

Application of probabilistic inversion in Sarawak gas fields

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Probabilistic inversion provides multiple subsurface models consistent with geological, petrophysical, and geophysical knowledge of reservoir. Constrained by seismic data, the multiple realisations of subsurface derived from probabilistic inversion quantifies the uncertainty of reservoir properties. The probabilistic inversion results are used in construction of static reservoir models and uncertainty management for field development of Sarawak gas fields.