



C. STRUCTURE

1. General Structure

a. Water Depths

Water depth contours show: a general south slope from 1500 to 4000 feet through PEP63A, a general north east slope from 220 to 5500 feet in PEP63B, and a general east slope from 220 to 6000 feet in T/1P. On Line M5B which ties PEP63A to PEP63B water depths reach a maximum depth of 7950 feet.

b. Horizon A (Within Miocene)

Horizon A contours show general south dip through PEP63A and general northeast dip through PEP63B. The general east dip through T/1P reverses and forms a north-south synclinal trend along the eastern margin of the permit area.

c. Horizon B (Top Latrobe Complex)

Within PEP63A contours on Horizon B show one closed anticlinal feature superimposed over general south dip. Within PEP63B contours on Horizon B show some faulted anticlinal features superimposed over general northeast dip.

Horizon B is shown to onlap basement in an area along the boundary between PEP63B and T/1P.

Within T/1P Horizon B contours show several anticlinal features or trends, superimposed over general east dip which reverses and forms a north-south synclinal trend along the eastern margin of the permit area.

d. Horizon C (Basement)

Contours on Horizon C show general south dip within PEP63A and general northeast dip within PEP63B.

Complex contour configurations and fault orientations are shown within T/1P (refer enclosure 4).