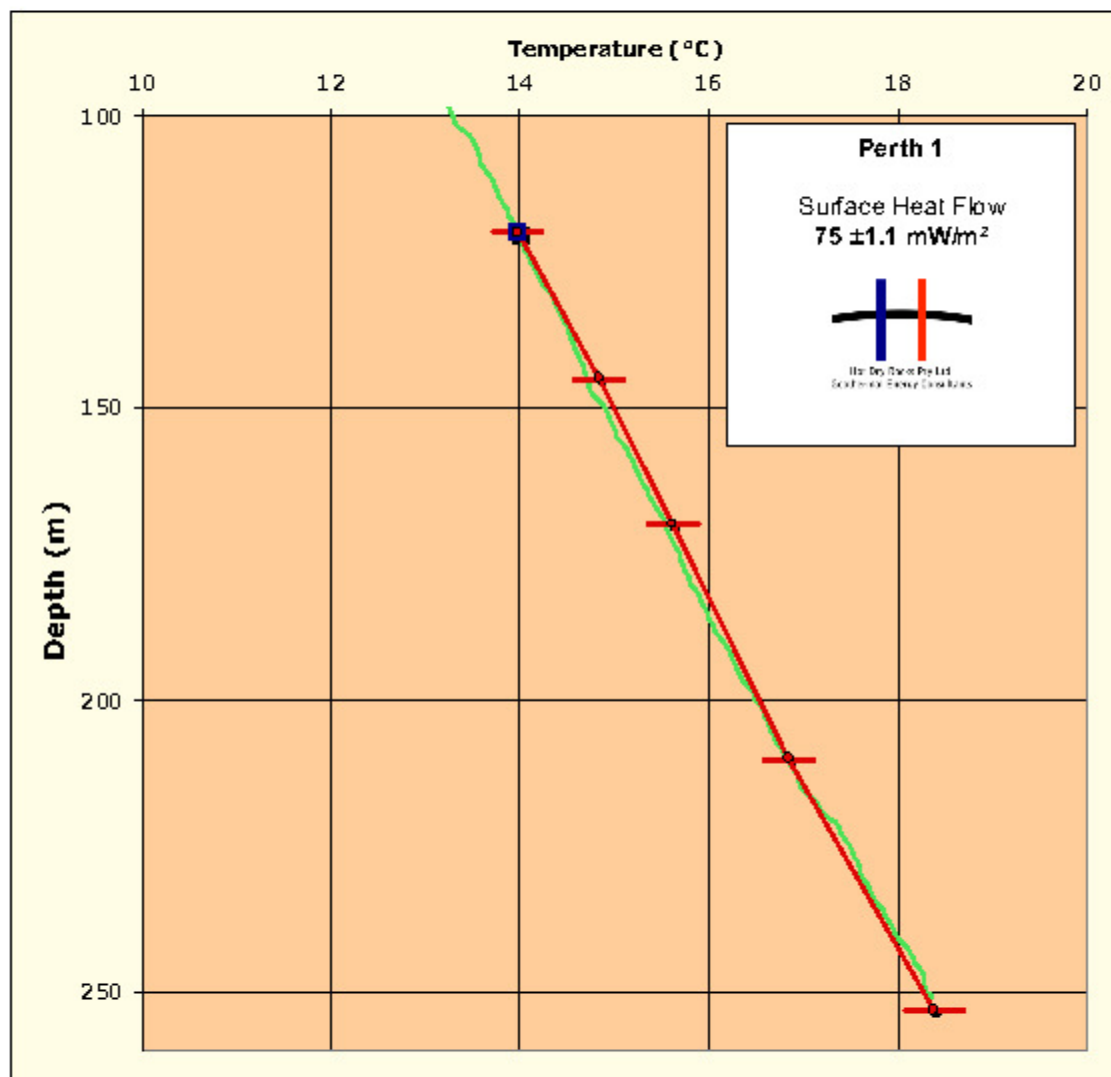


### 3.3 Perth 1

The heat flow model for **Perth 1** (Fig.2) illustrates a good fit between the observed and predicted temperature profiles. The well only intersected Jurassic dolerite with thermal conductivities ranging from 2.07 – 2.41 W/mK. The modelled surface heat flow is  $75.0 \pm 1.1 \text{ mW/m}^2$  calculated from the conductivity-constrained interval (approximately 120 m – 253 m).



**Figure 2.** Perth 1 – surface heat flow modelled from rock thermal conductivity data and precision temperature log (green line). Red line is the modelled temperature profile for the stated heat flow.