

WLM/3

16th September, 1960.

MEMORANDUMUNDERGROUND WATER AT CYGNAT.

A visit was made to Mr. F.W. Albrich's property in order to determine the chances of getting underground water on his property for irrigation of $4\frac{1}{2}$ acres of orchard.

The area is surrounded by high hills of feldspar porphyry. In the valley itself there is an area of fossiliferous permian mudstone. Down hill from where Mr. Albrich wants his bore, there is a vertical porphyry dyke which would probably act as a barrier to ground water. Springs emit from the Permian at various levels on the downslope to the main valley. There is a large valley behind the site where the water is required.

In view of the results obtained from drilling Permian mudstones in the Midlands, it was considered that Mr. Albrich has a reasonable chance of getting water, and the site was recommended. It is probable, however, that a considerable depth will have to be drilled to get a reasonable supply of water.

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