
Dent group and their subsurface equivalent in the offshore Kinabatangan area, East Sabah

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The field studies and seismic interpretation have recently been conducted on the Dent Peninsula and their offshore area, which is known as Exploration Block SB-6 of which Western Mining Cooperation (WMC) is the operator. The studies indicated that the deposition of the Dent group which consists of the Sabahat, Ganduman and Togopi formations are similar from west to east in the offshore as on the onshore area.

On the onshore Dent Peninsula, the Togopi Formation is mainly made up of marls. The Ganduman Formation displays well preserved outcrops of delta plain deposits grading to shallow marine deltaic and holomarine eastward. The argillaceous Sabahat Formation is interpreted to be of holomarine deposit. In the offshore, on seismic, the Ganduman Formation is represented by the well expressed topset, while the Sabahat is represented by the clinof orm and downlap seismic packages. These formations are believed to be derived from an older formation which is not seen on the onshore Dent Peninsula but it is preserved in the offshore Kinabatangan area of Block SB-6. This formation is of age equivalent to the Tanjung Formation which formed the semi-circular basins onshore in Sabah.

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