

SECTION IIIINTRODUCTIONA. REPORT COMPOSITION

The subsidized part of the Tasman-Bass Strait Sparker Profiler and Magnetic Survey, reported herein, consists of 1,835 miles of single coverage reconnaissance sparker profiling and 143 miles of digital, multi-coverage air-gun shooting; towed magnetic data were concurrently recorded. Data collection commenced on August 16 and the survey was completed on September 18, 1969.

This report consists of the combined contributions of several authors involved in the work. For the data collection effort, Teledyne Exploration Company was the prime contractor with Offshore Navigation Incorporated subcontracting the radio positioning. Their part of the work is presented in Section VI, Field Operations. The digital processing of selected portions of the data was shared by Western Geophysical Company, Geophysical Service International and Teledyne Exploration Company. The results of this phase of the work are contained in Section VII, Data Processing. J.E. Milner, Consulting Geophysicist interpreted the data from Northwest Tasmania (Permits T/2P and T/10P) and A. Sabitay, Magellan's Geophysicist, interpreted the New South Wales (NSW EPP/1), East Gippsland Basin Area (VIC/P3, VIC/P4 and T/1P) and East Tasmania (T/9P) data. These results are presented in Section's IV and V, Interpretation. The remaining Sections (I, II, III) and compilation and editing of the report in total is the work of A. Sabitay.

Previous work in adjoining permits has been incorporated where feasible. A small amount of digital reprocessing of previous Magellan work in T/1P was