

**F. W. MORGAN**  
GEOLOGIST

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Nov. 8, 1979

Watson Petroleum, Inc.  
403 Hillcrest  
Wichita, Kansas

Re: Your No. 2 Jochem  
Sec. 12-35S-1E  
Sumner County, Kansas

Gentlemen:

Enclosed is my geological log on the Jochem No. 2. On the log is all pertinent geologic data derived from the drilling and logging of this well. The electric log measurements are 7 feet deeper than drillers' depth at TD. Therefore, log tops are 7 to 8 feet deeper and lower than those picked from the samples and drilling time.

The Mississippian had the only oil and gas show judged worthy of completion in this well. It is much higher than any of the producing wells in the Bitter Creek Pool to the west. Nearest Mississippian datum is a diagonal offset to the Northeast (Alpine No. 1 Goff) which was completed as a dry hole. If we use sample tops this well is 11 feet higher than the Goff and 3 feet higher by log top. Furthermore, I have examined the Goff samples. The show of oil here is better, more staining, and better pinpoint porosity. Of course, the Goff samples were dry and old. Porosity appears to be 18-20% by log. Much of it is fracture type, and this cannot be judged in samples.

Since this is a high well with fair porosity and good shows compared to nearby wells casing will be run to test the Mississippian formation open hole.

Sincerely,

F. W. Morgan

