

Technological Solutions to Deepwater Slope Valley Reservoir Challenges

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ABSTRACT

Development of complex deepwater reservoirs benefits from the use of integrated technological solutions to address specific project uncertainties and needs. Horizontal sinusoidal pilot (HSP) wells provide a rich static data set that can be integrated with 3D and 4D seismic surveys in highly-detailed reservoir models. Automated field surveillance, analysis and optimization workflows provide dynamic performance data that can be used to tune models and interpretation to provide a robust foundation for reservoir management and the enable the identification of new resource development opportunities.