

in this interval, probably because interval sand percentages allow fault displacement seals to be effective.

6.2.3 Upper EVCM (post M.diversus Unconformity)

Although this interval has good source rock potential, it has never reached maturity or generated significant hydrocarbon volumes. Support of this is provided by the absence of gas from this interval in the Pelican Field.

Narimba 1, Pipipa 1, Cormorant 1 and Bass 1 all have weak shows and some fluorescence over the upper EVCM interval, but it is likely that this represents either fault migration (vertical leakage from the lower EVCM) or the weak onset of marginal maturity locally. (Oil recovered from the M. asperopolus zone at Cormorant 1 may have been locally generated by volcanic intrusives into immature source rocks.)

7.0 SEALS AND TRAPS

7.1 Introduction

Previous exploration objectives in the Bass Basin have mainly been structural culminations. Tests of these were unsuccessful. Vertical migration into structural highs may have occurred but subsequent migration out of present day highs, or timing of the structural development, has made these traps ineffective.

Therefore, a different approach to trap type is required