

ABSTRAK

Cibulakan Atas Formation is one of the reservoir with many hydrocarbon reserves in North West Java Basin. The research layer is Member of Cibulakan Atas formation that call Member of Mid Main Carbonate (MMC) or Member of Main in Cibulakan Atas Formation.

The studied area is TTG field that located in Rengasdengklok Utara Village, Rengasdengklok Subdistrict, Karawang Regency, West Java Province, that located in operation area of P.T. Pertamina EP Asset 3.

Data used in the research are well log data of WL 01, WL 02, WL 06 and WL 10, mudlog data of well WL 06, petrography data of well WL 01, 3 dimension (3D) seismic data and ceckshot data of well WL 01, WL 02 and WL 10.

The studied area is consisted of limestone with 3 lithofasies variation that is mudstone, wackestone and packstone – wackestone. Packstone – wackestone depotition continue at all the studied area, while the mudstone deposite well in the north area. Wackestone deposite well in the south area and disappear in the north area indicate that the land is located in the north area and the marine is located in the south area.

Depositional facies of studied area is Restricted Circulation on Marine Platforms base on Wilson 1975 classification model. It is supported by the continuity of lithofasies depositional that are mudstone, wackestone and packstone – wackestone, the presence of quartz and glauconite mineral and the presence of miliolid fossil.

Keywords : Cibulakan Atas Formation, Member of Mid Main Carbonate (MMC), Restricted Circulation on Marine Platforms

