Merit Energy Denton SWD #1 Work Plan NW ¼-NW ¼ of Section 13 Township 15S, Range 37E Lea County, New Mexico

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Prepared for:

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By:

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I. Company Contacts

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H. Background



Safety and Environmental Solutions, Inc. (SESI) was engaged to perform delineation and cleanup services a cement lined overflow pit at the Merit Energy "Denton-SWD #1" site. The site is located in the NW (UL-D) comer of Section 13 Township 15S Range 37E, Lea County, New Mexico (see Figure 1). The land is owned by Wr. Darr Angell.

The cement overflow pit has lost its integrity and has allowed hydrocarbon and chloride migration to the sub-strata and to soils extending laterally beyond the perimeter of the pit.

The overflow pit at this active tank battery site has been deactivated and is no longer in use. The vertical extent and nature of contamination was determined with the boring and sampling of three boreholes, which is reported in the Work Plan dated August 16, 2004. Ground water sampling was performed with the installation and sampling of a ground water monitoring well approximately 70-ft down-gradient from the overflow pit, which is reported in the Work Plan dated August 16, 2004.

III. Surface and Ground Water

The ground water monitoring well installed 70-ft SE of the overflow pit was completed to a depth of 70-ft bgs. After development of the well, the water level was measured to be 56.4-ft bgs.

IV Soils

The surface soils in the area are predominantly sand and sandy loam.

V. Work Performed

The pit area was excavated to an average depth of 5 feet. The existing excavation measures 135' X 95'. Approximately 2900 cubic yards of excavated soil were transported to Artesia Aeration for disposal.

VI. Closure Plan

- NO (NFO ATTACHED

SESI proposes to line the existing excavation with a 40-mil poly liner. The liner will be installed in a manner so that the bottom and sidewalls will be covered to encapsulate the backfill on all sides but the top.

After the liner installation the excavation will be backfilled with clean soil from off site. A berm will be constructed around the excavation to isolate the excavated pit area from the rest of the facility.

Since this battery continues to be active and contains other past and potential sources of contamination, any residual contamination left in place will be presumed to be unrelate to the pit and will be addressed by the operator of this lease at the time of abandonment.

WHAT DOLLS TESS MEANS? 1

NO - THERE HAS BOGN

NO DEFIDITIVE LINE OF DEVIALCONTION ESTABLISHED -NO MENTION OF DELINEATION NO MENTION OF DELINEATION

VII. Figures

Figure 1 - Vicinity Map Figure 2 - Site Plan Figure 1 Vicinity Map



Figure 2 Site Plan

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