SITE INFORMATION

Report Type: Work Plan

General Site Information:						
Site:	Sand Tank 32 State Commingle #2 - 6" Water Line					
Company:	COG Operating LLC					
Section, Township and Range	Unit J	Sec. 32	T-17-S	R-30-E		
Lease Number:	API- 30-015-29513					
County:	Eddy County					
GPS:	32.78840° N			103.99165° W		
Surface Owner:	State					
Mineral Owner:						
Directions:	Intersection of 529 and CR-216 travel south on CR-216 2.2 mi to Hagerman Cutoff, continue south 0.3, turn left 1.1 mi on lease road, turn left 0.7 mi to location.					

Release Data:	
Date Released:	5/16/2012
Type Release:	Produced Fluids
Source of Contamination:	6"water line failed
Fluid Released:	100 bbls
Fluids Recovered:	75 bbls

Official Communication:			
Name:	Pat Ellis		Ike Tavarez
Company:	COG Operating, LLC		Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		(432) 682-4559
Fax:	(432) 684-7137		
Email:	pellis@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

TETRA TECH

August 8, 2012

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Re: Assessment and Work Plan for the COG Operating LLC., Sand Tank 32 State Commingle #2 – 6" Water Line Located in Unit J, Section 32, Township 17 South, Range 30 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 Sand Tank 32 State Commingle #2 – 6" Water Line Located in Unit J, Section 32, Township 17 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.78840°, W 103.99165°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico Oil Conservation Division (NMOCD) Form C-141 Initial Report, the leak was discovered on May 16, 2012, and released approximately 100 barrels (bbls) of produced water due to a ruptured 6" water line. COG personnel replaced the defective line. Approximately seventy-five (75) bbls of free fluids were recovered from the spill area.

The spill initiated from the 6" waterline located north-northwest of the tank battery outside the facility firewalls. The impacted area measured approximately 120' x 120'. The spill footprint is shown on Figure 3. The initial Form C-141 is enclosed in Appendix A.

Groundwater

No wells were located in Section 32. According to the NMOCD groundwater map, depth to groundwater in this area is approximately 250' below surface. The groundwater data is shown in Appendix B.

Tetra Tech
1910 North Big Spring, 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 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

On July 2, 2012, Tetra Tech personnel inspected and sampled the spill area. A total of five (5) auger holes (AH-1 through AH-5) were installed using a stainless steel hand auger to assess the impacted soils to a maximum depth of 10-10.5' below surface. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. The sampling results are summarized in Table 1. The auger hole locations are shown on Figure 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Referring to Table 1, all of the submitted samples were below the RRAL for TPH and BTEX. A shallow chloride impact was detected at the site. Auger holes (AH-1, AH-2 and AH-3) showed a significant chloride declined at 2.0' below surface. Auger hole (AH-3) showed chloride spikes in the subsurface soils of 3,200 mg/kg at 7-7.5' and 2,050 mg/kg at 8-8.5', which declined to <20.0 mg/kg at 9.0' below surface. These spiked chloride concentrations appear to be either a historical impact or residue from the adjacent reserve pit.

Work Plan

COG proposes to remove impacted material as highlighted (green) in Table 1 and shown on Figure 4. The areas of auger holes (AH-1, AH-2, and AH-3) will be excavated to 1.0 to 2.0' below surface and 3.0' to 4.0' in the area of AH-5. The excavated soil will be transported offsite for proper disposal. Once excavated to the appropriate depths, the site will be backfilled with clean material.

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 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.

TETRA TECH

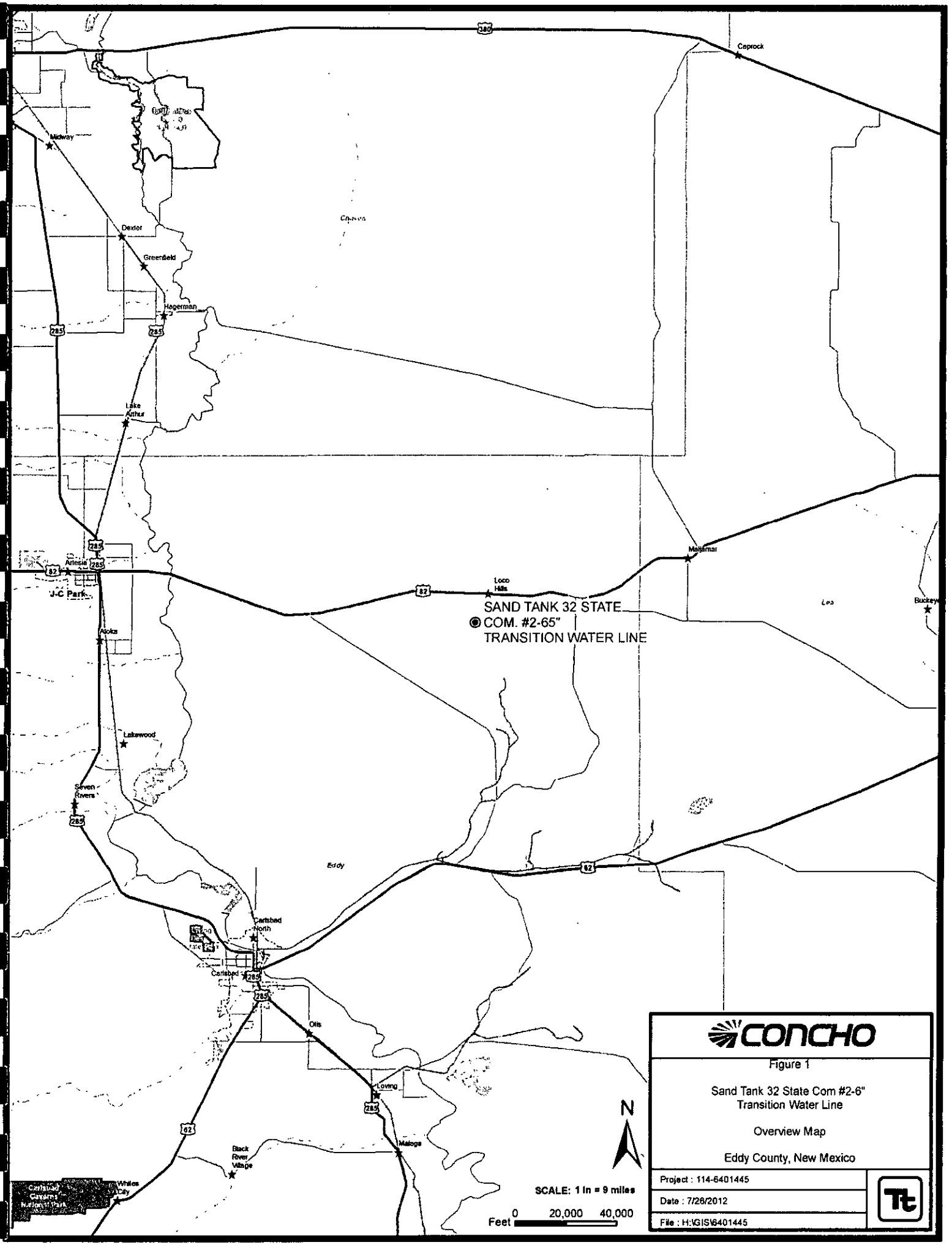
Upon completion, a final report will be submitted to the NMOCD. If you have any questions or require any additional information regarding this work plan, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

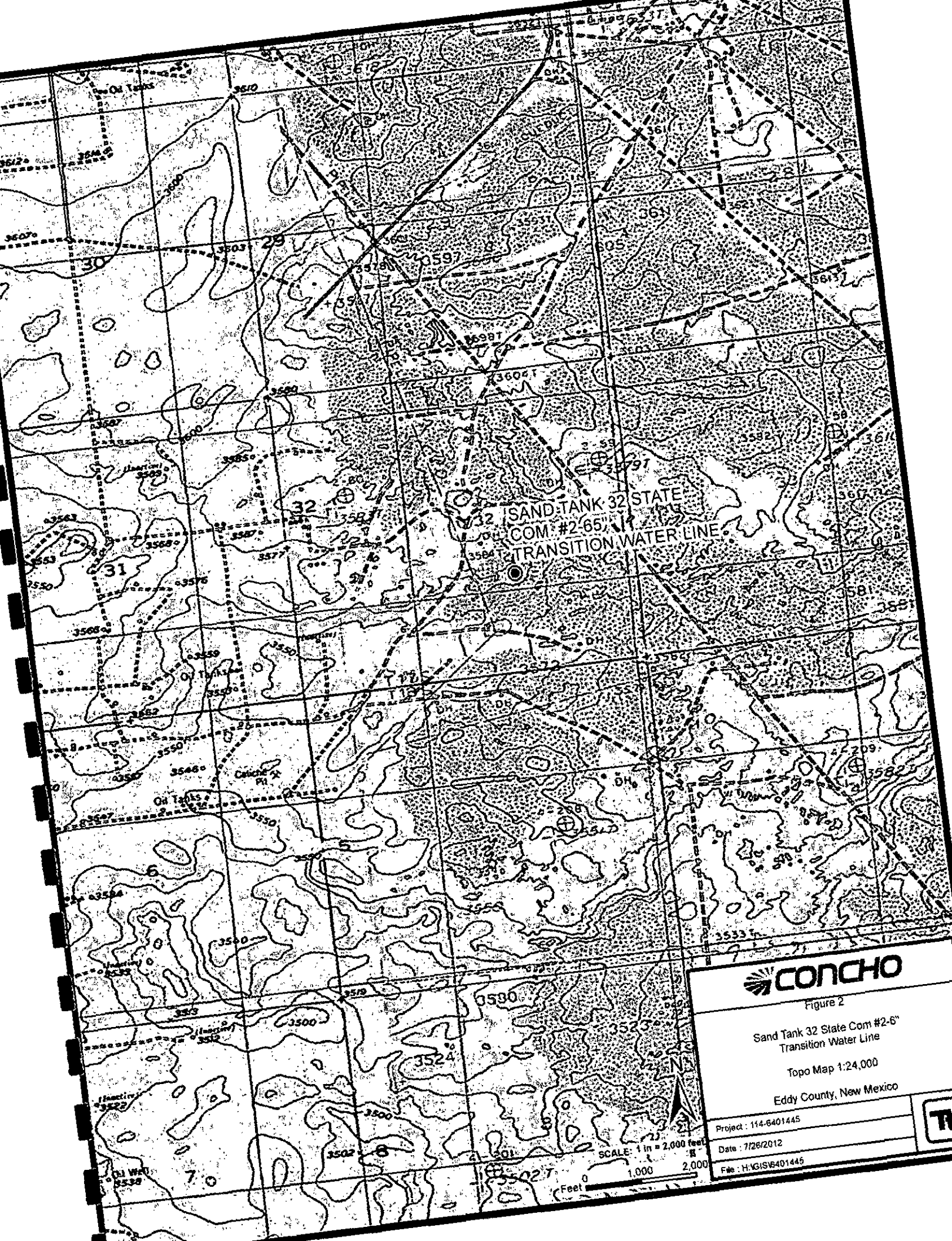
Ike Tavarez
Senior Project Manager

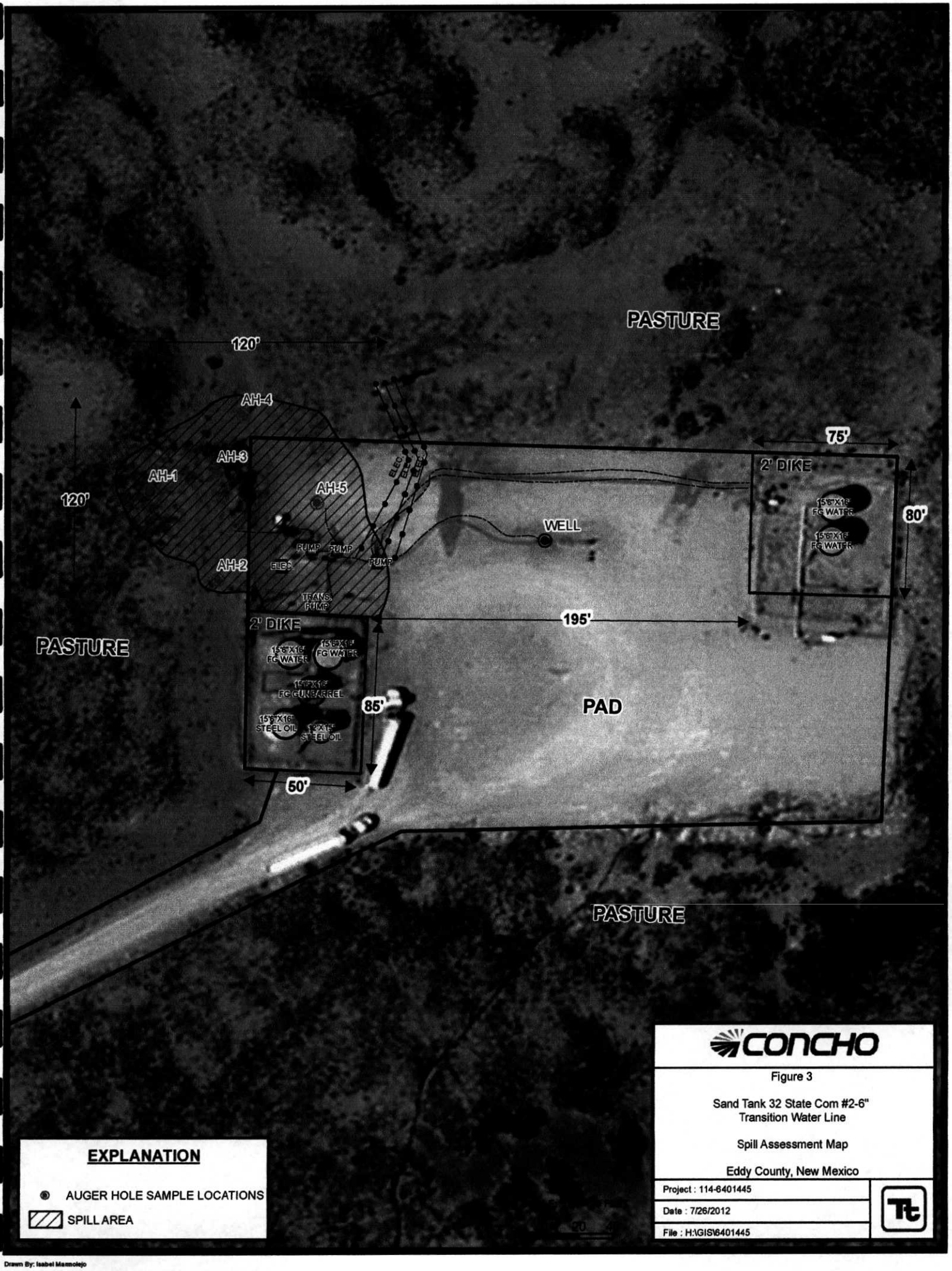
cc: Pat Ellis – COG

Figures



Drawn By: Isabel Manriquejo


SAND TANK 32 STATE COM #2-65" TRANSITION WATER LINE
SCALE: 1 in = 2,000 feet
0
1,000
2,000
Feet
N
CONCHO
Figure 2
Sand Tank 32 State Com #2-6" Transition Water Line
Topo Map 1:24,000
Eddy County, New Mexico
Project : 114-6401445
Date : 7/26/2012
File : H:\GIS\6401445



EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- SPILL AREA

CONCHO

Figure 3

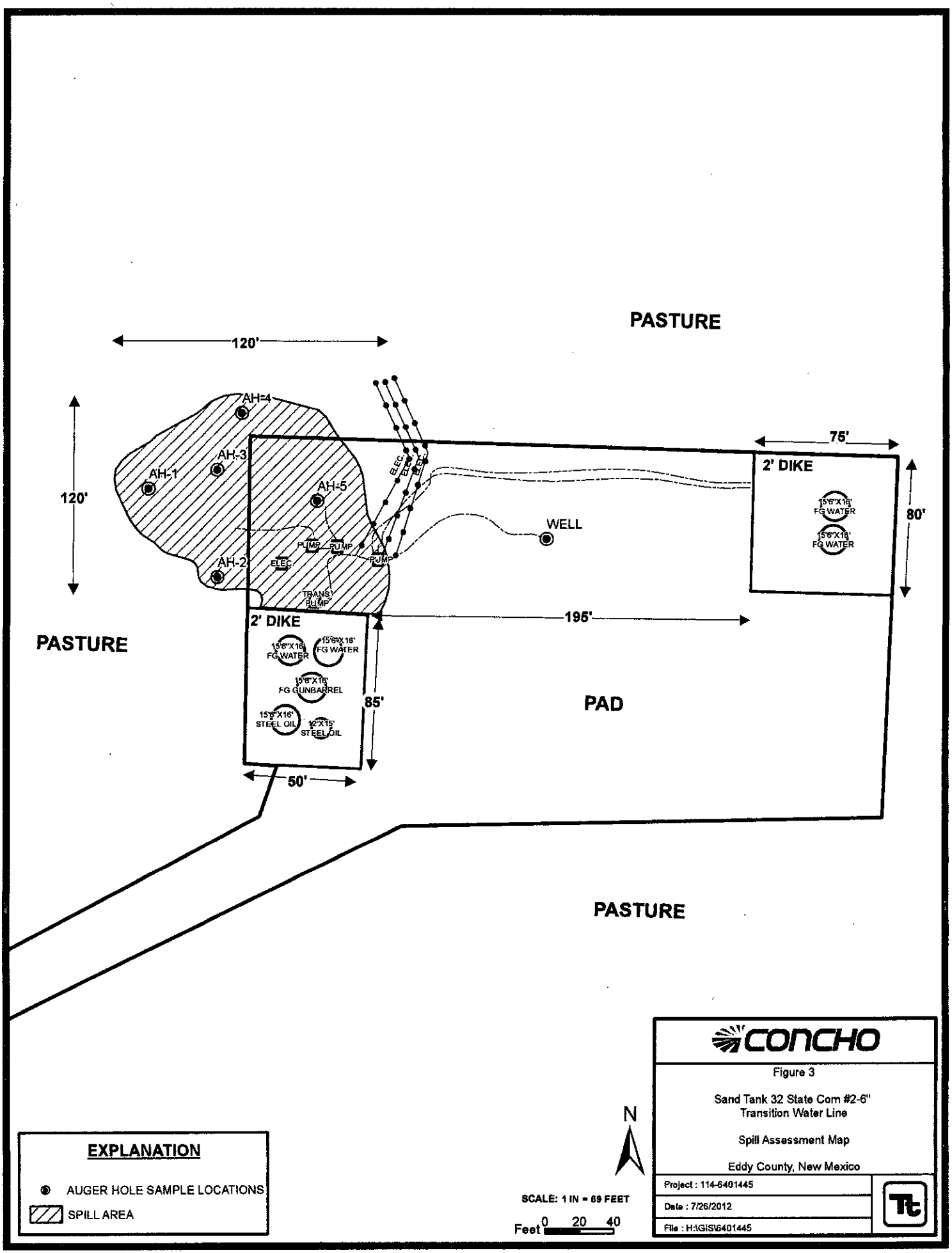
Sand Tank 32 State Com #2-6"
Transition Water Line

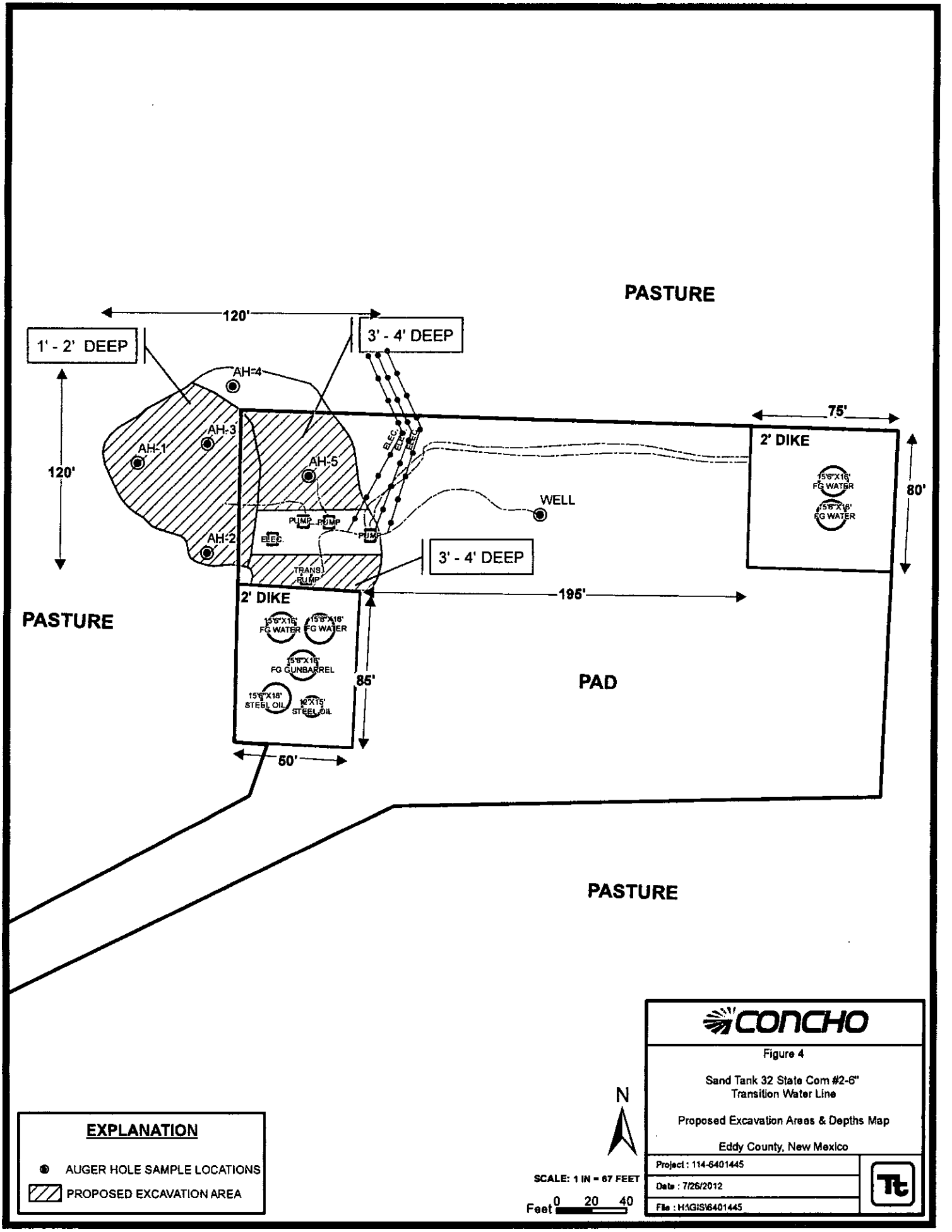
Spill Assessment Map

Eddy County, New Mexico

Project : 114-6401445	
Date : 7/26/2012	
File : H:\GIS\6401445	

Drawn By: Isabel Manolejo


PASTURE
120'
AH-4
AH-3
AH-1
AH-5
AH-2
120'
75'
2' DIKE
15'6"X16' FG WATER
15'6"X16' FG WATER
80'
WELL
ELEC
PUMP
PUMP
PUMP
ELEC
TRANS
PUMP
195'
PASTURE
2' DIKE
15'6"X16' FG WATER
15'6"X16' FG WATER
15'6"X16' FG GUNBARREL
15'6"X16' STEEL OIL
12'X15' STEEL OIL
85'
PAD
50'
PASTURE
EXPLANATION
AUGER HOLE SAMPLE LOCATIONS
SPILL AREA
N
SCALE: 1 IN = 69 FEET
Feet 0 20 40
CONCHO
Figure 3
Sand Tank 32 State Com #2-6" Transition Water Line
Spill Assessment Map
Eddy County, New Mexico
Project : 114-6401445
Date : 7/26/2012
File : H:\GIS\6401445
Drawn By: Isabel Marmolejo



EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- PROPOSED EXCAVATION AREA

N

SCALE: 1 IN = 67 FEET

Feet 0 20 40

CONCHO

Figure 4

Sand Tank 32 State Com #2-6" Transition Water Line

Proposed Excavation Areas & Depths Map

Eddy County, New Mexico

Project : 114-6401445

Date : 7/26/2012

File : H:\GIS\6401445

Drawn By: Isabel Marmolejo

Tables

Table 1
COG Operating LLC.
Sand Tank 32 State Commingle #2 - 6" Trans. Water Line
Eddy 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	7/2/2012	0-1	-	X		<2.00	50.8	50.8	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,760
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	2,060
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	539
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	416
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	29.4
AH-2	7/2/2012	0-1	-	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	784
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	3,940
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	588
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	1,340
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	654
	"	5-5.5	-	X		-	-	-	-	-	-	-	-	136
	"	6-6.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	7-7.5	-	X		-	-	-	-	-	-	-	-	33.9
	"	8-8.5	-	X		-	-	-	-	-	-	-	-	72.6
	"	9-9.5	-	X		-	-	-	-	-	-	-	-	29.1
	"	10-10.5	-	X		-	-	-	-	-	-	-	-	<20.0
AH-3	7/2/2012	0-1	-	X		<2.00	122	122	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	3,690
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	1,680
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	557
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	710
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	485
	"	5-5.5	-	X		-	-	-	-	-	-	-	-	176
	"	6-6.5	-	X		-	-	-	-	-	-	-	-	984
	"	7-7.5	-	X		-	-	-	-	-	-	-	-	3,220
	"	8-8.5	-	X		-	-	-	-	-	-	-	-	2,050
	"	9-9.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	10-10.5	-	X		-	-	-	-	-	-	-	-	<20.0

Table 1
COG Operating LLC.
Sand Tank 32 State Commingle #2 - 6" Trans. Water Line
Eddy 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-4	7/2/2012	0-1	-	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	994.0
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	5-5.5	-	X		-	-	-	-	-	-	-	-	<20.0
	"	6-6.5	-	X		-	-	-	-	-	-	-	-	<20.0
AH-5	7/2/2012	0-1	-	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	10,300
	"	1-1.5	-	X		-	-	-	-	-	-	-	-	4,750
	"	2-2.5	-	X		-	-	-	-	-	-	-	-	5,790
	"	3-3.5	-	X		-	-	-	-	-	-	-	-	6,620
	"	4-4.5	-	X		-	-	-	-	-	-	-	-	1,840
	"	5-5.5	-	X		-	-	-	-	-	-	-	-	576

(-) Not Analyzed

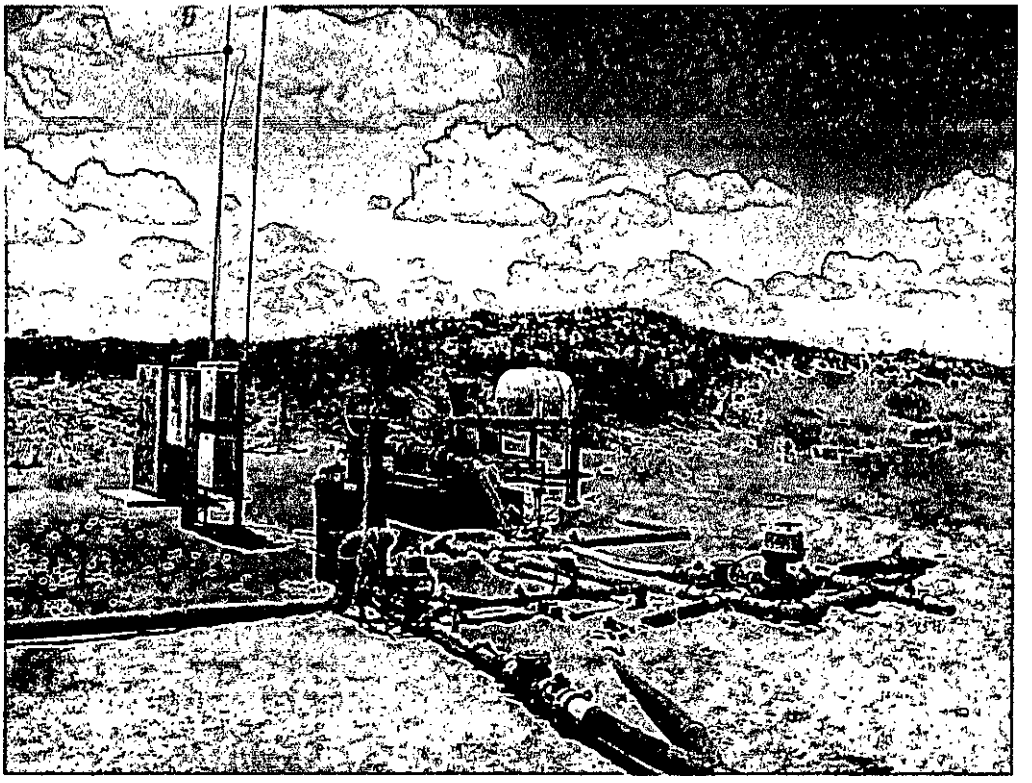
(BEB) Below Excavation Bottom

Proposed Excavation Depth

Photos

COG Operating LLC
Sand Tank 32 State Commingle #2
Eddy County, New Mexico

TETRA TECH



View west – Near Source

View east across spill path – Near AH-1 and AH-4

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	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	6" transition on water line (Sand Tank 32 State Com #2)	Facility Type	Water line

Surface Owner State	Mineral Owner	Lease No. (API#) 30-015-29513 Closest well location

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	32	17S	30E					Eddy

Latitude 32 47.286 **Longitude** 103 59.463

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 100bbls	Volume Recovered 75bbls
Source of Release Transition in 6" poly line	Date and Hour of Occurrence 05/16/2012	Date and Hour of Discovery 05/16/2012 7:00 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-OCD	
By Whom? Michelle Mullins	Date and Hour 05/16/2012 8:17 p.m.	
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.*

A ruptured transition in the 6" water transfer line caused the release. We have replaced the transition and returned the line into service.

Describe Area Affected and Cleanup Action Taken.*

Initially 100bbls were released from the ruptured water line and we were able to recover 75bbls with vacuum trucks. Tetra Tech will sample the spill site area 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:	OIL CONSERVATION DIVISION	
Printed Name: Josh Russo	Approved by District Supervisor:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval:	Attached ☐
Date: 06/04/2012 Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
COG - Sand Tank 32 State Commingle #2 - 6" Trans. Water Line
Eddy County, New Mexico

16 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19 **110**	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 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

16 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **288**
18	17	16	15	14	13 **113**
19	20	21	22	23	24
30	29	28	27	26	25
31 **290**	32	33	34	35	36

17 South 29 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22 **80**	23	24
30	29 **210** **208'**	28	27	26	25
31	32	33	34	35 153	36

17 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 **SITE**	33	34	35	36

17 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 **271**	35	36

18 South 29 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

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	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 **400**
18	17	16	15	14 **317**	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 **261**	36

New Mexico State Engineers Well Reports
USGS Well Reports
Geology and Groundwater Conditions in Southern Eddy, County, NM
NMOCD - Groundwater Data
Site Location

Appendix C

Summary Report

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

Report Date: July 20, 2012

Work Order: 12070602

Project Location: Eddy Co., NM
Project Name: Sand Tank 32 State Com #2-6 in. Trans. Water Line
Project Number: 114-6401445

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
302805	AH-1 0-1'	soil	2012-07-02	00:00	2012-07-05
302806	AH-1 1-1.5'	soil	2012-07-02	00:00	2012-07-05
302807	AH-1 2-2.5'	soil	2012-07-02	00:00	2012-07-05
302808	AH-1 3-3.5'	soil	2012-07-02	00:00	2012-07-05
302809	AH-1 4-4.5'	soil	2012-07-02	00:00	2012-07-05
302810	AH-2 0-1'	soil	2012-07-02	00:00	2012-07-05
302811	AH-2 1-1.5'	soil	2012-07-02	00:00	2012-07-05
302812	AH-2 2-2.5'	soil	2012-07-02	00:00	2012-07-05
302813	AH-2 3-3.5'	soil	2012-07-02	00:00	2012-07-05
302814	AH-2 4-4.5'	soil	2012-07-02	00:00	2012-07-05
302815	AH-2 5-5.5'	soil	2012-07-02	00:00	2012-07-05
302816	AH-2 6-6.5'	soil	2012-07-02	00:00	2012-07-05
302817	AH-2 7-7.5'	soil	2012-07-02	00:00	2012-07-05
302818	AH-2 8-8.5'	soil	2012-07-02	00:00	2012-07-05
302819	AH-2 9-9.5'	soil	2012-07-02	00:00	2012-07-05
302820	AH-2 10-10.5'	soil	2012-07-02	00:00	2012-07-05
302821	AH-3 0-1'	soil	2012-07-02	00:00	2012-07-05
302822	AH-3 1-1.5'	soil	2012-07-02	00:00	2012-07-05
302823	AH-3 2-2.5'	soil	2012-07-02	00:00	2012-07-05
302824	AH-3 3-3.5'	soil	2012-07-02	00:00	2012-07-05
302825	AH-3 4-4.5'	soil	2012-07-02	00:00	2012-07-05
302826	AH-3 5-5.5'	soil	2012-07-02	00:00	2012-07-05
302827	AH-3 6-6.5'	soil	2012-07-02	00:00	2012-07-05
302828	AH-3 7-7.5'	soil	2012-07-02	00:00	2012-07-05
302829	AH-3 8-8.5'	soil	2012-07-02	00:00	2012-07-05
302830	AH-3 9-9.5'	soil	2012-07-02	00:00	2012-07-05
302831	AH-3 10-10.5'	soil	2012-07-02	00:00	2012-07-05
302832	AH-4 0-1'	soil	2012-07-02	00:00	2012-07-05
302833	AH-4 1-1.5'	soil	2012-07-02	00:00	2012-07-05
302834	AH-4 2-2.5'	soil	2012-07-02	00:00	2012-07-05

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
302835	AH-4 3-3.5'	soil	2012-07-02	00:00	2012-07-05
302836	AH-4 4-4.5'	soil	2012-07-02	00:00	2012-07-05
302837	AH-4 5-5.5'	soil	2012-07-02	00:00	2012-07-05
302838	AH-4 6-6.5'	soil	2012-07-02	00:00	2012-07-05
302839	AH-5 0-1'	soil	2012-07-02	00:00	2012-07-05
302840	AH-5 1-1.5'	soil	2012-07-02	00:00	2012-07-05
302841	AH-5 2-2.5'	soil	2012-07-02	00:00	2012-07-05
302842	AH-5 3-3.5'	soil	2012-07-02	00:00	2012-07-05
302843	AH-5 4-4.5'	soil	2012-07-02	00:00	2012-07-05
302844	AH-5 5-5.5'	soil	2012-07-02	00:00	2012-07-05

	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)
302805 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**50.8**	<2.00
302810 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
302821 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**122**	<2.00
302832 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
302839 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 302805 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**1760**	mg/Kg	4

Sample: 302806 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2060**	mg/Kg	4

Sample: 302807 - AH-1 2-2.5'

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

Sample: 302808 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**416**	mg/Kg	4

Sample: 302809 - AH-1 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**29.4**	mg/Kg	4

Sample: 302810 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**784**	mg/Kg	4

Sample: 302811 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**3940**	mg/Kg	4

Sample: 302812 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**588**	mg/Kg	4

Sample: 302813 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1340**	mg/Kg	4

Sample: 302814 - AH-2 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**654**	mg/Kg	4

Sample: 302815 - AH-2 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**136**	mg/Kg	4

Sample: 302816 - AH-2 6-6.5'

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

Sample: 302817 - AH-2 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**33.9**	mg/Kg	4

Sample: 302818 - AH-2 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**72.6**	mg/Kg	4

Sample: 302819 - AH-2 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**29.1**	mg/Kg	4

Sample: 302820 - AH-2 10-10.5'

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

Sample: 302821 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**3690**	mg/Kg	4

Sample: 302822 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1680**	mg/Kg	4

Sample: 302823 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**557**	mg/Kg	4

Sample: 302824 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**710**	mg/Kg	4

Sample: 302825 - AH-3 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**485**	mg/Kg	4

Sample: 302826 - AH-3 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**176**	mg/Kg	4

Sample: 302827 - AH-3 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**984**	mg/Kg	4

Sample: 302828 - AH-3 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**3220**	mg/Kg	4

Sample: 302829 - AH-3 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**2050**	mg/Kg	4

Sample: 302830 - AH-3 9-9.5'

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

Sample: 302831 - AH-3 10-10.5'

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

Sample: 302832 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**994**	mg/Kg	4

Sample: 302833 - AH-4 1-1.5'

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

Sample: 302834 - AH-4 2-2.5'

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

Sample: 302835 - AH-4 3-3.5'

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

Sample: 302836 - AH-4 4-4.5'

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

Sample: 302837 - AH-4 5-5.5'

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

Sample: 302838 - AH-4 6-6.5'

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

Sample: 302839 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**10300**	mg/Kg	4

Sample: 302840 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**4750**	mg/Kg	4

Sample: 302841 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**5790**	mg/Kg	4

Sample: 302842 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**6620**	mg/Kg	4

Sample: 302843 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**1840**	mg/Kg	4

Sample: 302844 - AH-5 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**576**	mg/Kg	4