

# J. M. HUBER CORPORATION

OIL AND GAS DIVISION

SUITE 232

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MID-CONTINENT DISTRICT OFFICE

April 25, 1991

(806) 353-9837

Kansas Geological Survey  
1930 S. Constant Ave.  
Lawrence, KS 66047

Attn: Lynn Watney

Dear Lynn:

I have enclosed your set of thin sections from cores you sent to me several months ago from the KGS repository. There are 12 thin sections from 20' at Mississippian "chat" in the Anadarko 1-A Royce, Section 16-25S-9W, Reno County, Kansas. All thin sections are impregnated with blue epoxy. They also have enough porosity that it is not hard to see a blue haze over the entire thin section even from the back of the room! And, even though no calcite was anticipated, all thin sections were stained with Alizarin Red S, which confirmed the absence of calcite.

Most of the porosity appears as very small molds of (probably) sponge spicules. Occasional vuggy porosity not only adds to the porosity total but also serves to interconnect these otherwise isolated molds. This particular well produced 160 MCF, 6 BO, and 10 BWPD in 5/78. Cumulative production of most wells in this area is generally low and is achieved slowly over long periods of time, probably due to low permeability from the micromoldic porosity. Porosity is also patchy, often being enhanced along stylolites and fractures. I would appreciate any observations you make when you look at these thin sections.

Thanks again for your cooperation and support, let me know if I can ever do anything for you. The cores are being shipped back via Beaver Express and should arrive the same time as this letter. Thanks again Lynn.

Sincerely,

J. M. HUBER CORPORATION



Art Brewster  
Senior Geologist

AB/kd  
Enclosures