



Fasies pengendapan dan penyebaran reservoir, lapangan Riendra, Formasi Tanjung, Cekungan Barito, Kalimantan Selatan

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DEPOSITIONAL FACIES AND RESERVOIR DISTRIBUTION

TANJUNG FORMATION, RIENDRA FIELD, BARITO BASIN

SOUTH KALIMANTAN

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ABSTRACT

The Tanjung Field is located in the Tanjung Raya area of the northern Barito Basin, SE Kalimantan, Indonesia. Methods that are used in this research are core discription analysis and well log analysis method that will be processed to be stratigraphic log. From this log will be interpreted litofacies, facies association, sedimentation mekanism and depositional environment interpretation. Based on facies analysis core discription, there are 17 facies in research area, such as: (C), (Fsc), (Ss), (Gp), (Gt), (Fi), (Mm), (Sh), (Sp), (Sm), (Fm), (Sr), (St). There are 4 facies associations, such as: *Distributary Channel*, *Delta Front*, *Delta Plain* and *Fluvial*. From these interpretation, Tanjung Formation's depositional environment is in *Delta Plain*, *Delta Front* and *Fluvial*. Based on core discription and wireline log interpretation, stratigraphy sequence in this area can difine as : FS-1, MFS, SB, FS-2. From stratigraphy sequence identification and log analysis 4 system tracts are defined : LST-1, TST, HST and LST-2. Prospect zones of reservoir A (Top FS-1-Top LST-1) can be found follow Fluvial, and prospect zones of reservoir B (Top SB-Top FS-2) follow Fluvial Channel. Direction of sediment supply is from NW to SE.

Keywords : Facies analysis, depositional environment and reservoir distribution.