

UNDERGROUND WATER AT BRITTON'S SWAMP

In consultation with the District Agricultural Officer on arrival at Smithton I ascertained that two bores had just been completed at Britton's Swamp under private contract for the Closer Settlement Board, and that sufficient water had been obtained for present needs.

I also learned that the Inspector of Mines (H.A. Vaudeau) had selected the site for the second bore by water divining methods.

No. 1 bore-hole was sunk on Lot 10 and gave the following general section :-

Soil	2 feet
Grey plastic clay.....	18 "
Dolomite.....	90 "
	<u> </u>
Total depth...	110 feet

A little water percolated from what appeared to be a joint plane in the dolomite at 70 feet depth. On blasting with gelignite at that depth and at 72 feet a pumping test produced water at the rate of 1700 gallons per day.

No. 2 bore-hole situated 50 chains further south on Lot 15 penetrated the following:-

Soil.....	5 feet
Brown,yellow and red clay...	36 "
Crystalline dolomite.....	39 "
	<u> </u>
Total depth....	80 feet

Water was cut at 60 feet depth in a cavity in dolomite and pumping tests showed 3,000 gallons per day, which was limiting capacity of the pump in use.

A windmill and tank is now in course of erection at the site of No. 1 bore-hole.

The water from these bores is stated to be suitable for stock consumption but a sample from No.1 bore was secured for analysis.

Under the circumstances an exhaustive survey appears to be unnecessary.

(Sgd.) F. BLAKE

Acting Government Geologist.

Mines Department,
HOBART.

20/4/1939.