



Petroleum Reservoir Rock and Fluid Properties (Hardback)

By Abhijit Y. Dandekar

Taylor Francis Inc, United States, 2013. Hardback. Book Condition: New. 2nd Revised edition. 236 x 156 mm. Language: English . Brand New Book. A strong foundation in reservoir rock and fluid properties is the backbone of almost all the activities in the petroleum industry. Suitable for undergraduate students in petroleum engineering, Petroleum Reservoir Rock and Fluid Properties, Second Edition offers a well-balanced, in-depth treatment of the fundamental concepts and practical aspects that encompass this vast discipline. New to the Second Edition * Introductions to Stone II three-phase relative permeability model and unconventional oil and gas resources * Discussions on low salinity water injection, saturated reservoirs and production trends of five reservoir fluids, impact of mud filtrate invasion and heavy organics on samples, and flow assurance problems due to solid components of petroleum * Better plots for determining oil and water Corey exponents from relative permeability data * Inclusion of Rachford-Rice flash function, Plateau equation, and skin effect * Improved introduction to reservoir rock and fluid properties * Practice problems covering porosity, combined matrix-channel and matrix-fracture permeability, radial flow equations, drilling muds on fluid saturation, wettability concepts, three-phase oil relative permeability, petroleum reservoir fluids, various phase behavior concepts, phase behavior of...



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