

# Seismic Models of Sandstone Stratigraphic Traps in Rocky Mountain Basins

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**Léo Pomar**

A decorative red circular graphic with a gradient, appearing as a partial circle or a stylized 'C' shape, located to the right of the author's name.

## **Seismic Models Of Sandstone Stratigraphic Traps In Rocky Mountain Basins:**

Seismic Models of Sandstone Stratigraphic Traps in Rocky Mountain Basins Robert T. Ryder, Myung W. Lee, Gerald N. Smith, 1981      Seismic Models of Sandstone Stratigraphic Traps in Rocky Mountain Basins Robert T. Ryder, **Sand and Sandstone** F. J. Pettijohn, Paul E. Potter, Raymond Siever, 2012-12-06 The first edition appeared fourteen years ago Since then there have been significant advances in our science that warrant an updating and revision of Sand and Sandstone The main framework of the first edition has been retained so that the reader can begin with the mineralogy and textural properties of sands and sandstones progress through their organization and classification and their study as a body of rock to consideration of their origin prove nance transportation deposition and lithification and finally to their place in the stratigraphic column and the basin The last decade has seen the rise of facies analysis based on a closer look at the stratigraphic record and the recognition of characteristic bed ding sequences that are the signatures of some geologic process such as a prograding shallow water delta or the migration of a point bar on an alluvial floodplain The environment of sand deposition is more closely determined by its place in such depositional systems than by criteria based on textural characteristics the fingerprint approach Our revi sion reflects this change in thinking As in the geological sciences as a whole the concept of plate tectonics has required a rethinking of our older ideas about the origin and accumu lation of sediments especially the nature of the sedimentary basins      *New Publications of the Geological Survey* Geological Survey (U.S.), 1991

**Compartmentalized Reservoirs in Rocky Mountain Basins** Rocky Mountain Association of Geologists. Symposium, 1998      Modeling The Earth For Oil Exploration Klaus Helbig, 2015-07-14 This volume presents an overview of the results of a European Union integrated program in which approximately two hundred earth scientists participated drawn from all fields related to exploration Two classes of modeling were addressed geological modeling the relationship between the conditions of sedimentation and the resulting reservoir conditions and wave propagation modeling the investigation of wave propagation through media of various degrees of complexity Wave propagation modeling was carried out either mathematically or physically with the most modern tools An important aspect of the project was the inversion of seismic data that is the determination of the parameters of the medium from observations This problem is closely related to modeling since it is based on the inversion of the mathematical steps and often uses modeling for verification and updating The geological data presents novel concepts with a coverage that is both broad in area and in discipline The geophysical investigations are at the leading edge of current research Although detailed results have been published separately by investigators this volume is the only source of reference which summarises the results but incorporating sufficient detail to enable the reader to follow the scientific reasoning      *Bibliography and Index of Colorado Geology, 1981-1982* , 1983

*Vertical Seismic Profiling : Technique Applications and Case Histories* A. H. Balch, Myung W. Lee, 1984-09-24

**Interaction of the Rocky Mountain Foreland and the Cordilleran Thrust Belt** Christopher J. Schmidt, William J.

Perry,1988 This volume emphasizes the interaction of the Cordilleran thrust belt and Rocky Mountain foreland in studies of regional structural geology geophysics and sedimentology from west central Montana to Arizona The volume outlines how the nature of the Rocky mountain foreland and its deformation affect the geometry of the Cordilleran thrust belt Many of the structural and geophysical studies reported in this volume also address the question of which structures forland or thrust belt developed first in a specific region and how early formed structures influenced later ones Several chapters address the nature and style of foreland development

**Bibliography and Index of Colorado Geology** ,1987 *Geological Survey Professional Paper* ,1980 New Publications of the U.S. Geological Survey ,1992 *New Publications of the U.S. Geological Survey* Geological Survey (U.S.),1994 Guidebook--1989 Wyoming Geological Association,1989

**Pennsylvanian and Early Permian Paleogeography of the Uinta-Piceance Basin Region, Northwestern Colorado and Northeastern Utah** Samuel Y. Johnson,Marjorie A. Chan,Edith Konopka,Geological Survey (U.S.),1992

**Mesozoic Systems of the Rocky Mountain Region, USA** Mario V. Caputo,James A. Peterson,Karen J. Franczyk,1994  
Who's who in Technology Today ,1980 Petrogenesis and Petrophysics of Selected Sandstone Reservoirs of the Rocky Mountain Region Sanford Sandy Kaplan,1989 **Subject Catalog** Library of Congress,1982 **Fossil Energy Update** ,1985

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