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Chapter one deals exclusively with the theory and practice of transient flow analysis and offers a brief but thorough hands-on guide to gas and oil well testing. Chapter two documents water influx models and their practical applications in conducting comprehensive field studies, widely used throughout the industry. Later chapters include unconventional gas reservoirs and the classical adaptations of the material balance equation.

* An essential tool for the petroleum and reservoir engineer, offering information not available anywhere else

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* Written by two of the industry's best-known and respected reservoir engineers



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Advanced Reservoir Engineering By Tarek Ahmed PhD PE Bibliography

- Sales Rank: #2183247 in eBooks
- Published on: 2011-03-15
- Released on: 2011-03-15
- Format: Kindle eBook

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Editorial Review

Review

"Advanced Reservoir Engineering is recommended for upper level or graduate students in petroleum engineering or geology or practicing petroleum engineers." - E-Streams, Vol. 8, No. 3, March 2005

About the Author

Tarek Ahmed, Ph.D., P.E., is currently Founder of Tarek Ahmed and Associates, Ltd., a consulting firm that specializes in in-house petroleum engineering courses and consulting services worldwide. Prior to that, he was a Reservoir Engineering Advisor for Anadarko, Baker Hughes, and Gaffney, Cline and Associates and was a Professor and head of the Petroleum Engineering Department at Montana Tech of the University of Montana for 22 years. He earned his PhD from University of Oklahoma, his Masters from the University of Missouri-Rolla, and a BS from the Faculty of Petroleum in Egypt - all degrees in petroleum engineering. Dr. Ahmed has authored numerous papers and several successful books with Elsevier, including Reservoir Engineering Handbook, 4th Edition.

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