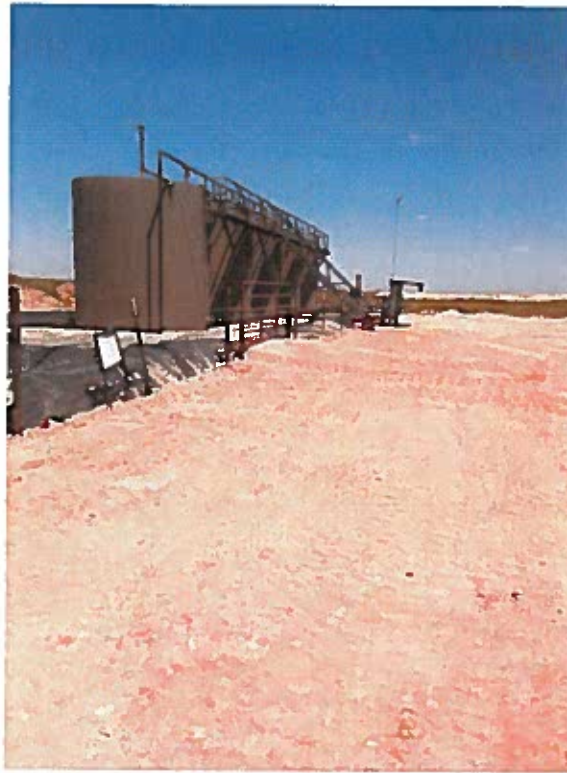
View East – Excavated area of AH-2 and AH-3



View West – Clay lined area of AH-3



View West – Clay lined area of AH-1



View East – Backfilled areas of AH-1, AH-2, and AH-3



View East – Areas of BH-1 and BH-2

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

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.	432-230-0077
Facility Name	Poptart 12 Federal #004H	Facility Type	Tank Battery
Surface Owner	Federal	Mineral Owner	
		Lease No. (API#)	30-015-39712

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North South Line	Feet from the	East/West Line	County
D	12	19S	31E					Eddy

Latitude 32.68048 Longitude 103.82900

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	9bbls	Volume Recovered	0bbls
Source of Release	Gasket on FWKO	Date and Hour of Occurrence	12-02-2013	Date and Hour of Discovery	12-02-2013 12:30pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
A gasket failed on a FWKO. Replaced the gasket on the FWKO.					
Describe Area Affected and Cleanup Action Taken.*					
Initially 9bbls of oil were released from a gasket that failed on a FWKO. We were unable to recover any fluids. All free fluids have been recovered. 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/BLM 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.					
Signature:		OIL CONSERVATION DIVISION			
Printed Name: Robert Grubbs Jr.		Approved by District Supervisor:			
Title: Senior Environmental Coordinator		Approval Date:		Expiration Date:	
E-mail Address: rgrubbs@concho.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 12-11-2013		Phone: 432-661-6601			

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company COG Operating LLC	Contact Robert McNeil
Address 600 West Illinois Avenue, Midland, Texas 79701	Telephone No. (432) 230-0077
Facility Name Poptart 12 Federal #4H	Facility Type Tank Battery

Surface Owner: Federal	Mineral Owner	Lease No. (API#) 30-015-39712
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LOCATION OF RELEASE

Unit Letter D	Section 121	Township 19S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.68048 ° Longitude W 103.82900 °

NATURE OF RELEASE

Type of Release: Oil	Volume of Release 9 bbls	Volume Recovered 0 bbls
Source of Release Gasket on FWKO	Date and Hour of Occurrence 12-02-2013	Date and Hour of Discovery 12-02-2013 12:30 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

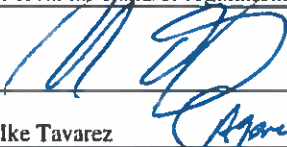
Describe Cause of Problem and Remedial Action Taken.*

A gasket failed on a FWKO. Replaced the gasket

Describe Area Affected and Cleanup Action Taken.*

Initially 9 bbls of oil were released from a gasket that failed on a FWKO. None of the fluids were recovered. Tetra Tech inspected site and collected samples to define spills extent. Soil that exceeded RRAL was removed and hauled away for proper disposal. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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: Ike Tavarez		Approved by District Supervisor:	
Title: Senior Project Manager, P.G.		Approval Date:	Expiration Date:
E-mail Address: ike.tavarez@tetrattech.com		Conditions of Approval:	
Date: 7-16-14 Phone: (432) 687-8110		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
COG -Poptart 12 Federal #4H
Eddy County, New Mexico

18 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23 44	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15 98	14	13
19	20	21	22	23 317	24
30	29	28	27	26	25
31	32	33	34	35 261	36

18 South			32 East		
6	5	4 65	3	2	1
7 460	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27 429	26	25
31	32	33	34	35	36

19 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

19 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

19 South			32 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

20 South			30 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

20 South			31 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

20 South			32 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data
- Field water level
- New Mexico Water and Infrastructure Data System

Appendix C

Summary Report

Ike Tavaraz
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: January 17, 2014

Work Order: 14011003



Project Location: Eddy Co, NM
Project Name: COG/Poptart 12 Federal #4H
Project Number: 112MC06165

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
351111	AH-1 0-1'	soil	2014-01-06	00:00	2014-01-09
351112	AH-1 2-2.5'	soil	2014-01-06	00:00	2014-01-09
351113	AH-1 3-3.5'	soil	2014-01-06	00:00	2014-01-09
351114	AH-1 4-4.5'	soil	2014-01-06	00:00	2014-01-09
351115	AH-2 0-1'	soil	2014-01-06	00:00	2014-01-09
351116	AH-2 1-1.5'	soil	2014-01-06	00:00	2014-01-09
351117	AH-2 2-2.5'	soil	2014-01-06	00:00	2014-01-09
351118	AH-3 0-1'	soil	2014-01-06	00:00	2014-01-09

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
351111 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<4.00
351115 - AH-2 0-1'	<0.100	<0.100	<0.100	<0.100	320 ug	<20.0
351116 - AH-2 1-1.5'					141 ug	<20.0
351117 - AH-2 2-2.5'					<50.0 ug	<4.00
351118 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	92.1 ug	<4.00

Sample: 351111 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		67.8	mg/Kg	4

Sample: 351112 - AH-1 2-2.5'

continued ...

sample 351112 continued ...

Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Chloride		<20.0	mg/Kg	4

Sample: 351113 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		1340	mg/Kg	4

Sample: 351114 - AH-1 4-4.5'

Param	Flag	Result	Units	RL
Chloride		3290	mg/Kg	4

Sample: 351115 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		53.2	mg/Kg	4

Sample: 351116 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1390	mg/Kg	4

Sample: 351117 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		48.4	mg/Kg	4

Sample: 351118 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		1160	mg/Kg	4

Summary Report

Ike Tavaréz
Tetra Tech
1901 N. Big Spring St.
Midland, TX 79705

Report Date: May 21, 2014

Work Order: 14051610



Project Location: Eddy Co, NM
Project Name: COG/Poptart 12 Federal #4II
Project Number: 112MC06165

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
363210	BH-1 4-5'	soil	2014-05-14	00:00	2014-05-16
363211	BH-1 6-7'	soil	2014-05-14	00:00	2014-05-16
363212	BH-1 9-10'	soil	2014-05-14	00:00	2014-05-16
363213	BH-1 14-15'	soil	2014-05-14	00:00	2014-05-16
363214	BH-1 19-20'	soil	2014-05-14	00:00	2014-05-16
363215	BH-1 29-30'	soil	2014-05-14	00:00	2014-05-16
363216	BH-1 39-40'	soil	2014-05-14	00:00	2014-05-16
363217	BH-1 49-50'	soil	2014-05-14	00:00	2014-05-16
363218	BH-2 4-5'	soil	2014-05-14	00:00	2014-05-16
363219	BH-2 6-7'	soil	2014-05-14	00:00	2014-05-16
363220	BH-2 9-10'	soil	2014-05-14	00:00	2014-05-16
363221	BH-2 14-15'	soil	2014-05-14	00:00	2014-05-16
363222	BH-2 19-20'	soil	2014-05-14	00:00	2014-05-16
363223	BH-2 24-25'	soil	2014-05-14	00:00	2014-05-16
363224	BH-2 29-30'	soil	2014-05-14	00:00	2014-05-16

Sample: 363210 - BH-1 4-5'

Param	Flag	Result	Units	RL
Chloride		700	mg/Kg	4

Sample: 363211 - BH-1 6-7'*continued ...*

sample 363211 continued ...

Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Chloride		850	mg/Kg	4

Sample: 363212 - BH-1 9-10'

Param	Flag	Result	Units	RL
Chloride		1000	mg/Kg	4

Sample: 363213 - BH-1 14-15'

Param	Flag	Result	Units	RL
Chloride		1100	mg/Kg	4

Sample: 363214 - BH-1 19-20'

Param	Flag	Result	Units	RL
Chloride		950	mg/Kg	4

Sample: 363215 - BH-1 29-30'

Param	Flag	Result	Units	RL
Chloride		2200	mg/Kg	4

Sample: 363216 - BH-1 39-40'

Param	Flag	Result	Units	RL
Chloride	Q*	3720	mg/Kg	4

Sample: 363217 - BH-1 49-50'

Param	Flag	Result	Units	RL
Chloride	Q*	2260	mg/Kg	4

Sample: 363218 - BH-2 4-5'

Param	Flag	Result	Units	RL
Chloride	Q*	1030	mg/Kg	4

Sample: 363219 - BH-2 6-7'

Param	Flag	Result	Units	RL
Chloride	Q*	1620	mg/Kg	4

Sample: 363220 - BH-2 9-10'

Param	Flag	Result	Units	RL
Chloride	Q*	1570	mg/Kg	4

Sample: 363221 - BH-2 14-15'

Param	Flag	Result	Units	RL
Chloride	Q*	735	mg/Kg	4

Sample: 363222 - BH-2 19-20'

Param	Flag	Result	Units	RL
Chloride	Q*	539	mg/Kg	4

Sample: 363223 - BH-2 24-25'

Param	Flag	Result	Units	RL
Chloride	Q*	<20.0	mg/Kg	4

Sample: 363224 - BH-2 29-30'

Param	Flag	Result	Units	RL
Chloride	Q*	147	mg/Kg	4