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October 10, 1990

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

Dear Tony:

Enclosed are four copies of the Monthly Technical Report for the month of September 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
September 1, 1990 through September 30, 1990

Prepared By:

THE UNIVERSITY OF UTAH RESEARCH INSTITUTE

Dennis L. Nielson

For

GAS RESEARCH INSTITUTE

Contract No. 5089-260-1855

GRI Project Manager
A. W. Gorody

1.0 GRI DISCLAIMER

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2.0 Work Planned for the Month

We planned to complete the Phase I milestone report during the month. In addition field work was to be initiated on the second phase of the project. We also planned a meeting with Noel Tyler of BEG to tie together the results of UURI and BEG work for our Phase I report.

3.0 Work Completed During September

The Phase I report was not completed during August as was planned. This is due to the discussions with BEG that were not held until October 2 as well as some additional data plotting and interpretation that were suggested in our industry workshop.

Paul Anderson and Dennis Nielson spent four days in the field doing additional measurements on the Ferron Sandstone. A composite section was completed from the bottom of the #1 marine sand to the top of the #5 marine sand in the Muddy Creek area. Thus, we now have at least one profile through each of the units we expect to encounter in the drilling in the Muddy Creek area. The distributary channels that cut the #5 marine sand have a complex distribution and show a variety of bedding orientations. Since this is such an important unit in the BEG study, we are planning to document bedding orientations as a function of position within this unit when we return to the field.

While in the field, we met Mark Barton and discussed his work. Noel Tyler, Edgar Guevara, and Steve Fisher visited UURI on October 2 for discussions of our respective results and plans for the future.

We continue to work with the Utah Energy Office on their efforts to provide the drilling of the two wells as an in-kind contribution. This process is taking a lot longer than any of us expected.

A cost control graph is not included in this month's report. UURI and the University accounting offices are occupied with year-end closing. A cost control graph will be provided when it is available.

4.0 Allied Investigations

A number of discussions concerning the Ferron have been held with Roger Fry of Utah Power and Light, field trip chairman for the 1991 Utah Geological Association field trip, and Paul Anderson who will be the 1991 president of UGA. With the level of participation committed by UURI, BEG, and Tom Ryer, they are considering placing more emphasis on the Ferron. GRI's projects should receive a great deal of attention at this conference.

5.0 Problems Encountered

None

6.0 Work Planned for Next Month

We hope to be able to do more field work in the Ferron next month. In addition, we expect to finalize the Phase I report, and we will be preparing for the GRI contractor's meeting in November.