Americo Energy Resources
East Shugart Unit #42
Work Plan
Eddy County, New Mexico

February 8, 2008

Prepared for:

Americo Energy Resources
7575 San Felipe, Ste 200
Houston, TX 77063

By:

Safety & Environmental Solutions, Inc.
703 E. Clinton Suite 102
Hobbs, New Mexico 88240
(575) 397-0510

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 14079..... Exhibit No. 2
Submitted by:
AMERICO ENERGY RESOURCES, LLC.
Hearing Date: February 21, 2008

TABLE OF CONTENTS

I. Company Contacts

NAME	Company	Telephone	E-mail
Oscar Nasrati	Americo Energy	713-984-9700	Oscar.nosrati@americoenergy.com
Brian Cuellar	SESI	505-390-7066	bcuellar@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Americo Energy Resources to perform cleanup services at the East Shugart Unit #42 spill site. This an injection well site, in which a relief valve malfunctioned, releasing 95 barrels of produced water and 5 barrels of oil. A vacuum truck was used to remove the standing fluids.

III. Surface and Ground Water

The closest groundwater of record is in the same Section Range and Township. The depth of water in this well was 261' in March of 1994.

V. Work Performed

On January 23, 2008, samples were retrieved in four areas of the spill utilizing a hand auger. Samples were taken from the surface and at the depths of 1', 2', 3', and 4'. Field analysis was performed on each sample to determine chloride concentrations. The results of the analysis were as follows:

Depth	AH #1	AH #2	AH #3	AH #4
Surface	<124 ppm	976 ppm	<124 ppm	<124 ppm
1'	<124 ppm	<124 ppm	<124 ppm	<124 ppm
2'		<124 ppm	372 ppm	236 ppm
3'		<124 ppm	836 ppm	1492 ppm
4'		<124 ppm		1832 ppm

On January 31, 2008, test trenches were installed to further delineate the site. Grab samples were retrieved from each test trench and field analysis was performed on each sample to determine chloride concentrations. The results of the analysis were as follows:

Depth	TT #1	TT #4
3'	<124	
5'		836 ppm
8'		1492 ppm

On February 6, 2008 a borehole was installed via auger rig to complete delineation of the site. Grab samples were retrieved from the borehole at intervals of 5', and field analysis was preformed on each sample to determine chloride concentrations. The results of the analysis were as follows:

Depth	BH#3
5'	
10'	3588 ppm
15'	124 ppm

20'	< 124 ppm

Confirmation samples were retrieved from the surface at Sample Point #1 and #2 and from Borehole #3 at the 15' depth. The samples were transported under Chain of Custody to Aragon Laboratories for the analysis. The samples were analyzed for Chlorides (EPA Method 300). The result of the analysis was as follows:

Sample ID	Cl^- ppm
#1 Surface	46
#2 Surface	42
BH#3 15'	84

V. Closure Plan

It is requested that the top 4' be excavated from the spill area. The most highly contaminated soils will be transported to an NMOC approved facility fro disposal. A like amount of clean soils from offsite will be blended with the remaining soils in order to bring the chloride concentrations to an acceptable level that will allow re-vegetation. The excavated area will then be lined with a 20-mil impervious liner and backfilled with the blended soils. The area will be contoured to natural grade and seeded.

VI. Figures & Appendices

Figure 1 – Vicinity Map
Figure 2 – Site Plan
Appendix A – Analytical Results
Appendix B – Site Photos

Figure 1
Vicinity Map

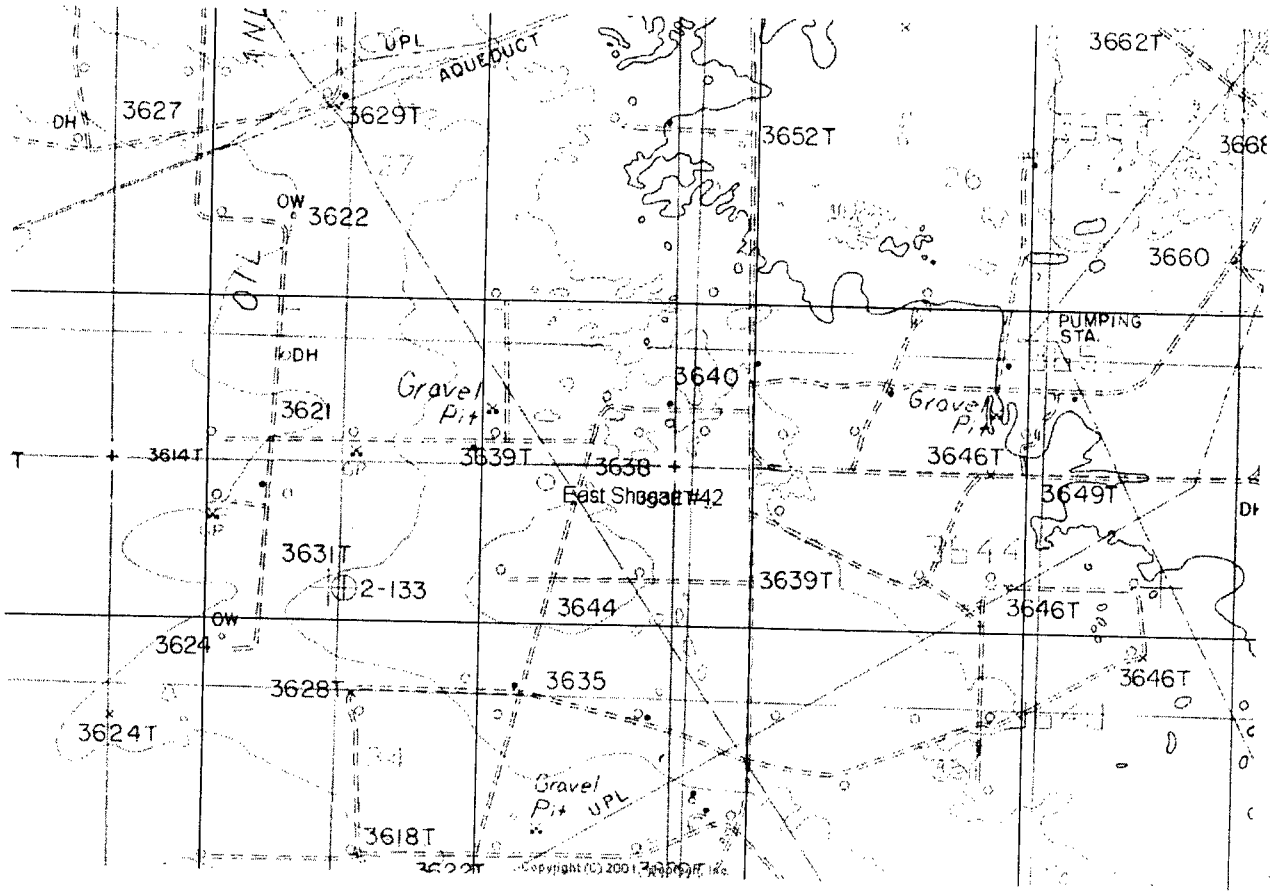
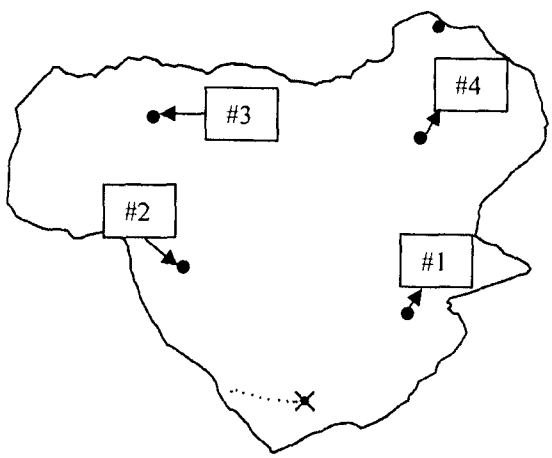

UPL
AQUEDUCT
3627
3629T
3662T
3652T
DH
OW
3622
3660
PUMPING STA.
DH
Gravel Pit
3640
3621
Gravel Pit
3614T
3639T
3638
3646T
East Shugart #42
3649T
3631T
2-133
3639T
3644
3646T
OW
3624
3628T
3635
3646T
3624T
Gravel Pit
UPL
3618T

Figure 2
Site Plan



Americo East Shugart #42

Lat/Long
WGS 1984

N

Scale 1:1,000
0 125.0
Feet

Site Plan.ssf
1/30/2008
GPS Pathfinder® Office
Trimble.

Appendix A
Analytical Results

Appendix B
Site Photos