

F. W. MORGAN

Geologist

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March 9, 1974

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

Re: No. 2 Hunting Preserve
Sec. 4-33S-2E
Sumner County, Kansas

Gentlemen:

Submitted herewith is my geological log of the above listed well. On the log are drilling time plotted to scale, lithology, formation tops, porosity, oil shows, and drill stem results. Below are given my evaluation of prospective pays.

The Layton "A" Sand had 14% porosity, but this was some 6 to 18 feet below the top. Where we should get oil (at the top) there was tight sand with no show. It is not prospective.

The Layton "B" sand had about 18 $\frac{1}{2}$ % porosity throughout and appeared to carry water on the log. My recommendation is that when you are ready to produce this sand perforate only the very top part, and it should be productive.

The Simpson Sands were very tight and had no permeability, though they did show better development than No. 1 well and did have oil shows. They are not prospective.

The Arbuckle zone we tested had 13-14% porosity but was low on permeability. It should make some oil according to the test. A zone on the log from 3395-98 looks better, and should be perforated and tested.

Sincerely,


F. W. Morgan