DATA PROCESSING

A.   EQUIPMENT AND PERSONNEL

The transcription of field data to TIAC format, vertical stack processing and record section displays were carried out on a Texas Instruments Seismic Digital Filtering and Display System Model 870.

All other processing were carried out on a Texas Instruments Automatic Computer (TIAC) Model 827.

Key GSI processing and interpretation personnel were:

K. Graybill   Party Chief
J. Gillard   Assistant Party Chief
P. Connard   Geophysical Engineer

Client Supervision was provided by Mr. A. Sabitay, consultant to Magellan Petroleum Southern Pty. Ltd.

B.   TRANSCRIPTION AND VERTICAL STACK PROCESSING

The initial phase of processing accomplished the following:-

1.   Applied True Amplitude Recovery (TAR) to the field data on a trace by trace basis.

In the TAR process, a gain function is computed using input parameters and binary gain information recorded on tapes. The gain function is then applied to the data and affects;

a.   The removal of binary gain applied during recording.

b.   The application of a time varying scaler to compensate for energy loss due to the effects of spherical divergence.

c.   The application of an exponential function to compensate for energy loss due to the effects of inelastic attenuation.

24