

SEISMIC INVERSION CAN IMPROVE THE INTERPRETATION RESULTS



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Abstract

The enthusiasm in seismic inversion techniques has been growing steadily over the last couple of years. Integrated studies are important to hydrocarbon development projects and inversion is one of the means to extract additional information from seismic data. Different seismic inversion techniques have been used for reservoir characterization, each having their own advantages.

Seismic inversion facilitates the interpretation of significant geological and petrophysical boundaries in the subsurface. Inversion increases the resolution of conventional seismics in many cases and puts the study of reservoir parameters at a different level. Interpreters need to consider seismic inversion whenever interpretation is complex by interference from nearby reflectors or the end result is to be a quantitative reservoir property.

Chapter # 1

Seismic Methods