



Working Guide to Petroleum and Natural Gas Production Engineering

By William C Lyons PhD

ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2009.
 Paperback. Book Condition: New. 434 x 155 mm. Language: English . Brand New Book. Working Guide to Petroleum and Natural Gas Production Engineering provides an introduction to key concepts and processes in oil and gas production engineering. It begins by describing correlation and procedures for predicting the physical properties of natural gas and oil. These include compressibility factor and phase behavior, field sampling process and laboratory measurements, and prediction of a vapor-liquid mixture. The book discusses the basic parameters of multiphase fluid flow, various flow regimes, and multiphase flow models. It explains the natural flow performance of oil, gas, and the mixture. The final chapter covers the design, use, function, operation, and maintenance of oil and gas production facilities; the design and construction of separators; and oil and gas separation and treatment systems. * Evaluate well inflow performance* Guide to properties of hydrocarbon mixtures* Evaluate Gas production and processing facilities.



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