

**F. W. MORGAN**  
GEOLOGIST

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Oct. 4, 1979

Watson Petroleum, Inc.  
403 N. Hillcrest  
Wichita, Kansas

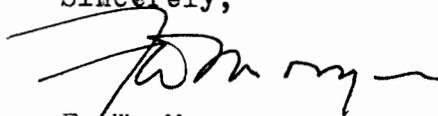
Re: Your No. 1 Williamson  
Sec. 36-34S-5E  
Cowley County, Kansas

Gentlemen:

Enclosed is my geological log on this well. Plotted on the log are drilling time, sample descriptions, formation tops, datums, zones of porosity, and shows of oil and gas. The well ran 7 feet higher than No. 1 Baird on the Iatan. By the time the Mississippian had been reached thinning on all formations had been so much that it was 62 feet higher on the porosity. Other wells in the Higby Pool are higher than the No. 1 Baird, but this is the highest well.

We found the porosity in the Mississippian at 3210 feet. There was a total of about 8 feet before we went into the Mississippian Limestone. None of the other wells was drilled through the porosity, but it is safe to assume they were a little thicker from the penetration in them. The zone looked tighter in samples with somewhat less odor and free oil. On the electric log, however, the porosity came to 25% which is considered to be high enough for production. The structural position of the well seems to rule out water production. For the reasons given it was decided to run casing to test the Mississippian.

Sincerely,



F. W. Morgan

