



SECTION A - VESSEL AND EQUIPMENT

1. General

The seismic vessel "Eugene McDermott II" was used for this survey; details of the vessel, its equipment and personnel are listed below. Positioning for the reflection programme was provided by Offshore Navigation Inc. and consisted of a three base station XR-Shoran system. Positioning for the refraction programme was by Geonav II which was supplied and operated by G.S.I.. The client representative, refraction equipment and stores were taken on at Barry's Beach, Victoria, on 22nd May, 1973 and the survey commenced on that date. The programme was completed on the 23rd May, 1973 and the vessel proceeded directly to Sydney.

The reflection programme consisting of 105.19 miles was shot first - the sea state was calm and streamer noise level was accordingly low. No time was lost for either equipment failure or bad weather.

A total of 37.03 miles of refraction profiles were recorded; seas during this phase were approximately state 4 to 5. Five two-way refraction profiles, each of five miles, had been programmed. However, due to malfunctioning of the Sonabuys, only one was completed, one was completed in one direction only and the remainder in both directions for approximately three miles each. Sufficient Sonabuys to complete the programme twice over were shipped and of these twenty buoys, three worked successfully, six worked for between fifteen and twenty-five minutes, five failed within ten minutes of activation, four transmitted carrier wave but no signal and two were damaged on deployment and failed to function.