

Fractured and Weathered Basement Reservoirs in East and West Africa – A High Risk but Potentially High Reward Oil and Gas Play

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Abstract

Fractured and weathered basement rocks are important oil and gas reservoirs in various basins in the worldwide. This author has followed this subject very closely for 30 years since working in the early 1980's as a development geologist on the Beruk Northeast basement oil field in Central Sumatra, Indonesia. He has been involved in evaluating other such fields over the years. He has also given many presentations on basement oil and gas fields at conferences worldwide. He hereby shares his knowledge and experience. There is no oil or gas production in sub-Saharan Africa from fractured or weathered basement reservoirs. However, very few wells have been taken deep enough into basement to evaluate its potential.

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