F. W. MORGAN

Geologist

RES. PHONE 744-2261 ROOM 261 – 7701 E. KELLOGG WICHITA, KANSAS 67207 OFFICE 685-6361

Feb. 6, 1974

Premier Petroleum, Inc.
403 Hillcrest
Wichita, Kansas

Re: Your No. 1 Pray
Sec. 31-27s - 3e
Butler County, Kansas

Gentlemen:

Submitted here with are my geological log on the Pray well. The log includes drilling time plotted to scale, sample descriptions, formation tops and datums, and porosity with oil shows as well as drill stem test intervals.

We found two prospective producing zones, the Simpson Sand and Stalnaker Sand. The Simpson appeared to be very tight and not permeable according to all information. This was confirmed by the drill stem test and electric log. Porosities calculated 6% to 7% and water saturations from 74% to 100% in the zones calculated. In my opinion this is not a commercial show of oil, and no attempt should be made at completion in the Simpson.

From the information available in samples, drilling time, and drill stem test the Stalnaker Sand is a dry gas zone. No. shows of oil were seen. The electric log confirms this opinion and indicates that there was some mud invasion of this porous and permeable sand which will need to be cleaned out. I recommend that you run casing and complete this well as a Stalnaker gas well.

Sincerely,

F. W. Morgan