

ABSTRACT

The Offshore Gippsland Basin Marine Seismic Survey, EC-67, was conducted from September 1, 1967 to November 24, 1967. Purpose of the survey was to establish prospective areas on the southwestern margin of the basin. Approximately 465 miles of six-fold C.D.P. reflection seismic information was digitally recorded and digitally processed by Geophysical Services International. Previous surveys in the area consist of single-fold, analog data. All existing seismic data have been incorporated into interpretations covering the EC-67 survey.

Objectives of the EC-67 survey were to better define the southwestern margin of the Gippsland Basin and to extend seismic control grid into previously unexplored areas in the Basin. The quality of the data is considered good and reliable. Structure maps were made from reflections at the top of the Lakes Entrance Formation, top of the Latrobe Delta Topographic Surface, and top of Basement. Isopachous maps of the Lakes Entrance to Latrobe Delta and Latrobe Delta to Basement also accompany the report.

Results obtained from the EC-67 survey clearly defined Basement structural features and overlapping sediments of the Latrobe Delta and Lakes Entrance formations. Stratigraphic traps are indicated in the EC-67 survey area and will be pursued in future exploration efforts.