

Abstract

The Portland-King Island Seismic Survey was shot by G.S.I. for Hematite in the offshore Otway Basin in October 1972.

Shooting used an airgun energy source to record 48 traces, 48 CDP, with a trace interval of 66.67 metres and a shot interval of 33.33 metres. Navigation was by satellite/sonar doppler. Processing was 24 fold, with a two-fold vertical stack, and using continuous velocity analysis to help interpretation. In addition to the 166.68 miles of new shooting, fifteen lines totalling 232 miles were reprocessed to assist in interpreting the structures on which the wells Prawn 1, Mussel 1, and Whelk 1 were drilled in the area.

The survey was successful in upgrading the seismic data in the basin, and two wells, Mussel 1 and Prawn 1, were confirmed as being drilled off-structure.