

represent common occurrence of the first two of the above variables, plus one of the latter two. A broad area southwest of Pisces-1 represents common occurrence of only the first two of the above parameters.

#### Lakes Entrance Fm. and Gippsland Limestone

On the Southern Platform, broad areas of possibly favorable stratigraphic or structural exploratory potential are associated with the Lakes Entrance Fm. and Gippsland Limestone. This is suggested, though surely ill-defined, by four wells.

Moray-1 encountered a 537-meter silty Lakes Entrance section. Bluebone-1 encountered 60 meters of glauconitic Lakes Entrance sandstone, reportedly with high porosities. Pisces-1 penetrated a 12-meter glauconitic sandstone at the base of the Lakes Entrance Formation. Mullet-1 encountered a basal Gippsland Limestone section consisting of 143 meters of reportedly loose calcarenite.

The above lithologic data suggest the possibility of exploratory potential in the Lakes Entrance Fm. and Gippsland Limestone on the Southern Platform. Given the paucity of well control and consequent uncertainty regarding the distribution of these potential reservoir facies, and also the lack of indicated source rocks in this area, the favorability of any prospects developed in this domain appears to be highly questionable.