عنوان مقاله:

Evaluation of SQp SQs Attributes for Hydrocarbon Reservoir Identification

محل انتشار:

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خلاصه مقاله:

Identification of hydrocarbon formation is quite easily recognized on well log data using certain well log data including gamma-ray and resistivity log. However, to get 3D coverage based on these two logs is mostly impossible due to limited well numbers and costs. To overcome these difficulties, interpreters must use other equivalent data to gamma-ray and resistivity logs from seismic data, which in this case are the proposed AVO attributes SQp and SQs that are formulated from seismic-attenuation rock physics. Where SQp has a similar response with a gamma-ray log which eventually can be used for classifying/identifying facies and SQs response similar to resistivity log even in different reservoir conditions. This study will focus on testing these new attributes on real seismic data and compare them with the existing attribute, evaluate their effectiveness, and check which attribute is more sensitive to hydrocarbon identification.

کلمات کلیدی:

Seismic, Attributes, SQp, SQs, AVO, Inversion

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