

Michael Prats Thermal

The analysis of well tests constitutes one of the most powerful tools for the effective description of a petroleum reservoir and its subsequent management. This requires that the well test be placed in the proper context of related disciplines, especially geoscience, production and reservoir engineering. Modern methods of automated data processing can conceal mathematical limitations and overlook the need for realistic physical and geologic models. This book emphasizes the plausible physical contexts and mathematical models and limitations, and also the importance of realistic geologic models in analysis. Although the book is clearly targeted at petroleum engineers, the approach taken by the authors will no doubt find favour with practitioners in other areas of fluid flow in porous media, such as hydrology and the flow of pollutants. Scattered throughout the book are worked examples of the use of the methods described in the text. It also contains extensive appendices on permeability, application of Laplace transforms to flow equations valid for single and multi-layered systems, convolution and deconvolution, dimensionless parameters and P-theorems, and physical and thermodynamic properties of gases. This book should appeal to students as well as practitioners in industry; many in the latter group may have benefited before from formal exposure to the underlying theory and its limitations in real reservoir environments.

Journal of Petroleum Technology

Proceedings ... SPE Annual Technical Conference and Exhibition

Proceedings

The Canadian Patent Office Record and Register of Copyrights and Trade Marks

Miscible Displacement

Formulas and Calculations for Petroleum Engineering unlocks the capability for any petroleum engineering individual, experienced or not, to solve problems and locate quick answers, eliminating non-productive time spent searching for that right calculation. Enhanced with lab data experiments, practice examples, and a complimentary online software toolbox, the book presents the most convenient and practical reference for all oil and gas phases of a given project. Covering the full spectrum, this reference gives single-point reference to all critical modules, including drilling, production, reservoir engineering, well testing, well logging, enhanced oil recovery, well completion, fracturing, fluid flow, and even petroleum economics.

Presents single-point access to all petroleum engineering equations, including calculation of modules covering drilling, completion and fracturing

Helps readers understand petroleum economics by including formulas on depreciation rate, cashflow analysis, and the optimum number of development wells

Formulas and Calculations for Petroleum Engineering

A Study of the Vertical Counterflow of Viscous Oils and Water in Porous Media

Processes and Operations

Geology of the Midway-Sunset Oil Field and Adjacent Temblor Range, San Joaquin Basin, California

The Canadian Patent Office Record

Thermal Recovery Formulas and Calculations for Petroleum Engineering Gulf Professional Publishing

SPE Drilling Engineering

Steamflood Recovery Prediction by the Application of Neural Networks

SPE Production & Facilities

1983-1994

SPE Reservoir Engineering

Written by foremost experts in the field, and formulated with attention to classroom use for advanced studies in reservoir characterization and processes, this book reviews and summarises state-of-the-art progress in the field of enhanced oil recovery (EOR). All of the available techniques: alkaline flooding; surfactant flooding; carbon dioxide flooding; steam flooding; in-situ combustion; gas injection; miscible flooding; microbial recovery; and polymer flooding are discussed and compared. Together with Volume I, it presents a complete text on enhanced recovery technology and, hence, is an almost indispensable reference text. This second volume compliments the first by presenting as complete an analysis as possible of current oilfield theory and technology, for accomplishment of maximum production of oil. Many different processes have been developed and field tested for enhancement of oil recovery. The emerging philosophy is that no single process is applicable to all petroleum reservoirs. Each must be treated as unique, and carefully evaluated for characteristics that are amenable to one or two of the proven technologies of EOR. This book will aid the engineer in field evaluation and selection of the best EOR technology for a given oilfield. Even the emerging technology of microbial applications to enhance oil recovery are reviewed and explained in terms that are easily understood by field engineers. The book is presented in a manner suitable for graduate studies. The only addition required of teachers is to supply example problems for class work. An appendix includes a reservoir mathematic model and program for general application that can also be used for teaching.

Fundamental And Applied Pressure Analysis

Gazette Du Bureau Des Brevets

Transactions

Pacific Coast Joint Chapter Meeting

In Situ Recovery of Shale Oil Resulting from the UCSD/NSF (RANN) Workshop Held at the University of California, San Diego, September 3 to 7, 1974

Some vols., 1920-1949, contain collections of papers according to subject.

Water-resources Investigations Report

Transactions of the Society of Petroleum Engineers

Canadian Patent Office Record

Transactions of the American Institute of Mining, Metallurgical and Petroleum Engineers

Enhanced Oil Recovery, II

Includes annual cumulative index of inventors and patentees.

Energy Progress

An Official Publication of the Society of Petroleum Engineers

American Scientist

Heavy Oil--a Major Energy Source for the 21st Century
JPT