

### 4.3 Stratigraphic Subdivision of the Eastern View Coal Measures

In T/25P six regionally correlatable units (see Enclosure 1, Table 4.1 and 4.2) were identified within the Eastern View Coal Measures as follows:

Unit 1	Top EVCM to base <i>N.asperus</i>
Unit 2	Base <i>N.asperus</i> to Base <i>P.asperopolus</i>
Unit 3	Base <i>P.asperopolus</i> to top middle <i>M.diversus</i>
Unit 4	Top middle <i>M.diversus</i> to top Palaeocene
Unit 5	Top Palaeocene to top Cretaceous
Unit 6	Top Cretaceous and below

#### Unit 1

The top of this unit (the top of the EVCM), is easily recognisable in all wells and is picked as the top of the highest sandstone in the EVCM. There is also a clear break in sonic response from the relatively low velocity sandstones of the EVCM to the faster velocity siltstones and shales of the overlying Demons Bluff Formation. Consequently the top of Unit 1 is characterised by a well developed trough on synthetic seismograms and seismic sections.

The base of this unit (the base of the *N.asperus* unit), is defined mainly by detailed wireline correlation, and is represented by the probably erosive base of a progradational sandstone.

Palynological data show this unit to be lower to middle *N.asperus* in age, although palynological control is shown to be imprecise given the good wireline correlation.