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A thorough understanding of rock properties and the rate which fluid flow through them is imperative for the discovery and development of new oil, gas reservoir. The problem is that any new engineers have lack of understanding of the major controlling influences on fluid flow through rocks and soils.

Reservoir Rock Properties and Fluid Flow covers properties of natural rocks and fluids that are important in Petroleum and Natural Gas Engineering. In this book major emphasis is placed on fluid storage in reservoir rocks and in flow of fluids through the rock's pore structure. These phenomena dominate calculations that are common in the areas of reservoir and production engineering. This book is designed for technical professionals and introduces readers to the fundamental as well as the advanced aspects of reservoir engineering. Theoretical concepts coupled with numerous practical case histories are presented to assist reservoir and exploitation engineers in their primary functions-the determination of oil and gas reserves and the maximization of hydrocarbon recovery under primary, secondary, and tertiary schemes.