

AGSO Deep-Crustal Survey of the Otway Basin

The Australian Geological Survey Organisation (AGSO) has recently completed a regional deep-crustal survey across the offshore Otway Basin (AGSO Survey 137). Approximately 3500 km of 16s record length, 48-fold seismic data was acquired using AGSO's research vessel Rig Seismic over a six week period from late November to mid-January. The data aims to provide insights into the deep crustal architecture of the offshore Otway Basin, as well as to characterise the linkages between the Otway Basin and the flanking Bass Basin, Kanmantoo High and oceanic crust.

The survey consists of nine north-to-northeast-trending 'dip' lines which extend from inshore well ties southward to the continental-oceanic crust boundary, and three regional, northwest-trending 'strike' lines. Exploration wells tied by the survey include: Trumpet-1, Troas-1, Copa-1, Breaksea Reef-1, Bridgewater Bay-1, Voluta-1, Minerva-1, LaBella-1, and Whelk-1. The data is currently being processed by Geco-Prakla, and is expected to be ready for purchase by late June, 1995. Further information on the survey can be obtained from AGSO Record 1995/18 (Deep Structure of the Offshore Otway Basin, Southeastern Australia: Survey 137, Phases 1 and 2, Post-Cruise Report), or by contacting Mr. Chris Johnston, AGSO Marketing on (06) 249 9353, or Dr. Neville Exon, AGSO Chief Scientist, Southern Margin Project on (06) 249 9347.