



Fundamentals of PetroPhysics

By Yang Shenglai

Petroleum Industry Press, 2011. Soft cover. Book Condition: New. 185*260mm. Introduction Section; Physico.chemical Properties of Reservoir Fluids Chapter 1 Chemical Composition and Properties of Reservoir Fluids 1.1 Chemical Properties of Crude Oil 1.2 Physical Properties and Classification of Crude Oil 1.3 Chemical Composition of Natural Gas 1.4 Classification of Oil&Gas Reservoirs 1.5 The Chemical Composition and Classification of Formation water Chapter 2 Natural Gas Physical Properties under High Pressure 2.1 Apparent Molecular Weight and Density of Namral Gas 2.2 Equation of State for Natural Gas and principle of CorreSponding State 2.3 Physical Properties of Natural Gas under High Pressure 2.4 Water Vapor Content of Natural Gas and the Gas Hydrate Chapter 3 Phase State of Reservoir Hydrocarbons and Gas.Liquid Equilibrium 3.1 Phase Behavior of Reservoir Hydrocarbon Fluids 3.2 Gas; Liquid Equilibrium 3.3 Solution and Separation of the Gas in an Oil; Gas System 3.4 Calculation of Oil.Gas Separation Problems Using Phase; State Equations Chapter 4 Physical Properties of Reservoir Fluids under Reservoir Conditions 4.1 High. Pressure Physical Properties of Reservoir; oil 4.2 Physical Properties of Formation Water under High; Pressure 4.3 Measurement and Calculation of High; Pressure Physical Parameters of Reservojr; oil&Gas 4.4 Application of the Fluid High; Pressure Property Parameters; Material Balance Equation of Hydrocarbons in Reservoirs...



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