

REPORT ON SPRING AT Wm. JOHNSON'S PROPERTY,  
WESTBURY.

This property is situated about  $1\frac{1}{2}$  miles south-east of the township of Westbury and  $\frac{1}{2}$  mile south of the Launceston-Westbury road.

The spring is a small one and occurs in the middle of a cultivated paddock.

It was stated that a scum had collected on the water and Mr. Johnson thought that it might be an indication of oil &c. He skimmed the scum and forwarded it to the Laboratory, Launceston. The sample was apparently nearly all water and was analysed with the following results:-

Total solids	276.52	grains	per	gallon
Sodium chloride	160.73	"	"	"
Calcium chloride	11.99	"	"	"
Magnesium "	37.90	"	"	"
Magnesium carbonate	10.58	"	"	"
Iron oxide & alumina	2.80	"	"	"
Silica	1.40	"	"	"
Organic matter	51.12	"	"	"

On the occasion of my visit, no scum was visible on the water from the spring, but the adjacent ground had a black discoloration on its surface. On gathering some of the surface, it appeared to be mainly a vegetable growth and that the coloration was due either to oxides of iron or manganese.

The material was tested in the Mines Department laboratory and the coloration was found to be due to oxides of iron.

It was also tested for any possible natural petroleum products and found not to contain any of them.

P.B. Nye (Sgd.)

GOVERNMENT GEOLOGIST.

Mines Department,  
HOBART.  
9/12/1932.