
Biostratigraphic characterisation of stratigraphic sequences in the Malay Basin

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An important key to the successful prediction of new hydrocarbon plays in petroleum exploration is the accurate assessment of depositional systems within a sequence stratigraphic framework.

Many features of depositional systems are reflected by their biostratigraphic character, marine flooding surfaces may be indicated by abundance and diversity maxima of planktonic and benthonic foraminifera and also nannofossils, whereas lowstand, transgressive and highstand depositional systems may be distinguished on the basis of their miospore content.

This paper attempts to examine the biostratigraphic succession for the Malay Basin, and present suggestions as to how depositional systems there may be interpreted through the examination of biostratigraphic and wireline log data.

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