3.2 Bangor 1

The heat flow model for Bangor 1 (Fig. 1) illustrates a good fit between the observed and predicted temperature profiles. The well shows possible advective influence at around 142-205 m depth, reducing the heat flow at the base of the well to 64 ± 4.2 mW/m². The well only intersected black pyritic shale (possible Mathinna Beds) with thermal conductivities ranging from 2.06 – 3.77 W/mK The conductive **basal heat flow** is **64.3 ± 4.2 mW/m²** over the conductivity-constrained interval (approximately 100 m – 240 m).

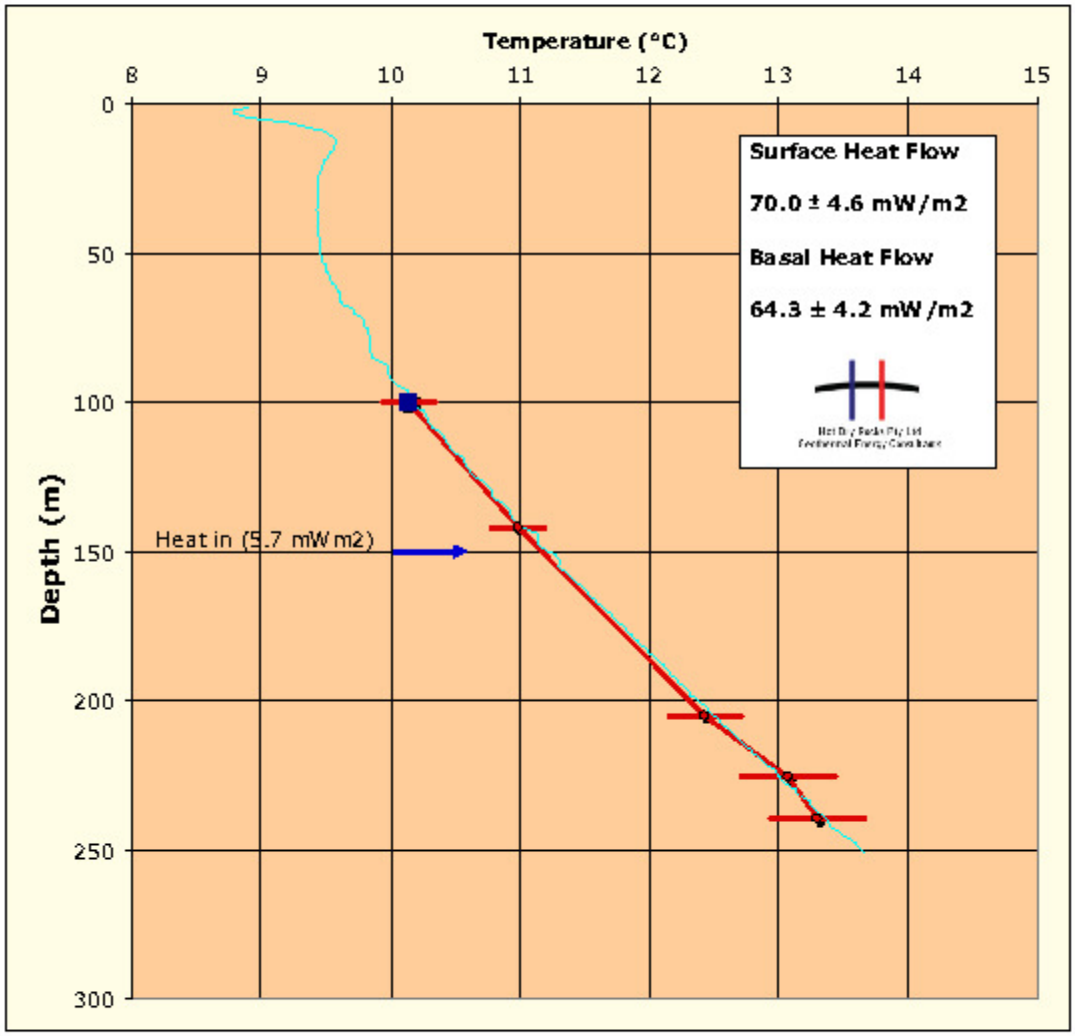

Figure 1. Bangor 1 – conductive heat flow modelled from rock thermal conductivity data and precision temperature log (blue line). Red line is the modelled temperature profile for the stated heat flow.