

Unit 2

The base of Unit 2 is also characterised by the base of an erosive progradational sandstone. The wireline pick is also well supported by palynology data as being the boundary between the upper *M.diversus* and *P.asperopolus* zones.

Palynological data show the unit belongs predominantly to the *P.asperopolus* zone, but may include part of the earliest lower *N.asperus* zone.

Unit 3

The base of Unit 3 in the Pelican Trough is similar to the bases of Units 1 and 2 being the base of relatively thick progradational sandstone. Palynological control is good in the Pelican Field and at Narimba 1 but is poor elsewhere, and particularly poor at Flinders 1 where palynological control is affected by thermal alteration of the spores and pollen due to a thick igneous intrusion.

In the Yolla Trough the base of the unit is correlated with a coal marker, and with good palynological control.

Unit 3 is predominantly dated as belonging to the upper *M diversus* palynological zone.

Unit 4

The base of Unit 4 is defined by palynological data as poor well control results in insufficient data to establish a wireline correlation. The base therefore is identified as the boundary between the base of the lower *M.diversus* and the top of the upper *L.balmei* palynological zones.

Unit 4 therefore includes the lower and middle *M.diversus* palynological zones.