

1. INTRODUCTION

GEOMEX SURVEYS (AUSTRALIA) PTY. LTD. was contracted by AMOCO AUSTRALIA PETROLEUM COMPANY to carry out a site investigation survey around the 'Pelican No. 5" location, in permit area T-22P in the Bass Strait, Australia. The area surveyed comprised a 4 kilometre square site centred on the proposed well co-ordinates, supplied as follows:

Latitude: 40^o 20' 43.58" south

Longitude: 145^o 51' 49.21" east

The vessel 'R/V Sprightly' was used for the survey. All the necessary Geophysical survey equipment was fitted onboard prior to the vessels arrival in Devonport when the Argo navigation system was installed.

The entire survey was conducted during the period November 10th to November 21st 1985. The following work was performed:

- (a) Recovery of acoustic transponder array near Yolla No. 1 location.
- (b) Digital Seismic Survey around Pelican No. 5 location.
- (c) Analogue Seismic, Bathymetric, Drop-Coring and Side-Scan Sonar Surveys around Pelican No. 5 location.
- (d) Digital Seismic Survey (8 lines) around Koorkah No. 1 location.
- (3) Deployment of an acoustic (transponder) array around Pelican No. 5 location.

The navigation system employed for these surveys was ARGO with the shore stations set up on the Tasmanian and Victorian coasts.