



portion of T/lP fault trends are variable and indistinct.

An attractive stratigraphic trap is located within the southern portion of PEP63B where the 5750 foot contour of Horizon B (Top Latrobe Complex) closes against the area where Latrobe Complex sediments are absent. The area of defined closure is approximately 20 square miles and includes an inferred anticlinal feature (Feature IV). The areal extent could be much greater if contours deeper than 5750 feet close outside of the permit area.

The eight anticlinal features shown at the top of the Latrobe Complex are all potential hydrocarbon traps. All of these potential traps require additional seismic definition prior to test drilling except for Feature VII which is an elongate anticline located in the west central part of T/lP with 250 feet of vertical closure over an area of ten square miles. The features are further discussed in Section VI of this report.

Thinning and foreset bedding within the shallower section indicate that the southern boundry of PEP63(A) and eastern boundrys of PEP63B and T/lP are near the limits of the post-Latrobe basin. There are no indications of the eastern limits of the Latrobe Complex Basin.