

## I INTRODUCTION

This report discusses the major phases of the Bridge Bass 1988 Seismic Survey (Fig 1); its purpose, data recording, data processing, and data interpretation. The data recording and processing work was carried out by Western Geophysical who have prepared and submitted reports that describe the work. These reports are appended. Two way time structure contour maps of the major geologic horizons have been drawn to demonstrate present day time structural configuration over the report area. These maps are appropriately discussed in this report.

### Ia Joint Venture Participation List

The joint venture participants of record at the time of recording are listed below:

BRIDGE OIL LIMITED	84.657%
CLUFF OIL (PACIFIC) LTD	7.006%
PEKO OIL LTD	5.211%
WEAVER OIL & GAS CORP	3.126%
	100.000%

### Ib Bridge Bass 1990 Seismic Survey Rationale

The programme was recorded with Halliburton Geophysical Services seismic recording vessel MV Magnificent Creek. The data were processed by Digital Exploration (Digicon). The client representative on board the recording vessel was Austral Geophysical Services. Each company has submitted a detailed report on the services provided. These reports are attached to this report as Appendices I, II, III and IV respectively.

Those data covering the Bark Sub-basin were interpreted by Bridge Oil Limited. A report concerning the interpretation of these data is attached as Appendix V.

Those data covering the two most eastern of the sub-basins that make up the Durroon Basin (Anderson and Boobyalla) were interpreted under contract by D W Edgerley of Petroconsultants Australasia Pty Ltd. This report is attached as Appendix VI.

### Ic Geo-tectonic History

The geo-tectonic history of the Durroon Basin, and hence the area covered by this report is comprehensively discussed by D W Edgerley in Appendix VI of this report.

### Id Bathymetry

A bathymetric map of the survey area is included as Figure 3. The sea floor apparently dips gently toward the northwest. There may be some surface expression of deeper structural features on the map. Sea floor topography is expected to have minimal static effect on sub-surface structural features.