

4.0 PREVIOUS WORK

(a) Seismic Surveys

Seismic surveys were performed within the permit spanning the period 1965-1973. Dynamite, aquapulse and airgun sources were used, and the data were 6, 12 and 24 fold, respectively.

The existing seismic grid was moderately detailed along strike from Sailfish 1 (39° 27'S, 148° 40'E). In particular, there is the very comprehensive G series lines, shot for Planet in 1970, which are the basis for much of this interpretation.

(b) Reprocessing

Sailfish Lines G7, G35X, G37 and G39A were reprocessed by Geophysical Service International in Sydney in March 1980. Also the following Magellan lines shot in April 1969 were reprocessed :M15T, M20T, M22T, M24T, M30T, M33T, M34T, M35T, M39T, M40T, M41T, M55T, M56T, M57T, M58T, M59T, M60AT.

The seismic surveys above were originally processed in the late 1960's to early 1971. Software and display hardware used to process data has dramatically improved in the last ten years. As a consequence the 1980 reprocessed data show a marked increase in quality.

(c) Drilling

Three wells have been drilled in the permit. Sailfish 1 was drilled by Planet in 1973 to test a postulated reef play in the Oligocene or Miocene. This well was abandoned in a volcanic pile without encountering hydrocarbons or Latrobe Coal Measures. Two Esso wells, Bluebone 1 and Mullet 1 tested shallow stratigraphic plays and were dry. These wells on the western shelf margin did penetrate sandstones of the Eocene Latrobe Coal Measures.