

F. W. MORGAN
GEOLOGIST

WICHITA OFFICE 685 - 6361

1721 PARKWOOD LANE WICHITA, KANSAS 67218
Aug. 30, 1977

COYVILLE OFFICE 692 - 5473

Watson Petroleum, Inc.
503 Hillcrest
Wichita, Kansas

Re: Your No. 2 Standiford
Sec. 35-32S-5E
Cowley County, Kansas

Gentlemen:

Enclosed is my geological log on the Standiford well. On the log are plotted drilling time, formation tops, datums, lithology, porous zones, and oil and gas shows.

The well ran about 2 feet higher on reliable markers than the No. 1. The Mississippian was 6 feet higher. The first show of oil was in the Layton "A" sand which was cored. Study of samples, core, analysis of core and electric log have condemned this zone. It was tighter than No. 1, and the first two or three feet were missing.

The other shows were in the Mississippian. The chert zone thickened from 10 feet in No. 1 to 26 feet total. Of this I logged 17 feet as having porosity and shows. The electric log showed 14 feet or a little more. The upper 6 feet appeared to be oil bearing and had porosities of 15% to 18%. Another 6 feet had similar oil bearing potential but porosities of 7%, 11%, and 3.5% which are probably too low. Although the well had a better developed chert section than No. 1, it had no porous dolomite, and appeared to be a borderline case. We chose, therefore, to temporarily cap it and wait for development of 2 wells to the south in the next 3 or 4 weeks. If it then appears we have a well it can easily be completed.

Sincerely,


F. W. Morgan