

Structural Trap Formation and Petroleum Accumulation in the Northern Part of Central Myanmar Basin: Kyaukkwet / Letpanto Field

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ABSTRACT

The Central Myanmar Basin is the most petroleum prolific basin onshore Myanmar. This article describes the structural trap formation and petroleum accumulation of an oil and gas field in the Central Myanmar Basin. The Kyaukkwet/ Letpanto Field is located at the northern end of Central Myanmar Basin, about 620 kilometers northwest of Yangon. The first exploratory well on the Letpanto structure was drilled by MOC in 1973. Eleven more wells were drilled on the structure, out of which four produced commercial oil and gas. Drilling activities were suspended in 1977 and resumed in 1996. MOGE tested the Kyaukkwet structure by an exploratory well in 1995 and discovered commercial oil and gas in 1996. Since then, drilling activities and seismic surveys were carried out for the development of the field.