Bratcher, Mike, EMNRD

From: Tavarez, Ike <Ike.Tavarez@tetratech.com>
Sent: Thursday, August 18, 2011 2:34 PM
To: Bratcher, Mike, EMNRD; Terry Gregston (terry_gregston@nm.blm.gov)
Cc: Pat Ellis; Joshua Russo; Grubbs, Robert
Subject: COG - Sagebrush Federal Tank Battery - Work Plan Approval Request
Attachments: Sagebrush Federal Tank Battery - Work Plan .pdf

Categories: Purple Category

Mike and Terry,

Please find the enclosed Work Plan for the COG - Sagebrush Federal Tank Battery located in Eddy County, New Mexico. Once approved, Tetra Tech will schedule the soil remediation and will notify you before we start. I will mail you a hard copy of the work plan for your files. Please let me know if you need additional information or call me if you have any questions, thanks

Ike Tavarez, PG | Senior Project Manager

Main: 432.682.4559 | Fax: 432.682.3946 | Cell: 432.425.0870

Ike.Tavarez@tetratech.com

Tetra Tech | Complex World, Clear Solutions™

1910 North Big Spring | Midland, TX 79705 www.tetratech.com

SITE INFORMATION

Report Type: Work Plan

General Site Information:		
Site:	Sagebrush Federal	
Company:	COG Operating LLC	
Section, Township and Range	Unit J - Sec 34 - T-18S - R-27E	
Lease Number:	30-015-33910	
County:	Eddy County	
GPS:	32.70130° N	104.26465° W
Surface Owner:	Federal	
Mineral Owner:		
Directions:	From the intersection of Hwy 82 and Illinois Camp Road, travel south on Illinois Camp Road 4.4 mi, right 0.6 mi, right 2.1 mi, left 1.6 mi, right 0.4 mi to location.	

Release Data:	
Date Released:	7/11/2011
Type Release:	Condensate
Source of Contamination:	Hole in tank bottom
Fluid Released:	217 bbls
Fluids Recovered:	0 bbls

Official Communication:			
Name:	Pat Ellis		Kim Dorey
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) 631-0348
Fax:	(432) 684-7137		
Email:	pellis@conchoresources.com		kim.dorey@tetratech.com

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

Acceptable Soil RRAL (mg/kg)		
Benzene	***Total BTEX***	***TPH***
10	50	1,000

TETRA TECH

August 15, 2011

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., Sagebrush Federal Tank Battery, Unit J, Section 34, Township 18 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 from the Sagebrush Federal Tank Battery, Unit J, Section 34, Township 18 South, Range 27 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.70130°, W 104.26465°. 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 July 11, 2011, and released approximately 217 barrels of condensate due to a hole in the bottom of the tank. Zero (0) barrels were recovered from the spill area. The spill was contained inside the facility berm impacting an area under the tank measuring approximately 15' x 15'. The initial Form C-141 is enclosed in Appendix A.

Groundwater

No water wells were listed within Section 34. According to the NMOCD groundwater map, one well is located in Section 28, with a reported depth to water of 92' below surface. Based on these findings, groundwater in this area is less than 100' below surface. The groundwater data is shown in Appendix A.

Tetra Tech
Fax

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 1,000 mg/kg.

Soil Assessment and Analytical Results

Prior to sampling, COG had the leaking tank removed from the facility. On July 14, 2011, Tetra Tech personnel inspected and sampled the spill area. One (1) auger hole (AH-1) was installed at the former tank location using a stainless steel hand auger to assess the impacted soils. The auger hole was advanced to a depth of 9.0' below surface. 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 sampling results are summarized in Table 1. The auger hole location is shown on Figure 3.

Referring to Table 1, all of the submitted samples were above the RRAL for TPH and BTEX. Elevated chloride concentrations were detected at the surface and declined with depth to 216 mg/kg at 6-6.5' below surface.

On July 27-28, 2011, Tetra Tech supervised the installation of three (3) boreholes (BH-1, BH-2, and BH-3) utilizing an air rotary drilling rig. Borehole (BH-1) was installed in the center for the former tank location and the remaining boreholes (BH-2 and BH-3) were installed to define horizontal extents. Samples were collected and field screened with an organic vapor meter (OVM) to total depths of 30' to 55' below surface. Samples were placed in laboratory provided containers and submitted for laboratory analysis. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix C. The sampling results are summarized in Table 1. The borehole locations are shown on Figure 4.

TETRA TECH

Referring to Table 1, the impacted soil in the area of BH-1 declined below TPH and BTEX RRAL at 20.0' and 25.0', respectively. The remaining auger holes (AH-2 and AH-3) did not show any concentrations above the RRAL, which indicates the soil impact is confined to the vicinity of BH-1.

Work Plan

To access the impacted soils, COG will remove the existing tank battery and rebuild the facility on the pad. Once removed, COG proposes to excavate impacted soils at AH-1 (BH-1) to a depth of 20.0' to 25.0' below surface.

Tetra Tech proposes to supervise the removal of impacted material as shown highlighted in green on attached Table 1. Once excavated to the appropriate depths, soil confirmation samples will be collected from the sidewalls and bottom hole to confirm the removal of the impacted soils. The excavated soil will be transported for proper disposal. Once completed, the site will be backfilled with clean material.

If deeper impact is encountered or the proposed excavation depths are not achieved, due to wall cave ins and safety concerns for onsite personnel, the soil will be excavated to the maximum extent practicable. As such, Tetra Tech will contact you to discuss the issues and proposed recommendations for the site.

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
Project Management

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

Tables

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

Sample ID	Sample Date	Sample Depth (ft)	OVM (ppm)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
				In-Situ	Removed	DRO	GRO	Total						
AH-1	7/14/2011	0-1'	-	X		346	2,060	2,406	**7.68**	2.48	4.49	70.6	**85**	9,750
	"	4-4.5	-	X		497	1,470	1,967	**6.97**	2.18	3.15	52.7	**65**	2,500
	"	6-6.5	-	X		439	2,150	2,589	**8.15**	0.72	6.08	80.0	**95**	216
	"	9-9.5	-	X		1,980	5,630	7,610	**34.5**	1.97	12.90	239	**288**	<200
BH-1	7/27/2011	0-1'	273	X		-	-	-	-	-	-	-	-	-
	"	3'	481	X		-	-	-	-	-	-	-	-	-
	"	5'	603	X		446	2,260	2,706	**28.2**	101	13.8	117	**260**	-
	"	7'	363	X		-	-	-	-	-	-	-	-	-
	"	10'	463	X		-	-	-	-	-	-	-	-	-
	"	15'	746	X		1,690	4,760	6,450	**33.0**	133	26.9	179	**372**	-
	"	20'	601	X		86.8	844	931	4.49	19.6	5.06	34.4	**64**	-
	"	25'	480	X		64.4	9.16	74	<0.020	0.170	0.135	0.481	0.79	-
	"	30'	197	X		-	-	-	-	-	-	-	-	-
	"	40'	301	X		<50.0	<2.00	<50.00	<0.020	<0.020	<0.020	<0.020	<0.020	-
	"	50'	7	X		<50.0	<2.00	<50.00	<0.020	<0.020	<0.020	<0.020	<0.020	-
	"	55'	36	X		<50.0	<2.00	<50.00	<0.020	<0.020	<0.020	<0.020	<0.020	

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

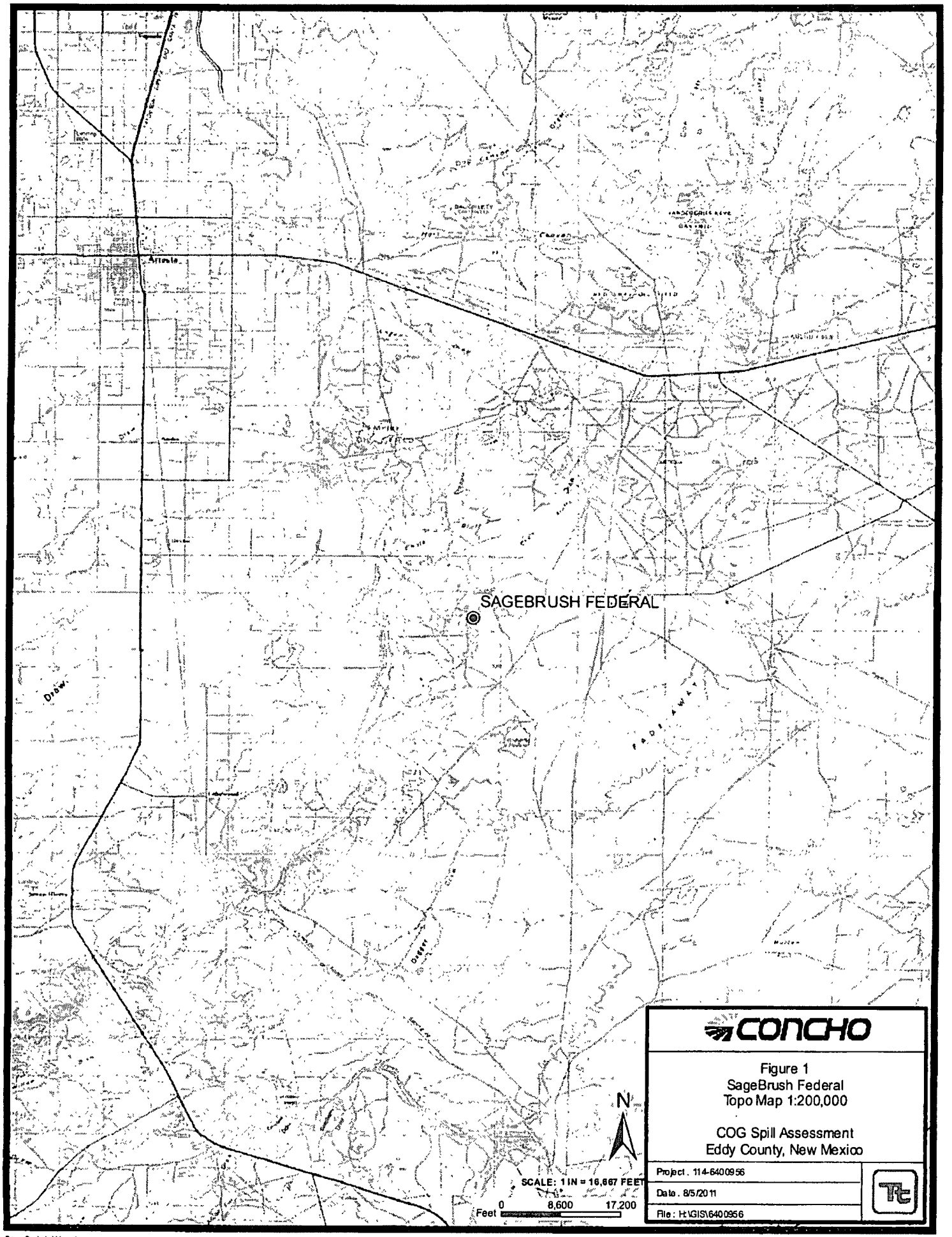
Sample ID	Sample Date	Sample Depth (ft)	OVM (ppm)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
				In-Situ	Removed	DRO	GRO	Total						
BH-2	7/28/2011	0-1'	47	X		<50.0	<2.00	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	-
	"	3'	24	X		-	-	-	-	-	-	-	-	-
	"	5'	18	X		-	-	-	-	-	-	-	-	-
	"	7'	26	X		<50.0	<2.00	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	-
	"	10'	14	X		-	-	-	-	-	-	-	-	-
	"	15'	9	X		-	-	-	-	-	-	-	-	-
	"	20'	18	X		-	-	-	-	-	-	-	-	-
	"	25'	23	X		-	-	-	-	-	-	-	-	-
	"	30'	6	X		<50.0	<2.00	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	-
BH-3	7/28/2011	0-1'	86	X		<50.0	<2.00	<50.0	0.276	0.480	<0.0200	0.633	1.39	-
	"	3'	434	X		-	-	-	-	-	-	-	-	-
	"	5'	140	X		-	-	-	-	-	-	-	-	-
	"	7'	156	X		<50.0	<2.00	<50.0	<0.020	0.150	<0.020	<0.020	0.150	-
	"	10'	170	X		-	-	-	-	-	-	-	-	-
	"	15'	296	X		-	-	-	-	-	-	-	-	-
	"	20'	664	X		129	146	275	1.65	4.04	0.738	5.36	11.79	-
	"	25'	-	X		-	-	-	-	-	-	-	-	-
	"	30'	38	X		<50.0	2.12	<50.0	<0.020	<0.020	<0.020	0.377	0.377	-
	"	40	26	X		-	-	-	-	-	-	-	-	-
	"	45	15	X		<50.0	<2.00	<50.0	<0.020	<0.020	<0.020	<0.020	<0.020	-

OVM Organic Vapor Meter

(--) Not Analyzed

Proposed Excavation Depths

Figures



CONCHO

Figure 1
SageBrush Federal
Topo Map 1:200,000

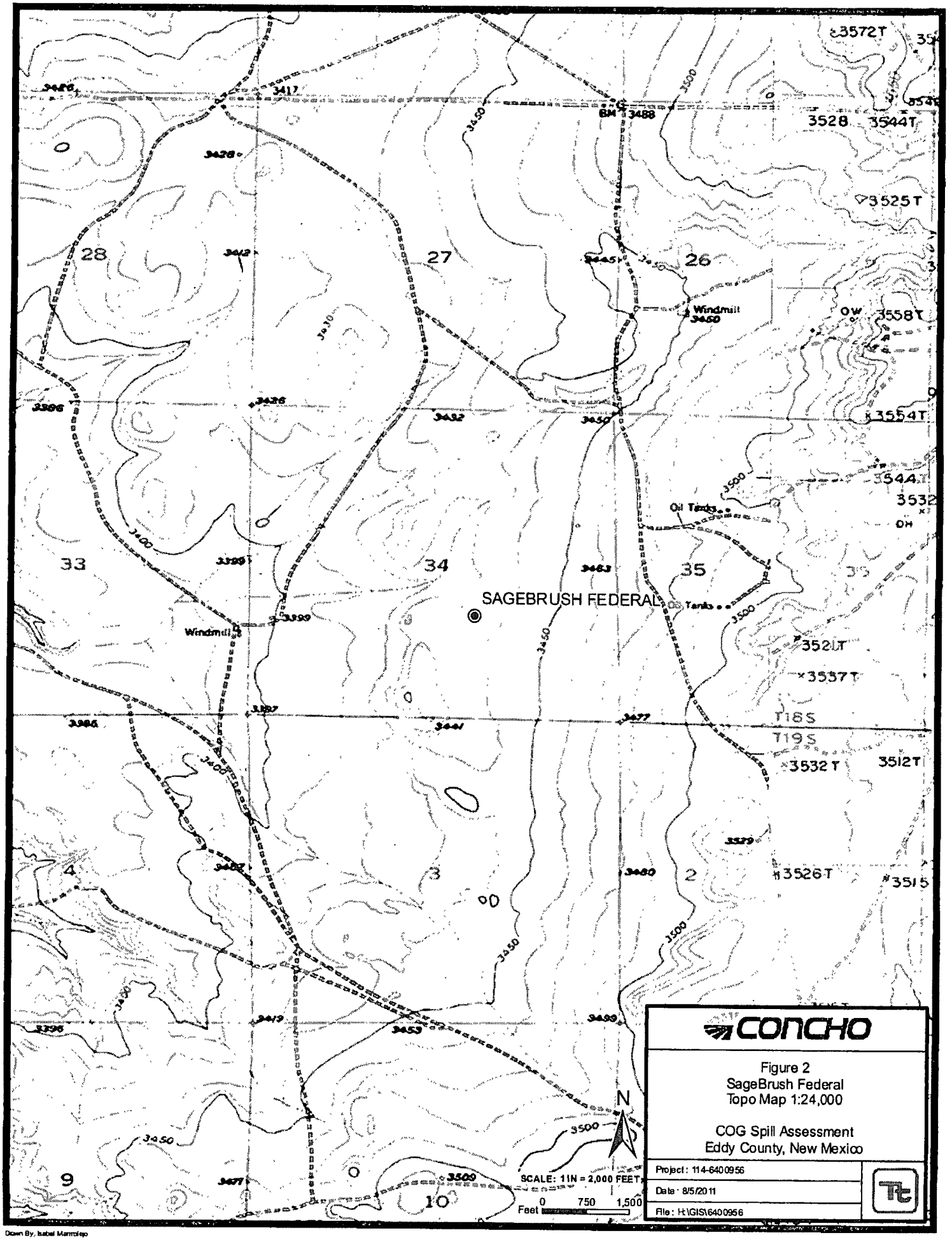
COG Spill Assessment
Eddy County, New Mexico

Project. 114-6400956

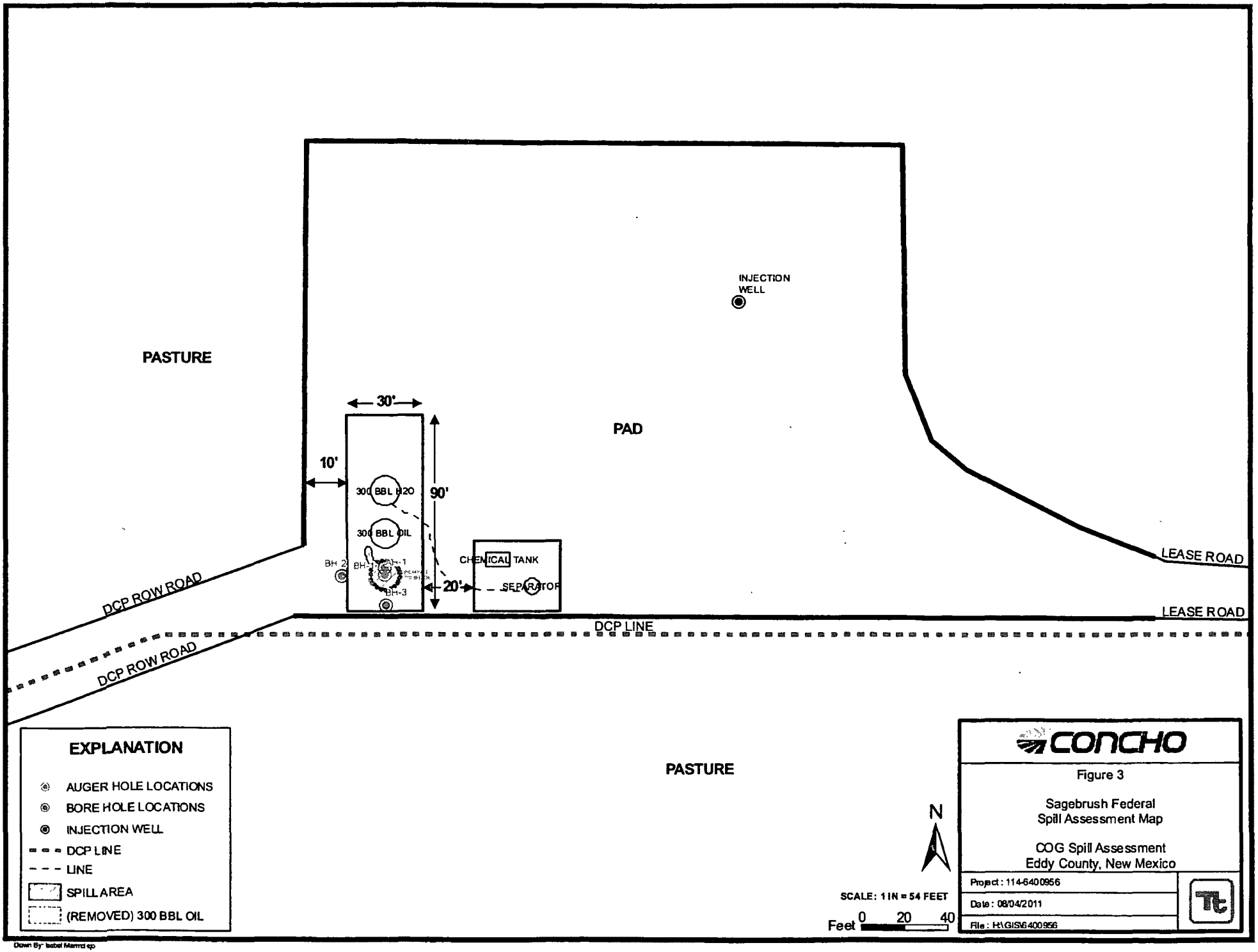
Date. 8/5/2011

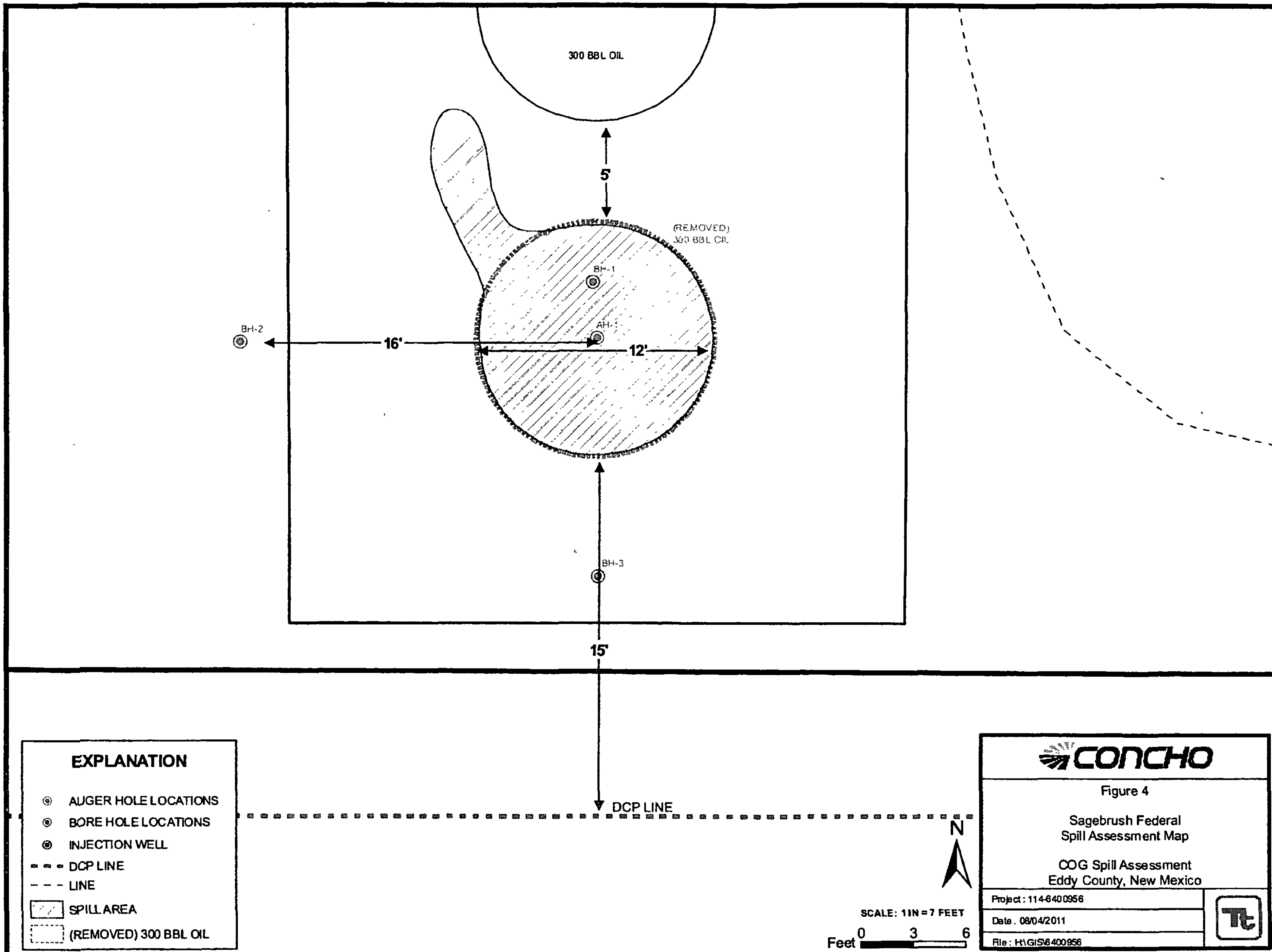
File: H:\GIS\6400956

Drawn By: Isabel Marrufeo



Drawn By: Isabel Marmolejo


PASTURE
INJECTION WELL
PAD
30'
10'
90'
20'
300 BBL H2O
300 BBL OIL
BH-1
BH-2
BH-3
CHEMICAL TANK
SEPARATOR
LEASE ROAD
DCP ROW ROAD
DCP LINE
LEASE ROAD
DCP ROW ROAD
PASTURE
EXPLANATION
AUGER HOLE LOCATIONS
BORE HOLE LOCATIONS
INJECTION WELL
DCP LINE
LINE
SPILL AREA
(REMOVED) 300 BBL OIL
N
SCALE: 1 IN = 54 FEET
Feet 0 20 40
CONCHO
Figure 3
Sagebrush Federal
Spill Assessment Map
COG Spill Assessment
Eddy County, New Mexico
Project : 114-6400956
Date : 08/04/2011
File : H:\GIS\6400956

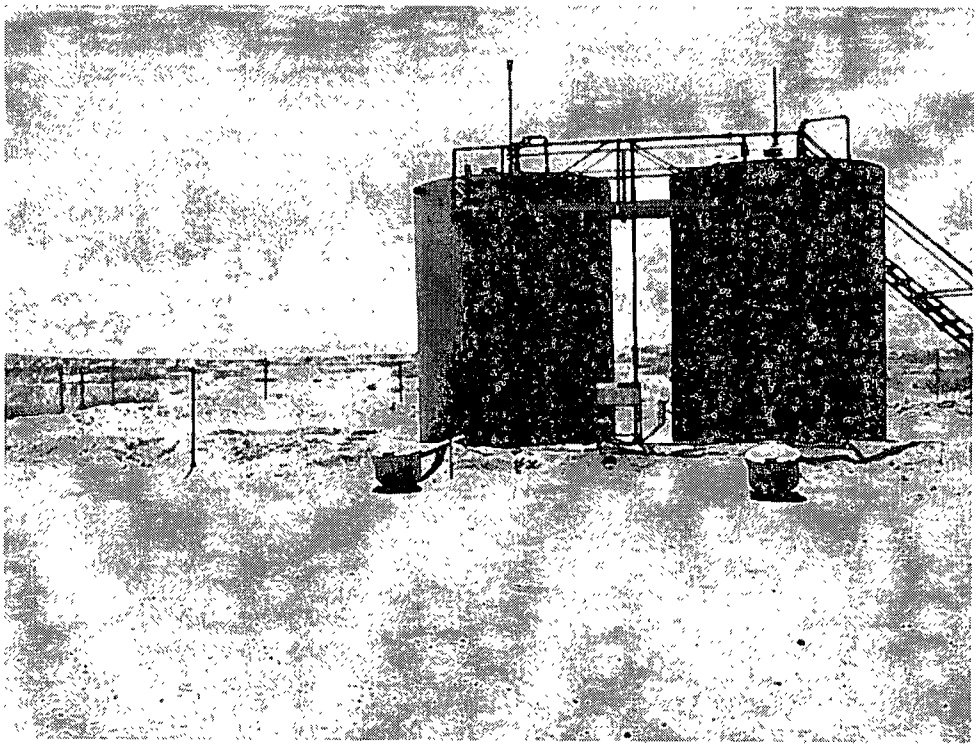


300 BBL OIL
5'
(REMOVED)
300 BBL OIL
BH-1
BH-2
AH-1
16'
12'
BH-3
15'
DCP LINE
N
EXPLANATION
AUGER HOLE LOCATIONS
BORE HOLE LOCATIONS
INJECTION WELL
DCP LINE
LINE
SPILL AREA
(REMOVED) 300 BBL OIL
SCALE: 1 IN = 7 FEET
Feet 0 3 6
CONCHO
Figure 4
Sagebrush Federal
Spill Assessment Map
COG Spill Assessment
Eddy County, New Mexico
Project: 114-6400956
Date. 08/04/2011
File: H:\GIS\6400956

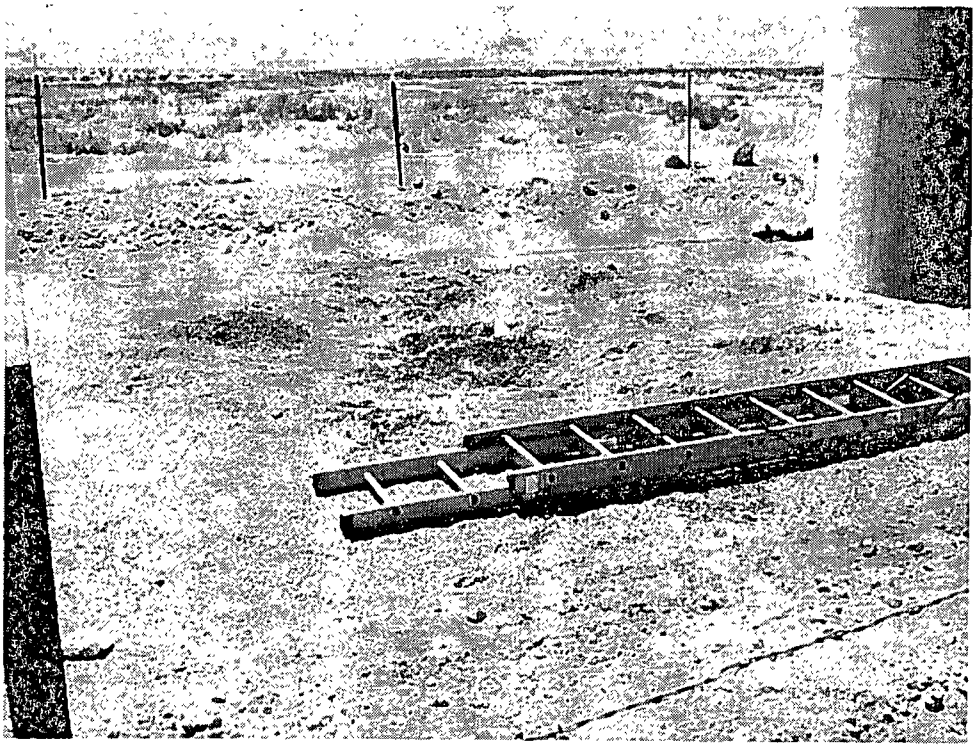
Photos

COG Operating LLC
Sagebrush Federal Tank Battery
Eddy County, New Mexico
Site Assessment: July 14, 2011

TETRA TECH



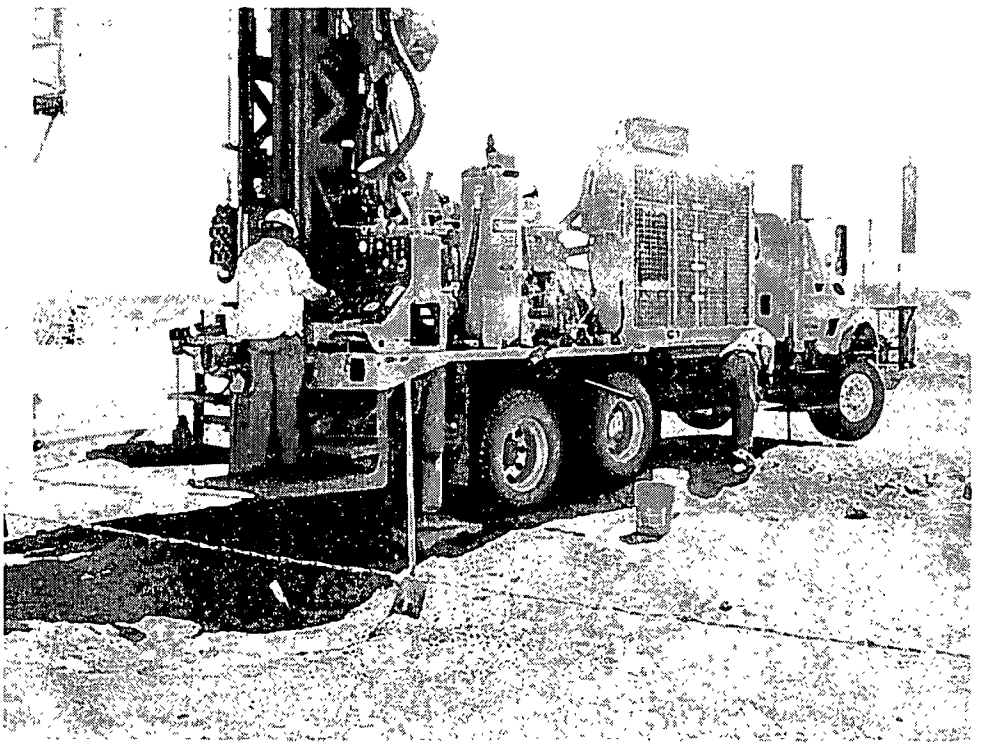
View of facility and removed south tank



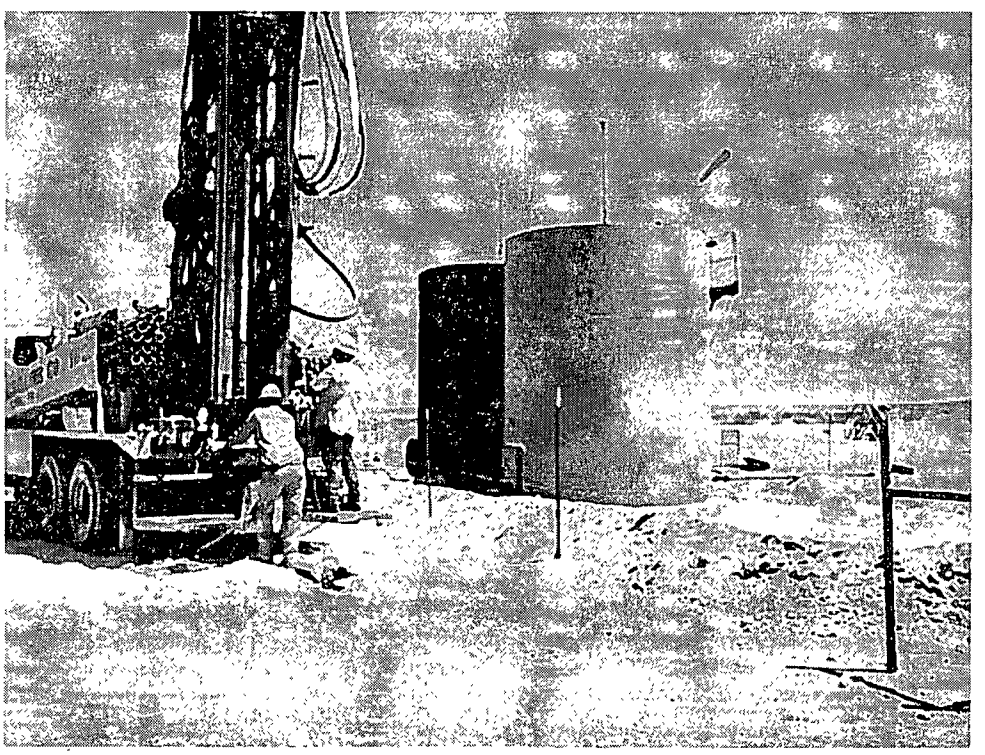
Area of removed south tank

COG Operating LLC
Sagebrush Federal Tank Battery
Eddy County, New Mexico
Soil Bore installation: July 27-28, 2011

TETRA TECH



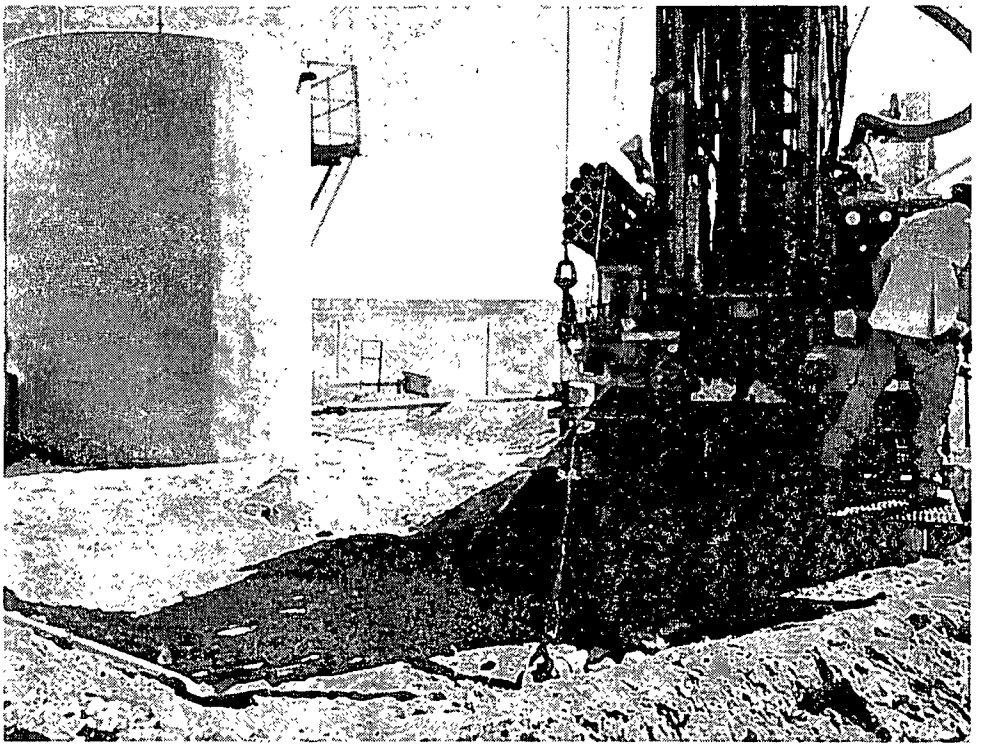
View of BH-1 installation



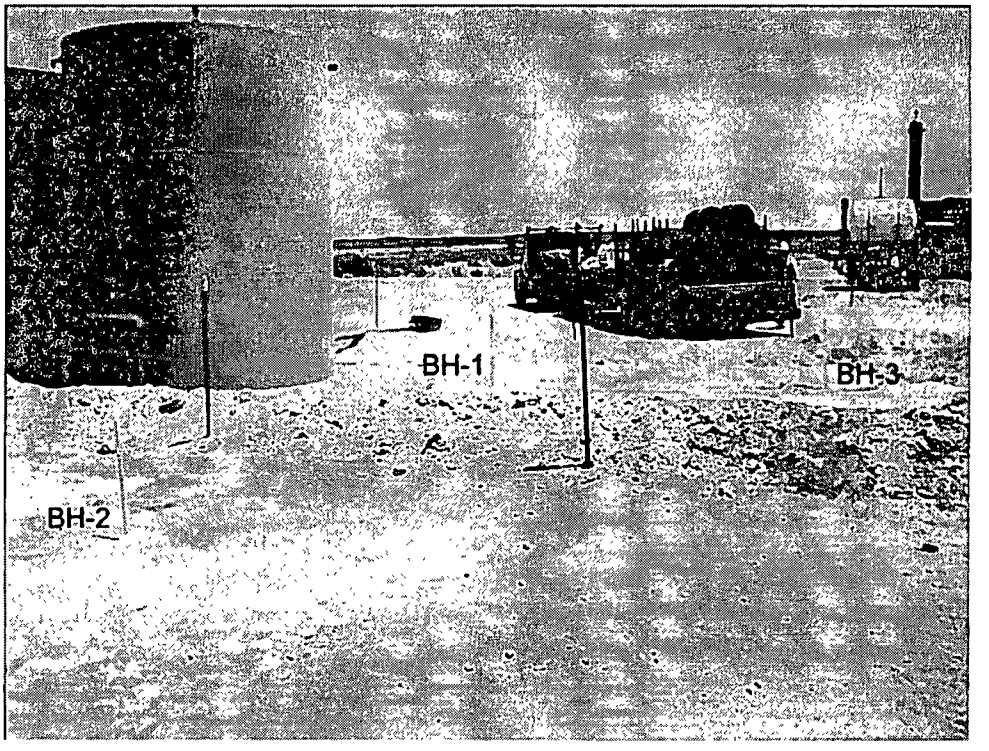
View of BH-2 installation

COG Operating LLC
Sagebrush Federal Tank Battery
Eddy County, New Mexico
Soil Bore installation: July 27-28, 2011

TETRA TECH



View of BH-3 installation



View of BH-1, BH-2, and BH-3 after drilling completed

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	Sagebrush Federal	Facility Type	Tank Battery

Surface Owner Federal	Mineral Owner	Lease No. (API#) 30-015-33910

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	18S	27E					Eddy

Latitude 32 42.105 **Longitude** 104 15.876

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 217bbls	Volume Recovered 0bbls
Source of Release Hole in bottom of tank	Date and Hour of Occurrence 07/11/2011	Date and Hour of Discovery 07/11/2011 6:00 p.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-OCD	
By Whom? Josh Russo	Date and Hour 07/13/2011 1:18 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.*

A hole developed in the bottom of the oil tank causing the release of condensate. The tank has been taken out of service and will be switched with a new tank.

Describe Area Affected and Cleanup Action Taken.*

Initially 217bbls of condensate were released from the oil tank and we were unable to recover any fluid with a vacuum truck. The release area is located directly where the tank was sitting inside the tank battery. 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 BLM/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: 07/25/2011 Phone: 432-212-2399	

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
COG - Sagebrush Federal
Eddy County, New Mexico

17 South 26 East

6	5	4	3	2	1
7	8 Artesia	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	16 194	15	14	13
19	20	21	22	23 40	24
30	29	28	27	26	25
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	20	21	22 79	23	24
30	29	28	27	26	25
31	32	33	34 63	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 92	27	26	25
31	32	33	34 SITE	35	36

18 South 28 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 65	36

19 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

19 South 27 East

6	5 20	4	3	2	1
7	8 50	9	10	11	12
18	17	16 18	15	14 82 107	13 60
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

19 South 28 East

6	5	4	3	2	1
7	8	9 246 265	10	11	12
18 91	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

New Mexico State Engineers Well Reports

USGS Well Reports

Geology and Groundwater Conditions in Southern Eddy, County, NM

SITE - Sagebrush Federal

Appendix C

Summary Report

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

Report Date: July 19, 2011

Work Order: 11071514

Project Location: Eddy Co., NM
Project Name: COG/Sagebrush Federal TB
Project Number: 114-6400956

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
272048	AH-1 0-1'	soil	2011-07-14	00:00	2011-07-15
272052	AH-1 4-4.5	soil	2011-07-14	00:00	2011-07-15
272054	AH-1 6-6.5	soil	2011-07-14	00:00	2011-07-15
272057	AH-1 9-9.5	soil	2011-07-14	00:00	2011-07-15

	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)
272048 - AH-1 0-1'	**7.68**	**2.48**	**4.49**	**70.6**	**346**	**2060**
272052 - AH-1 4-4.5	**6.97**	**2.18**	**3.15**	**52.7**	**497**	**1470**
272054 - AH-1 6-6.5	**8.15**	**0.716**	**6.08**	**80.0**	**439**	**2150**
272057 - AH-1 9-9.5	**34.5**	**1.97**	**12.9**	**236**	**1980**	**5630**

Sample: 272048 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**9750**	mg/Kg	4

Sample: 272052 - AH-1 4-4.5

Param	Flag	Result	Units	RL
Chloride		**2500**	mg/Kg	4

Sample: 272054 - AH-1 6-6.5

Param	Flag	Result	Units	RL
Chloride		216	mg/Kg	4

Sample: 272057 - AH-1 9-9.5

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: August 4, 2011

Work Order: 11072934

Project Location: Eddy Co., NM
Project Name: COG/Sagebrush Federal TB
Project Number: 114-6400956

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
273122	BH-1 5'	soil	2011-07-27	00:00	2011-07-29
273125	BH-1 15'	soil	2011-07-27	00:00	2011-07-29
273126	BH-1 20'	soil	2011-07-27	00:00	2011-07-29
273127	BH-1 25'	soil	2011-07-27	00:00	2011-07-29
273129	BH-1 40'	soil	2011-07-27	00:00	2011-07-29
273130	BH-1 50'	soil	2011-07-27	00:00	2011-07-29
273131	BH-1 55'	soil	2011-07-27	00:00	2011-07-29
273132	BH-2 0-1'	soil	2011-07-28	00:00	2011-07-29
273135	BH-2 7'	soil	2011-07-28	00:00	2011-07-29
273140	BH-2 30'	soil	2011-07-28	00:00	2011-07-29
273142	BH-3 3'	soil	2011-07-28	00:00	2011-07-29
273144	BH-3 7'	soil	2011-07-28	00:00	2011-07-29
273147	BH-3 20'	soil	2011-07-28	00:00	2011-07-29
273149	BH-3 30'	soil	2011-07-28	00:00	2011-07-29
273151	BH-3 45'	soil	2011-07-28	00:00	2011-07-29

	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)
273122 - BH-1 5'	**28.2**	**101**	**13.8**	**117**	**446**	**2260**
273125 - BH-1 15'	**33.0**	**133**	**26.9**	**179**	**1690**	**4760**
273126 - BH-1 20'	**4.49**	**19.6**	**5.06**	**34.4**	**86.8**	**844**
273127 - BH-1 25'	<0.0200	**0.170**	**0.135**	**0.481**	**64.4**	**9.16**
273129 - BH-1 40'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
273130 - BH-1 50'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
273131 - BH-1 55'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
273132 - BH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
273135 - BH-2 7'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
273140 - BH-2 30'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00

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Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
273142 - BH-3 3'	**0.276**	**0.480**	<0.0200	**0.633**	<50.0	<2.00
273144 - BH-3 7'	<0.0200	**0.150**	<0.0200	<0.0200	<50.0	<2.00
273147 - BH-3 20'	**1.65**	**4.04**	**0.738**	**5.36**	**129**	**146**
273149 - BH-3 30'	<0.0200	<0.0200	<0.0200	**0.377**	<50.0	**2.12**
273151 - BH-3 45'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00