

Transmissibility Evaluation of the Lower Noi Dunes Formation and its Impact over on Field's Development Strategy

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Abstract

Traditional 3D modelling of an Aeolian system like the Lower Noi formation tends to underestimate low productivity zones (interdune) because all information is related to the best productivity zones (dune). This generates an overestimation of the petrophysical characteristics and in situ volumes entailing to a little understanding of the future behavior of the field. Therefore, the development of a three-dimensional model that integrates dune and interdune zones is the key for the understanding how transmissibility can affect recovery factor and well performance.