

## **Characterization of Natural Gas from Onshore Gas Fields- Apyauk, Nyaungdon, Maubin and Payagon Areas, the Ayeyarwady Delta Basin**

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### **ABSTRACT**

The study areas are located in the eastern flank of the Ayeyarwady Delta Basin, the main onshore natural gas producing region in the Myanmar and also the southernmost onshore subbasin segment of the Central Myanmar Tertiary Basin. The Apyauk gas field lies 45 miles northwest of Yangon City and Nyaungdon, Maubin and Payagon areas are in the south of the Apyauk Field. Apyauk gas field was discovered in 1991 by Myanmar Shell B.V., and has been produced by Myanma Oil and Gas Enterprise with additional drilling for gas development. It is now producing some gas from the deeper part of reservoir. In 1999, the Nyaungdon area has become the main gas producing supplier by successful discovery of the same reservoirs to Apyauk gas field. It also remains a producing area for on-land gas. The newest on-land gas discovery area by MOGE in 2006 is Maubin, south of the Nyaungdon area. The occurrence of gas bearing horizons are quite different with the previous gas fields, Apyauk and Nyaungdon, and apparently similar to the Payagon gas field based on occurrence of gas reservoir distribution. Payagon gas field was discovered in 1959 by testing shallow depths at 4660 feet and deeper at 12,200 feet, which was the early discovery of gas from onshore Myanmar. Gas development had been carried out later and is now abandoned.