F.W. MORGAN
GEOLOGIST

WICHITA OFFICE 685 - 6361 | 1721 PARKWOOD LANE WICHITA, KANSAS 67218 | FREDONIA OFFICE 378 - 3056

Dec. 6, 1976

Watson Petroleum, Inc.
403 Hillcrest
Wichita, Kansas

Re: No. 1 Green
Sec. 19-33S-6E
Cowley County, Kans.

Gentlemen:

Enclosed is my geological log on the Green well. On the log are drilling time, log and sample tops, lithology, drill stem test data, porous zones, and oil shows.

There were two shows of oil and gas found. The upper was in a sand (Dodd's Creek) in the Kansas City. I logged it from 2484 to 2502 feet. Adrill stem test gave up 300' of gas, 5' of free oil, and 45 feet of oil cut mud. Pressures were between 250# and 282#, but the zone was very tight and had only begun to curve away from vertical build-up. My interpretation of the sand was that it was a fine, micaceous, tight sandstone with a very good show of oil, odor, and fluorescense. It also appeared to have shale laminations. The log confirmed the shale layers and gave higher waters due to the shale and averaging affect. My opinion is that this sand is prospective of small production.

The second zone with shows was the Mississippian. I found the "Chat" zone from 3173 to 3182. It consisted of chert, white, weathered, with pinhole porosity which in most cases was saturated with oil and gas. There was an even brown stain in dry samples. At least 70% of the porosity was stained, and some was probably impermeable and not stained. The log agreed with this interpretation in general, and casing was run to test this aone and the one above.

Structurally the well was well situated with reverse dip to both east and north as well.

Sincerely,

F. W. MMorgan