

Copy 1

RECORD 1947/70

DOLomite MOUNT MAGNET

by

C.W. Ball

DOLOMITE.

MOUNT MAGNET.

Report No. 1947/70.

A brief inspection was made of dolomite at Mount Magnet on 2nd September, 1947.

Two quarries have been worked by Mr. J.A. Holland of Mount Magnet, $\frac{1}{2}$ mile south of Mount Magnet and 1 mile south-south-west of Mount Magnet respectively.

At the first location, sample 1 was taken, over a horizontal distance of 24 feet in the quarry. The sample was taken in chips from nodules up to 6 inches across (average 4 inches) in a limey clay matrix. The depth of the quarry is 7 feet and green stone with dolomitic nodules occurs in the unsampled portion of the quarry. The quarry measures approximately 50 feet x 20 feet. Pits 5 chains west of the quarry have exposed nodules of dolomite.

At the second quarry, 1 mile south-south-west of Mount Magnet, sample 2 was collected as chips from nodules extending over a horizontal distance of 15 feet. The depth of the quarry is 6 feet. The nodules observed in the quarry ranged up to 8 inches across. Blocks of picked stone on the pile awaiting shipment ranged from 12 inches to 18 inches across.

Hadfields Ltd., Perth use the material as a refractory in electric furnaces, there being a market at present for 100 tons a year.

One assay was quoted by Mr. Holland as follows:

MgO 40 per cent.
CaO 60 per cent.
SiO₂ 0.2 per cent.

Canberra, A.C.T.
10/11/47.

C.W. Ball.
C.W. Ball,
GEOLOGIST.