AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pJXK1607033792

1RP - 4205

COG OPERATING LLC

3/10/2016

pJXK1607033792
4285

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	Crockett State #002H	Facility Type	Tank Battery

Surface Owner State	Mineral Owner	Lease No. (API#) 30-025-41080

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	20	21S	33E					Lea

Latitude 32.46523 Longitude 103.58663

NATURE OF RELEASE

Type of Release Oil and produced water	Volume of Release 7bbls of oil 120bbls of produced water	Volume Recovered 5bbls of oil 15bbls of produced water
Source of Release Load line	Date and Hour of Occurrence 01-25-2014	Date and Hour of Discovery 01-25-2014 11:00am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher - NMOCD	
By Whom? Robert Grubbs Jr.	Date and Hour 01-26-2014 4:58pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Someone had open the load line going to the water tank on purpose. Closed valve.

Describe Area Affected and Cleanup Action Taken.*

Initially 7bbls of oil and 120bbls of produced water were released. We were able to recover 5bbls of oil and 15bbls of produced water with a vacuum truck. 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 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: Robert Grubbs	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 ☐
Date: 02-03-2014 Phone: 432-661-6601		

* Attach Additional Sheets If Necessary

GW = 163' (1T GW = 150')

SITE INFORMATION

Report Type: Work Plan

General Site Information:						
Site:	Crockett State #2H					
Company:	COG Operating LLC					
Section, Township and Range	Unit H	Sec 20	T 21S	R 33E		
Lease Number:	API-30-025-41080					
County:	Lea County					
GPS:	32.46523° N			103.58663° W		
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection of Hwy 176 and CR 27-A (Marathon Road), go 2.2 miles east on Hwy 176 and turn right (south) go 3.7 miles on lease road, turn right (west) go 4.8 miles and turn right (north) and go 1.9 miles to location.					

Release Data:	
Date Released:	1/25/2014
Type Release:	Oil and Produce Water
Source of Contamination:	Load Line
Fluid Released:	7 bbls of Oil, 120 bbls of Produced Water
Fluids Recovered:	5 bbls of Oil, 15 bbls of Produced Water

Official Communication:			
Name:	Robert McNeill		Ike Tavarez
Company:	COG Operating, LLC		Tetra Tech
Address:	One Concho Center		4000 N. Big Spring
	600 W. Illinois Ave.		Suite 401
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		(432) 682-4559
Fax:	(432) 684-7137		
Email:	rmcneill@conchoresources.com		ike.tavarez@tetratech.com

Ranking Criteria		
Depth to Groundwater:	***Ranking Score***	***Site Data***
<50 ft	20	
50-99 ft	10	
>100 ft.	0	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

HOBBS OCD

MAY 29 2014

RECEIVED

approved (also see email)

Environmental Specialist
NMOCD - DIST 1
5/29/14

TETRA TECH

May 15, 2014

Mr. Geoffrey Leking
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Work Plan for the COG Operating LLC., Crockett State #2H, Unit H, Section 20, Township 21 South, Range 33 East, Lea County, New Mexico.

Mr. Leking:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC., (COG) to assess a spill from the Crockett State #2H, Unit H, Section 20, Township 21 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are N 32.46523°, W 103.58663°. 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 January 25, 2014, and released approximately seven (7) barrels of oil and one hundred and twenty (120) barrels of produced water from a load line with five (5) barrels of oil and fifteen (15) barrels of produced water recovered. The spill is located on the pad measuring approximately 90' x 160'. The initial C-141 form is enclosed in Appendix C.

Groundwater

No water wells were listed within Section 20. According to the NMOCD groundwater map, the average depth to groundwater in this area is approximately 150' below surface. The average depth to groundwater map is shown in Appendix A.

Tetra Tech
4000 North Big Spring, Suite 401, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 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 April 10, 2014, Tetra Tech personnel inspected and sampled the spill area. Seven (7) auger holes (AH-1 through AH-7) 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 B. 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 auger hole samples exceeded the RRAL's for TPH and BTEX.

The areas of AH-6 did not show a significant chloride impact to the soils with a chloride high of 867 mg/kg and declined with depth. In addition, the area of AH-7 detected chloride spikes at 4.0', 5.0' and 6.0' of 2,300 mg/kg, 4,340 mg/kg and 1,490 mg/kg, respectively. The deeper samples declined with depth to 398 mg/kg at 7.0'. The remaining auger holes (AH-1, AH-2, AH-3, AH-4 and AH-5) showed elevated chloride concentrations ranging from 1,050 mg/kg to 5,850 mg/kg at 1.0' to 2.0' below surface.

Work Plan

COG proposes to excavate the impacted soil highlighted (green) in Table 1 and shown on Figure 4. The areas of AH-1 through AH-5 will be excavated 1.0' to 2.0' to remove the elevated chloride concentrations in the shallow soils. A trench will be installed in the area of AH-7 to re-evaluate and confirm the chloride concentrations. Based on the results, the area will be properly addressed. All of the excavated material will be transported offsite for proper disposal. Once final excavation depths are achieved, the site will be backfilled with clean material and brought to grade.

Due to the location of the spill, the proposed excavation depths or deeper excavation may not be achieved due to wall cave ins, limited access, oil and gas equipment, electrical, structures or lines which may not be feasible or practicable

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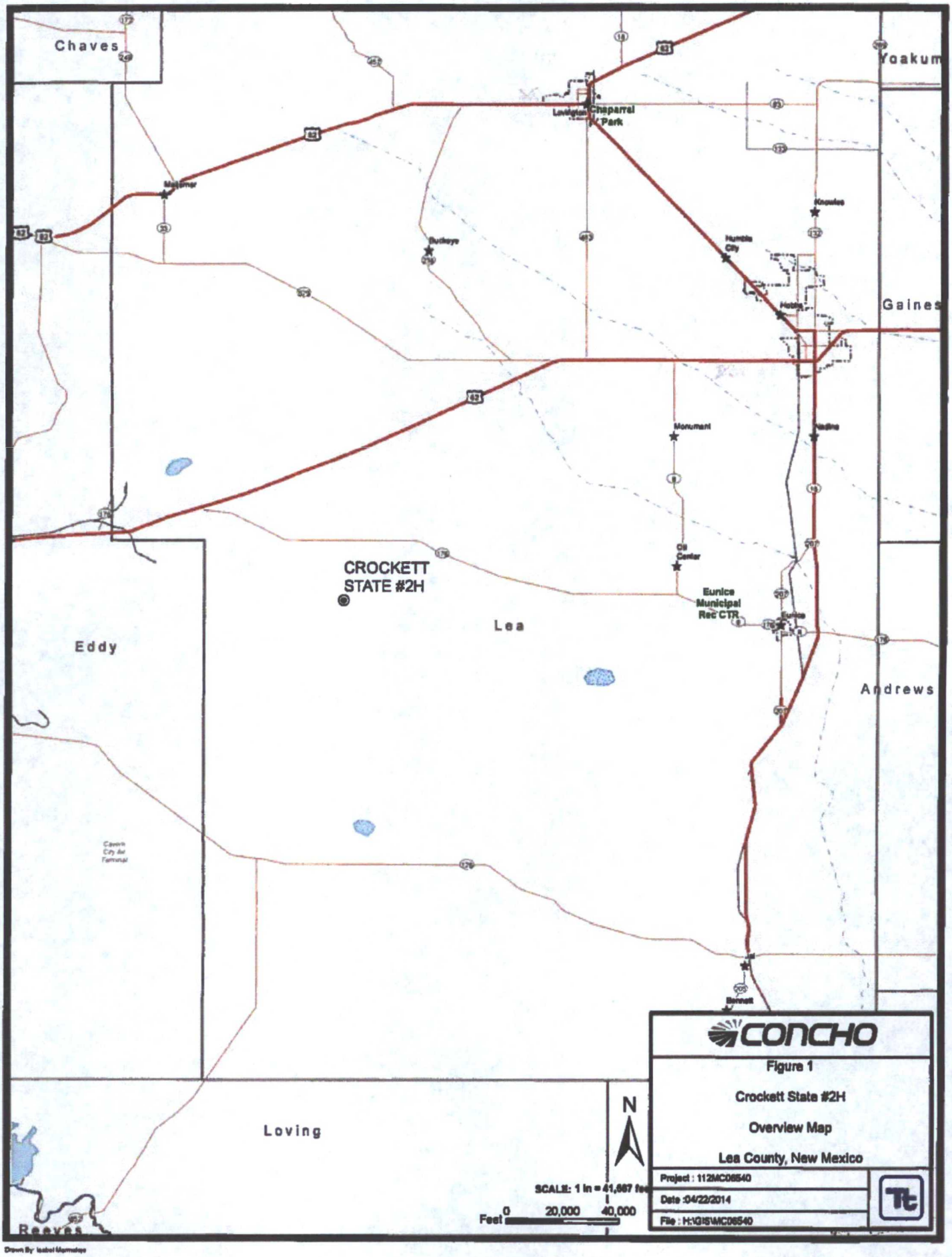
to be removed due to safely concerns. As such, Tetra Tech will excavate the soils to the maximum extent practicable. If the impacted soil is not accessible, the soil will be deferred until the abandonment of the facility.

Upon completion, a final report will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call me at (432) 682-4559.

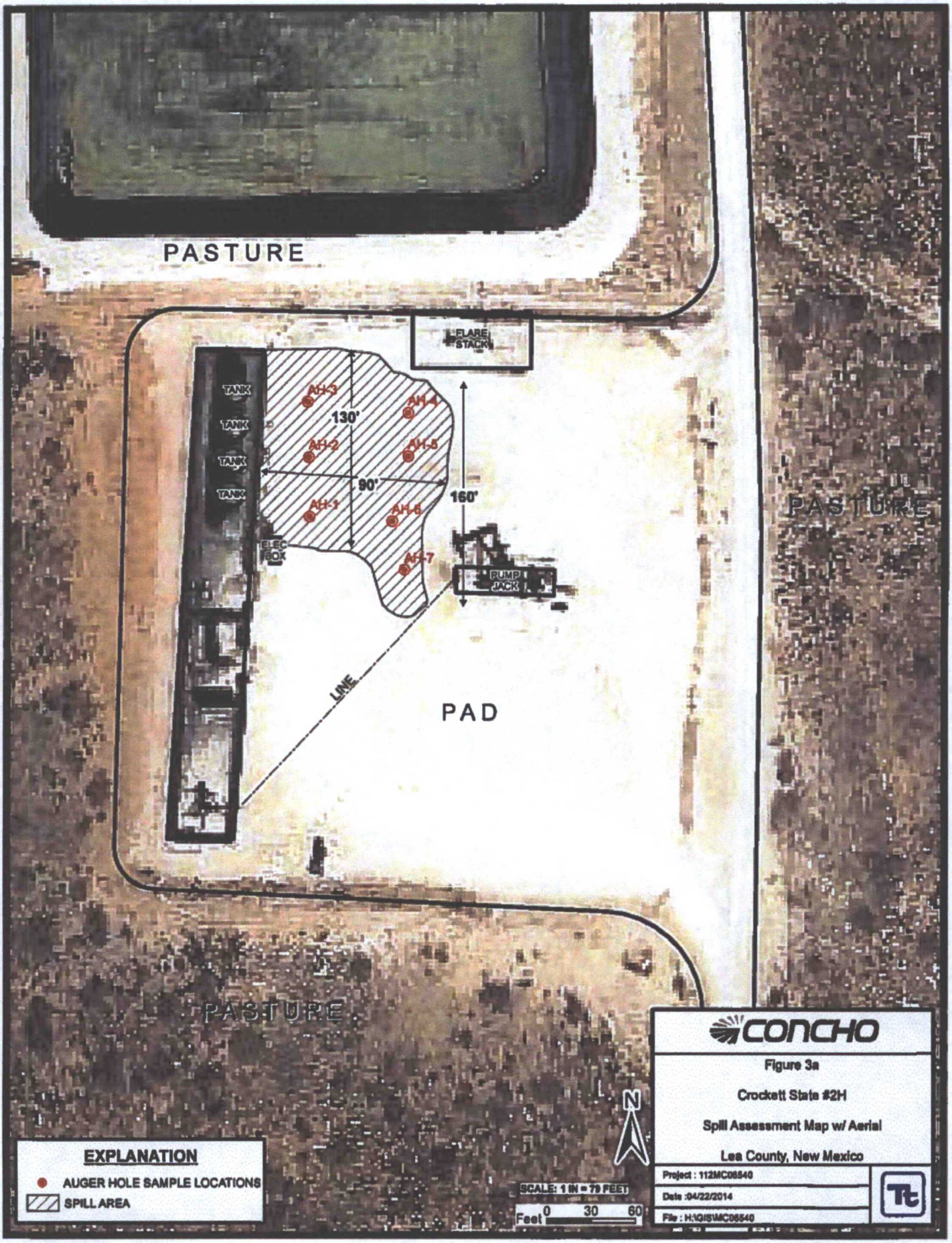
Respectfully submitted,
TETRA TECH

Ike Tavarez, PG
Project Manager

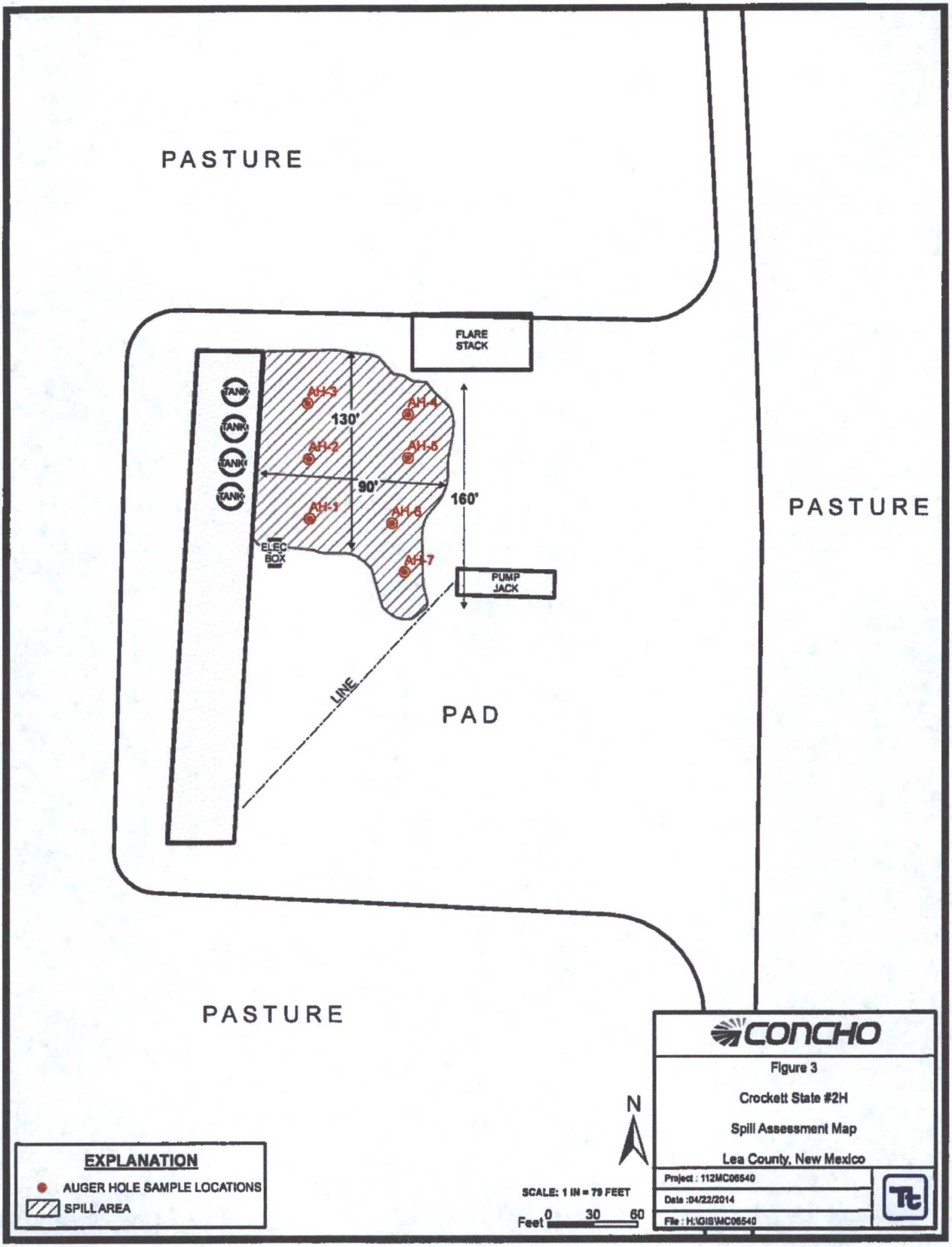
cc: Robert McNeill – COG


Chaves
Yoakum
Gaines
Andrews
Eddy
Lea
Loving
Reeves
CROCKETT
STATE #2H
Lovington
Chaparral
Park
Maljamar
Buckeye
Hobbs
Monument
Eunice
Oil
Center
Eunice
Municipal
Rec CTR
Jal
Bennett
Cavern
City Air
Terminal
N
SCALE: 1 In = 41,667 fe
Feet 0 20,000 40,000
CONCHO
Figure 1
Crockett State #2H
Overview Map
Lea County, New Mexico
Project : 112MC06540
Date :04/22/2014
File : H:\GIS\MC06540
Drawn By: Isabel Marmolejo

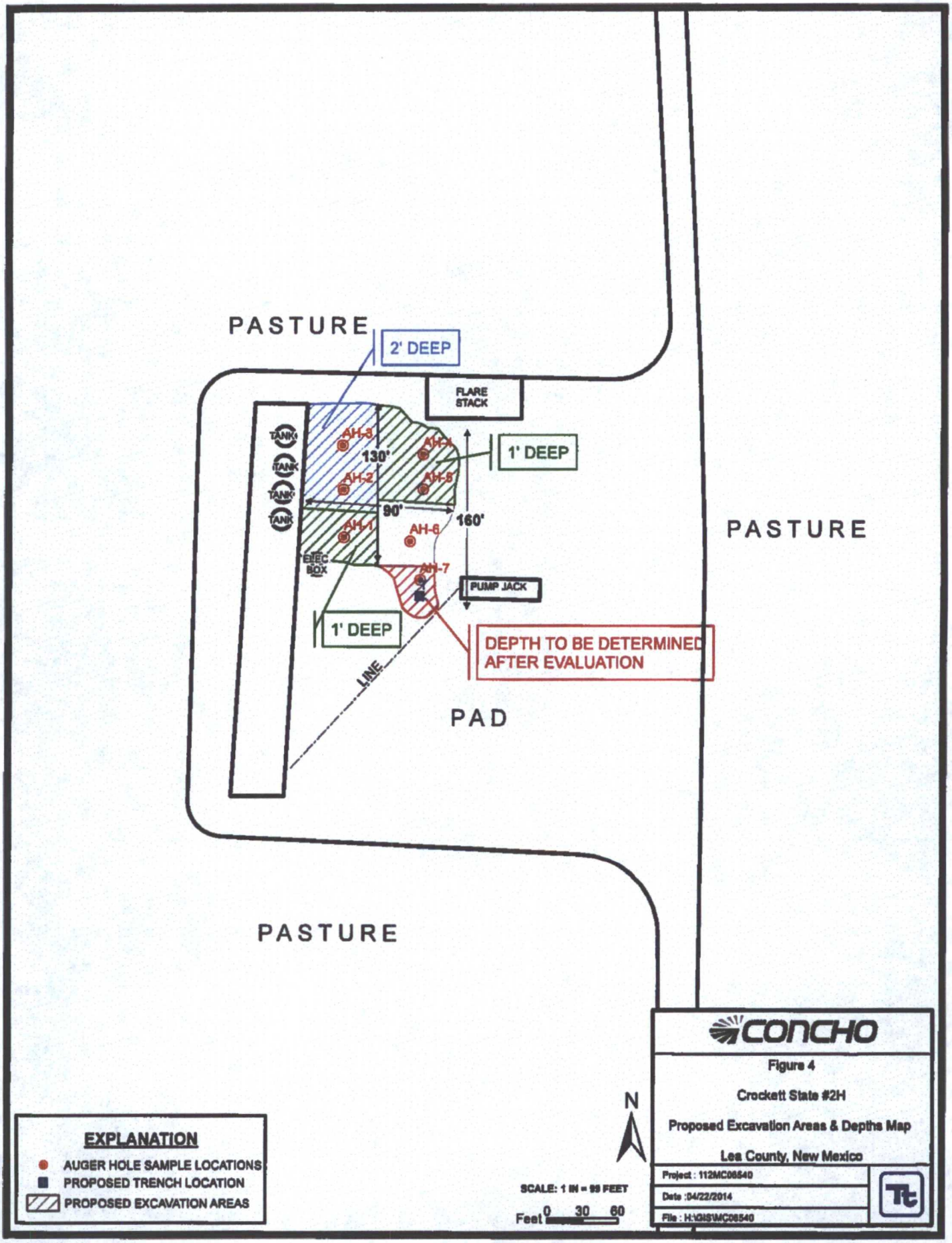
Drawn By: Isabel Marmolejo



Drawn By: Isabel Marmolejo



Drawn By: Isabel Mamaloja



Drawn By: Isabel Marroquin

Table 1
COG Operating LLC.
Crockett St 2H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-1	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,380
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	873
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	670
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	426
AH-2	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	4,180
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	1,080
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	122
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	<20.0
AH-3	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	5,850
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	1,320
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	141
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	131
AH-4	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,050
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	221
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	40.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	<20.0

Table 1
COG Operating LLC.
Crockett St 2H
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-5	4/10/2014	0-1	-	X		33.2	1,460	1493	<0.0200	<0.0200	<0.0200	0.697	0.697	4,600
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	493
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	<20.0
AH-6	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	867
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	306
AH-7	4/10/2014	0-1	-	X		<4.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	102
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	204
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	153
T	"	4-4.5	-	X		-	-	-	-	-	-	-	-	2,300
	"	5-5.5	-	X		-	-	-	-	-	-	-	-	4,340
	"	6-6.5	-	X		-	-	-	-	-	-	-	-	1,490
	"	7-7.5	-	X		-	-	-	-	-	-	-	-	398
	"	8-8.5	-	X		-	-	-	-	-	-	-	-	249
	"	9-9.5	-	X		-	-	-	-	-	-	-	-	199

(-) Not Analyzed

(BEB) Below Excavation Bottom

Proposed Excavation Depths

T Proposed Trench

COG Operating LLC
Crockett St. #2H
Tank Battery
Lea County, New Mexico

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View East – Area of AH-1

View North – Areas of AH-1, AH-2, and AH-3

COG Operating LLC
Crockett St. #2H
Tank Battery
Lea County, New Mexico

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View South – Areas of AH-4, AH-5, and AH-6

View East – Areas of AH-6 and AH-7

Water Well Data
Average Depth to Groundwater (ft)
COG - Crockett St. #2H Tank Battery
Lea County, New Mexico

---

20 South 33 East

6	5 325 278	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24 +300
30	29	28	27	26	25
31	32	33	34	35	36

20 South 34 East

6	5	4 125	3	2	1
7	8	9	10	11	12
18	17 128 140	16	15	14 150	13
19	20	21	22	23	24 270
30	29	28	27	26	25
31	32	33	34 82	35	36

20 South 35 East

6 56 64	5 64	4	3	2	1
7	8	9	10	11	12 49
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31 65	32	33 89	34	35	36

21 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

21 South 33 East

6	5	4	3	2 79 107	1
7	8	9	10	11 150	12
18	17	16	15	14	13
19	20 SITE	21	22	23	24
30	29	28 179	27	26	25
31	32	33 180	34	35	36

21 South 34 East

6	5	4 95	3	2	1
7	8 120	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28 140	27	26	25
31	32	33	34	35	36

22 South 32 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14 382 350	13
19 (S) 280	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 33 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13 391
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 34 East

6	5	4	3	2	1
7	8	9	10	11 30	12 50
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

Summary Report

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

Report Date: April 16, 2014

Work Order: 14041126

Project Location: Lea Co, NM
Project Name: COG/Crockett St 2H
Project Number: 112MC06540

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
360226	AH-1 0-1'	soil	2014-04-10	00:00	2014-04-11
360227	AH-1 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360228	AH-1 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360229	AH-1 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360230	AH-2 0-1'	soil	2014-04-10	00:00	2014-04-11
360231	AH-2 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360232	AH-2 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360233	AH-2 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360234	AH-3 0-1'	soil	2014-04-10	00:00	2014-04-11
360235	AH-3 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360236	AH-3 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360237	AH-3 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360238	AH-4 0-1'	soil	2014-04-10	00:00	2014-04-11
360239	AH-4 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360240	AH-4 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360241	AH-4 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360242	AH-5 0-1'	soil	2014-04-10	00:00	2014-04-11
360243	AH-5 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360244	AH-5 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360245	AH-5 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360246	AH-6 0-1'	soil	2014-04-10	00:00	2014-04-11
360247	AH-6 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360248	AH-6 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360249	AH-6 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360250	AH-7 0-1'	soil	2014-04-10	00:00	2014-04-11
360251	AH-7 1-1.5'	soil	2014-04-10	00:00	2014-04-11
360252	AH-7 2-2.5'	soil	2014-04-10	00:00	2014-04-11
360253	AH-7 3-3.5'	soil	2014-04-10	00:00	2014-04-11
360254	AH-7 4-4.5'	soil	2014-04-10	00:00	2014-04-11
360255	AH-7 5-5.5'	soil	2014-04-10	00:00	2014-04-11

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
360256	AH-7 6-6.5'	soil	2014-04-10	00:00	2014-04-11
360257	AH-7 7-7.5'	soil	2014-04-10	00:00	2014-04-11
360258	AH-7 8-8.5'	soil	2014-04-10	00:00	2014-04-11
360259	AH-7 9-9.5'	soil	2014-04-10	00:00	2014-04-11

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
360226 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00
360230 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00
360234 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00
360238 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00
360242 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	0.697 Qr,Qs	1460 Qs	33.2
360246 - AH-6 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00
360250 - AH-7 0-1'	<0.0200	<0.0200	<0.0200	<0.0200 Qr,Qs	<50.0 Qs	<4.00

Sample: 360226 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		1380	mg/Kg	4

Sample: 360227 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		873	mg/Kg	4

Sample: 360228 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		670	mg/Kg	4

Sample: 360229 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		426	mg/Kg	4

Sample: 360230 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		4180	mg/Kg	4

Sample: 360231 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1080	mg/Kg	4

Sample: 360232 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		122	mg/Kg	4

Sample: 360233 - AH-2 3-3.5'

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

Sample: 360234 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		5850	mg/Kg	4

Sample: 360235 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1320	mg/Kg	4

Sample: 360236 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		141	mg/Kg	4

Sample: 360237 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		131	mg/Kg	4

Sample: 360238 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		1050	mg/Kg	4

Sample: 360239 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		221	mg/Kg	4

Sample: 360240 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		40.0	mg/Kg	4

Sample: 360241 - AH-4 3-3.5'

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

Sample: 360242 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		4600	mg/Kg	4

Sample: 360243 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		493	mg/Kg	4

Sample: 360244 - AH-5 2-2.5'

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

Sample: 360245 - AH-5 3-3.5'

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

Sample: 360246 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		867	mg/Kg	4

Sample: 360247 - AH-6 1-1.5'

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

Sample: 360248 - AH-6 2-2.5'

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

Sample: 360249 - AH-6 3-3.5'

Param	Flag	Result	Units	RL
Chloride		306	mg/Kg	4

Sample: 360250 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		102	mg/Kg	4

Sample: 360251 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		204	mg/Kg	4

Sample: 360252 - AH-7 2-2.5'

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

Sample: 360253 - AH-7 3-3.5'

Param	Flag	Result	Units	RL
Chloride		153	mg/Kg	4

Sample: 360254 - AH-7 4-4.5'

Param	Flag	Result	Units	RL
Chloride		2300	mg/Kg	4

Sample: 360255 - AH-7 5-5.5'

Param	Flag	Result	Units	RL
Chloride		4340	mg/Kg	4

Sample: 360256 - AH-7 6-6.5'

Param	Flag	Result	Units	RL
Chloride		1490	mg/Kg	4

Sample: 360257 - AH-7 7-7.5'

Param	Flag	Result	Units	RL
Chloride		398	mg/Kg	4

Sample: 360258 - AH-7 8-8.5'

Param	Flag	Result	Units	RL
Chloride		249	mg/Kg	4

Sample: 360259 - AH-7 9-9.5'

Param	Flag	Result	Units	RL
Chloride		199	mg/Kg	4