

## **Cased Hole Petrophysics for Gas-Oil Relationship Evaluation**

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### **ABSTRACT**

As the oil and gas industry is moving forward with the optimization of costs, some reservoir challenges in tight gas reservoirs remain critical to increasing productivity. The evaluation of the gas-oil ratio is a key component of the reservoir modeling for field development. A new generation of pulsed-neutron technology enhances the cased-hole petrophysical applications. The technology design, advanced modeling, applications, and interpretation models are demonstrated in this case study.