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25th January, 1952

MEMORANDUM:

UNDERGROUND WATER IN PROPERTY OF
H. PORTER - SPRINGHILL

Mr. Porter desires a bore to be put down on his property close to the Midland Highway, halfway up Springhill between Melton Mowbray and Jericho.

Rocks outcropping in the neighbourhood are sandstones of the Triassic Period, the well known aquifers of the Midlands.

The bore site is over six hundred feet above the lower limits of this sandstone basin (in the vicinity of Melton Mowbray) and two hundred feet above an adjacent gully so that if no barrier intervenes, and Nye's mapping shows none, it will be necessary to bore to fairly large depths to encounter the water table - probably upward of two hundred feet. However, smaller amounts of underground water may be obtainable at shallower depths, if the shale bands of this series are sufficiently impervious to hold accumulations of water at higher levels than the general water table.

Several of these shale bands outcrop in road cuttings 150 feet below the desired site.

The exact site of the bore is, from a water supply angle, immaterial.

(Sgd.) Terence D. Hughes

GEOLOGIST.

The Director of Mines,
