Bratcher, Mike, EMNRD

From: Tavarez, Ike [Ike.Tavarez@tetratech.com]
Sent: Monday, October 04, 2010 3:36 PM
To: Bratcher, Mike, EMNRD; Terry Gregston (terry_gregston@nm.blm.gov)
Cc: Pat Ellis; Joshua Russo; 'James Amos (james_amos@nm.blm.gov)'
Subject: COG - Tex-Mack Work Plan
Attachments: Tex_Mack_Work_Plan.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

COG Operating
Tex-Mack 11 Federal #35
Section 11, T17S, R31E, Unit M
Eddy County, New Mexico

Mike and Terry,

Please find the attached the work plan for the COG - Tex-Mack 11 Federal #35, Eddy County, New Mexico for your review. Once approved, Tetra Tech will schedule the soil remediation at the site. Call me if you have any questions or comments on the work plan, thanks

Ike Tavarez, PG Senior Project Manager

Ike.Tavarez@tetratech.com

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 August 8, 2010, Tetra Tech personnel inspected and sampled the spill area. A total of six (6) auger holes (AH-1 through AH-6) were installed using a stainless steel hand auger to assess the impacted soils. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3.

Referring to Table 1, none of the samples at AH-1, AH-2 and AH-3 exceeded the RRAL for TPH and BTEX. Auger holes (AH-4 and AH-5) did show TPH and BTEX concentrations above RRAL at 0-1' and 0 to 5' below surface, respectively. The deeper samples declined below the RRAL at AH-4 (1-1.5') and AH-5 (6-6.5') below surface. The chloride impact was defined in AH-1, AH-2, AH-3, AH-4, and AH-6, at a depth of 1.0' below surface. Auger holes (AH-5) did show increasing chloride concentrations at the bottom of the auger hole, with chloride concentrations of 1,220 mg/kg at 7.0' and 1,060 mg/kg at 9.0'.

Work Plan

In order to remove the chloride impacted soil, COG proposes to excavate the spill area approximately 1.0' in the areas of AH-1, AH-2, AH-3, AH-4, and AH-6. In the area of AH-5, the impacted soil will excavated to a depth of 6.0' below surface to remove the hydrocarbon impacted soil. The proposed excavation depths (highlighted) are shown in Table 1. Once completed, a backhoe will be used to install test trench to grab deeper

TETRA TECH

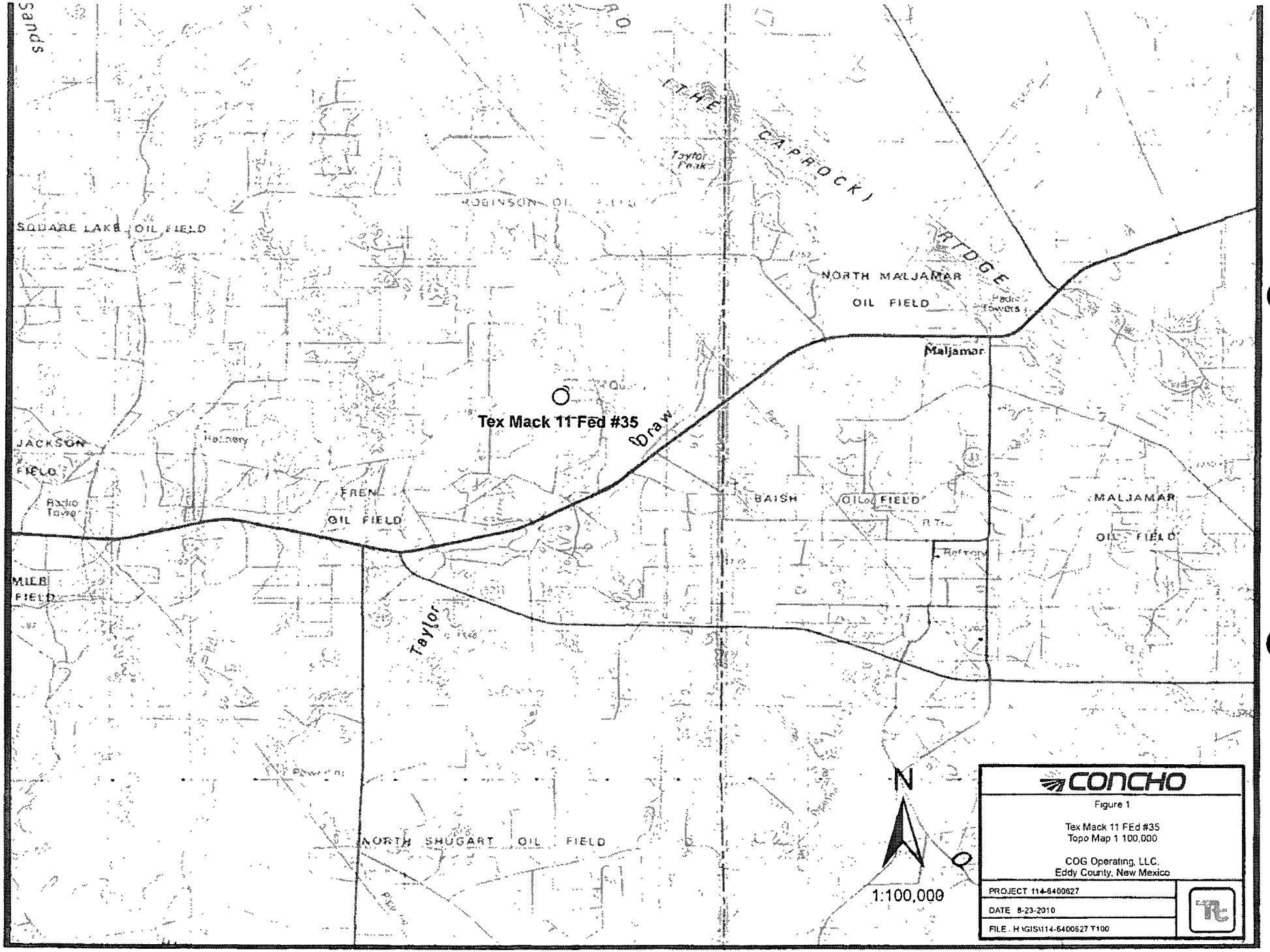
samples to define the extent of the chloride impact in the area, if accessible. All the excavated soil will be transported to proper disposal. Once completed, the excavations will backfilled with clean soil.

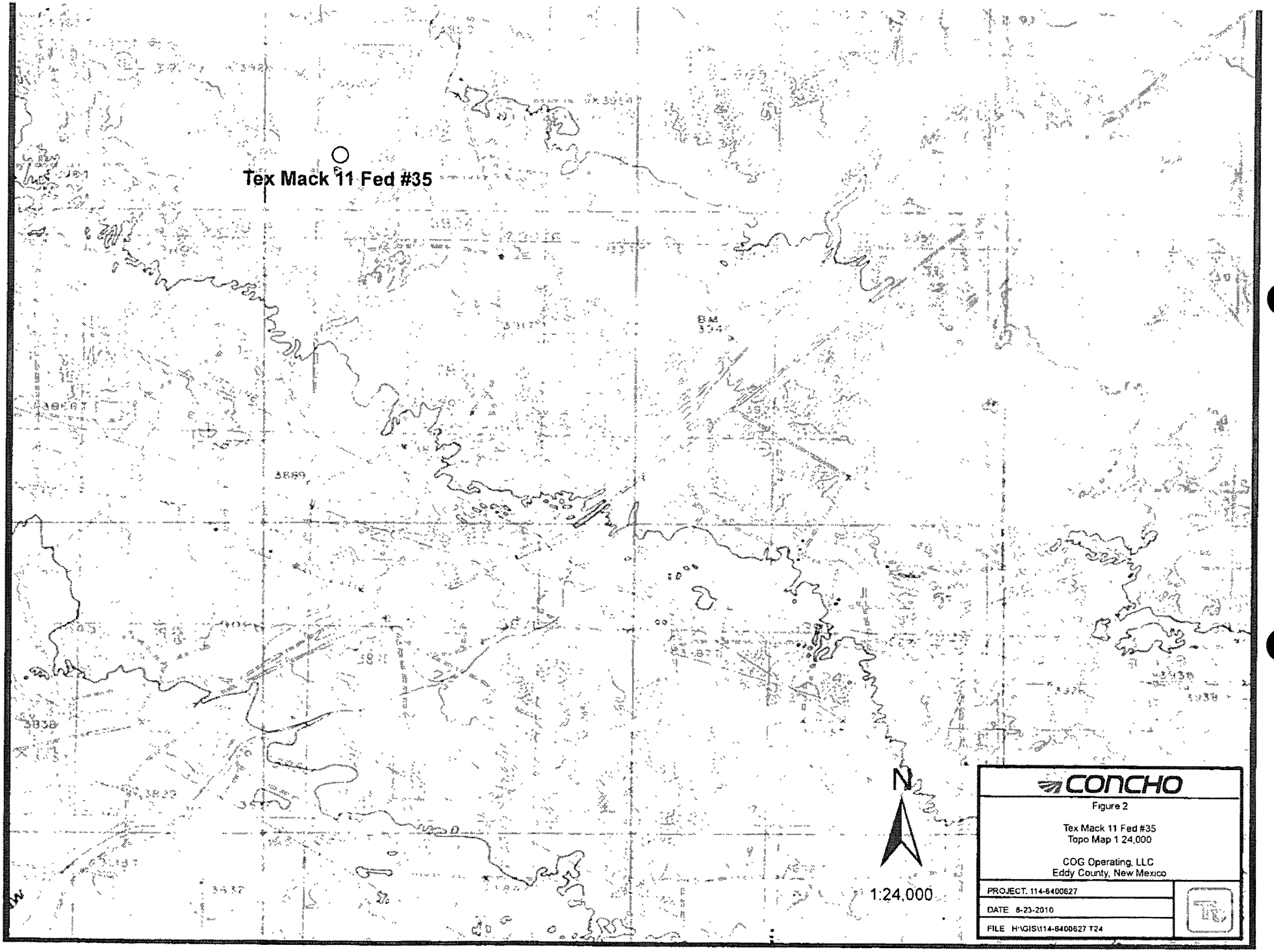
If you have any questions or comments concerning the assessment or the proposed remediation activities, please call me at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez
Project Manager

cc: Pat Ellis – COG
cc: Terry Gregston – BLM


SQUARE LAKE OIL FIELD
ROBINSON OIL FIELD
THE CAPROCK RIDGE
NORTH MALJAMAR
OIL FIELD
Maljamar
Tex Mack 11 Fed #35
Draw
JACKSON
FIELD
Refinery
Radio Tower
FREN
OIL FIELD
BAISH OIL FIELD
MALJAMAR
OIL FIELD
MILB
FIELD
Taylor
NORTH SHUGART OIL FIELD
N
1:100,000
CONCHO
Figure 1
Tex Mack 11 FEd #35
Topo Map 1 100,000
COG Operating, LLC.
Eddy County, New Mexico
PROJECT 114-6400627
DATE 8-23-2010
FILE : H:\GIS\114-6400527 T100


Tex Mack 11 Fed #35
N
1:24,000
CONCHO
Figure 2
Tex Mack 11 Fed #35
Topo Map 1 24,000
COG Operating, LLC
Eddy County, New Mexico
PROJECT: 114-6400627
DATE: 8-23-2010
FILE: H:\GIS\114-6400627 T24

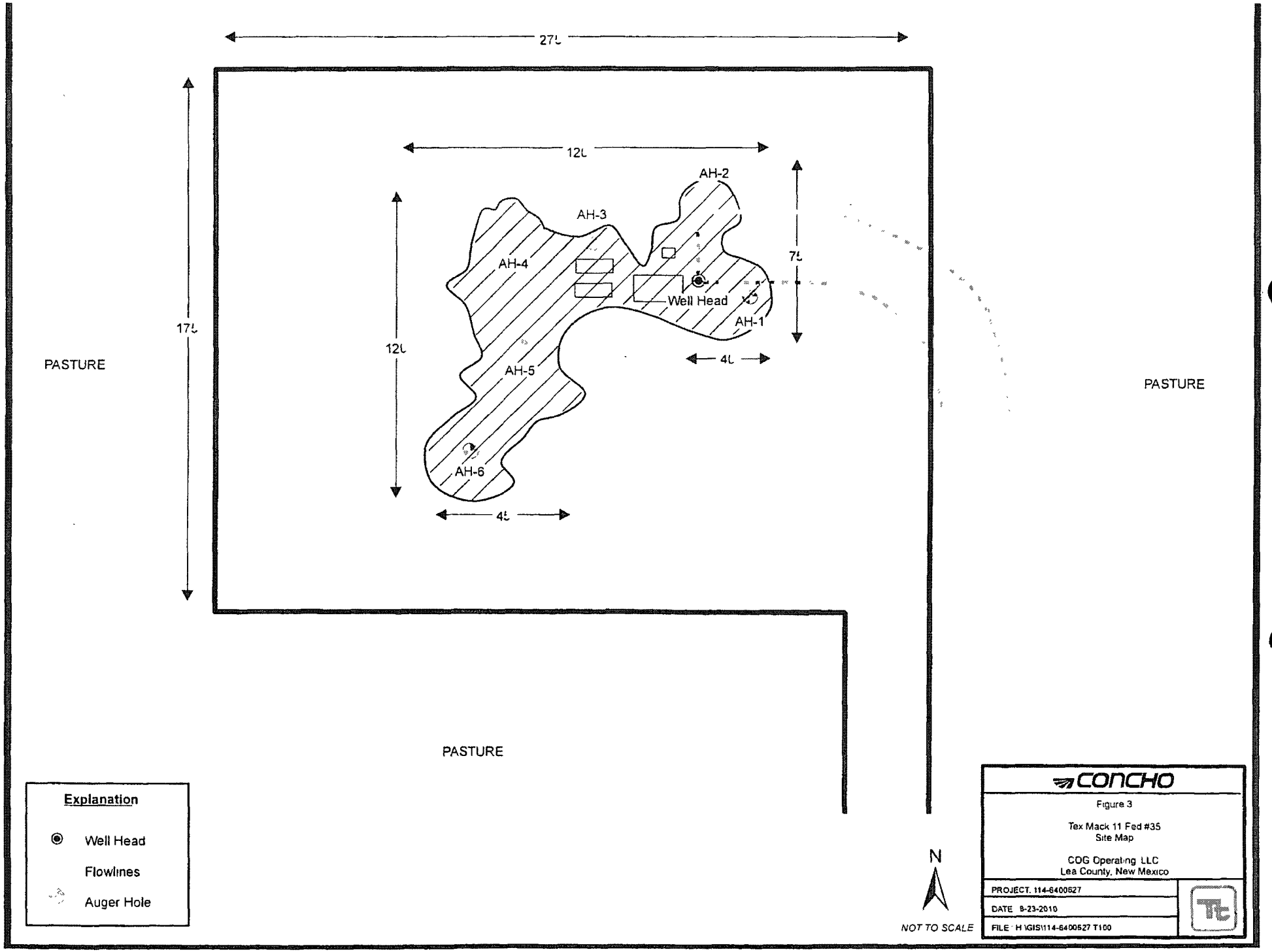

27L
17L
12L
12L
AH-2
AH-3
AH-4
AH-5
AH-6
Well Head
AH-1
7L
4L
4L
PASTURE
PASTURE
PASTURE
Explanation
Well Head
Flowlines
Auger Hole
N
NOT TO SCALE
CONCHO
Figure 3
Tex Mack 11 Fed #35
Site Map
COG Operating LLC
Lea County, New Mexico
PROJECT: 114-6400527
DATE: 8-23-2010
FILE: H:\GIS\114-6400527 T100

Table 1
COG Operating LLC.
TEX-MACK 11 FEDERAL #35
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)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	8/12/2010	0-1'		X		3.01	51.6	54.6	<0.0200	<0.0200	<0.0200	<0.0200	1,520
	"	1-1.5'		X		-	-	-	-	-	-	-	317
	"	2-2.5'		X		-	-	-	-	-	-	-	206
	"	3-3.5'		X		-	-	-	-	-	-	-	212
	"	4-4.5'		X		-	-	-	-	-	-	-	<200
AH-2	8/12/2010	0-1'		X		9.77	<50.0	9.77	<0.0200	<0.0200	<0.0200	<0.0200	3,320
	"	1-1.5'		X		-	-	-	-	-	-	-	808
	"	2-2.5'		X		-	-	-	-	-	-	-	351
	"	3-3.5'		X		-	-	-	-	-	-	-	<200
	"	4-4.5'		X		-	-	-	-	-	-	-	<200
	"	5-5.5'		X		-	-	-	-	-	-	-	1,890
	"	6-6.5'		X		-	-	-	-	-	-	-	351
	"	6.5-7'		X		-	-	-	-	-	-	-	<200
AH-3	8/12/2010	0-1'		X		<2.00	<50.0	<50.0	-	-	-	-	2,100
	"	1-1.5'		X		-	-	-	-	-	-	-	233
	"	2-2.5'		X		-	-	-	-	-	-	-	<200
	"	3-3.5'		X		-	-	-	-	-	-	-	<200
	"	4-4.5'		X		-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC.
TEX-MACK 11 FEDERAL #35
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)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-4	8/12/2010	0-1'		X		1,910	4,580	6,490	1.15	14.6	26.8	33.3	731
	"	1-1.5'		X		<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	2-2.5'		X		-	-	-	-	-	-	-	<200
	"	3-3.5'		X		-	-	-	-	-	-	-	<200
	"	4-4.5'		X		-	-	-	-	-	-	-	<200
AH-5	8/12/2010	0-1'		X		2,720	2,590	5,310	6.43	36.0	32.0	36.5	1,620
	"	1-1.5'		X		4,320	6,940	11,260	22.4	104	81.8	95.6	704
	"	2-2.5'		X		2,610	4,470	7,080	7.78	67.6	58.1	67.6	307
	"	3-3.5'		X		2,940	3,430	6,370	4.16	60.8	58.8	67.2	302
	"	4-4.5'		X		1,060	4,040	5,100	1.71	22.2	22.1	24.9	222
	"	5-5.5'		X		2,310	4,460	6,770	12.0	86.9	77.6	83.1	<200
	"	6-6.5'		X		2.40	<50.0	2.40	<0.0200	<0.0200	<0.0200	<0.0200	291
	"	7-7.5'		X		-	-	-	-	-	-	-	1,220
	"	8-8.5'		X		-	-	-	-	-	-	-	1,360
	"	9-9.5'		X		-	-	-	-	-	-	-	1,060
AH-6	8/12/2010	0-1'		X		<2.00	<50.0	<50.0	-	-	-	-	1,280
	"	1-1.5'		X		-	-	-	-	-	-	-	<200
	"	2-2.5'		X		-	-	-	-	-	-	-	<200
	"	3-3.5'		X		-	-	-	-	-	-	-	<200
	"	4-4.5'		X		-	-	-	-	-	-	-	<200

BEB Below Excavation Bottom

(--) Not Analyzed

Proposed Excavation Depths

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 Repor

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	Tex Mack 11 Federal #35	Facility Type	Well

Surface Owner Federal	Mineral Owner	Lease No. (API#) 30-015-37667

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	11	17S	31E	920	SOUTH	1024	WEST	EDDY

Latitude 32 50.659 **Longitude** 103 50.721

NATURE OF RELEASE

Type of Release Produced Fluid	Volume of Release 70bbls	Volume Recovered 60bbls
Source of Release Wellbore (casing)	Date and Hour of Occurrence 07/27/2010	Date and Hour of Discovery 07/27/2010 1:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher—OCD	
By Whom? Josh Russo	Date and Hour 07/28/2010 10:52 a.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.*

The well was flowing up the backside and a shallow hole in the 5 ½ casing allowed fluid to escape into the 8 5/8 casing. The fluid in the 8 5/8 casing then escaped into the wellbore due to an improper seal between the 5 ½ and 8 5/8 casing. The well is in the process of being repaired and put back into service.

Describe Area Affected and Cleanup Action Taken.*

Initially 70bbls of produced fluid escaped from the wellbore covering roughly 40% of the well pad in fluid. We were able to recover 60bbls of fluid with a vacuum truck. All released fluid remained on the well pad location. 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.

OIL CONSERVATION DIVISION

Signature:

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: 08/03/2010 Phone: 432-212-2399

Attach Additional Sheets If Necessary

Water Well Data
Average Depth to Groundwater (ft)
COG - Tex Mack 11 Federal #35
Eddy County, New Mexico

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

16 South 32 East

6	5	4	3 65	2 265	1 265
7	8	9	10	11	12 215
18	17	16 221	15	14	13 215
19 220	20	21 210	22	23 210	24
30	29	28	27	26 243	25
31	32	33	34	35	36 260

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 SITE	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

17 South 32 East

6	5	4 82	3 175	2 60	1 225
7	8	9	10	11 70 88	12 120
18	17	16	15	14	13
19	20	21	22	23	24
30 180 dry	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

18 South 32 East

6	5	4 65	3	2	1
7 460 82	8	9	10	11	12
18	17	16 84	15	14	13
19	20 164	21	22 429	23	24
30	29	28	27	26	25
31	32	33	34 117	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
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 27, 2010

Work Order: 10081616

Project Location: Eddy County, NM
Project Name: COG/Tex-Mark 11 Fed. #35
Project Number: 114-6400627

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
241117	AH-1 0-1'	soil	2010-08-12	00:00	2010-08-13
241118	AH-1 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241119	AH-1 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241120	AH-1 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241121	AH-1 4-4.5'	soil	2010-08-12	00:00	2010-08-13
241122	AH-2 0-1'	soil	2010-08-12	00:00	2010-08-13
241123	AH-2 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241124	AH-2 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241125	AH-2 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241126	AH-2 4-4.5'	soil	2010-08-12	00:00	2010-08-13
241127	AH-2 5-5.5'	soil	2010-08-12	00:00	2010-08-13
241128	AH-2 6-6.5'	soil	2010-08-12	00:00	2010-08-13
241129	AH-2 6.5-7'	soil	2010-08-12	00:00	2010-08-13
241130	AH-3 0-1'	soil	2010-08-12	00:00	2010-08-13
241131	AH-3 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241132	AH-3 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241133	AH-3 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241134	AH-3 4-4.5'	soil	2010-08-12	00:00	2010-08-13
241135	AH-4 0-1'	soil	2010-08-12	00:00	2010-08-13
241136	AH-4 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241137	AH-4 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241138	AH-4 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241139	AH-4 4-4.5'	soil	2010-08-12	00:00	2010-08-13
241140	AH-5 0-1'	soil	2010-08-12	00:00	2010-08-13
241141	AH-5 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241142	AH-5 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241143	AH-5 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241144	AH-5 4-4.5'	soil	2010-08-12	00:00	2010-08-13
241145	AH-5 5-5.5'	soil	2010-08-12	00:00	2010-08-13
241146	AH-5 6-6.5'	soil	2010-08-12	00:00	2010-08-13

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
241147	AH-5 7-7.5'	soil	2010-08-12	00:00	2010-08-13
241148	AH-5 8-8.5'	soil	2010-08-12	00:00	2010-08-13
241149	AH-5 9-9.5'	soil	2010-08-12	00:00	2010-08-13
241150	AH-6 0-1'	soil	2010-08-12	00:00	2010-08-13
241151	AH-6 1-1.5'	soil	2010-08-12	00:00	2010-08-13
241152	AH-6 2-2.5'	soil	2010-08-12	00:00	2010-08-13
241153	AH-6 3-3.5'	soil	2010-08-12	00:00	2010-08-13
241154	AH-6 4-4.5'	soil	2010-08-12	00:00	2010-08-13

	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)
241117 - AH-1 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**51.6**	**3.01**
241122 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**9.77**
241130 - AH-3 0-1'					<50.0	<2.00
241135 - AH-4 0-1'	**1.15**	**14.6**	**26.8**	**33.3**	**4580**	**1910**
241136 - AH-4 1-1.5'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
241140 - AH-5 0-1'	**6.43**	**36.0**	**32.0**	**36.5**	**2590**	**2720**
241141 - AH-5 1-1.5'	**22.4**	**104**	**81.8**	**95.6**	**6940**	**4320**
241142 - AH-5 2-2.5'	**7.78**	**67.6**	**58.1**	**67.6**	**4470**	**2610**
241143 - AH-5 3-3.5'	**4.16**	**60.8**	**58.8**	**67.2**	**3430**	**2940**
241144 - AH-5 4-4.5'	**1.71**	**22.2**	**22.1**	**24.9**	**4040**	**1060**
241145 - AH-5 5-5.5'	**12.0**	**86.9**	**77.6**	**83.1**	**4460**	**2310**
241146 - AH-5 6-6.5'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.40**
241150 - AH-6 0-1'					<50.0	<2.00

Sample: 241117 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**1520**	mg/Kg	4.00

Sample: 241118 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**317**	mg/Kg	4.00

Sample: 241119 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**206**	mg/Kg	4.00

Sample: 241120 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**212**	mg/Kg	4.00

Sample: 241121 - AH-1 4-4.5'

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

Sample: 241122 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**3320**	mg/Kg	4.00

Sample: 241123 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**808**	mg/Kg	4.00

Sample: 241124 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**351**	mg/Kg	4.00

Sample: 241125 - AH-2 3-3.5'

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

Sample: 241126 - AH-2 4-4.5'

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

Sample: 241127 - AH-2 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**1890**	mg/Kg	4.00

Sample: 241128 - AH-2 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**351**	mg/Kg	4.00

Sample: 241129 - AH-2 6.5-7'

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

Sample: 241130 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**2100**	mg/Kg	4.00

Sample: 241131 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**233**	mg/Kg	4.00

Sample: 241132 - AH-3 2-2.5'

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

Sample: 241133 - AH-3 3-3.5'

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

Sample: 241134 - AH-3 4-4.5'

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

Sample: 241135 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**731**	mg/Kg	4.00

Sample: 241136 - AH-4 1-1.5'

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

Sample: 241137 - AH-4 2-2.5'

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

Sample: 241138 - AH-4 3-3.5'

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

Sample: 241139 - AH-4 4-4.5'

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

Sample: 241140 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**1620**	mg/Kg	4.00

Sample: 241141 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**704**	mg/Kg	4.00

Sample: 241142 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**307**	mg/Kg	4.00

Sample: 241143 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**302**	mg/Kg	4.00

Sample: 241144 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**222**	mg/Kg	4.00

Sample: 241145 - AH-5 5-5.5'

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

Sample: 241146 - AH-5 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**291**	mg/Kg	4.00

Sample: 241147 - AH-5 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**1220**	mg/Kg	4.00

Sample: 241148 - AH-5 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**1360**	mg/Kg	4.00

Sample: 241149 - AH-5 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**1060**	mg/Kg	4.00

Sample: 241150 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		**1280**	mg/Kg	4.00

Sample: 241151 - AH-6 1-1.5'

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

Sample: 241152 - AH-6 2-2.5'

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

Sample: 241153 - AH-6 3-3.5'

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

Sample: 241154 - AH-6 4-4.5'

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