

- Chapter 1: Introduction to Petroleum Reservoirs and Reservoir Engineering
- Chapter 2: Review of Rock and Fluid Properties
- Chapter 3: The General Material Balance Equation
- Chapter 4: Single-Phase Gas Reservoirs
- Chapter 5: Gas-Condensate Reservoirs
- Chapter 6: Undersaturated Oil Reservoirs
- Chapter 7: Saturated Oil Reservoirs
- Chapter 8: Single-Phase Fluid Flow in Reservoirs
- Chapter 9: Water Influx
- Chapter 10: The Displacement of Oil and Gas
- Chapter 11: Enhanced Oil Recovery
- Chapter 12: History Matching
- Glossary
- Index