

1RP-1513

I. **Company Contacts**

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II. **Background**

Safety and Environmental Solutions, Inc. (SESI) was engaged by Fasken Oil and Ranch, LTD. to perform cleanup services at the James O' Neil Tank Battery. The facility was affected by a tank overflow, which occurred on July 30, 2007. Approximately 43 barrels of produced oil was released, 35 barrels were recovered.

III. **Surface and Ground Water**

The closest groundwater of record listed with the New Mexico office of the state engineer is located in the same section, range and township. The depth of water in this well was 60' in 1956.

IV. **Soils**

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

V. **Work Performed**

On September 28, 2007 SESI installed 3 test trenches in the spill area. All of the trenches were installed to a depth of 18", where a caliche layer was encountered. During installation of the trenches historical staining was encountered at depths of 3" to 18". Samples were retrieved at the 18" depth in all trenches. All samples were properly preserved and transported under Chain of Custody to Argon Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Total Petroleum Hydrocarbons (EPA Method 8015). The results of the analysis were as follows:

Date	Sample ID	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)
9/28/07	1-1½'	900	670	1570
9/28/07	2-1½'	720	400	1120
9/28/07	3-1½'	95	120	215

VI. **Action Plan**

It is proposed that the highly saturated/contaminated soils will be excavated. The excavated soils will be transported to an NMOCD approved facility for disposal. The excavation will then be backfilled with clean soils from offsite and contoured to grade.

Upon completion a closure report will be submitted to the NMOCD.

