

thickening. The Early Miocene flexing has enhanced the Tourville structure being the only other feature with closure at the Top EVCM. The Early Miocene also corresponds to the likely time of hydrocarbon migration so it is useful to datum to a reflector corresponding to strata deposited just prior to this time in order to identify palaeomigration pathways and palaeostructures in which to trap moving hydrocarbons. Datuming to the Top EVCM achieves this result and the prospective levels are presented (Figures 3.15, 3.16 and 3.17). All the identified prospects are seen to have palaeorelief and are well placed to trap laterally migrating hydrocarbons. The faulting which sets up the Pelican Trough must also allow vertical migration, given the accumulation in Pelican Field. Prospective structures are well placed to capture these hydrocarbons given appropriate cross faults or fault plane seals (a risk not yet understood in the basin).