

- </homepage/sad/books/welltest/errata.html> Errata
- Preface
- Online Complement: </homepage/sad/books/welltest>
- Field Examples Data and Analysis
- 1 Principles of Transient Testing
  - 1.1 Introduction
  - 1.2 Typical flow regimes
  - 1.3 Well and reservoir characterization
- 2 The Analysis Methods
  - 2.1 Log-log scale
  - 2.2 Pressure curves analysis
  - 2.3 Pressure derivative
  - 2.4 The analysis scales
- 3 Wellbore Conditions
  - 3.1 Well with wellbore storage and skin
  - 3.2 Infinite conductivity or uniform flux vertical fracture
  - 3.3 Finite conductivity vertical fracture
  - 3.4 Well in partial penetration
  - 3.5 Slanted well
  - 3.6 Horizontal well
  - 3.7 Skin factors
- 4 Effect of Reservoir Heterogeneities on Well Responses
  - 4.1 Fissured reservoirs
  - 4.2 Layered reservoirs with or without crossflow
  - 4.3 Composite reservoirs
  - 4.4 Combined reservoir heterogeneities
- 5 Effect of Reservoir Boundaries on Well Responses
  - 5.1 Single sealing fault in a homogeneous reservoir
  - 5.2 Two parallel sealing faults in homogeneous reservoir
  - 5.3 Two intersecting sealing faults in homogeneous reservoir
  - 5.4 Closed homogeneous reservoir
  - 5.5 Constant pressure boundary
  - 5.6 Communicating fault
  - 5.7 Effect of boundaries in double porosity reservoirs
  - 5.8 Effect of boundaries in double permeability reservoirs
  - 5.9 Effect of boundaries in composite reservoirs
  - 5.10 Other boundary configurations
  - 5.11 Conclusion
- 6 Multiple Well Testing
  - 6.1 Interference tests in reservoirs with homogeneous behavior
  - 6.2 Factors complicating interference tests in reservoirs with homogeneous behavior
  - 6.3 Interference tests in composite reservoirs
  - 6.4 Interference tests in double porosity reservoirs
  - 6.5 Interference tests in layered reservoirs

- 6.6 Pulse testing
- 6.7 Conclusion
- 7 Application to Gas Reservoirs
  - 7.1 Description of gas wells pressure behavior
  - 7.2 Practical transient analysis of gas welltests
  - 7.3 Deliverability tests
  - 7.4 Field example
- 8 Application to Multiphase Reservoirs
  - 8.1 Perrine's method
  - 8.2 Pseudo-pressure method
  - 8.3 Pressure squared method
- 9 Special Tests
  - 9.1 DST
  - 9.2 Impulse test
  - 9.3 Constant pressure test, and rate decline analysis
  - 9.4 Vertical interference test
- 10 Practical Aspects of Well Test Interpretation
  - 10.1 Factors complicating well test analysis
  - 10.2 Interpretation procedure
  - 10.3 Well and reservoir characterisation- interpretation results
- Appendix 1 Summary of Usual Log-Log Responses
- Appendix 2 Practical Metric System of Units
  - Nomenclature
  - References
  - Author Index
  - Subject Index