

ABSTRACT

Esso Exploration and Production Australia Inc. carried out the Offshore Otway ER-68 Seismic and Magnetic Survey between October 10 and November 23, 1968. 1110 miles of 12 fold CDP information were shot with Aquapulse and were digitally processed. 425 miles of previously shot 6 fold CDP data were digitally reprocessed in conjunction with the Survey. The results of the ER-68 Survey have been integrated into previous work, and a total seismic interpretation of all parts of the Esso farm-in tenements of the Offshore Otway Basin, except for the South King Island Sub-basin, is reviewed.

Results of the survey show that the Encounter Bay area is underlain by shallow Basement, and is therefore probably non prospective for hydrocarbons. Prospects have been outlined that involve Cretaceous and Paleocene rocks.