

# Pressure Transient Testing



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This textbook presents the fundamentals of pressure-transient test analysis and design in clear, simple language and explains the theoretical bases of commercial well-test-analysis software. Test-analysis techniques are illustrated with complete and clearly written examples. Additional exercises for classroom or individual practice are provided. With its focus on physical processes and mathematical interpretation, this book appeals to all levels of engineers who want to understand how modern approaches work.

作者介绍:

目录: Fundamentals of fluid flow in porous media • Introduction to flow and buildup-test analysis • Well-test analysis by use of type curves • Analysis of pressure-buildup tests distorted by phase redistribution • Well-test interpretation in hydraulically fractured wells • Interpretation of well-test data in naturally fractured reservoirs • Drillstem testing and analysis • Injection-well testing • Interference and

pulse testing • Design and implementation of well tests • Horizontal well analysis  
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