

zone. A series of FIT tests produced minor recoveries of gas at best. A decision was made to case Pelican 3 and an interval of lower *L.balmei* sands were tested through perforations. The test produced a flow of 168 BWPD with gas at a rate too small to measure. Pelican 3 reached a total depth of 2907m (9537 ft) in sediments belonging to the lower *L.balmei* palynological zone (early to middle Palaeocene).

In 1973, the wildcat Narimba 1 was drilled by Esso on a separate culmination structurally deeper, on trend with but to the northwest of the Pelican structure. The well was drilled to a total depth of 3353.7m (11,003 ft). Small gas shows were recorded in the lower and middle *M.diversus* palynological zones and subsequently tested by FIT. The tests recovered only small volumes of gas, probably representing solution gas and the well was consequently plugged and abandoned. Current mapping shows that Narimba 1 was drilled on a very small closure at the key reservoir levels, but the structure appears to have developed during the Oligocene/Miocene compressional event and hence probably post-dates hydrocarbon migration.

Five years elapsed between the drilling of Narimba 1 and the next well, Pelican 4, drilled by Hematite in 1979. Pelican 4 was drilled to appraise the southeastern limit of the Pelican structure and is located 3.5 kilometres to the southeast of Pelican 1. Gas shows were encountered in sandstones of the lower and middle *M.diversus* palynological zone. Several of these zones were tested and good gas and condensate recoveries were obtained from two zones at 2739.5m (8988 ft) and 2884.6m (9464 ft). The well was not tested further and was plugged and abandoned. The current mapping places Pelican 4 on a separate fault block to the Pelican Field. Remapping of this area will follow remigration of the seismic data over Pelican Field and this will confirm whether Pelican 4 constitutes a discovery of a separate gas field.

Pipipa 1 was drilled in 1982, also by Hematite, as the last permit commitment well after the interpretation of seismic data acquired over the prospect in 1980. The well was drilled to test a large closure at the top of the EVCM. Subsequent remapping has shown that Pipipa 1 is a valid structural test at this level. Good oil and gas shows were recorded towards the total depth of the well, but log analysis indicated no moveable hydrocarbons to be present. At a total depth of 2115m (6939 ft) the well was plugged and abandoned. It was not possible to date the sediments at total depth