SITE INFORMATION

Report Type: Work Plan

General Site Information:						
Site:	**Fir Federal Tank Battery**					
Company:	**COG Operating LLC**					
Section, Township and Range	**Unit L**	**Sec. 25**	**T-17-S**	**R-27-E**		
Lease Number:	**API-30-015-32069**					
County:	**Eddy**					
GPS:	**32.80252° N**			**104.23788° W**		
Surface Owner:	**Federal**					
Mineral Owner:						
Directions:	Intersection of Hwy 82 and CR-204, travel south on CR-204 0.5 mi, turn right 500' to location.					

Release Data:	
Date Released:	1/30/2012
Type Release:	Produced Water
Source of Contamination:	Water haulers failed to make pick up
Fluid Released:	20 bbls
Fluids Recovered:	None

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

June 26, 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., Fir Federal Tank Battery, Unit L, Section 25, Township 17 South, Range 27 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill at the Fir Federal Tank Battery, Unit L, Section 25, Township 17 South, Range 27 East, Eddy County, New Mexico. (Site). The spill site coordinates are N 32.80252°, W 104.23788 °. 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 January 30, 2012. The spill released approximately twenty (20) barrels of produced water due to a water tank overflow. COG was unable to recover any of the spilled fluids. The spill initiated from the tank impacting an area 50' x 60' inside the tank battery, which breached the facility berm impacting three areas measuring approximately 5' x 5', 15' x 20', and 10' x 20'. The spill footprint is shown on Figure 3. The initial Form C-141 is enclosed in Appendix A.

Groundwater

According to the USGS, no water wells are listed in Section 25. One water well is reported by the New Mexico State Engineers Office in Section 23, with a depth to groundwater of 40.0' below surface. According to the NMOCD groundwater map the depth to groundwater is approximately 150.0'

Tetra Tech
1910 North Big Spring, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

below surface. The groundwater data is shown in Appendix B.

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 March 8, 2012, 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. 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 B.

Referring to Table 1, all of the samples were below the RRAL for TPH and BTEX. In the areas of auger holes (AH-5, AH-6 and AH-7) did not show a chloride impact to the areas. Elevated chloride concentrations were detected at auger holes (AH-1, AH-2, AH-3 and AH-4) located inside the tank battery. Chloride concentrations at 0-1' ranged from 6,200 mg/kg to 9,650 mg/kg and not vertically defined. Deeper sample could not be collected due a dense formation.

On April 18, 2012, Tetra Tech personnel supervised the installation of four (4) boreholes (BH-1 through BH-4). The borehole locations are shown in Figure 3. Soil samples were collected to depth of total depth of 25.0' below surface and analyzed for chlorides. The sampling results are summarized in Table 1. Referring to Table 1, the chloride impact soils were vertically defined and showed a significant decline at the 6-7' below surface.

TETRA TECH

Work Plan

COG proposes the removal of impacted material as highlighted (green) in Table 1 and shown on Figure 4. To remove the elevated chloride concentrations, the areas of AH-1, AH-2, AH-3 and AH-4 will be excavated to a depth of approximately 2.0' to 3.0' below surface.

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 unit the abandonment of the facility.

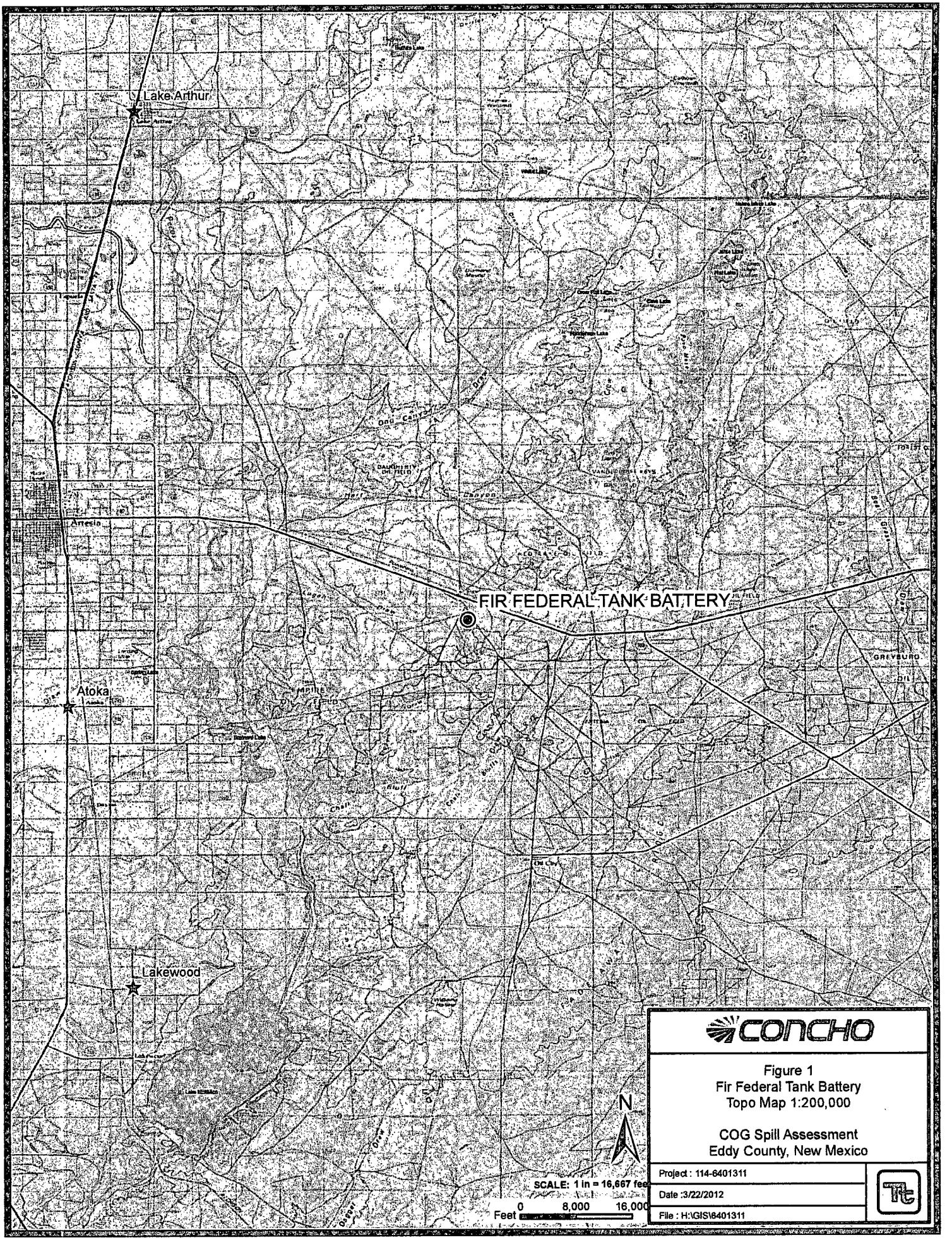
Upon completion, a final report will be submitted to the NMOCD. If you have any questions or comments concerning the assessment or the proposed remediation activities for this site, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez
Senior Project Manager

cc: Pat Ellis – COG
Terry Gregston -BLM

Figures



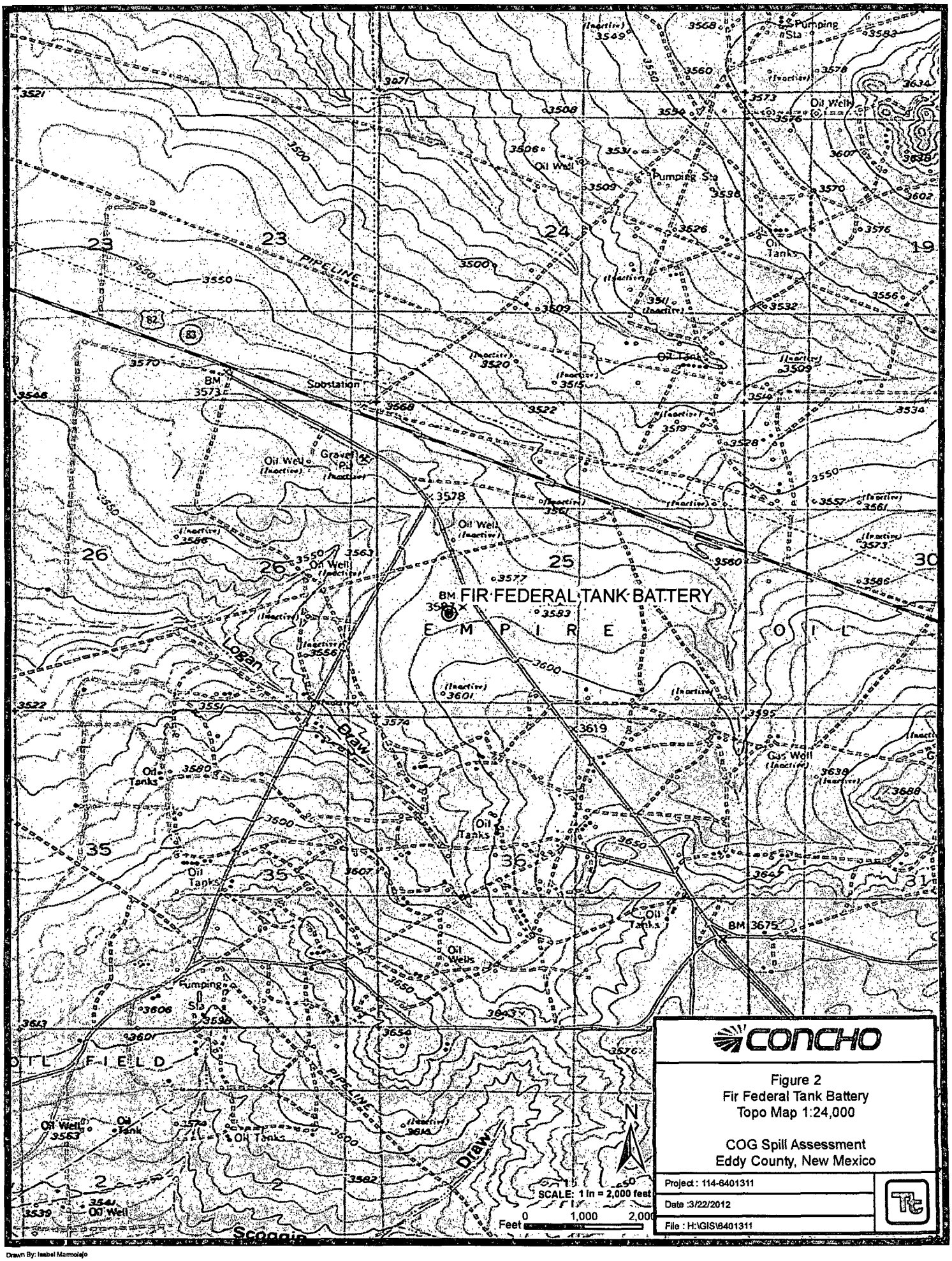
CONCHO

Figure 1
Fir Federal Tank Battery
Topo Map 1:200,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401311	
Date :3/22/2012	
File : H:\GIS\6401311	

Drawn By: Isabel Marmolejo



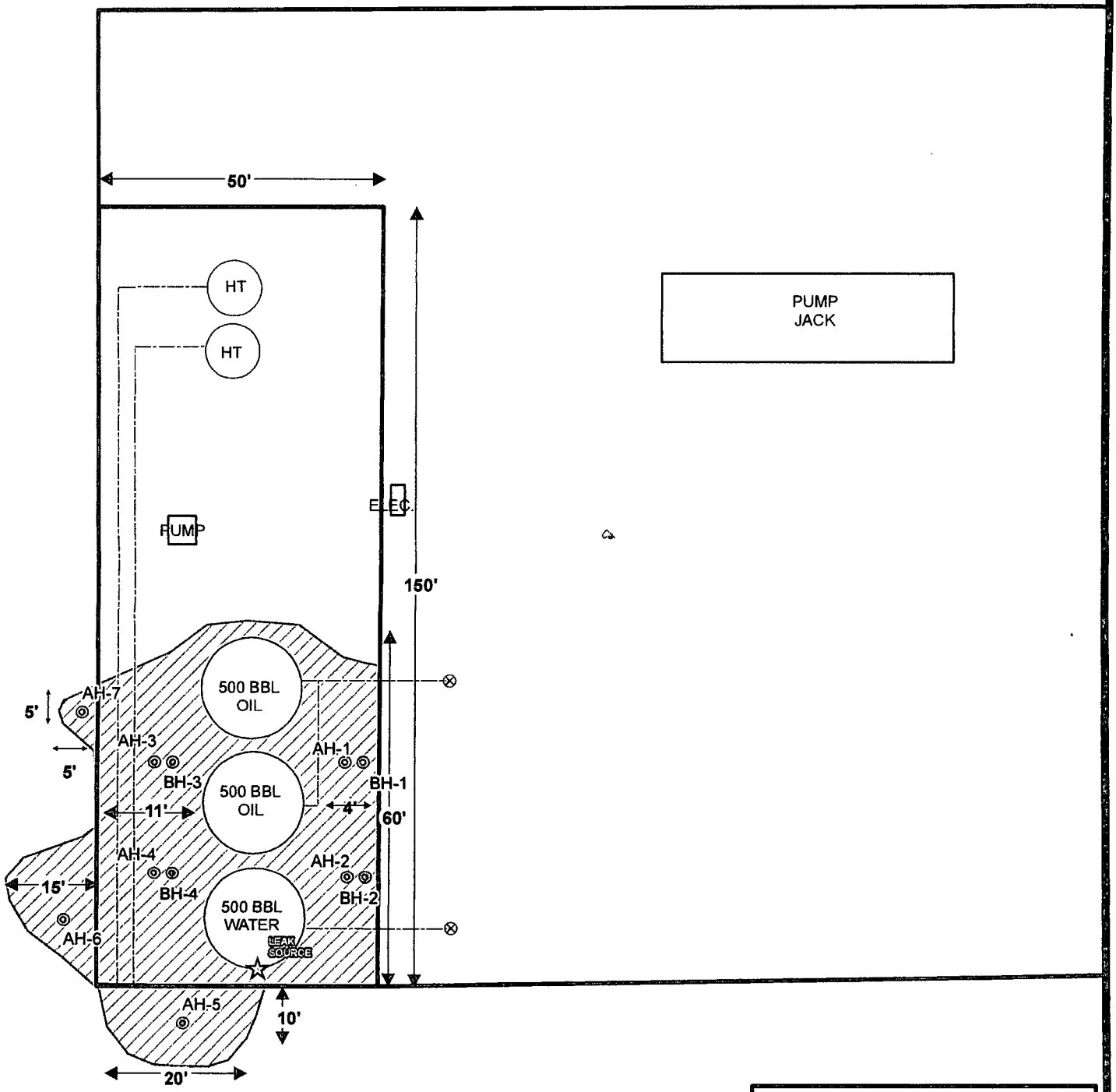
CONCHO

Figure 2
Fir Federal Tank Battery
Topo Map 1:24,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-6401311	
Date :3/22/2012	
File : H:\GIS\6401311	

Drawn By: Isabel Marmolejo



EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- BORE HOLE SAMPLE LOCATIONS
- LEAK SOURCE
- LINE
- SPILL AREA

N

CONCHO

Figure 3

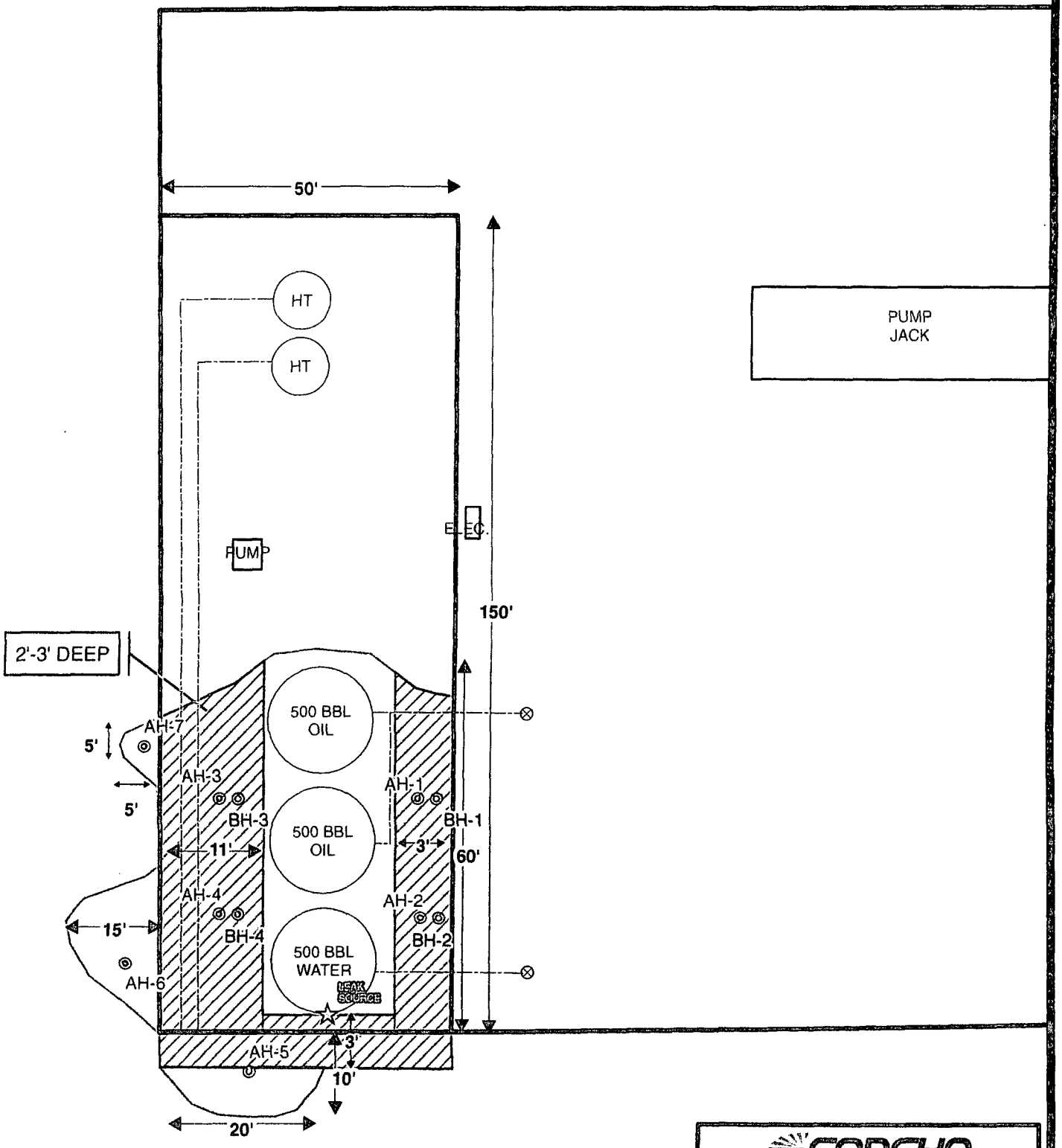
Fir Federal TB

Spill Assessment Map

Eddy County, New Mexico

Project : 114-6401311	
Date : 3/22/2012	
File : H:\GIS\6401311	

Drawn By: Isabel Marmolejo



EXPLANATION

- AUGER HOLE SAMPLE LOCATIONS
- BORE HOLE SAMPLE LOCATIONS
- LEAK SOURCE
- LINE
- PROPOSED EXCAVATION AREAS

N

CONCHO

Figure 4

Fir Federal TB

Proposed Excavation Areas & Depths Map

Eddy County, New Mexico

Project : 114-6401311	
Date : 3/22/2012	
File : H:\GIS\6401311	

Drawn By: Isabel Marmolejo

Tables

Table 1
COG Operating LLC.
Fir Federal Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample 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	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	6,370
BH-1	4/18/2012	0-1	X		-	-	-	-	-	-	-	-	7,870
	"	2-3	X		-	-	-	-	-	-	-	-	7,940
	"	4-5	X		-	-	-	-	-	-	-	-	1,390
	"	6-7	X		-	-	-	-	-	-	-	-	218
	"	9-10	X		-	-	-	-	-	-	-	-	300
	"	14-15	X		-	-	-	-	-	-	-	-	280
	"	19-20	X		-	-	-	-	-	-	-	-	401
AH-2	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	9,650
BH-2	4/18/2012	0-1	X		-	-	-	-	-	-	-	-	10,600
	"	2-3	X		-	-	-	-	-	-	-	-	6,230
	"	4-5	X		-	-	-	-	-	-	-	-	1,180
	"	6-7	X		-	-	-	-	-	-	-	-	264
	"	9-10	X		-	-	-	-	-	-	-	-	694
	"	14-15	X		-	-	-	-	-	-	-	-	44.0
	"	19-20	X		-	-	-	-	-	-	-	-	24.4

Table 1
COG Operating LLC.
Fir Federal Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample 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-3	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	6,200
BH-3	4/18/2012	0-1	X		-	-	-	-	-	-	-	-	9,420
	"	2-3	X		-	-	-	-	-	-	-	-	5,160
	"	4-5	X		-	-	-	-	-	-	-	-	4,550
	"	6-7	X		-	-	-	-	-	-	-	-	954
	"	9-10	X		-	-	-	-	-	-	-	-	134
	"	14-15	X		-	-	-	-	-	-	-	-	209
	"	19-20	X		-	-	-	-	-	-	-	-	442
	"	24-25	X		-	-	-	-	-	-	-	-	542
AH-4	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	7,110
BH-4	4/18/2012	0-1	X		-	-	-	-	-	-	-	-	8,160
	"	2-3	X		-	-	-	-	-	-	-	-	11,300
	"	4-5	X		-	-	-	-	-	-	-	-	2,160
	"	6-7	X		-	-	-	-	-	-	-	-	646
	"	9-10	X		-	-	-	-	-	-	-	-	482
	"	14-15	X		-	-	-	-	-	-	-	-	69.5
	"	19-20	X		-	-	-	-	-	-	-	-	556

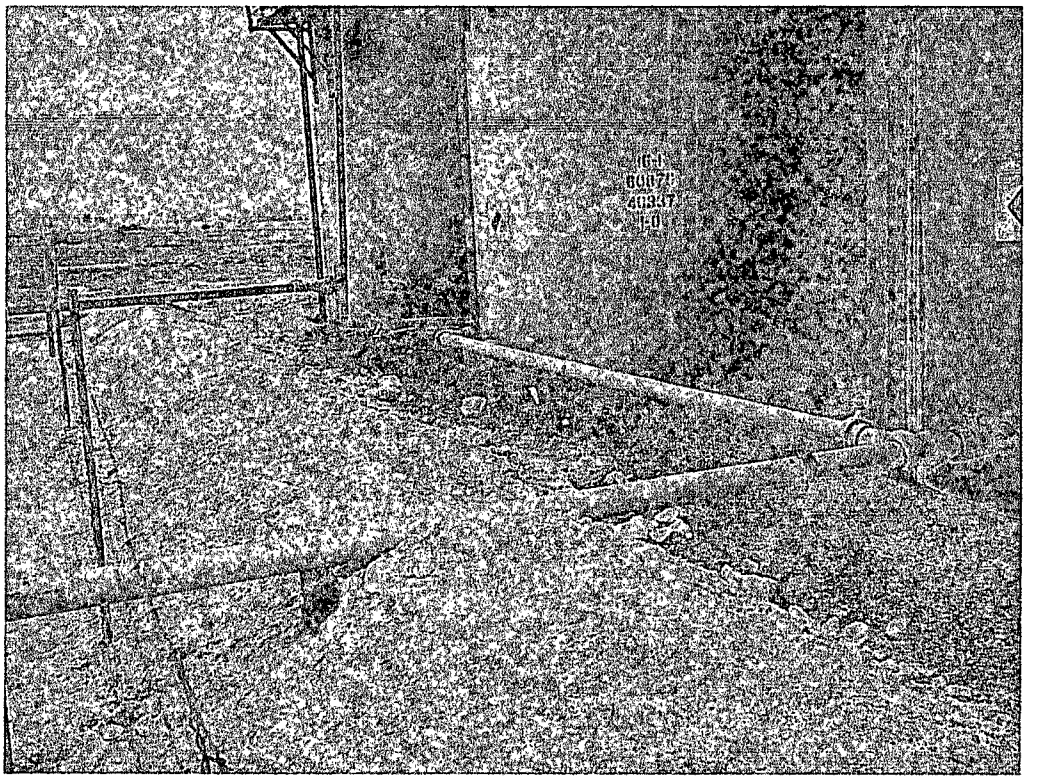
Table 1
COG Operating LLC.
Fir Federal Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample 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	3/8/2012	0-1	X		2.38	<50.0	2.38	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5	X		-	-	-	-	-	-	-	-	263
AH-6	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200
AH-7	3/8/2012	0-1	X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5	X		-	-	-	-	-	-	-	-	<200

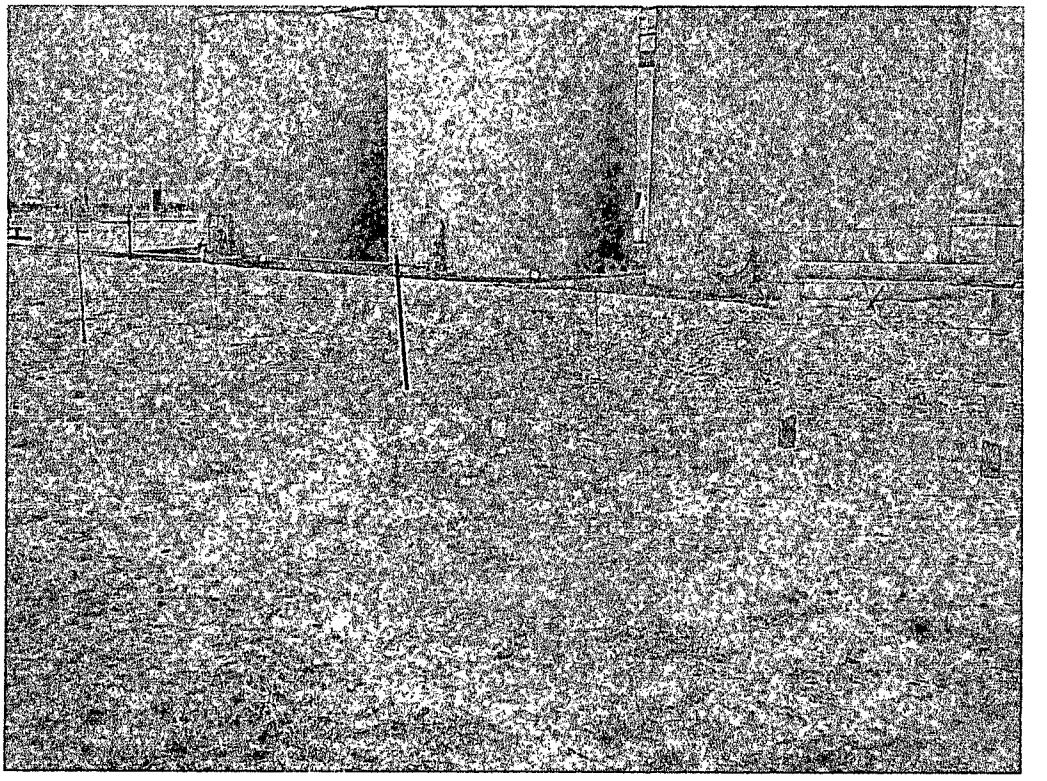
(-) Not Analyzed

[ ] Proposed Excavation Depth

COG Operating LLC
Fir Federal Tank Battery
Eddy County, New Mexico
Assessment Date: March 8, 2012



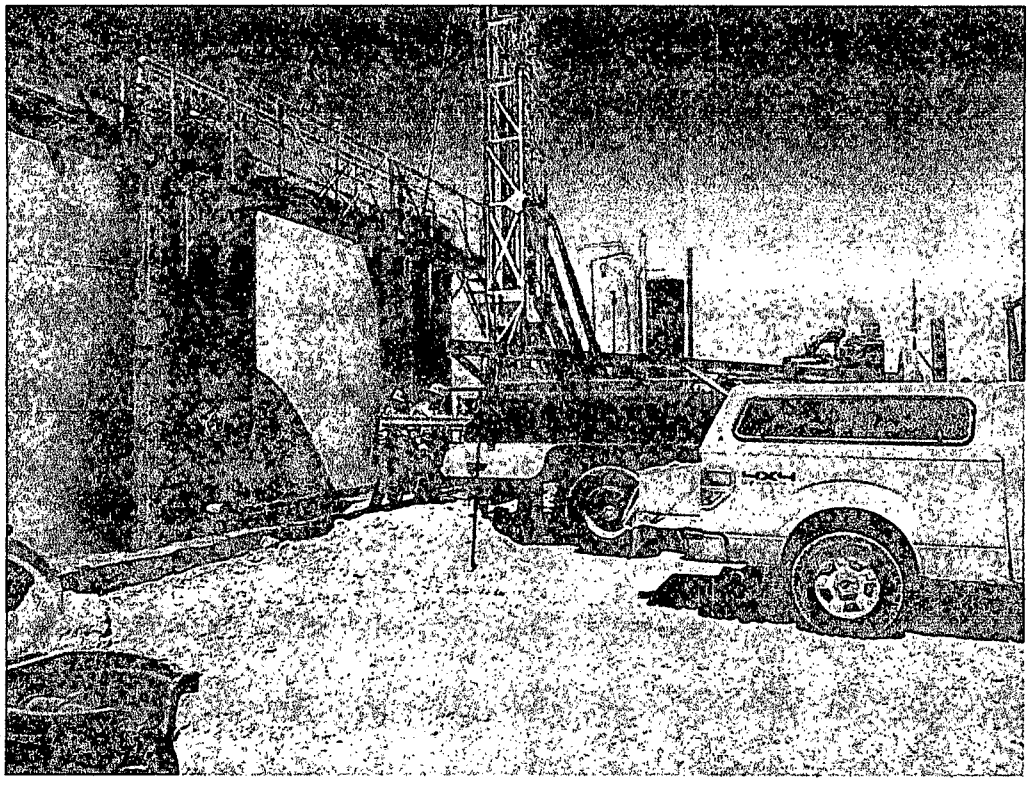
View south along front side of tank battery near AH-1 and AH-2



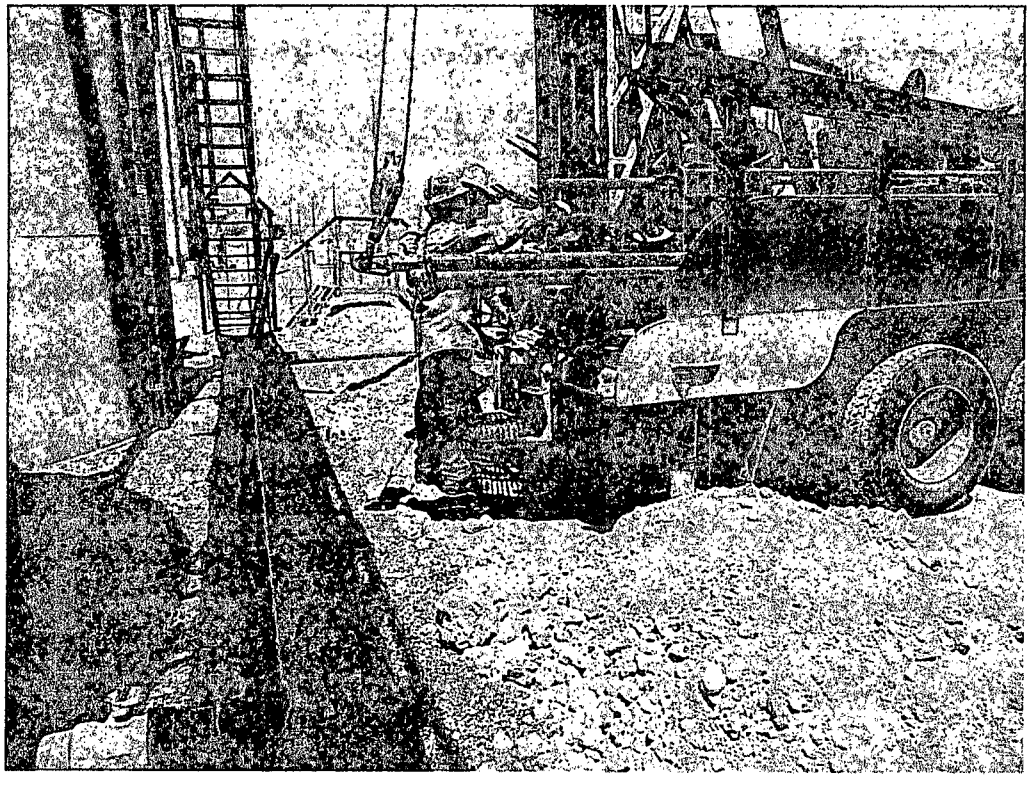
View north along back side of tank battery near AH-3, AH-4, and AH-6

TETRA TECH

COG Operating LLC
Fir Federal Tank Battery
Eddy County, New Mexico
Assessment Date: March 8, 2012



View north – Installing bore hole near AH-1



Removed berm to gain access for drilling

TETRA TECH

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	Fir Federal Tank Battery	Facility Type	Tank Battery

Surface Owner Federal	Mineral Owner	Lease No. (API#) 30-015-32069

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	25	17S	27E					Eddy

Latitude 32 48.160 **Longitude** 104 14.276

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 20bbls	Volume Recovered 0bbls
Source of Release Water tank	Date and Hour of Occurrence 01/30/2012	Date and Hour of Discovery 01/30/2012 8:00 a.m.
Was Immediate Notice Given? ☐ Yes ☒ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

Water haulers did not keep up with their hauling schedule causing this water tank to run over. We have cut back on the trucking companies responsibilities for Concho to ensure they are not overloaded and won't miss any facilities.

Describe Area Affected and Cleanup Action Taken.*

Initially 20bbls of produced water was released from the water tank and we were unable to recover any fluid from the release. The majority of the release was contained inside the berm walls with a small portion seeping through the berm. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a 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: Josh Russo	Approved by District Supervisor:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval:	Attached ☐
Date: 02/08/2012 Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
Fir Federal Tank Battery
Eddy County, New Mexico

16 South 26 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 27 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 **70**	26	25
31	32	33	34	35	36

16 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21 **61**	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South 26 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

17 South 27 East

6	5 **30**	4	3	2	1
7 **14**	8	9	10	11 **54** **50**	12
18 **86**	17 **283**	16 **172**	15	14	13
19	20	21	22	23 **40**	24
30	29	28	27	26	25 SITE
31	32 **120**	33	34	35	36

17 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19 **191**	20	21	22 **79**	23	24
30	29	28	27	26	25
31	32	33	34 **53**	35	36

18 South 26 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 27 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 28 East

6	5	4 **108**	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 **65**	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
- Site Location

Appendix C

Summary Report

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

Report Date: March 21, 2012

Work Order: 12030928

Project Location: Eddy Co., NM
Project Name: COG/Fir Federal Tank Battery
Project Number: 114-6401311

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
290974	AH-1 0-1'	soil	2012-03-08	00:00	2012-03-09
290975	AH-2 0-1'	soil	2012-03-08	00:00	2012-03-09
290976	AH-3 0-1'	soil	2012-03-08	00:00	2012-03-09
290977	AH-4 0-1'	soil	2012-03-08	00:00	2012-03-09
290978	AH-5 0-1'	soil	2012-03-08	00:00	2012-03-09
290979	AH-5 1-1.5'	soil	2012-03-08	00:00	2012-03-09
290980	AH-6 0-1'	soil	2012-03-08	00:00	2012-03-09
290981	AH-6 1-1.5'	soil	2012-03-08	00:00	2012-03-09
290982	AH-7 0-1'	soil	2012-03-08	00:00	2012-03-09
290983	AH-7 1-1.5'	soil	2012-03-08	00:00	2012-03-09

	BTEX				TPH DRO - NEW	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
290974 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
290975 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
290976 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
290977 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
290978 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.38**
290980 - AH-6 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
290982 - AH-7 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 290974 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**6370**	mg/Kg	4

Sample: 290975 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**9650**	mg/Kg	4

Sample: 290976 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**6200**	mg/Kg	4

Sample: 290977 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**7110**	mg/Kg	4

Sample: 290978 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290979 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**263**	mg/Kg	4

Sample: 290980 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290981 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290982 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 290983 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Summary Report

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

Report Date: May 8, 2012

Work Order: 12042425

Project Location: Eddy Co., NM
Project Name: COG/Fir Federal Tank Battery
Project Number: 114-6401311

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
295162	BH-1 @ AH-1 0-1'	soil	2012-04-18	00:00	2012-04-24
295163	BH-1 @ AH-1 2-3'	soil	2012-04-18	00:00	2012-04-24
295164	BH-1 @ AH-1 4-5'	soil	2012-04-18	00:00	2012-04-24
295165	BH-1 @ AH-1 6-7'	soil	2012-04-18	00:00	2012-04-24
295166	BH-1 @ AH-1 9-10'	soil	2012-04-18	00:00	2012-04-24
295167	BH-1 @ AH-1 14-15'	soil	2012-04-18	00:00	2012-04-24
295168	BH-1 @ AH-1 19-20'	soil	2012-04-18	00:00	2012-04-24
295171	BH-2 @ AH-2 0-1'	soil	2012-04-18	00:00	2012-04-24
295172	BH-2 @ AH-2 2-3'	soil	2012-04-18	00:00	2012-04-24
295173	BH-2 @ AH-2 4-5'	soil	2012-04-18	00:00	2012-04-24
295174	BH-2 @ AH-2 6-7'	soil	2012-04-18	00:00	2012-04-24
295175	BH-2 @ AH-2 9-10'	soil	2012-04-18	00:00	2012-04-24
295176	BH-2 @ AH-2 14-15'	soil	2012-04-18	00:00	2012-04-24
295177	BH-2 @ AH-2 19-20'	soil	2012-04-18	00:00	2012-04-24
295180	BH-3 @ AH-3 0-1'	soil	2012-04-18	00:00	2012-04-24
295181	BH-3 @ AH-3 2-3'	soil	2012-04-18	00:00	2012-04-24
295182	BH-3 @ AH-3 4-5'	soil	2012-04-18	00:00	2012-04-24
295183	BH-3 @ AH-3 6-7'	soil	2012-04-18	00:00	2012-04-24
295184	BH-3 @ AH-3 9-10'	soil	2012-04-18	00:00	2012-04-24
295185	BH-3 @ AH-3 14-15'	soil	2012-04-18	00:00	2012-04-24
295186	BH-3 @ AH-3 19-20'	soil	2012-04-18	00:00	2012-04-24
295187	BH-3 @ AH-3 24-25'	soil	2012-04-18	00:00	2012-04-24
295192	BH-4 @ AH-4 0-1'	soil	2012-04-18	00:00	2012-04-24
295193	BH-4 @ AH-4 2-3'	soil	2012-04-18	00:00	2012-04-24
295194	BH-4 @ AH-4 4-5'	soil	2012-04-18	00:00	2012-04-24
295195	BH-4 @ AH-4 6-7'	soil	2012-04-18	00:00	2012-04-24
295196	BH-4 @ AH-4 9-10'	soil	2012-04-18	00:00	2012-04-24
295197	BH-4 @ AH-4 14-15'	soil	2012-04-18	00:00	2012-04-24
295198	BH-4 @ AH-4 19-20'	soil	2012-04-18	00:00	2012-04-24

Sample: 295162 - BH-1 @ AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**7870**	mg/Kg	4

Sample: 295163 - BH-1 @ AH-1 2-3'

Param	Flag	Result	Units	RL
Chloride		**7940**	mg/Kg	4

Sample: 295164 - BH-1 @ AH-1 4-5'

Param	Flag	Result	Units	RL
Chloride		**1390**	mg/Kg	4

Sample: 295165 - BH-1 @ AH-1 6-7'

Param	Flag	Result	Units	RL
Chloride		**218**	mg/Kg	4

Sample: 295166 - BH-1 @ AH-1 9-10'

Param	Flag	Result	Units	RL
Chloride		**300**	mg/Kg	4

Sample: 295167 - BH-1 @ AH-1 14-15'

Param	Flag	Result	Units	RL
Chloride		**280**	mg/Kg	4

Sample: 295168 - BH-1 @ AH-1 19-20'

Param	Flag	Result	Units	RL
Chloride		**401**	mg/Kg	4

Sample: 295171 - BH-2 @ AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**10600**	mg/Kg	4

Sample: 295172 - BH-2 @ AH-2 2-3'

Param	Flag	Result	Units	RL
Chloride		**6230**	mg/Kg	4

Sample: 295173 - BH-2 @ AH-2 4-5'

Param	Flag	Result	Units	RL
Chloride		**1180**	mg/Kg	4

Sample: 295174 - BH-2 @ AH-2 6-7'

Param	Flag	Result	Units	RL
Chloride		**264**	mg/Kg	4

Sample: 295175 - BH-2 @ AH-2 9-10'

Param	Flag	Result	Units	RL
Chloride		**694**	mg/Kg	4

Sample: 295176 - BH-2 @ AH-2 14-15'

Param	Flag	Result	Units	RL
Chloride		**44.0**	mg/Kg	4

Sample: 295177 - BH-2 @ AH-2 19-20'

Param	Flag	Result	Units	RL
Chloride		**24.4**	mg/Kg	4

Sample: 295180 - BH-3 @ AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**9420**	mg/Kg	4

Sample: 295181 - BH-3 @ AH-3 2-3'

Param	Flag	Result	Units	RL
Chloride		**5160**	mg/Kg	4

Sample: 295182 - BH-3 @ AH-3 4-5'

Param	Flag	Result	Units	RL
Chloride		**4550**	mg/Kg	4

Sample: 295183 - BH-3 @ AH-3 6-7'

Param	Flag	Result	Units	RL
Chloride		**954**	mg/Kg	4

Sample: 295184 - BH-3 @ AH-3 9-10'

Param	Flag	Result	Units	RL
Chloride		**134**	mg/Kg	4

Sample: 295185 - BH-3 @ AH-3 14-15'

Param	Flag	Result	Units	RL
Chloride		**209**	mg/Kg	4

Sample: 295186 - BH-3 @ AH-3 19-20'

Param	Flag	Result	Units	RL
Chloride		**442**	mg/Kg	4

Sample: 295187 - BH-3 @ AH-3 24-25'

Param	Flag	Result	Units	RL
Chloride		**542**	mg/Kg	4

Sample: 295192 - BH-4 @ AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**8160**	mg/Kg	4

Sample: 295193 - BH-4 @ AH-4 2-3'

Param	Flag	Result	Units	RL
Chloride		**11300**	mg/Kg	4

Sample: 295194 - BH-4 @ AH-4 4-5'

Param	Flag	Result	Units	RL
Chloride		**2160**	mg/Kg	4

Sample: 295195 - BH-4 @ AH-4 6-7'

Param	Flag	Result	Units	RL
Chloride		**646**	mg/Kg	4

Sample: 295196 - BH-4 @ AH-4 9-10'

Param	Flag	Result	Units	RL
Chloride		**482**	mg/Kg	4

Sample: 295197 - BH-4 @ AH-4 14-15'

Param	Flag	Result	Units	RL
Chloride		**69.5**	mg/Kg	4

Sample: 295198 - BH-4 @ AH-4 19-20'

Param	Flag	Result	Units	RL
Chloride		**556**	mg/Kg	4