

PERTEMUAN PERSATUAN MEETINGS OF THE SOCIETY

Ceramah Teknik (Technical Talk)

Turbidite sandstone reservoirs: depositional models and exploration experience

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Laporan (Report)

Prof. Howard D. Johnson, Custodian Geology, PETRONAS Carigali, gave the above talk on 17th September 2003 at 5.30 pm at Geology Department, University of Malaya.

Abstrak (Abstract)

Our knowledge of turbidite reservoirs has increased enormously over the past 10 years or so, mainly as a consequence of the success of deep water petroleum exploration and the rapid global expansion in exploring this last major frontier area. This presentation will review the development of depositional models of deep water systems and illustrate how these have been used to improve prediction of turbidite reservoirs in the subsurface, at both the basin and field scales. Examples of subsurface turbidite reservoirs from around the world will be illustrated, including 3D seismic images of the wide range of deep water reservoir bodies. Finally, a case history of the Tertiary of the North Sea basin will be presented to illustrate how different processes influence turbidite sandstone reservoirs, including tectonics, eustasy, basin topography, sediment supply and depositional processes.

