

OILFIELD RESEARCH LABORATORIES

December 16, 1998

JAMES E. RUSSELL PETROLEUM, INC.

Nelson Lease, H-14

Clean-out sample below packer

The following is an analysis of the sample obtained on November 19, 1998. The analysis consisted of the laboratory's routine distillation-extraction process. In addition, an acid solubility test was performed on the dry solids that remained after the extraction process.

Microscopic examination of the dry solids revealed frac sand composing approximately 20%. No coal fragments were noted. The white oolites / nodules found in the RW-20 samples were present only in trace amounts in this H-14 sample. The bulk of the dry solids appear to be a dirt-rust build-up. Also observed were grayish-black "plates" of the dried, gelled polymer.

Dry Solids = 27.7%

Water = 67.7%

Hydrocarbons = 4.6%

Acid solubility of dry solids = 26.0%