

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

October 15, 2004

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TO: Internal File
FROM:  Priscilla Burton
RE: Soils Information Dugout Degas Wells. Canyon Fuel Company, LLC, Dugout Mine, C/007/0039, Task #2040

SUMMARY:

Analytical information for topsoil salvaged from degas well sites G4, G5, and G6 was received on September 24, 2004 and will be included in Attachment 2-1 of the Degas Well Amendment Volume to the MRP.

The information establishes the baseline chemical characteristics of the topsoil. The soil parameters analyzed included pH, EC, Ca, Mg, Na, SAR calculation, TOC, P, NO₃-N, and water holding capacity. Texture and potassium were inadvertently omitted from the analysis, but the field report in Attachment 2-1 of the Dugout Well volume of the MRP describes the soil texture. These are rich soils (high nitrogen and phosphorus for the region), with a near neutral pH.

RECOMMENDATIONS:

Future analyses will include analysis of texture and potassium as per the 1988 Soils Guidelines.