

Unconventional Plays Analysis and Modeling: Lessons Learned from an Integrated Study of the Lower and Middle Triassic of Western Canada

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ABSTRACT

The challenges that the industry faces and active research to understand and develop self-contained source-reservoir systems have demonstrated that unconventional systems are extremely complex and heterogeneous at all scales. In this paper, we will illustrate an integrated approach from pore- to basin-scale, and from characterization to modeling on a producing case study (Triassic, Western Canada) that could be used as a generic workflow to delineate unconventional plays such as those that exist in the Neuquén Basin.