

F. W. MORGAN
GEOLOGIST

WICHITA OFFICE 685 - 6361

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COYVILLE OFFICE 692 - 5471

June 12, 1978

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

Re; Your No. 1 Jochems
Sec. 12-35S-1E
Sumner County, Kansas

Gentlemen:

Enclosed is my geological log. On the log I have drafted detailed geological information, especially relating to the three reservoirs expected to be found in this well. These are, from top to bottom the Stalnaker, Layton, and Mississippian. All produce in the Bitter Creek Pool.

We ran about flat with production on the Iatan marker just above the Stalnaker Sand. However, the upperpart of the sand where the oil is found was missing in this well. It had been replaced by shale and sandy shale.

We found the Layton Sand flat with your No. 1 Warren. The samples, core analysis, and electric log all indicate that it will be productive. The depth to be perforated (subject to casing log correlation) is 2,851 to 1,856.

The Mississippian ran slightly lower than the west offset, but still high enough to produce. Unfortunately we found that there was no porosity until we had drilled too far to find any oil. The porosity was too low to be productive, and carried no oil shows.

Casing was run and cemented to complete in the Layton.

Sincerely,



F. W. Morgan