

Infracambrian Hydrocarbon Systems and Emerging Hydrocarbon Potential in Bikaner-Nagaur and Jaisalmer Basins (Miajlar sub basin), of Rajasthan.

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The Neoproterozoic, stretching from 1000Ma to the base of the Cambrian at 542 Ma is relatively poorly known from hydrocarbon perspective. The oldest proven hydrocarbon commercial accumulations are in Siberia, Oman & China (Neoproterozoic) etc. Numerous other petroleum shows are reported from Canada, India, Pakistan, Morocco, Venezuela etc. There by, demonstrating the generation and migration of Proterozoic Petroleum world wide.

The interest is rooted in the improved understanding of the prolific “ Infracambrian” intra- salt and pre - salt plays, in the South of Oman salt basin and similar plays actively pursued within age equivalent units to east ie. Western Rajasthan esp. Bikaner-Nagaur basin and Miajlar sub basin.

The possibility of close association of the oil industry with the academia to carryout age determination, correlation and depositional environment etc. for firming up the position of India, Pakistan with reference to Oman during Infracambrian times, which is still debated. These studies will help in a long way in carrying out Infracambrian exploration.