


# Advanced Petrophysics: Volume 2: Dispersion, Interfacial Phenomena/Wettability, Capillarity/Capillary Pressure, Relative Permeability

*By Ekwere J. Peters PhD PE*

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- Sales Rank: #244427 in Books
- Brand: Brand: Live Oak Book Company
- Published on: 2012-05-15
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x .65" w x 8.50" l, 1.96 pounds
- Binding: Paperback
- 276 pages

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## Editorial Review

About the Author
Dr. Ekwere J. Peters has over 35 years of petroleum engineering experience in field operations, petrophysics, higher education, and research. He was the holder of the Frank W Jessen Endowed Professorship and the George H. Fancher, Jr. Endowed Professorship in Petroleum Engineering at the University of Texas at Austin where he was a faculty member for over 31 years. From 1997–2001, he was the Chairman of the Department of Petroleum & Geosystems Engineering where he provided administrative and academic leadership to the highly ranked department. At the University of Texas, he taught courses in introduction to the petroleum industry, drilling and well completions, production technology and design, advanced pressure transient analysis, petroleum fluid properties, and advanced petrophysics. He has conducted numerous short courses for the petroleum industry in the Unites States, Canada, Nigeria, Mexico, Venezuela, Brazil, Japan, Indonesia, Ecuador, and Trinidad & Tobago. A recognized expert in flow through porous media and petrophysics, he has published papers on various aspects of petroleum engineering based on the results of original research. Dr. Peters established a reputation as an excellent teacher early in his academic career and consistently received very high ratings for teaching effectiveness at the University of Texas and at industry short courses. He has won numerous awards for teaching and professional excellence including the prestigious Texas Excellence Teaching Award, the Petroleum Engineering Teaching Excellence Award in the Cockrell School of Engineering, the Society of Petroleum Engineers International Distinguished Achievement Award for Petroleum Engineering Faculty, and the Society of Petroleum Engineers Distinguished Member Award. His previous petroleum industry affiliations were with Shell-BP Petroleum Development Company Ltd (Nigeria) in drilling and well completions; United Petro Laboratories, Calgary as the manager of a PVT and Core Analysis Laboratory and Amoco Production Company, Houston in pressure transient analysis in tight gas sands. Currently, he is a senior consultant at Afren USA, Inc., Woodlands, where he oversees the company’s educational initiatives. He holds a BSc, 1st class honors, degree in Engineering from Leicester University, an MS and a PhD in Petroleum Engineering from the University of Alberta, and is a registered professional engineer in Texas.

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