

12 FUTURE EXPLORATION STRATEGY

The prospectivity of T/25P has been enhanced by this project with several new, large leads being identified and mapped. Some of the more attractive leads were targeted by the 1994 Rocky Cape Seismic Survey and will be interpreted third quarter 1994.

Reservoir studies demonstrate that fair to good sandstone quality can be expected for the mapped leads, and the studies highlighted areas of better reservoir development such as the Poonboon Platform which could be pursued in future exploration.

Mapping and maturity studies showed that a large portion of the permit has generative source rocks at depth, and given robust trap and reservoir development hydrocarbon accumulations should occur in various units below the middle *M.diversus* Unconformity.

Kerogen transformation studies show that hydrocarbon expulsion occurred from mature source rocks of the lower *M.diversus*, Palaeocene and Late Cretaceous after the development of all of the leads identified except the Hunter top EVCM and upper *M.diversus* culmination. Therefore the risks associated with sourcing of the mapped middle *M.diversus* and Palaeocene leads appears reasonable.

Following the interpretation of the 1994 Rocky Cape Survey it is expected that the prospects and leads inventory will include six or seven robust structures at middle *M.diversus* and Palaeocene levels which exceed 300 PJ Sales Gas capacity with several of these being over 600 PJ volume. The standout structure of the inventory is the Clarke Lead which straddles the T/18P border. This lead can contain 4626 PJ Sales Gas at middle *M.diversus* level and 2276 PJ at Palaeocene level.