



Carbonate Reservoirs, Volume 67, Second Edition: Porosity and Diagenesis in a Sequence Stratigraphic Framework (Developments in Sedimentology)

By Clyde H. Moore, William J. Wade

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The 2nd Edition of *Carbonate Reservoirs* aims to educate graduate students and industry professionals on the complexities of porosity evolution in carbonate reservoirs. In the intervening 12 years since the first edition, there have been numerous studies of value published that need to be recognized and incorporated in the topics discussed. A chapter on the impact of global tectonics and biological evolution on the carbonate system has been added to emphasize the effects of global earth processes and the changing nature of life on earth through Phanerozoic time on all aspects of the carbonate system. The centerpiece of this chapter—and easily the most important synthesis of carbonate concepts developed since the 2001 edition—is the discussion of the CATT hypothesis, an integrated global database bringing together stratigraphy, tectonics, global climate, oceanic geochemistry, carbonate platform characteristics, and biologic evolution in a common time framework. Another new chapter concerns naturally fractured carbonates, a subject of increasing importance, given recent technological developments in 3D seismic, reservoir modeling, and reservoir production techniques.

- Detailed porosity classifications schemes for easy comparison
- Overview of the carbonate sedimentologic system
- Case studies to blend theory and practice

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Editorial Review

About the Author

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Dr. Clyde H. Moore received his BS degree in Geology from Louisiana State University, Baton Rouge and his MS and PhD degrees from the University of Texas in Austin. He spent a number of years as a research geologist with Shell Development Company in Houston, Texas and Ventura, California. During this period he studied Cretaceous carbonate sequences in Texas, modern clastic coastal depositional environments along the Atlantic coast, and Tertiary clastic sequences in the marginal basins of the Pacific coast. He joined the geology faculty at Louisiana State University in 1966 and retired as Professor Emeritus in 1997. During his tenure at LSU his research interests and the work of his students spanned all aspects of carbonate geology from modern sediments to ancient rock sequences around the world. His main focus in his later years at LSU was the nature and evolution of porosity in carbonate reservoirs. This research was sponsored by an industrial associates program. At present he is a research professor at the Colorado School of Mines in Golden, Colorado. He is an active consultant and teaches industrial seminars for Oil and Gas Consultants Inc (OGCI). His seminars include Carbonate Reservoirs and Sequence Stratigraphy. He was a Distinguished Lecturer for AAPG and recently received the AAPG Distinguished Educator award. He resides in Lakewood, Colorado.

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