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8th November, 1950

MEMORANDUMUnderground water on property ofR. Hutchins - Rokeby

This is a small property, of about 10 acres lying immediately to the South of Rokeby Church. Mr Hutchins requires water supplies for stock, garden and domestic uses.

The property occupies portion of a small Tertiary basin lying between Permian Mudstone hills. The Tertiary deposits of this area consist of mixed beds of sands and clays and it is reasonable to suppose that this alternation exists below Mr Hutchin's property. Supplies of underground water should be able to be obtained from sand beds which are presumed to be included among more arenaceous layers.

Just beyond the south eastern boundary, are old pits made in the mudstone and these rocks may extend a short distance inside the boundary. The mudstones are not aquifers and no supplies of underground water can be obtained from them.

I have advised Mr Hutchins that the best proposition is to sink a well near the house. This should not prove a difficult task as the material below the surface soil is clayey and the sides of a well should stand up well. It is expected that water should be encountered at no great depth, depending only on the existence of some sandy beds.

The water should be of quite good quality as the property is sufficiently high above sea level to prevent the underground water being polluted by sea water.

Terence D. Hughes (sgd)  
GEOLOGIST

The Director of Mines,  
Hobart.