

Poster 6

Detailed sedimentological core logging – an essential step towards understanding reservoir architecture and performance

D. BARR & D. SOO

Core Laboratories Malaysia Sdn. Bhd.

Sedimentological core logging is often considered to be the preserve of geologists and is frequently of little interest to the reservoir engineer. However, this technique of recording core is an essential step towards the understanding of the internal architecture and behaviour of a reservoir. By defining depositional and diagenetic facies, the reservoir can be subdivided into "building blocks". The likely geometry of these blocks can

be interpreted, while their petrophysical and petrographical character can be assessed through laboratory analysis and field evaluation. Core logging can be applied as a tool for improved exploration, delineation, production, development, enhanced oil recovery and simulation strategies. This poster exhibit provides some practical examples of core logs and shows how they have assisted both geological and engineering operations.
