

## 5.6 Horizons Mapped

Horizons were interpreted on the basis that they, firstly, were directly useable for creating a structure map at expected prospective reservoir levels, or secondly, could be used to study the thickness variations of the prospective zones and possible sealing units, or finally could be used to study the basins late history as an adjunct to basin maturity studies and migration models.

The following horizons were selected for this purpose:

- 1 Late Miocene Reflector
- 2 Early Miocene Reflector (close to the Miocene/Oligocene unconformity)
- 3 Late Oligocene Reflector (just below the Miocene/Oligocene unconformity)
- 4 Top Demon's Bluff
- 5 Top EVCM
- 6 Top Upper *M.diversus*
- 7 Base Upper *M.diversus*
- 8 Top Middle *M.diversus*
- 9 Base Middle *M.diversus*
- 10 Top Lower *M.diversus*
- 11 Base Lower *M.diversus*
- 12 Top Palaeocene
- 13 Basement

NB: These picks are not strictly the top or base of these particular palynological zones. They are regional horizon picks which fall nearby to the zones and have been labelled this way for convenience.