

Only minor changes have been made on Horizon A (Plate 9) and the A-B Isopach (Plate 13) by the addition of the new data. The Water Depth Map (Plate 12) has revealed present day channels crossing M60T at SP's 50, 90 and 145.

The air-gun lines were placed on top of Feature VII for the most part. As a result they exhibit the same "wormy" appearance in the Latrobe sequence as previously noted on Line M37T. Except for the northeast end of Line M58T (which is off structure) this phenomenon reflects the influence of basement control on the feature very clearly. A geologic explanation is required for this appearance because a duplicated portion of an Aquapulse line (where "worminess" is not seen) in the non-subsidy area had equally continuous reflections thus eliminating the differing source and processing as possible causes of the "wormy" appearance.

Differential erosion, small tension faults and/or facies changes such as a higher proportion of sands on structure are postulated to explain the "worminess". The top of Marlin field, as seen on a subsidized Esso (EG-38) seismic section, also exhibits this appearance. In picking the Top of Latrobe horizon the "wormy" section was followed because continuous reflections were absent and phantom dips are thought to be meaningless.

5. Reprocessing of Feature VII Lines

Those portions of seismic lines obtained in the East Gippsland 1968 survey and pertinent to the delineation of Feature VII were reprocessed by Western to obtain maximum results for interpretation. A major increase in processing effort as compared to the previous GSI processing incorporated a 2 on 1 vertical stack followed by a 24-fold horizontal stack as compared to the former 4 on 1 vertical stack followed by a 12-fold horizontal stack. In addition,