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GEOLOGIST

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ELDORADO (316) 321-1463

Watson Petroleum, Inc.  
403 Hillcrest  
Wichita, Kansas, 67208

Re: No. 2 Williamson "C"  
Sec. 25-34S-5E  
Cowley County, Ks.

Gentlemen:

Enclosed is my geological log on this well. It ran generally lower than the closest well, your No. 1 Williamson "C". The Mississippian was 16 feet lower. Shows of oil were found only in the Mississippian Chert reservoir and the Cattleman Sand.

Porosity was found from 3122' to 3126' in the Mississippian with good pinpoint porosity, excellent shows of oil and gas, odor, fluorescence, and light brown staining. Another zone was found just below this one from 3130' to 3134'. However, the porosity, oil shows, staining, etc. were much poorer though of the same type. Unless the log shows something much different I would recommend a completion attempt in the upper zone only.

The Cattleman Sand was 7' lower than your No. 1 "C" well (closest) and very similar in appearance. From 2918' to 2927' the sand was very fine grained, tight, silty with no apparent porosity or oil show. The sand from 2930' to 2934' was coarser, cleaner, with fair porosity and oil and gas show. From about 2934' to base at 2943' the sand was very similar, maybe a little finer with less apparent porosity and no show of oil or gas. Thus far we have not been able to explain the lack of shows in either upper or lower part of the sand or the thinness of the oil bearing zone.

If you attempt to complete in the Mississippian the Cattleman should be tested in at least one well on the lease.

Sincerely,

  
F. W. Morgan

