

In view of advances in technology and the urgent demand for petroleum resources, our present knowledge of the geology of this area indicates that it is reasonable and logical to undertake further study and petroleum exploration of this permit.

3. PREVIOUS EXPLORATION

Most of the present permit area was previously held in separate permits by Esso/BHP and Magellan Petroleum. Seismic surveys led to the drilling of three wells within the permit boundary. The two Esso/BHP wells (in 1969) in the extreme northwest corner of T13P were very shallow stratigraphic pinchout prospects which proved to be dry, possibly owing to the absence of a seal, and more likely as a result of excessive distance from a suitable source of hydrocarbons. The other shallow well, drilled in 1971, tested a seismic anomaly having some reef-like characteristics, but encountered instead a local buildup of volcanic material.

Seismic survey control is rather sparse in large portions of the permit, particularly in the southern half. The surveys were run prior to 1971 except for a small survey along the northern margin of the present permit in 1973. The definition and resolution of these data cannot be compared to modern seismic survey and processing results.

4. SOURCE OF DATA

This report is based on brief examination of the seismic record sections, maps and reports of surveys within and contiguous with T13P, plus perusal of well completion reports of the three wells. Background information on the geology and hydrocarbon fields of the Gippsland Basin and regional geology was obtained from published literature, mainly in the APEA Journals and the A.I.M.M. volume on Petroleum, Economic Geology of Australia and Papua New Guinea, 1976.