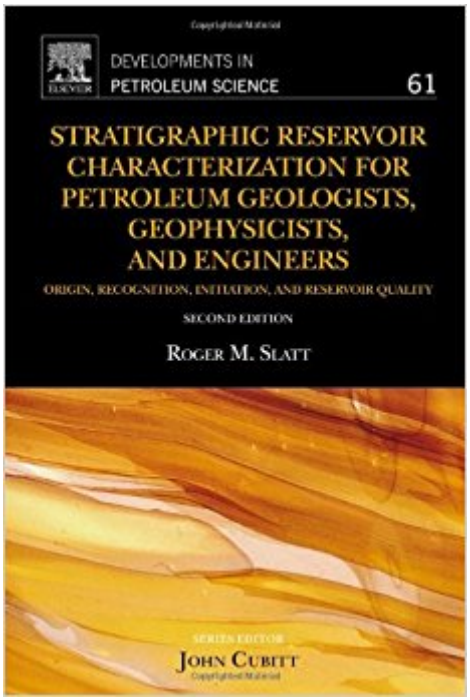
Stratigraphic Reservoir Characterization For Petroleum Geologists, Geophysicists, And Engineers, Volume 61, Second Edition (Developments In Petroleum Science)



Synopsis

Reservoir characterization as a discipline grew out of the recognition that more oil and gas could be extracted from reservoirs if the geology of the reservoir was understood. Prior to that awakening, reservoir development and production were the realm of the petroleum engineer. In fact, geologists of that time would have felt slighted if asked by corporate management to move from an exciting exploration assignment to a more mundane assignment working with an engineer to improve a reservoirÃ¢â ¬â„¢s performance. Slowly, reservoir characterization came into its own as a quantitative, multidisciplinary endeavor requiring a vast array of skills and knowledge sets. Perhaps the biggest attractor to becoming a reservoir geologist was the advent of fast computing, followed by visualization programs and theaters, all of which allow young geoscientists to practice their computing skills in a highly technical work environment. Also, the discipline grew in parallel with the evolution of data integration and the advent of asset teams in the petroleum industry. Finally, reservoir characterization flourished with the quantum improvements that have occurred in geophysical acquisition and processing techniques and that allow geophysicists to image internal reservoir complexities.Practical resource describing different types of sandstone and shale reservoirsCase histories of reservoir studies for easy comparison Applications of standard, new, and emerging technologies

Book Information

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Customer Reviews

The discipline of reservoir characterization is complex, comprehensive, multidisciplinary, and exciting. It promises to increase in usage over time as it becomes necessary to extract more hydrocarbons from existing reservoirs. It also promises many careers for young people entering the petroleum industry, and for more experienced individuals seeking to broaden their horizons.Stratigraphic Reservoir Characterization for Petroleum Geologists, Geophysicists, and Engineers focuses on stratigraphic aspects of clastic reservoir characterization, with emphasis on understanding the primary control that depositional processes and systems exert on reservoir performance, and the extent to which stratigraphic features can be predicted away from the wellbore. The book only deals with structural aspects in a peripheral manner because this topic is very comprehensive and because structural aspects of a reservoir are more dependent upon the tectonic setting, unlike stratigraphic features which can be more clearly defined on the basis of the environment in which they were deposited. Geological modeling is also only peripherally discussed because of the fast pace of evolution of increasingly complex and quantitative modeling programs designed to solve both specific and general reservoir performance problems.

I love this book. I was amazed on how detailed was prof. Slatt into the description of every featured reservoir. I won’t deny that I felt let down when you notice that the pictures in the printed editions are in Black & white, but the digital version has it colored. The effort put in this book to explain the geologipac aspects of reservoir characterization, makes it a must read. (I am an engineer, so the title is too accurate as well).

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