

Line M4S which may be related to that at 0615 on Line T-1.

Other highly speculative anticlinal anomalies are shown at the intersection of Lines M3S and M41S, on M4S at SP 60 on M41S at SP 115 and on T-5 at SP 24.

A fault is postulated across the entrance to Jervis Bay down-thrown to the west. Major faulting and slumping are seen opposite Batemans' Bay near the permit's east boundary.

The most interesting feature in the southern part of the permit is a closed domal anticline found on Lines T-6, T-7, M22S and M32S. Plate 3 shows this feature, which is supported by positive magnetic anomalies on each of the lines (see Plate 4). Water depth at the crest is 390 feet. The dome is roughly five miles in diameter and appears to be a basement high surrounded and thinly covered by Tertiary to Recent sediments. Relief on the "high" is roughly 900 feet covered with 500 to 1,000 feet of deposits at the crest and flanked with up to 2,500 feet of sediments, off structure. There appears to be little convergence or thinning of overlying rocks on the structure.

An anomalously high area was found at SP 75 Line M16S which has been optimistically contoured as indicative of possible closure to the northwest. Other leads are possible nosings opposite Merrimbula Bay and at SP's 80 and 125 on Line M27S trending into the cape, north of Disaster Bay.

Turnover in very deep water was seen on the southwest end of Line M18S.

Along the eastern permit boundary, strong faulting and slumping were observed on the shelf. A down-to-the-