

F. W. MORGAN

Geologist

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Watson Petroleum, Inc.
403 Hillcrest
Wichita, Kansas

Re: Your No. 1 Gardiner "A"
Sec. 4-338-24
Sumner County, Kansas

Gentlemen:

Enclosed is my geological log on the No. 1 Gardiner "A" well. On the log are plotted drilling time to scale, formation tops and datums, lithology details, zones of porosity, and oil shows.

This well started off about 30 feet low to the No. 1 Gardiner just to the southwest. This was on the Iatan, our first subsurface market. By the time the Kansas City was reached it was almost 100 feet low. Additional thickening was detected in the Kansas City. All formations below the total depth would undoubtedly have been lower still on structure. The well was drilled in a trough on the downthrown side of the fault that runs through the lease.

In addition to being low, the well was plagued with lost circulation problems. It was first lost just below the Stalnaker Sand and recurred several times all the way to total depth. Full circulation was never regained, and some mud went into the Stalnaker at all times. This made samples poor. In view of this expensive problem and structural position it was decided to plug the well at the Base of the Kansas City. There were slight shows of oil in both Iatan Sands, but they were not commercial, and the electric log confirmed that the sands were water bearing.

Sincerely,

F. W. Morgan