

Also in 1992 SAGASCO Resources commenced interpretation on a Geoquest Workstation. No stack or migrations data prior to 1984 had been stored on SEG-Y tape. In order to facilitate the interpretation several 1980 lines in the Pipipa area were reprocessed and stored to tape. In addition the 1984 and 1985 data, which had been stored only as stack data, were migrated and stored on tape.

The seismic surveys which have been acquired in T/25P are listed in Table 3.1.

### 3.3 Geophysical Studies

In 1990 an amplitude versus offset study was conducted over the Flinders structure. HGS conducted the processing of line TNK4-79 using their AVOSCAN program. This program is based on the linear fitting of amplitudes versus angle of incidence (at each offset) to input NMO corrected CDP gathers. In addition, three horizons had their amplitudes tracked at several locations along the line. The resultant amplitudes were then plotted against offset.

In conclusion, it was found that there were no apparent AVO anomalies over the line segment studied. During the subsequent drilling of Flinders 1 a dolerite intrusive was encountered corresponding to the seismic amplitude anomaly studied.

Gravity and magnetic surveys were conducted over a wide area in 1960 and 1961 by Hematite Petroleum Pty Ltd. These data are presented in the report "Bass Strait & Encounter Bay aeromagnetic survey, 1960-1961 : BMR Australia, Petroleum Search Subsidy Acts : Publication Report 60". Gravity and magnetic readings were acquired during most early seismic surveys, however a large seismic survey in 1984 and 1985 by Amoco with simultaneous gravity and magnetics readings produced reasonably detailed maps over a significant portion of the Bass Basin. These maps are currently being digitised to enable better and reproducible presentation.

### 3.4 Drilling

Twenty-nine offshore exploration and appraisal wells (Table 3.2 and Figure 3.1) have been drilled in the Bass Basin since drilling commenced in 1965 with the Esso operated Bass 1. Nine of these wells are located within T/25P. Well Summary and Post Mortem Sheets for each well in T/25P are included in Appendix 1.