F. W. MORGAN

Geologist

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June 11, 1976

Watson Petroleum, Inc.
403 Hillcrest
Wichita, Kansas

Re: Your No. 1 Standiford
CNWNW Sec. 35-32S-5E
Cowley County, Kansas

Gentlemen:

Included with this letter is my geological log on the No. 1 Standiford. On the log are formation tops, lithology details, drilling time plotted to scale, drill stem test and core intervals and results.

In this well there were shows of oil in two intervals. The lower one, Mississippian, was drill stem tested in the upper part though drill stem testing the Mississippian in this area has not been successful in other wells. Neither was this one. The zone tested was impermeable. We found another zone, a dolomitic one, deeper in the Mississippian but decided to log it and evaluate on the log. Though it did carry oil shows it was decided to pass it up due to the structural position. Mississippian production in the area, to my knowledge, has all come from chert zones and not dolomite.

The most prospective zone in the well is the Layton "A". We drilled 5 feet having good porosity, odor, free oil. We then cored and after recovering a thin shale interval found another 4½ feet carrying good shows of oil. The porosity did not appear to be as good in the lower part as above the shale. The upper 5 feet of the sand appears on the log, in samples, etc., to be productive.

In view of structural position, better Layton show, and difficulty of cementing both zones it was decided to case and test the Layton Sand only.

Sincerely,

F. W. Morgan