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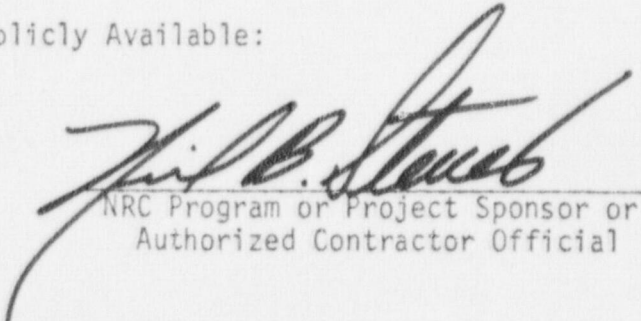
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October 26, 1977

KENTUCKY GEOLOGICAL SURVEY  
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Director, Division of Contracts  
United States Nuclear Regulatory Commission  
Washington, D. C. 20555

Re: Contract No. AT(49-24)-0321  
Quarterly Report July- Sept., 1977

Dear Sir:

During the first quarter of the continuing study of the "Paleozoic Geology of the New Madrid Area" a total of 36 hours of work were accomplished. Due to contract delay work was started in August of 1977.

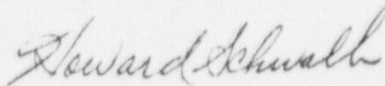
Additional well data were gathered and a sketch map was prepared of the subcrop of Paleozoic formations beneath the Tertiary and Cretaceous cover of the Embayment region.

I attended a meeting of the New Madrid study group at Lafayette, Indiana held during the American Geophysical Union regional meeting. A short paper entitled "Geology of the Reelfoot Basin" was presented by me at this meeting.

Preparation of geologic cross sections of the region is in progress and should be completed in the near future.

Age determinations of igneous samples will be forthcoming as soon as an agreement can be drawn between the Univ. of Pittsburgh and the Univ. of Kentucky in order that Mr. Edward Lidiak can work on the material gathered.

Very truly yours,



Howard Schwalb

HS:jgs

NRC Research and Technical  
Assistance Report