

Use of Seislog for Basin Evaluation and Field Development

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Generation of synthetic sonic logs (Seislogs) from seismic data can provide lithologic, porosity and in some case fluid content identifications in a variety of geological settings. In this period of high exploratory and development costs, Seislog data can significantly reduce exploration risks and contribute to the planning of drilling programmes in both exploration and development settings.

This paper briefly describes the techniques involved and illustrates examples from a variety of structural and stratigraphic settings. Carbonate examples include North Sea Chalk, fractured limestones in Venezuela, and porosity development in regional deposited limestones of Western Canada. The clastic examples are from Southeast Asia and include deltaic, transitional marine-shoreline and marine facies within Miocene age sediments.
