

SITE INFORMATION

Report Type: Work Plan

General Site Information:

Site:	Northwest Central Tank Battery					
Company:	COG Operating LLC					
Section, Township and Range	Unit N	17	17S	30E		
Lease Number:						
County:	Eddy County					
GPS:	32.83009			103.9954		
Surface Owner:	Federal					
Mineral Owner:						
Directions:	From Loco Hills turn north on Co. Road 217 and 0.6 miles, turn left and travel 0.4 miles to the SWD.					

Release Data:

Date Released:	11/4/2010
Type Release:	oil
Source of Contamination:	drip tank
Fluid Released:	15 barrels
Fluids Recovered:	6 barrels

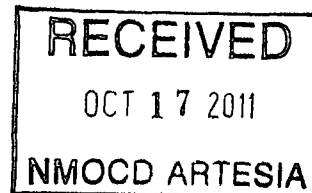
Official Communication:

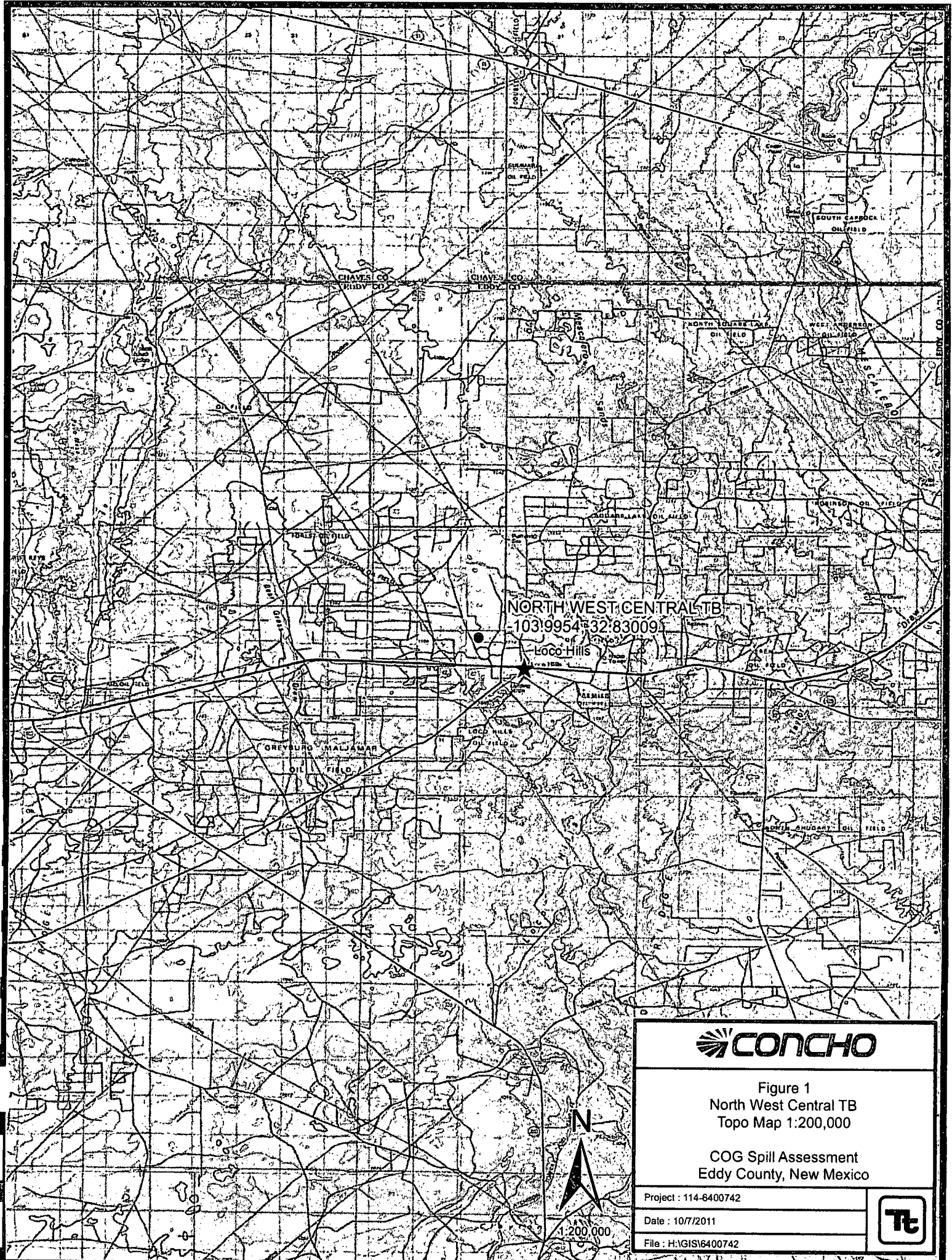
Name:	Pat Ellis	Ike Tavaréz
Company:	COG Operating, LLC	Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300	1910 N. Big Spring
P.O. Box		
City:	Midland Texas, 79701	Midland, Texas
Phone number:	(432) 686-3023	432-425-3878
Fax:	(432) 684-7137	
Email:	pellis@conchoresources.com	ike.tavarez@tetrattech.com

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





NORTH WEST CENTRAL TB
103:9954 32:83009

LOCO HILLS



Figure 1
North West Central TB
Topo Map 1:200,000

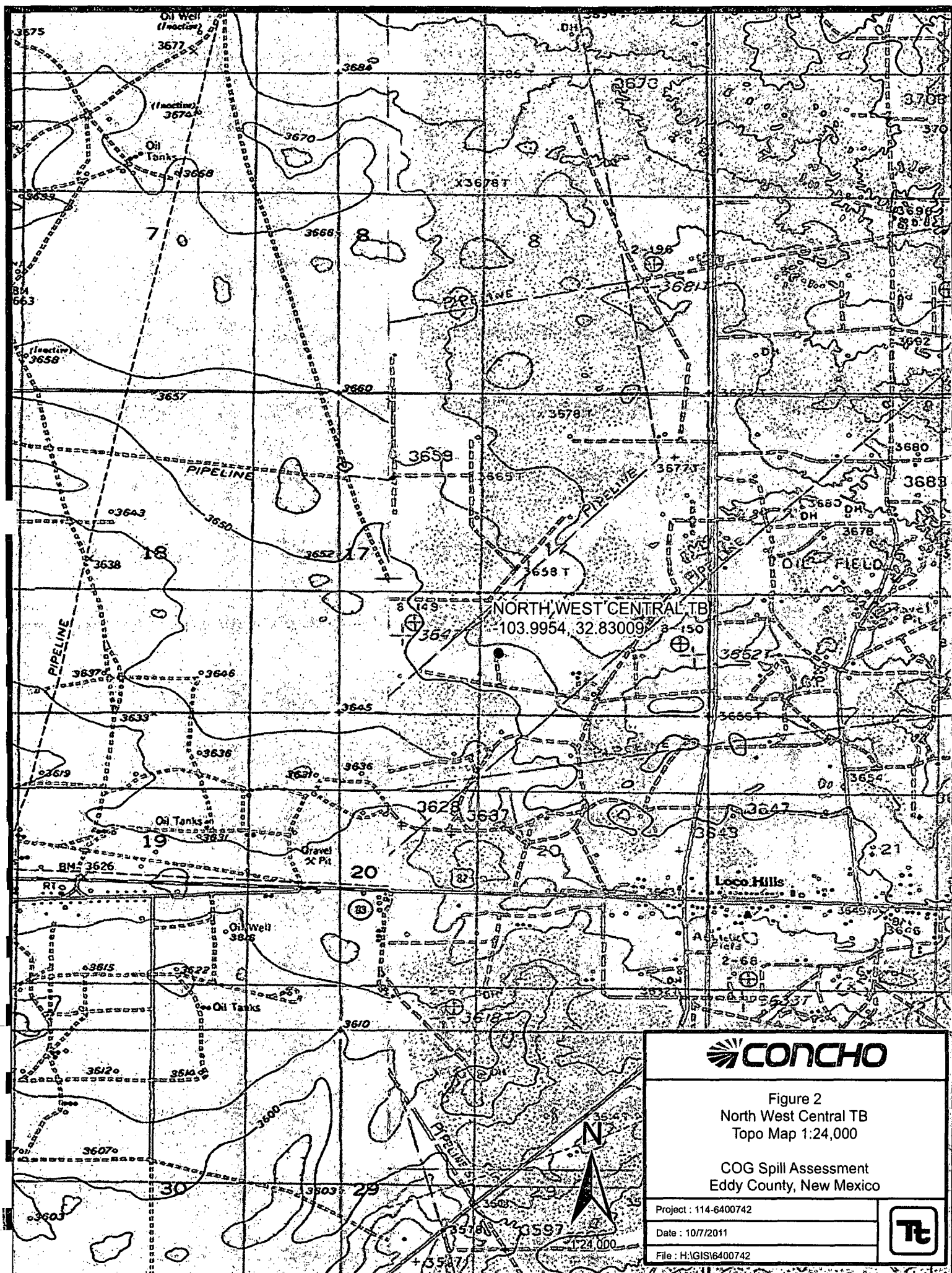
COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400742

Date : 10/7/2011

File : H:\GIS\6400742





CONCHO

Figure 2
North West Central TB
Topo Map 1:24,000

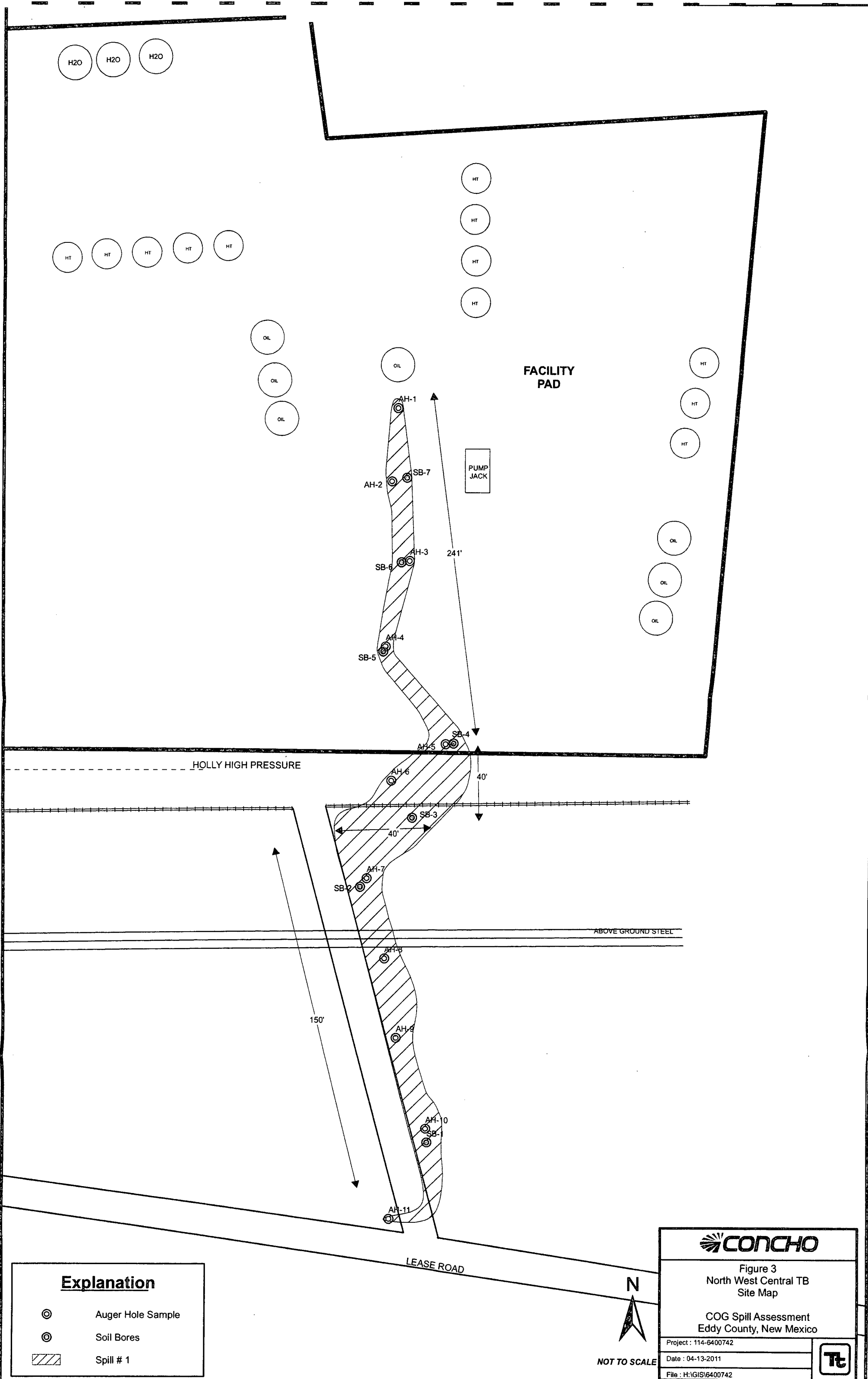
COG Spill Assessment
Eddy County, New Mexico

Project : 114-6400742

Date : 10/7/2011

File : H:\GIS\6400742

TE



Explanation

- ⊙ Auger Hole Sample
- ⊙ Soil Bores
- ▨ Spill # 1



Figure 3
North West Central TB
Site Map

COG Spill Assessment
Eddy County, New Mexico

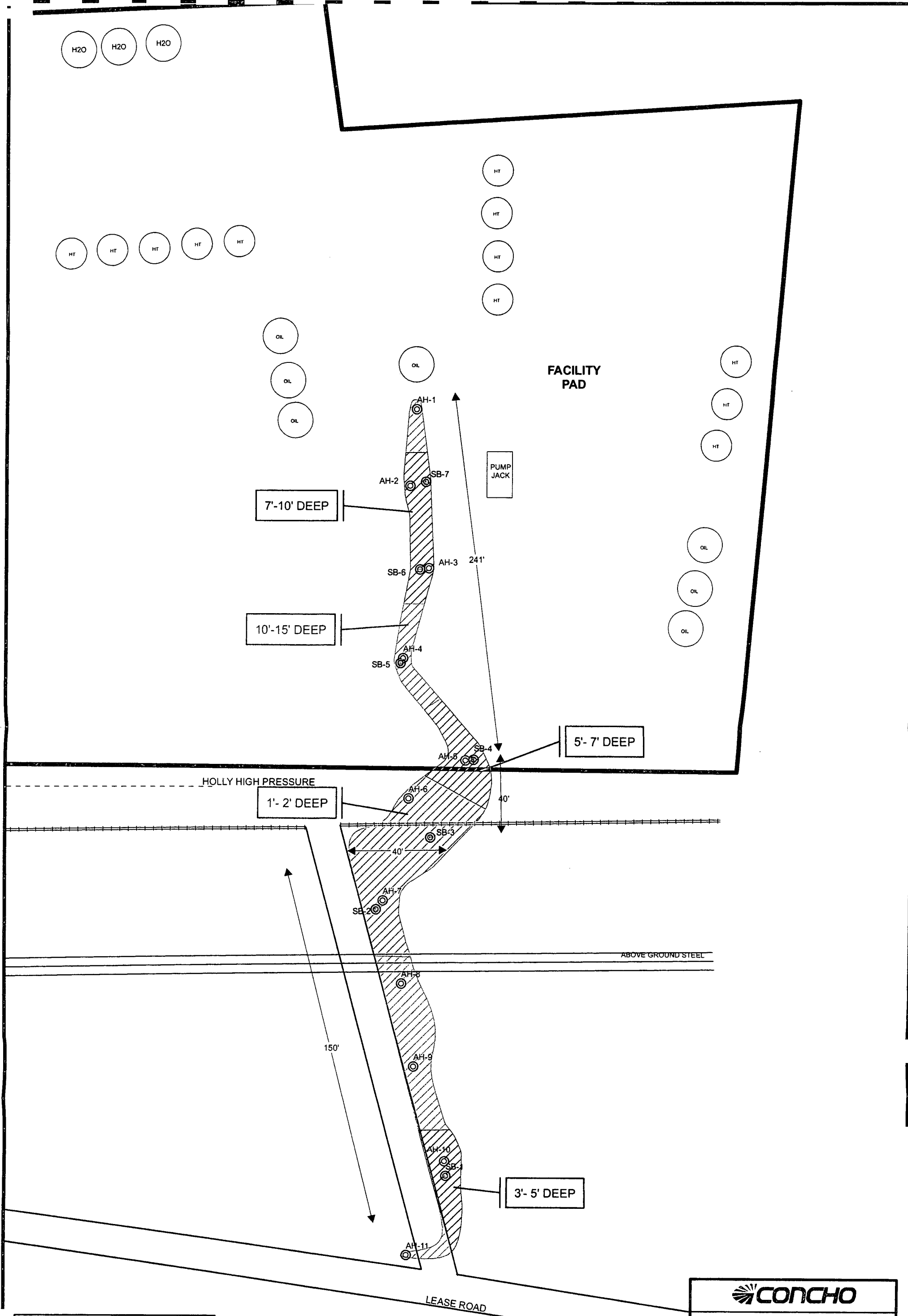
Project : 114-6400742

Date : 04-13-2011

File : H:\GIS\6400742



NOT TO SCALE



Explanation

Auger Hole Sample

Soil Bores

Proposed Excavation Depths

Figure 4

North West Central TB

Proposed Excavation Depths

Eddy County, New Mexico

Project : 114-6400742

Date : 04-13-2011

File : H:\GIS\6400742

Tables

Table 1
COG Operating LLC.
NORTHWEST CENTRAL TANK BATTERY
McIntyre Well
EDDY COUNTY, NEW MEXICO

[illegible]

EDDY COUNTY, NEW MEXICO

[illegible]

EDDY COUNTY, NEW MEXICO

[illegible]

EDDY COUNTY, NEW MEXICO

[illegible]

Table 1
COG Operating LLC.
NORTHWEST CENTRAL TANK BATTERY
McIntyre Well
EDDY COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	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-10	12/8/2010	0-1'	-	X		3,340	7,690	11,030	<1.00	46.7	94.0	133	273.7	<200
	"	1-1.5'	-	X		796	2,940	3,736	<0.100	7.40	31.4	43.0	81.80	<200
SB-1	2/23/2011	0-1'	-	X		1,420	7,540	8,960	<0.400	2.33	18.8	26.1	47.23	215
	"	3'	-	X		1,490	6,890	8,380	-	-	-	-	-	<200
	"	5'	-	X		14.4	162	176.4	-	-	-	-	-	<200
	"	7'	-	X		<2.00	<50.0	<50.0	-	-	-	-	-	220
	"	10'	-	X		-	-	-	-	-	-	-	-	251
	"	15'	-	X		-	-	-	-	-	-	-	-	<200
	"	20'	-	X		-	-	-	-	-	-	-	-	261
AH-11	12/8/2010	0-1'	-	X		<2.00	<50.0	<50.0	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200

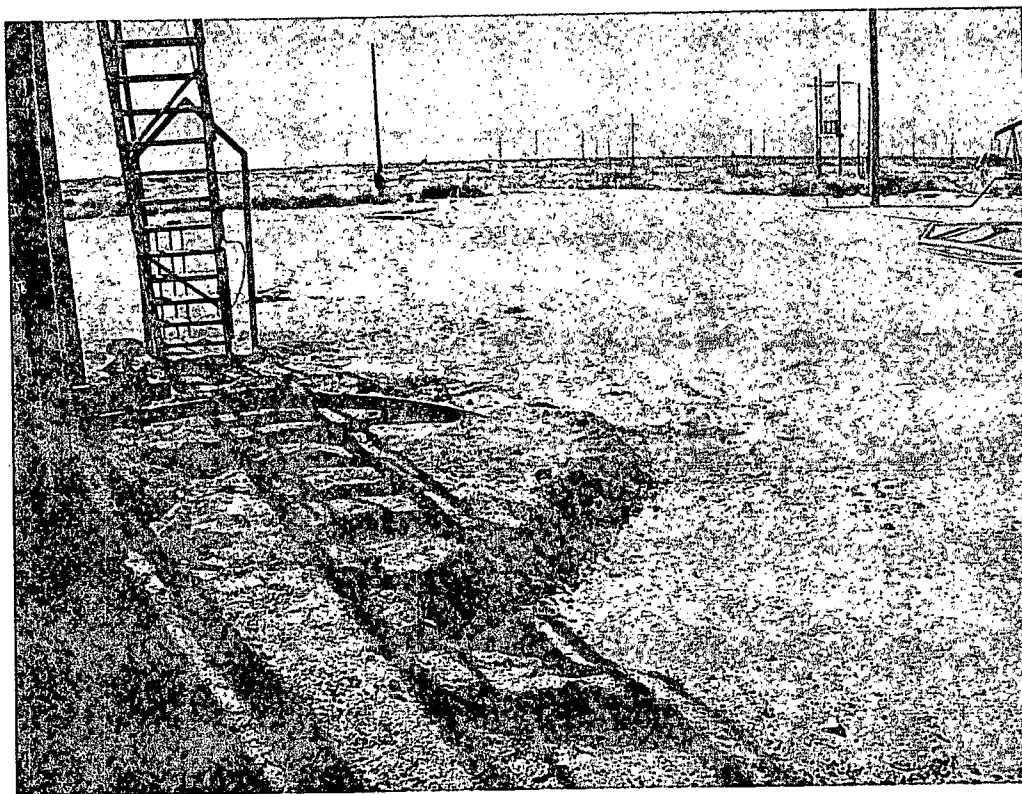
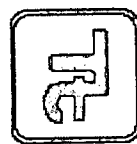
BEB Below Excavation Bottom

(-) Not Analyzed

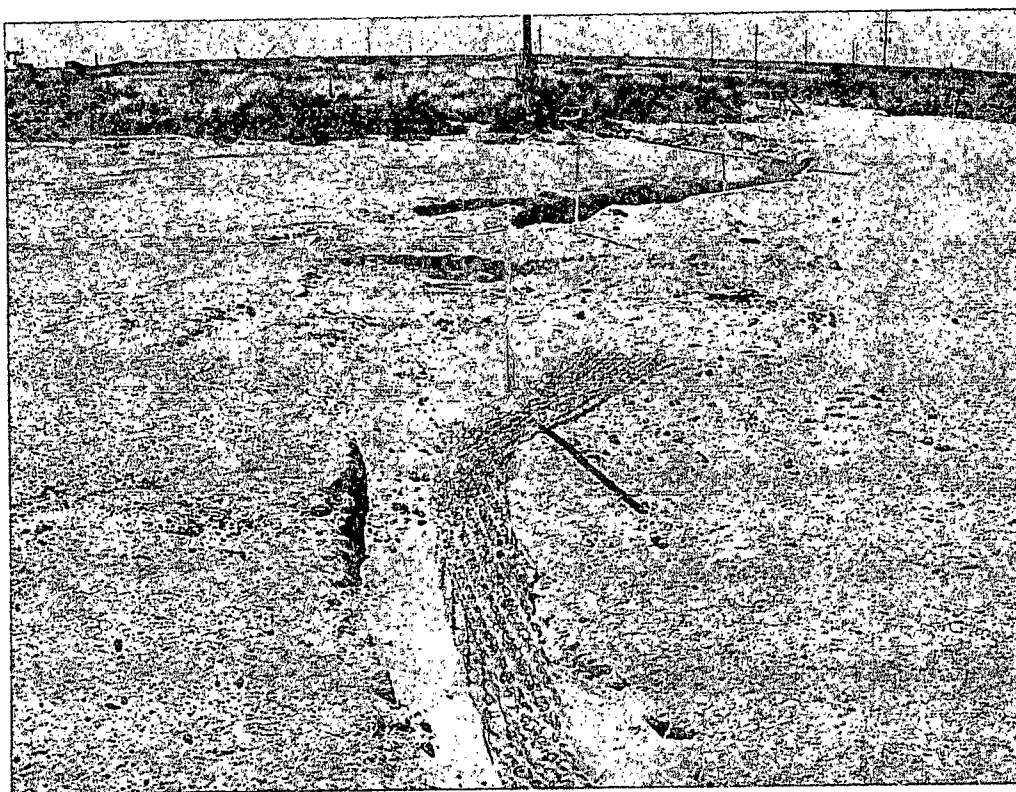


Proposed Excavation Depths

Photos

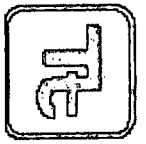


View south – Near AH-1

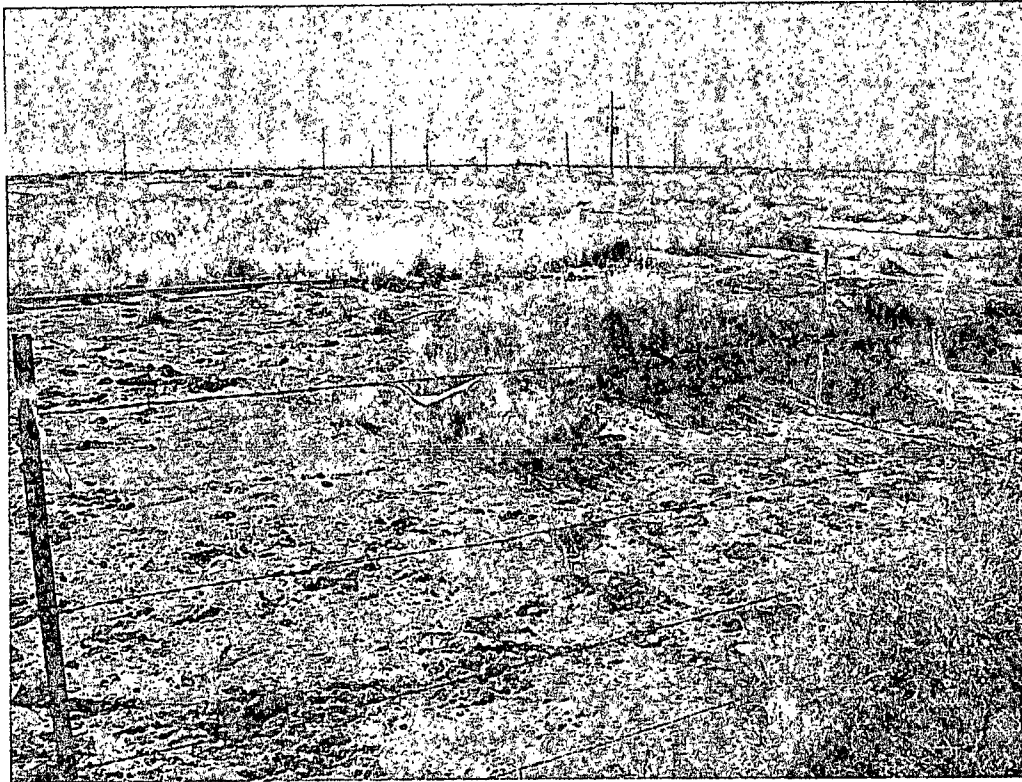


View south – spill ran down narrow channel

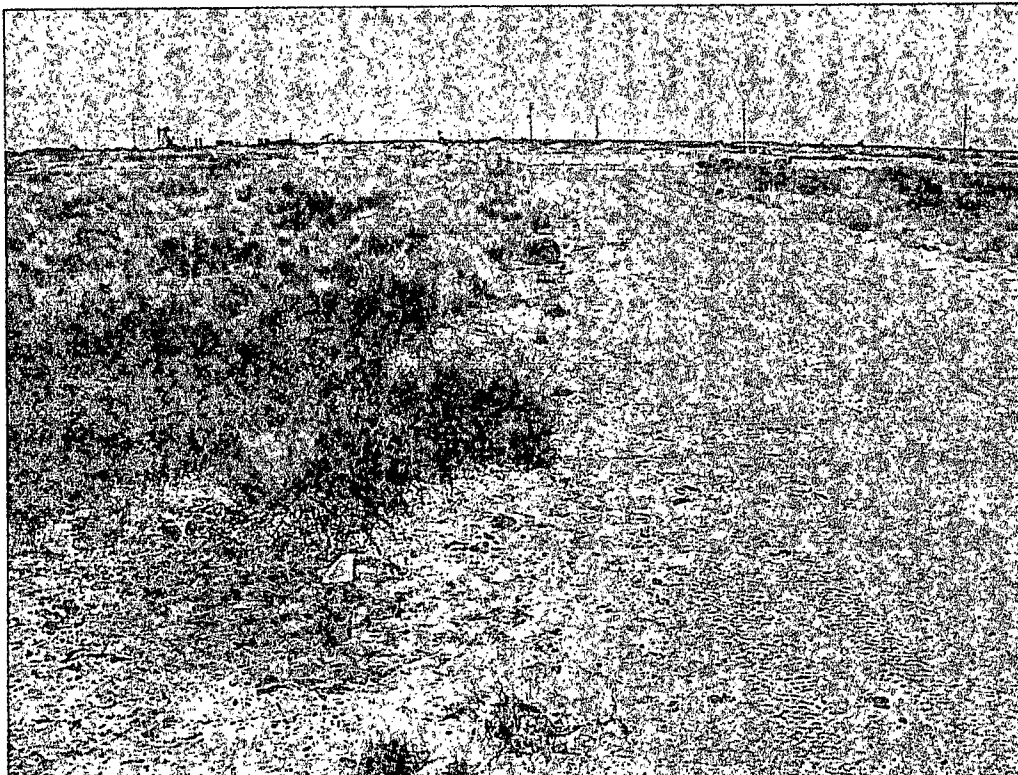
COG Operating LLC
Northwest Central Tank Battery
Eddy County, New Mexico
Site Assessment: December 7, 2010



TETRA TECH



View south – Impacted pasture area near AH-6



View south – Impacted area along road

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	Northwest Central Tank Battery	Facility Type	Tank Battery

Surface Owner	Federal	Mineral Owner		Lease No.	NMNM-86025
---------------	---------	---------------	--	-----------	------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	17	17S	30E	990	South	2310	West	Eddy

Latitude 32 49.813 Longitude 103 59.725

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	15bbls	Volume Recovered	6bbls
Source of Release	Drip tank	Date and Hour of Occurrence	11/04/2010	Date and Hour of Discovery	11/04/2010 7:00 a.m.
Was Immediate Notice Given?	If YES, To Whom?				
☐ Yes ☒ No ☒ Not Required					
By Whom?	Date and Hour				
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.				
☐ Yes ☒ No					

RECEIVED

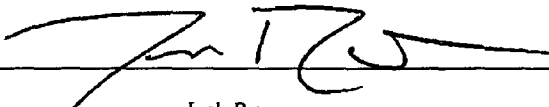
OCT 17 2011

The dump was stuck on a scrubber causing fluid to travel down the gas line to the second scrubber which then transferred into the drip tank causing the overflow. The dump has been repaired.

Describe Area Affected and Cleanup Action Taken.*

Initially 15bbls was released from the drip tank and we were able to recover 6bbls with a vacuum truck. The dimensions of the spill area are as follows: 15' x 15' area in front of the of the drip tank, 1' trail from drip tank across pad leading to 15' x 20' area near cattle guard. (The closest well location to the release is on the same pad as the Tank Battery, McIntyre DK Federal #6, API# 30-015-20972). 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/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: 11/16/2010	Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
North Central Tank Battery
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	20	21	22	23	24
110	29	28	27	26	25
30	32	33	34	35	36
31					

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
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
290					

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
30	29	210	28	27	26
31	32	33	34	35	36
				153	

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

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
 Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

123 Tetra Tech installed temporary wells and field water level

143 NMOCD Groundwater map well location

Appendix C

Summary Report

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

Report Date: December 30, 2010

Work Order: 10121328



Project Location: Eddy Co., NM
Project Name: COG/North West Central TB
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253253	AH-1 0-1'	soil	2010-12-07	00:00	2010-12-10
253254	AH-1 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253255	AH-1 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253256	AH-1 3-3.5'	soil	2010-12-07	00:00	2010-12-10
253257	AH-2 0-1'	soil	2010-12-07	00:00	2010-12-10
253258	AH-2 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253259	AH-2 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253260	AH-3 0-1' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253261	AH-3 1-1.5' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253262	AH-4 0-1' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253263	AH-4 1-1.5' 1'BEB	soil	2010-12-07	00:00	2010-12-10
253264	AH-5 0-1'	soil	2010-12-07	00:00	2010-12-10
253265	AH-5 1-1.5'	soil	2010-12-07	00:00	2010-12-10
253266	AH-5 2-2.5'	soil	2010-12-07	00:00	2010-12-10
253267	AH-5 3-3.5'	soil	2010-12-07	00:00	2010-12-10
253268	AH-5 4-4.5'	soil	2010-12-07	00:00	2010-12-10
253269	AH-6 0-1'	soil	2010-12-08	00:00	2010-12-10
253270	AH-6 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253271	AH-7 0-1'	soil	2010-12-08	00:00	2010-12-10
253272	AH-7 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253273	AH-7 2-2.5'	soil	2010-12-08	00:00	2010-12-10
253274	AH-8 0-1'	soil	2010-12-08	00:00	2010-12-10
253275	AH-8 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253276	AH-8 2-2.5'	soil	2010-12-08	00:00	2010-12-10
253277	AH-8 3-3.5'	soil	2010-12-08	00:00	2010-12-10
253278	AH-8 4-4.5'	soil	2010-12-08	00:00	2010-12-10
253279	AH-9 0-1'	soil	2010-12-08	00:00	2010-12-10
253280	AH-9 1-1.5'	soil	2010-12-08	00:00	2010-12-10
253281	AH-10 0-1'	soil	2010-12-08	00:00	2010-12-10
253282	AH-10 1-1.5'	soil	2010-12-08	00:00	2010-12-10

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
253283	AH-11 0-1'	soil	2010-12-08	00:00	2010-12-10
253284	AH-11 1-1.5'	soil	2010-12-08	00:00	2010-12-10

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)
253253 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	5.98
253257 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	2.76
253260 - AH-3 0-1' 1'BEB					<50.0	<2.00
253262 - AH-4 0-1' 1'BEB					190	<2.00
253264 - AH-5 0-1'	23.1	146	86.0	114	18400	3190
253265 - AH-5 1-1.5'	44.1	263	120	138	2430	4080
253266 - AH-5 2-2.5'	23.0	156	92.7	111	1350	3280
253267 - AH-5 3-3.5'	22.2	<0.200	120	119	1670	2120
253268 - AH-5 4-4.5'	<0.100	0.467	0.508	1.08	<50.0	45.4
253269 - AH-6 0-1'	59.8	224	134	199	6780	6400
253270 - AH-6 1-1.5'	10.5	<0.0200	<0.0200	44.1	384	1540
253271 - AH-7 0-1'	29.9	143	87.8	132	7470	4430
253272 - AH-7 1-1.5'	0.0896	0.225	0.215	0.406	<50.0	46.9
253273 - AH-7 2-2.5'	<0.0200	0.0766	0.182	0.574	135	64.0
253274 - AH-8 0-1'	<0.0200	0.230	0.995	2.21	582	213
253279 - AH-9 0-1'					<50.0	<2.00
253281 - AH-10 0-1'	<1.00	46.7	94.0	133	7690	3340
253282 - AH-10 1-1.5'	<0.100	7.40	31.4	43.0	2940	796
253283 - AH-11 0-1'					<50.0	<2.00

Sample: 253253 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		298	mg/Kg	4.00

Sample: 253254 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		328	mg/Kg	4.00

Sample: 253255 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		353	mg/Kg	4.00

Sample: 253256 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		616	mg/Kg	4.00

Sample: 253257 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		532	mg/Kg	4.00

Sample: 253258 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1280	mg/Kg	4.00

Sample: 253259 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		2790	mg/Kg	4.00

Sample: 253260 - AH-3 0-1' 1'BEB

Param	Flag	Result	Units	RL
Chloride		406	mg/Kg	4.00

Sample: 253261 - AH-3 1-1.5' 1'BEB

Param	Flag	Result	Units	RL
Chloride		851	mg/Kg	4.00

Sample: 253262 - AH-4 0-1' 1'BEB

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253263 - AH-4 1-1.5' 1'BEB

Param	Flag	Result	Units	RL
Chloride		416	mg/Kg	4.00

Sample: 253264 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		911	mg/Kg	4.00

Sample: 253265 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		1380	mg/Kg	4.00

Sample: 253266 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		1510	mg/Kg	4.00

Sample: 253267 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		2120	mg/Kg	4.00

Sample: 253268 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		3250	mg/Kg	4.00

Sample: 253269 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		494	mg/Kg	4.00

Sample: 253270 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		235	mg/Kg	4.00

Sample: 253271 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253272 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253273 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		1110	mg/Kg	4.00

Sample: 253274 - AH-8 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253275 - AH-8 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253276 - AH-8 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253277 - AH-8 3-3.5'

Param	Flag	Result	Units	RL
Chloride		200	mg/Kg	4.00

Sample: 253278 - AH-8 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253279 - AH-9 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253280 - AH-9 1-1.5'

Param	Flag	Result	Units	RL
Chloride		381	mg/Kg	4.00

Sample: 253281 - AH-10 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253282 - AH-10 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253283 - AH-11 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 253284 - AH-11 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

xwo #: 10121328

Analysis Request of Chain of Custody Record

PAGE: 2 Of: 4

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMR

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTX 8021B

TPH 8015 MOB. TX1005 (Ext. to C95)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/808

Chlorides

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

2532163

12/7

S

X

AH-4

1-1.5'

2' BEE

1

264

AH-5

0-1'

265

AH-5

1-1.5'

266

AH-5

2-2.5'

267

AH-5

3-3.5'

268

AH-5

4-4.5'

269

12/8

AH-6

0-1'

2wo#: 10121328

Analysis Request of Chain of Custody Record

PAGE: 3 OF 4



TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

CLIENT NAME:			SITE MANAGER:			PROJECT NO.:		PROJECT NAME:		LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD												
																			HCL	HNO3	ICE	NONE									
COG			TLC Tovar			1141-400 742		COG/ North West Central TB																							
253273	12/8		5	X		AH-7	2-2.5'																								
						AH-7	3-3.5'																								
274						AH-8	0-1'																								
275						AH-8	1-1.5'																								
276						AH-8	2-2.5'																								
277						AH-8	3-3.5'																								
278						AH-8	4-4.5'																								
279						AH-9	0-1'																								
280						AH-9	1-1.5'																								
281	✓		✓	✓		AH-10	0-1'																								

RELINQUISHED BY: (Signature)	Date: 12/16/10	Time: 10:30	RECEIVED BY: (Signature)	Date: 12/16/10	Time: 12:36	SAMPLED BY: (Print & Initial)	Date: 12-8-10	Time: 12:35
RELINQUISHED BY: (Signature)	Date:	Time:	RECEIVED BY: (Signature)	Date:	Time:	SAMPLE SHIPPED BY: (Circle)	AIRBILL #:	
RELINQUISHED BY: (Signature)	Date:	Time:	RECEIVED BY: (Signature)	Date:	Time:	FEDEX	BUS	
RELINQUISHED BY: (Signature)	Date:	Time:	RECEIVED BY: (Signature)	Date:	Time:	HAND DELIVERED	UPS	OTHER:
RECEIVING LABORATORY:	STATE: TX	ZIP:	RECEIVED BY: (Signature)	DATE:	TIME:	TETRA TECH CONTACT PERSON:	Results by:	
CITY: Midland	PHONE:					TLC Tovar	RUSH Charges	
CONTACT: Florida							Authorized:	
SAMPLE CONDITION WHEN RECEIVED:	REMARKS:						Yes	No
3.6°C intact								

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

XWO #: 10121328

Analysis Request of Chain of Custody Record

PAGE: 4 of 4

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

SITE MANAGER:

PROJECT NO.:

PROJECT NAME:

LAB I.D.
NUMBER

DATE

TIME

MATRIX

COMP

GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B

CPE 8015 MOD TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/608

Pest. 808/608

Chlorides

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLED BY: (Print & Initial)

Date:

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

ADDRESS:

CITY:

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

3.6 contact

 FEDEX
 HAND DELIVERED

 BUS
 UPS

OTHER:

TETRA TECH CONTACT PERSON:

Results by:

 Ike
 Tawmiz

RUSH Charges

Authorized:

Yes No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Summary Report

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

Report Date: March 24, 2011

Work Order: 11022802



Project Name: COG/McIntyre Tank Battery
Project Number: 114-6400742

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
258876	SB-1 (0-1')	Soil	2011-02-23	00:00	2011-02-25
258877	SB-1 (3')	Soil	2011-02-23	00:00	2011-02-25
258878	SB-1 (5')	Soil	2011-02-23	00:00	2011-02-25
258879	SB-1 (7')	Soil	2011-02-23	00:00	2011-02-25
258880	SB-1 (10')	Soil	2011-02-23	00:00	2011-02-25
258881	SB-1 (15')	Soil	2011-02-23	00:00	2011-02-25
258882	SB-1 (20')	Soil	2011-02-23	00:00	2011-02-25
258883	SB-2 (0-1')	Soil	2011-02-23	00:00	2011-02-25
258884	SB-2 (3')	Soil	2011-02-23	00:00	2011-02-25
258885	SB-2 (5')	Soil	2011-02-23	00:00	2011-02-25
258886	SB-2 (7')	Soil	2011-02-23	00:00	2011-02-25
258887	SB-2 (10')	Soil	2011-02-23	00:00	2011-02-25
258888	SB-2 (15')	Soil	2011-02-23	00:00	2011-02-25
258889	SB-2 (20')	Soil	2011-02-23	00:00	2011-02-25
258890	SB-2 (25')	Soil	2011-02-23	00:00	2011-02-25
258891	SB-2 (30')	Soil	2011-02-23	00:00	2011-02-25
258892	SB-2 (40')	Soil	2011-02-23	00:00	2011-02-25
258893	SB-3 (0-1') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258894	SB-3 (3') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258895	SB-3 (5') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258896	SB-3 (7') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258897	SB-3 (10') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258898	SB-3 (15') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258899	SB-3 (20') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258900	SB-3 (25') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258901	SB-3 (30') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258902	SB-3 (40') 1' BEB	Soil	2011-02-23	00:00	2011-02-25
258903	SB-4 (0-1')	Soil	2011-02-24	00:00	2011-02-25
258904	SB-4 (3')	Soil	2011-02-24	00:00	2011-02-25
258905	SB-4 (5')	Soil	2011-02-24	00:00	2011-02-25
258906	SB-4 (7')	Soil	2011-02-24	00:00	2011-02-25

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
258907	SB-4 (10')	Soil	2011-02-24	00:00	2011-02-25
258908	SB-4 (15')	Soil	2011-02-24	00:00	2011-02-25
258909	SB-4 (20')	Soil	2011-02-24	00:00	2011-02-25
258910	SB-4 (25')	Soil	2011-02-24	00:00	2011-02-25
258911	SB-4 (30')	Soil	2011-02-24	00:00	2011-02-25
258912	SB-4 (40')	Soil	2011-02-24	00:00	2011-02-25
258913	SB-5 (3')	Soil	2011-02-24	00:00	2011-02-25
258914	SB-5 (5')	Soil	2011-02-24	00:00	2011-02-25
258915	SB-5 (7')	Soil	2011-02-24	00:00	2011-02-25
258916	SB-5 (10')	Soil	2011-02-24	00:00	2011-02-25
258917	SB-5 (15')	Soil	2011-02-24	00:00	2011-02-25
258918	SB-5 (20')	Soil	2011-02-24	00:00	2011-02-25
258919	SB-5 (25')	Soil	2011-02-24	00:00	2011-02-25
258920	SB-5 (30')	Soil	2011-02-24	00:00	2011-02-25
258921	SB-5 (40')	Soil	2011-02-24	00:00	2011-02-25
258922	SB-6 (3')	Soil	2011-02-24	00:00	2011-02-25
258923	SB-6 (5')	Soil	2011-02-24	00:00	2011-02-25
258924	SB-6 (7')	Soil	2011-02-24	00:00	2011-02-25
258925	SB-6 (10')	Soil	2011-02-24	00:00	2011-02-25
258926	SB-6 (15')	Soil	2011-02-24	00:00	2011-02-25
258927	SB-6 (20')	Soil	2011-02-24	00:00	2011-02-25
258928	SB-7 (0-1')	Soil	2011-02-24	00:00	2011-02-25
258929	SB-7 (3')	Soil	2011-02-24	00:00	2011-02-25
258930	SB-7 (5')	Soil	2011-02-24	00:00	2011-02-25
258931	SB-7 (7')	Soil	2011-02-24	00:00	2011-02-25
258932	SB-7 (10')	Soil	2011-02-24	00:00	2011-02-25
258933	SB-7 (15')	Soil	2011-02-24	00:00	2011-02-25
258934	SB-7 (20')	Soil	2011-02-24	00:00	2011-02-25
258935	SB-7 (25')	Soil	2011-02-24	00:00	2011-02-25
258936	SB-7 (30')	Soil	2011-02-24	00:00	2011-02-25
258937	SB-7 (40')	Soil	2011-02-24	00:00	2011-02-25

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)
258876 - SB-1 (0-1')	<0.400	2.33	18.8	26.1	7540	1420
258877 - SB-1 (3')					6890	1490
258878 - SB-1 (5')					162	14.4
258879 - SB-1 (7')					<50.0	<2.00
258883 - SB-2 (0-1')	22.8	131	71.4	107	2790	3930
258884 - SB-2 (3')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	7.48
258885 - SB-2 (5')	<0.0200	<0.0200	<0.0200	0.395	<50.0	19.7
258893 - SB-3 (0-1') 1' BEB	0.342	0.677	1.05	5.70	685	707
258903 - SB-4 (0-1')	7.98	120	90.3	117	6770	3630
258904 - SB-4 (3')	9.49	88.7	58.4	75.1	1260	2460
258905 - SB-4 (5')	13.8	124	83.0	104	2980	3460
258906 - SB-4 (7')	<0.100	<0.100	2.46	5.38	215	568
258907 - SB-4 (10')	<0.100	<0.100	<0.100	0.286	107	153
258908 - SB-4 (15')	<0.0400	<0.0400	<0.0400	<0.0400	105	22.5

continued ...

... continued

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)
258909 - SB-4 (20')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
258913 - SB-5 (3')	<0.0200	0.176	<0.0200	0.388	<50.0	<2.00
258922 - SB-6 (3')	<0.0200	<0.0200	<0.0200	0.379	<50.0	<2.00
258928 - SB-7 (0-1')	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

Sample: 258876 - SB-1 (0-1')

Param	Flag	Result	Units	RL
Chloride		215	mg/Kg	4.00

Sample: 258877 - SB-1 (3')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258878 - SB-1 (5')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258879 - SB-1 (7')

Param	Flag	Result	Units	RL
Chloride		220	mg/Kg	4.00

Sample: 258880 - SB-1 (10')

Param	Flag	Result	Units	RL
Chloride		251	mg/Kg	4.00

Sample: 258881 - SB-1 (15')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258882 - SB-1 (20')

Param	Flag	Result	Units	RL
Chloride		261	mg/Kg	4.00

Sample: 258883 - SB-2 (0-1')

Param	Flag	Result	Units	RL
Chloride		256	mg/Kg	4.00

Sample: 258884 - SB-2 (3')

Param	Flag	Result	Units	RL
Chloride		327	mg/Kg	4.00

Sample: 258885 - SB-2 (5')

Param	Flag	Result	Units	RL
Chloride		721	mg/Kg	4.00

Sample: 258886 - SB-2 (7')

Param	Flag	Result	Units	RL
Chloride		534	mg/Kg	4.00

Sample: 258887 - SB-2 (10')

Param	Flag	Result	Units	RL
Chloride		1390	mg/Kg	4.00

Sample: 258888 - SB-2 (15')

Param	Flag	Result	Units	RL
Chloride		1240	mg/Kg	4.00

Sample: 258889 - SB-2 (20')

Param	Flag	Result	Units	RL
Chloride		1630	mg/Kg	4.00

Sample: 258890 - SB-2 (25')

Param	Flag	Result	Units	RL
Chloride		249	mg/Kg	4.00

Sample: 258891 - SB-2 (30')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258892 - SB-2 (40')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258893 - SB-3 (0-1') 1' BEB

Param	Flag	Result	Units	RL
Chloride		539	mg/Kg	4.00

Sample: 258894 - SB-3 (3') 1' BEB

Param	Flag	Result	Units	RL
Chloride		718	mg/Kg	4.00

Sample: 258895 - SB-3 (5') 1' BEB

Param	Flag	Result	Units	RL
Chloride		310	mg/Kg	4.00

Sample: 258896 - SB-3 (7') 1' BEB

Param	Flag	Result	Units	RL
Chloride		239	mg/Kg	4.00

Sample: 258897 - SB-3 (10') 1' BEB

Param	Flag	Result	Units	RL
Chloride		1520	mg/Kg	4.00

Sample: 258898 - SB-3 (15') 1' BEB

Param	Flag	Result	Units	RL
Chloride		3980	mg/Kg	4.00

Sample: 258899 - SB-3 (20') 1' BEB

Param	Flag	Result	Units	RL
Chloride		498	mg/Kg	4.00

Sample: 258900 - SB-3 (25') 1' BEB

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258901 - SB-3 (30') 1' BEB

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258902 - SB-3 (40') 1' BEB

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258903 - SB-4 (0-1')

Param	Flag	Result	Units	RL
Chloride		1260	mg/Kg	4.00

Sample: 258904 - SB-4 (3')

Param	Flag	Result	Units	RL
Chloride		2230	mg/Kg	4.00

Sample: 258905 - SB-4 (5')

Param	Flag	Result	Units	RL
Chloride		2250	mg/Kg	4.00

Sample: 258906 - SB-4 (7')

Param	Flag	Result	Units	RL
Chloride		2870	mg/Kg	4.00

Sample: 258907 - SB-4 (10')

Param	Flag	Result	Units	RL
Chloride		3850	mg/Kg	4.00

Sample: 258908 - SB-4 (15')

Param	Flag	Result	Units	RL
Chloride		3450	mg/Kg	4.00

Sample: 258909 - SB-4 (20')

Param	Flag	Result	Units	RL
Chloride		1530	mg/Kg	4.00

Sample: 258910 - SB-4 (25')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258911 - SB-4 (30')

Param	Flag	Result	Units	RL
Chloride		416	mg/Kg	4.00

Sample: 258912 - SB-4 (40')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Q

Sample: 258913 - SB-5 (3')

Param	Flag	Result	Units	RL
Chloride		672	mg/Kg	4.00

Sample: 258914 - SB-5 (5')

Param	Flag	Result	Units	RL
Chloride		652	mg/Kg	4.00

Sample: 258915 - SB-5 (7')

Param	Flag	Result	Units	RL
Chloride		2740	mg/Kg	4.00

Sample: 258916 - SB-5 (10')

Param	Flag	Result	Units	RL
Chloride		3300	mg/Kg	4.00

Sample: 258917 - SB-5 (15')

Param	Flag	Result	Units	RL
Chloride		462	mg/Kg	4.00

Sample: 258918 - SB-5 (20')

Param	Flag	Result	Units	RL
Chloride		260	mg/Kg	4.00

Sample: 258919 - SB-5 (25')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258920 - SB-5 (30')

Param	Flag	Result	Units	RL
Chloride		244	mg/Kg	4.00

Sample: 258921 - SB-5 (40')

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 258922 - SB-6 (3')

Param	Flag	Result	Units	RL
Chloride		1420	mg/Kg	4.00

Sample: 258923 - SB-6 (5')

Param	Flag	Result	Units	RL
Chloride		1080	mg/Kg	4.00

Sample: 258924 - SB-6 (7')

Param	Flag	Result	Units	RL
Chloride		1010	mg/Kg	4.00

Sample: 258925 - SB-6 (10')

Param	Flag	Result	Units	RL
Chloride		467	mg/Kg	4.00

Sample: 258926 - SB-6 (15')

Param	Flag	Result	Units	RL
Chloride		252	mg/Kg	4.00

Sample: 258927 - SB-6 (20')

Param	Flag	Result	Units	RL
Chloride		242	mg/Kg	4.00

Sample: 258928 - SB-7 (0-1')

Param	Flag	Result	Units	RL
Chloride		793	mg/Kg	4.00

Sample: 258929 - SB-7 (3')

Param	Flag	Result	Units	RL
Chloride		1370	mg/Kg	4.00

Sample: 258930 - SB-7 (5')

Param	Flag	Result	Units	RL
Chloride		3980	mg/Kg	4.00

Sample: 258931 - SB-7 (7')

Param	Flag	Result	Units	RL
Chloride		2710	mg/Kg	4.00

Sample: 258932 - SB-7 (10')

Param	Flag	Result	Units	RL
Chloride		709	mg/Kg	4.00

Sample: 258933 - SB-7 (15')

Param	Flag	Result	Units	RL
Chloride		310	mg/Kg	4.00

Sample: 258934 - SB-7 (20')

Param	Flag	Result	Units	RL
Chloride		383	mg/Kg	4.00

Sample: 258935 - SB-7 (25')

Param	Flag	Result	Units	RL
Chloride		336	mg/Kg	4.00

Sample: 258936 - SB-7 (30')

Param	Flag	Result	Units	RL
Chloride		1900	mg/Kg	4.00

Sample: 258937 - SB-7 (40')

Param	Flag	Result	Units	RL
Chloride		1090	mg/Kg	4.00

XWO #: 11022802

Analysis Request of Chain of Custody Record

**TETRA TECH**
 1910 N. Big Spring St.
 Midland, Texas 79705
 (432) 682-4559 • Fax (432) 682-3946

PAGE: 1 OF: 7

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tararez

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (V)	HCL	HNO3	ICE	NONE	BYEX 802TB	TPH 8015	PAH 8270	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi V	RCI	GC/MS Vol.	GC/MS Semi	PCB's 8080/60	Pest. 808/60	Chloride	Gamma Spec	Alpha Beta (n	PLM (Asbest	Major Anion	
298876	2/23		S	X		SB-1 (0-1')	1	N		X		X	X											X					
877						SB-1 (3')																							
878						SB-1 (5')																							
879						SB-1 (7')																							
880						SB-1 (10')																							
881						SB-1 (15')																							
882						SB-1 (20')																							
883						SB-2 (0-1')																							
884						SB-2 (3')																							
885						SB-2 (5')																							

RELINQUISHED BY: (Signature)

Date: 2-23-11

RECEIVED BY: (Signature)

Date: 2/23/11

SAMPLED BY: (Print & Initial)

Date: 2-23-11

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

SAMPLE SHIPPED BY: (Circle)

AIRBILL #: _____

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

HAND DELIVERED

OTHER: _____

RECEIVING LABORATORY:

Trace

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT:

PHONE: _____

DATE: _____

TIME: _____

TETRA TECH CONTACT PERSON:

Ike Tararez

Results by:

RUSH Charges Authorized:

Yes

No

SAMPLE CONDITION WHEN RECEIVED:

28°C intact

REMARKS:

If TPH > 5,000 mg/kg Run deeper samples - or - if Total BTEX > 50 mg/kg

X All tests - Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

2wo #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 2 OF: 7

**TETRA TECH**1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D.
NUMBERDATE
2011

TIME

MATRIX
COMP
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/824

GC/MS Semi. Vol. 8270/825

PCB's 8080/808

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

RELINQUISHED BY: (Signature)

Date: 2-23-11

Time:

RECEIVED BY: (Signature)

Date: 2/23/11

Time: 16:56

SAMPLED BY: (Print & Initial)

Date: 2-23-11

Time:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

SAMPLE SHIPPED BY: (Circle)

AIRBILL #:

FEDEX

BUS

HAND DELIVERED

UPS

OTHER:

RELINQUISHED BY: (Signature)

Date:

Time:

RECEIVED BY: (Signature)

Date:

Time:

TETRA TECH CONTACT PERSON:

Results by:

RECEIVING LABORATORY:

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

DATE:

TIME:

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.8°C intact

IF TPH > 5,000 mg/kg - OR - IF total BTEX > 500 mg/kg Run deeper Samples

Ike
TavarazRUSH Charges
Authorized:
Yes No

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

X WO #: 11022802

Analysis Request of Chain of Custody Record

PAGE: 3 OF: 7

**TETRA TECH**

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

McIntyre Tank Battery

LAB I.D.
NUMBERDATE
2011

TIME

MATRIX
COMF
GRAB

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

FILTERED (Y/N)

HCL

HNO3

ICE

NONE

PRESERVATIVE
METHOD

BTEX 8021B

TPH 8015 MOD. TX1005 (Ext. to C35)

PAH 8270

RCRA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Vt Pd Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8240/8260/624

GC/MS Semi. Vol. 8270/625

PCBs 8080/608

Pest. 809/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

258896

2/23

S

X

SB-3 (7') 1' BEB

1

N

X

897

SB-3 (10') 1' BEB

898

SB-3 (15') 1' BEB

899

SB-3 (20') 1' BEB

900

SB-3 (25') 1' BEB

901

SB-3 (30') 1' BEB

902

2/23

SB-3 (40') 1' BEB

903

2/24

SB-4 (0-1')

904

SB-4 (3')

905

SB-4 (5')

RELINQUISHED BY: (Signature)

Date: 2-23-11

Time: 10:10

RECEIVED BY: (Signature)

Date: 2/23/11

Time: 10:10

SAMPLED BY: (Print & Initial)

Kam

2-23-11

Date: 2-24-11

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

SAMPLE SHIPPED BY: (Circle)

FEDEX

BUS

AIRBILL #:

HAND DELIVERED

UPS

OTHER: _____

RELINQUISHED BY: (Signature)

Date: _____

Time: _____

RECEIVED BY: (Signature)

Date: _____

Time: _____

TETRA TECH CONTACT PERSON:

Ike
Tavaraz

Results by:

RUSH Charges

Authorized:

Yes

No

RECEIVING LABORATORY:

ADDRESS:

CITY: Midland

STATE:

ZIP:

CONTACT:

PHONE:

RECEIVED BY: (Signature)

Date: _____

TIME:

SAMPLE CONDITION WHEN RECEIVED:

28°C intact

REMARKS:

IF TPH 75.000 mg/kg - OR - IF Total BTEX 750 mg/kg Run deeper Samples

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

2 wo #: 11022802

Analysis Request of Chain of Custody Record



TETRA TECH

1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 5 OF: 7

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:

COG

SITE MANAGER:

Ike Tavaraz

PROJECT NO.:

114-6400742

PROJECT NAME:

M-Intire Tank Battery

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF FILTERED (Y/N)	HCL	HNO3	ICE	NONE	BTX 8021B	TPH (8015 MOD. TX1005 (Ext to C35))	PAH 8270	PCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS	
28916	2/24		S		X	SB-5 (10')	1	N		X															X				
917						SB-5 (15')																							
918						SB-5 (20')																							
919						SB-5 (25')																							
920						SB-5 (30')																							
921						SB-5 (40')																							
922						SB-6 (3')																							
923						SB-6 (5')																							
924						SB-6 (7')																							
925						SB-6 (10')																							

RELINQUISHED BY: (Signature)

Date: 2-25-11

RECEIVED BY: (Signature)

Date: 2/25/11

SAMPLED BY: (Print & Initial)

Date: 2-24-11

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

SAMPLE SHIPPED BY: (Circle)

AIRBILL #: _____

RELINQUISHED BY: (Signature)

Date: _____

RECEIVED BY: (Signature)

Date: _____

HAND DELIVERED UPS

OTHER: _____

RECEIVING LABORATORY:

Tetra

RECEIVED BY: (Signature)

ADDRESS:

CITY: Midland

STATE: _____

ZIP: _____

CONTACT:

PHONE: _____

DATE: _____

TIME: _____

SAMPLE CONDITION WHEN RECEIVED:

REMARKS:

2.8c intact

IF TPH > 5,000 mg/kg - OR - IF Total BTX > 50 mg/kg Run deeper samples

Please fill out all copies - Laboratory retains Yellow copy - Return Original copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

