



## The Society of Petrophysicists and Well Log Analysts

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### About the Cover

Full-diameter whole-core samples were imaged and segmented for different flow phases. Each phase was populated with effective porosity and permeability to numerically simulate directional permeability at the whole-core level. The computations were performed directly on the whole-core 3D images using Darcy/Brinkman simulator. The two selected samples demonstrate the effects of heterogeneity on the  $K_v/K_h$  values.

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The Society of Petrophysicists and Well Log Analysts is dedicated to the advancement of the science of formation evaluation through well logging and other formation evaluation techniques. SPWLA is dedicated to the application of these techniques, to the exploration and exploitation of gas, oil and other minerals. PETROPHYSICS publishes original contributions on theoretical and applied aspects of formation evaluation; particularly well logging and petrophysics.

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