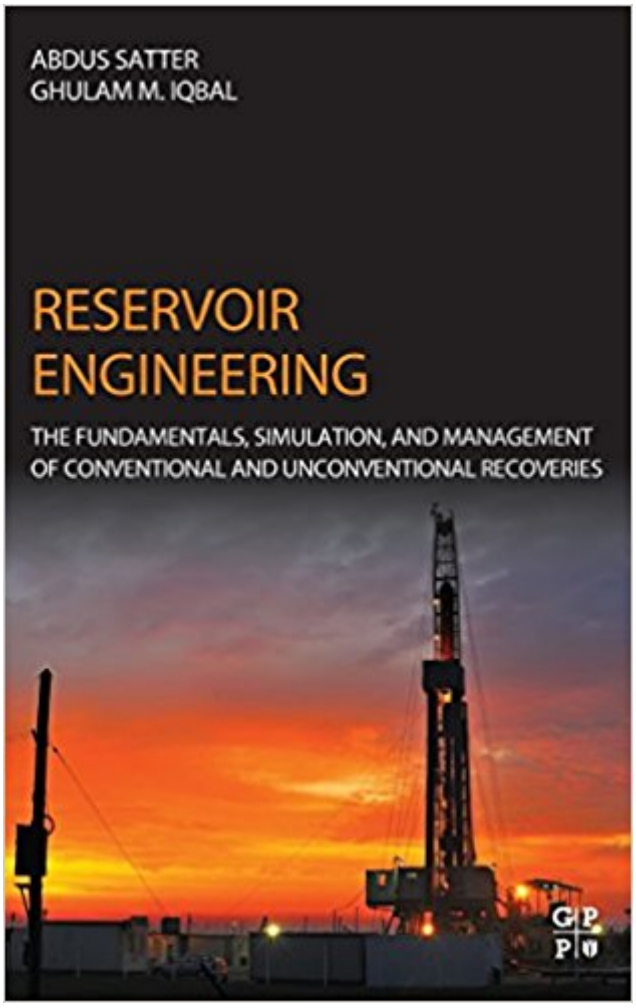
Reservoir Engineering: The Fundamentals, Simulation, And Management Of Conventional And Unconventional Recoveries



Synopsis

Reservoir Engineering focuses on the fundamental concepts related to the development of conventional and unconventional reservoirs and how these concepts are applied in the oil and gas industry to meet both economic and technical challenges. Written in easy to understand language, the book provides valuable information regarding present-day tools, techniques, and technologies and explains best practices on reservoir management and recovery approaches. Various reservoir workflow diagrams presented in the book provide a clear direction to meet the challenges of the profession. As most reservoir engineering decisions are based on reservoir simulation, a chapter is devoted to introduce the topic in lucid fashion. The addition of practical field case studies make Reservoir Engineering a valuable resource for reservoir engineers and other professionals in helping them implement a comprehensive plan to produce oil and gas based on reservoir modeling and economic analysis, execute a development plan, conduct reservoir surveillance on a continuous basis, evaluate reservoir performance, and apply corrective actions as necessary.Connects key reservoir fundamentals to modern engineering applicationsBridges the conventional methods to the unconventional, showing the differences between the two processesOffers field case studies and workflow diagrams to help the reservoir professional and student develop and sharpen management skills for both conventional and unconventional reservoirs

Book Information

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Customer Reviews

Abdus Satter retired from Texaco in 1998 as a senior research consultant after 30 years of service, and he started his own company for engineering consulting and training services. Besides Texaco, he worked for Amoco Petroleum Company, Frank Cole Engineering and taught at the University of Western Ontario and Ahsanullah Engineering College in Bangladesh. He is an expert with 40+ years of experience in reservoir engineering, reservoir simulator development, applications, water flooding an enhanced oil recovery processes. He has taught many reservoir courses in the US and internationally and has authored four other books and many articles. Dr. Satter is a distinguished member of SPE, Legion of Honor and also a Life member. He holds a BS degree in Mechanical Engineering from the University of Dhaka, PE and MS degrees in Petroleum Engineering from the Colorado School of Mines and a PhD in Engineering Science from the University of Oklahoma.Ghulam Iqbal is currently an independent consultant based in Washington, DC. While previously working for Zakum Oil Company, Ghulam collaborated with a highly dedicated team which pioneered the application of multi-lateral horizontal well technology, and his career assignments involved the management of a giant oil field in the Middle East producing over half a million barrels of oil per day. Dr. Iqbal has conducted several hands-on workshops for oil and gas professionals overseas on reservoir engineering, asset management and petroleum basin modeling under the U.S. Agency for International Development program. He has been a member of SPE for over 25 years and is a registered professional engineer in the state of California. He holds a MS and PhD degree, both in Petroleum Engineering, from the University of Oklahoma.

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