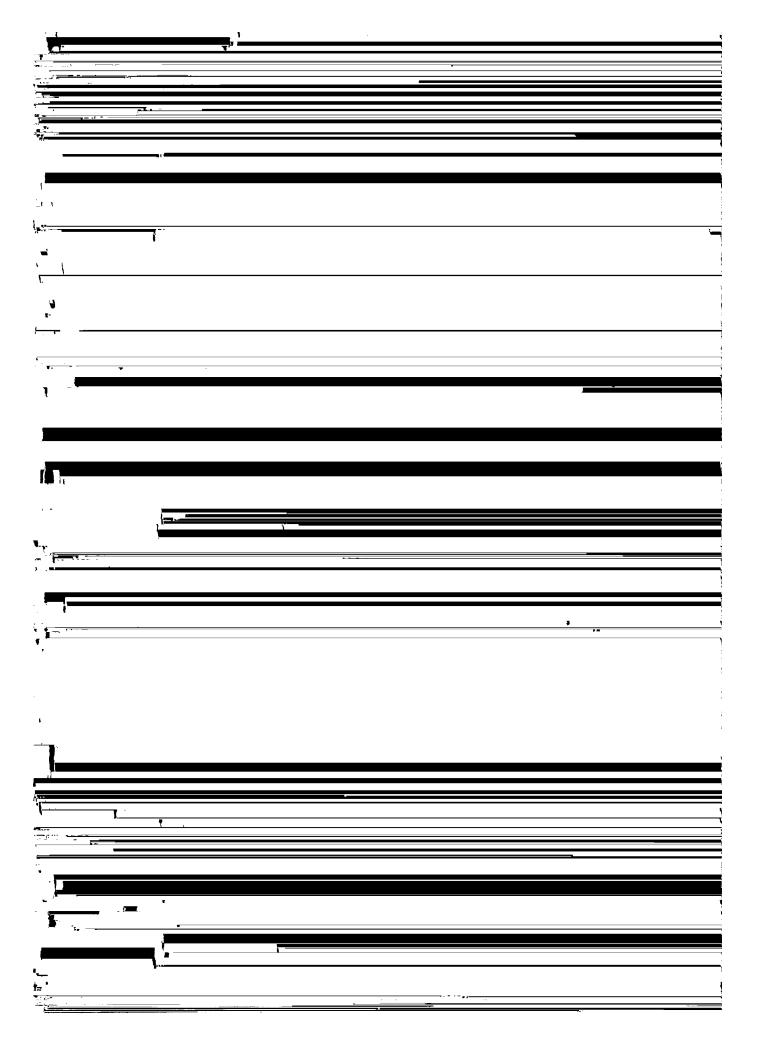




Figure 5-2. Electric log, caliper log and temperature log from an Oklahoma Well.



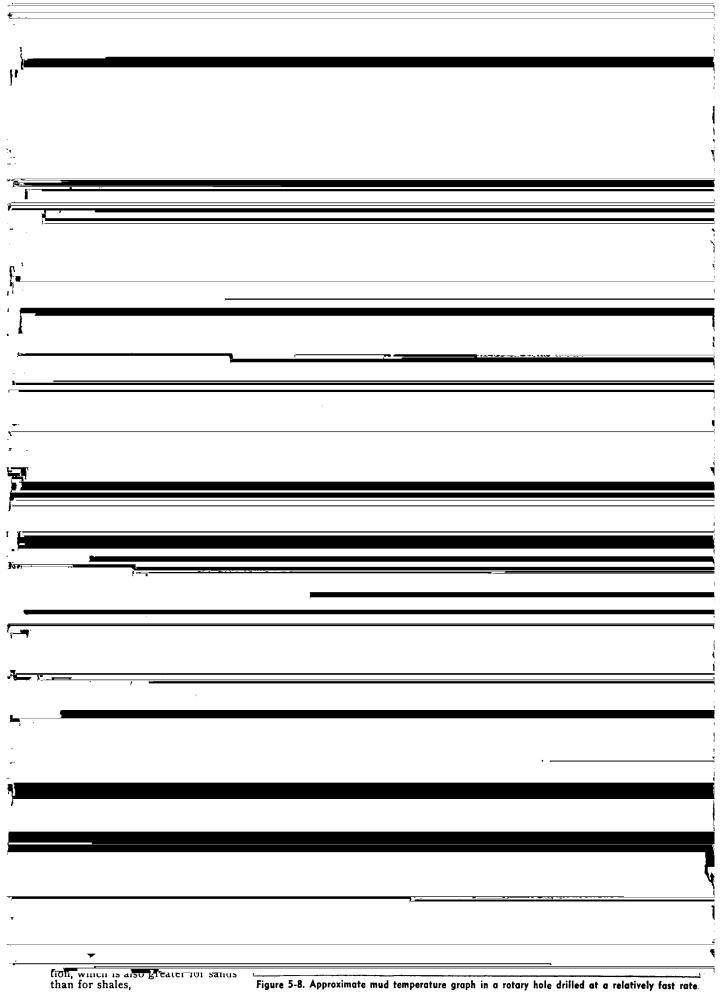




Figure 5-10. Electric log and temperature log from a Lake Peigneur well (Louisiana Gulf Coast).

well was still open, there is considerably more cement than where the hole was to gauge. Now, Portland Cement has a somewhat smaller heat conductivity than ordinary sediments (1 to  $2 \times 10^{-8}$  C.G.S.). It will therefore impede to some extent the exchange of heat between the fluid in the hole and the formation outside. in the hole and the formation outside. The greater the amount of cement, the slower will be this exchange of heat. In

