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""4.1 The Constant Percentage Decline""""4.2 The Continuous Exponential Decline""; ""4.3 Comparing Exponential Declines""; ""4.4 Rate-Cumulative Recovery Curve""; ""4.5 Solution to the Diffusivity Equation""; ""5-The Hyperbolic Decline Curve""; ""5.1 The Arps Hyperbolic Equation""; ""5.2 The Harmonic Equation""; ""6- Interpretation of Field Curves""; ""6.1 Transient and Transition Flow""; ""6.2 Defining Reservoir Character""; ""6.3 Initializing Decline Curves""; ""6.4 When  $b > 1$ ""; ""7-Production Performance Plots""; ""7.1 Fluid Ratio Plots""; ""7.2 Factors Affecting the Shape of the Curve"" ""7.3 The X Plot Method""""7.4 The Fluid Ratio Plotting Method""; ""8- Recent Developments in Decline-Curve Analyses""; ""8.1 Horner Approximation of the Pseudoproducing Time""; ""8.2 Correction of Material Balance Time in Decline-Curve Analyses""; ""8.3 Composite Production Decline-Curve-Analysis Models""; ""8.4 Derivative and Integral Decline-Curve-Analysis Functions""; ""8.5 Production Decline Response of an Unfractured Well in a Closed Reservoir""; ""8.6 Decline-Curve Analyses for Other Types of Wells""; ""8.7 Production Decline-Curve Analysis With Partial or Absent Pressure Record"" ""Nomenclature""""References""; ""Author Index""; ""Subject Index""

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