

(5) Structure

The Nangkero-1 well was located over a large unfaulted closure mapped on the Red horizon within the upper part of the Eastern View Coal Measures in strata of the M. diversus or P. asperopolus zones (lower to mid Eocene). No closure was mapped in the Nangkero area at the Yellow horizon, near the top of the Eastern View Coal Measures.

In the well the top of the Eastern View Coal Measures was close to its predicted position but the Red horizon was 235 feet lower than predicted due to higher velocity (Fig. 2).

The Nangkero Red horizon structure has now been remapped (Fig. 6) as described in Appendix 7.

The new map confirms the existence of the structure which the well was meant to test. It also shows that Nangkero-1 is approximately 175 feet higher than Poonboon-1 and that critical closure of the Red horizon exists to the north. However velocity analysis on lines crossing the northern part of the structure indicates a velocity anomaly associated with a zone, interpreted to be volcanics, in the upper part of the section. The influence of the anomaly is reflected in the current Red horizon depth map (Enclosure 6) which shows substantially reduced closure on the northern part of the structure.