

To Mr B.R. Brown

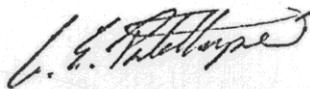
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Specimen MRL 4886 Aroo 1 11,831'.

This is a medium grey altered basalt, containing large dark green chlorite-filled amygdales and calcite veins. In thin section the rock is strongly altered and has a similar texture and mineralogy to MRL 4885, with one important difference. Talc containing euhedral crystals of carbonate occupies about 20% of the rock and in some areas can be seen to be pseudomorphous after olivine.

The rock is more basic than the other three specimens and is an altered picrite basalt.

Discussion The specimens represent a partially altered basaltic flow derived from a magma undersaturated in silica. The presence of amygdales suggests it was a surface flow (rather than a sill) however there is evidence of crystal settling toward the base as signified by increased olivine pseudomorphs in MRL 4886.



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