F.W. MORGAN
GEOLOGIST

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Sept. 24, 1976

Watson Petroleum, Inc.
403 Hillcrest
Wichita, Kansas

Re: Your No. 1 Miller
Sec. 26-32S-5E
Cowley County, Kansas

Gentlemen:

Enclosed is my geological log on the Miller well. Included on the log are sample descriptions, formation tops, shows of oil, and drill stem test interval and results.

The first zone examined was the shallow gas sand. This well ran considerably higher than others to the west, and the sand had some gas. However, since it took 20 minutes for gas to surface and gauged only 8,00 CF, it is believed that while the well would be sufficient for running the engines on a producing lease it would not be large enough for sale to a pipeline.

Second zone was the Cattleman Sand which had a show of oil in the samples but appeared to be too thin and tight for production. The electric log confirmed this evaluation.

The third zone was the Mississippian. While it ran somewhat lower than production to the east it was not too low according to other wells in the area. The samples appeared to have little porosity and permeability where shows of oil were found. It did not drill like a very porous zone. The drill stem test confirmed this opinion since it recovered no formation fluid. Additional confirmation was added by the electric log which showed porosity too low for production.

In conclusion I should say that this well is dry due to a lack of adequate reservoirs and not because of structural position.

Sincerely,

F. W. Morgan

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