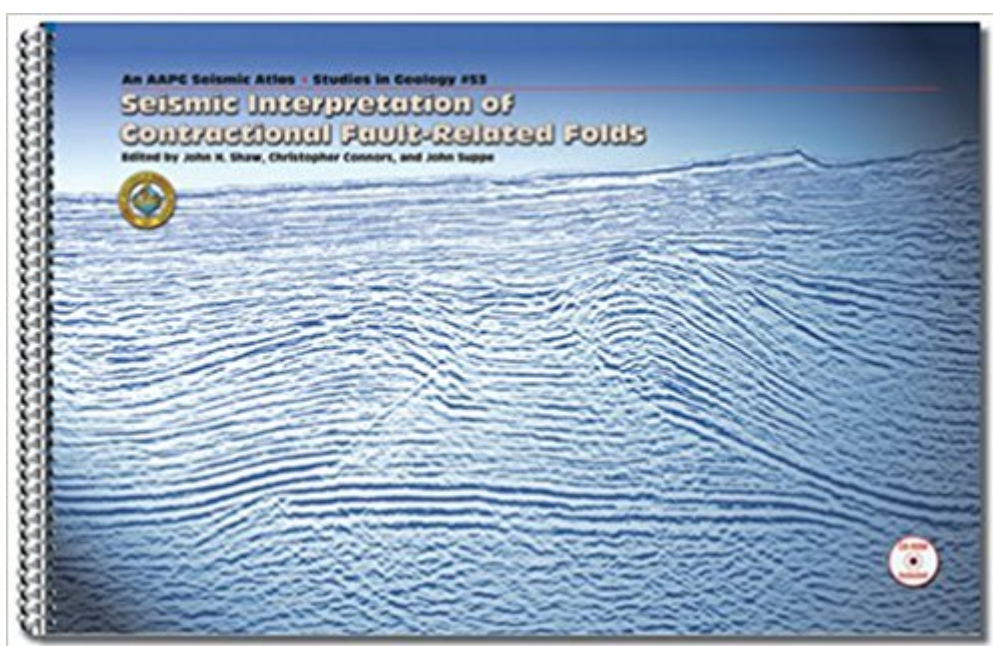


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# Seismic Interpretation Of Contractional Fault-Related Folds: An AAPG Seismic Atlas (AAPG Studies In Geology)



## Synopsis

This AAPG Seismic Atlas serves as an instructional guide and resource for the interpretation of complex structures imaged in seismic reflection profiles using quantitative fault-related folding theories. The emphasis is on contractional fault-related folds, including fault-bend folds, fault-propagation folds, detachment folds, shear fault-bend folds, imbricate thrust systems, and structural wedges. These types of structures form the majority of the large hydrocarbon traps in both orogenic and passive-margin fold and thrust belts worldwide. The Atlas is divided into two complimentary parts. The first section illustrates the application of fault-related folding theories to many well-imaged seismic examples by way of step-by-step interpretations and ubiquitous models. A compilation of 25 case studies from petroleum basins around the world comprises the second section of the Atlas. The volume is intended to assist E&P professionals involved in seismic interpretation for the purposes of trap delineation and reservoir characterization, to aid those who evaluate structural interpretations in order to assign and reduce drilling risks, and to serve as a manual for anyone interested in applying the theories of fault-related folding to seismic interpretation. American Association of Petroleum Geologists (AAPG) Founded in 1917, AAPG is the world's largest professional geological society. AAPG is a pillar of the world-wide scientific community. Our books foster timely scientific research, advance the science of geology and promote the most efficient methods of energy exploration & processing technology and practices available today. Some of the areas we publish in include: Well Log Analysis Geological Modeling Carbonate Petrology Seismic Imaging Reservoir Characterization Regional Petroleum Analysis Tectonics and Sedimentation Stratigraphy

## Book Information

Series: Aapg Studies in Geology

Spiral-bound: 156 pages

Publisher: American Association Of Petroleum Geologists; First Edition edition (August 1, 2004)

Language: English

ISBN-10: 0891810609

ISBN-13: 978-0891810605

Product Dimensions: 0.5 x 16.8 x 10.8 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #673,302 in Books (See Top 100 in Books) #117 in Books > Science & Math

> Earth Sciences > Seismology #160 in Books > Science & Math > Earth Sciences > Earthquakes & Volcanoes

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