

**Prototype computer-based petroleum geological data base management system (PGDBMS) for the Klias Peninsula and Labuan Island, Sabah, East Malaysia.**

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The Klias Peninsula and Labuan island, which is part of the Northwest Borneo sedimentary basin is situated in the west coast of Sabah, East Malaysia. Extensive field studies followed by

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integrated laboratory investigations have been undertaken by the researcher with the aim of reconstructing the depositional environment and sedimentation history of the area in order to assess their implications on the hydrocarbon potential of the area.

Data gathered is processed and stored digitally by using a computer-based Petroleum Geological Data Base Management System, which is being developed as part of the on-going research.

This paper illustrates that integrated data base management and processing techniques incorporated with GIS graphics data browsing and mapping system can enhance analytical capabilities, presentation and visualisation of exploration geology data.

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