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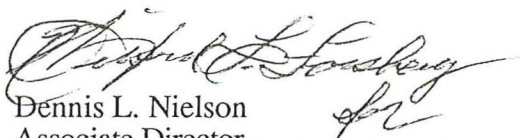
June 11, 1990

Dr. Anthony W. Gorody
Senior Scientist
Basic Research
Gas Research Institute
8600 West Bryn Mawr Avenue
Chicago, IL 60631Subject: Contract No. 5089-260-1855
Monthly Technical Report

Dear Tony:

Enclosed are four copies of the Monthly Technical Report for the month of June 1990.

Sincerely,


Dennis L. Nielson
Associate Director

Enclosure

cc: M. L. Allison
J. B. Hulen
W. L. Forsberg
D. A. Petty
P. M. Wright

encls:

DEFINITION OF STRATIGRAPHIC HETEROGENEITY USING DIPMETER LOGS

Monthly Report
May 1, 1990 through May 31, 1990

Prepared By:

THE UNIVERSITY OF UTAH RESEARCH INSTITUTE

Dennis L. Nielson
M. Lee Allison
Susan Juch Lutz
Wilford Forsberg

For

GAS RESEARCH INSTITUTE

Contract No. 5089-260-1855

GRI Project Manager
A. W. Gorody

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GRI April Monthly Report

2.0 Work Planned for the Month

Work planned for the month of May included a presentation on the project at a workshop hosted by the Texas Bureau of Economic Geology in Austin. In addition A. W. Gorody visited UURI for a review of the project. Work also was planned on data analysis and formulation of rules for Strat-SCAT.

3.0 Work Completed During April

A progress report on this project was presented at a workshop hosted by the Texas Bureau of Economic Geology in Austin. This meeting was the first opportunity UURI has had to show results of the project. It also provided an opportunity to meet the BEG participants in the Ferron study.

Data analysis continued with application of other statistical models to data collected on the outcrop. Application of Fisher's Distribution and calculation of eigenvalues are useful as means for quantifying the data and performing statistical tests. These calculations will be routinely done on the data from now on.

A. W. Gorody visited UURI in mid-May and met with the project team. During his visit, we discussed the technical aspects of the work, the agenda for our industry workshop, and the progress on securing company contributions to allow the continuation of this research.

Our industry workshop has been re-scheduled for 19 July in Salt Lake City. This workshop will focus on the initial results of our research and the plan for continued outcrop measurements, coring, logging and interpretation.

UURI had previously arranged for a booth at the American Association of Petroleum Geologists meeting in San Francisco. In order to stimulate additional industry interest in this project, it was decided that the booth would display technical results from the project, and that a brochure would be available outlining the scope of the effort.

4.0 Allied Investigations

UURI reached agreement with Atlas-Wireline on the research license for the WDS software. The hardware for the system was ordered and should soon be available for work on this project. The software does contain a SCAT package which can be used to analyze our outcrop data as well as geophysical well logs.

5.0 Problems Encountered

None.

6.0 Work Planned For Next Month

Next month's effort will concentrate on preparation for our industry workshop and obtaining matching funding to allow this work to continue. We will also be compiling rules for Strat-SCAT based on our outcrop data and on the previous log interpretation experience of C. A. Bengston.

University of Utah Research Institute

Accumulative Cost Control Graph

