



June 3, 1997

UMC PETROLEUM CORPORATION
410 17th Street, Suite 1400
Denver, CO 80203

Attn: JOHN McRAE

RE: SHUGART FEDERAL "22" #1
Rotary Sidewall Core Analysis

Mr. McRAE ;

The core analysis data from the above referenced well is enclosed in the following pages.
All quality control data is enclosed in a separate section of the report. The data, results,
and photographic negatives will be maintained in our files for your future reference.
If you have any questions regarding our results or procedures, please do not hesitate
to contact us. We appreciate the opportunity to analyze the core from the above referenced
well and look forward to working with you again in the future.

Distribution: UMC PETROLEUM CORPORATION
410 17th Street, Suite 1400
Denver, CO 80203
Attn: JOHN McRAE
3 Copies of the report (1 with photographs)

Sincerely,

Wayne Helms, President
Rotary Laboratories, Inc.