



d. Isopach A-B

Isopach A-B represents the interval comprised of Lower Miocene and Oligocene sequences. Reflection data within these sequences indicate that the Oligocene thins eastward and may be absent along the eastern margins of the area.

e. Isopach B-C

Isopach B-C represents the interval from the top of Latrobe Complex to Basement. The principle hydrocarbon discoveries of the Gippsland Basin have been from within this interval. In the southern portion of T/1P, reflection character changes within the deeper portion of this interval suggest possible older stratigraphy and complex tectonics.

The unconformity at the top of this interval (Horizon B) has been interpreted as a continuous horizon from the Marlin No. 1 well through the entire prospect area. Although the exact top of the unconformity is not always clear, it is believed that Horizon B is near the top. Angular unconformity and frequency change (events below Horizon B have a distinctively lower frequency content than those above) were significant criteria in interpreting the horizon level. Near the Marlin No. 1 well this frequency change can probably be associated with the change from the shale-marl interfaces within the Miocene and Oligocene sequences to the coal-sand interfaces within the Latrobe Complex.