

The present investigation commenced with an extensive study of the seismic data followed up by detailed interpretational mapping of both stratigraphical and structural features. This work was carried out during the months of January, 1964, through August by A. S. Maureira, Geophysicist, whose services were obtained from United Geophysical Corporation. Beginning in May, the writer devoted full time to the study of the Bass basin, working in close co-operation with Maureira toward clarifying the problems and finally presenting the results of the investigation in terms of geology.

A brief discussion of the character of the seismic data and the procedure followed in the interpretation was prepared by Mr. Maureira. This appears in the Appendix.

The writer wishes to acknowledge the generous assistance given in many ways by Mr. Brian Hopkins and the invaluable co-operation of Mr. George Hosking who prepared the illustrations accompanying this report. The joint geophysical and geological approach to the study of the Bass basin has proved most profitable, due mainly to Mr. Maureira's excellent interpretation and mapping of the seismic data, which contributed greatly to the geological concepts and conclusions.

.
