

Speculative Pre-Tertiary Petroleum Systems and Play Types of Myanmar

Lynn Myint¹

¹North Petro-Chem Corporation Myanmar Limited

ABSTRACT

Although a large proportion of the world's hydrocarbon reserves is found in Mesozoic age rocks and many oil and gas fields are discovered in the Paleozoic sedimentary basins throughout the world, up to now, Myanmar is still exploring and producing oil and gas from Tertiary petroleum reservoirs only. The Pre-Tertiary basins of the country received minor consideration and remain virtually unexplored. Declining of oil and gas production from Tertiary basins of Myanmar in recent years impels us to start full scale petroleum exploration in Pre-Tertiary basins. In this presentation, available geo-scientific data have been used to decipher tectono-stratigraphy, paleogeography, sedimentation processes and petroleum geological evaluation to define petroleum systems of the pre-Tertiary basins. Besides, implication of various volcanic activities during different periods were also assessed which may be responsible for induced maturity effects towards hydrocarbon generation, migration and accumulations.