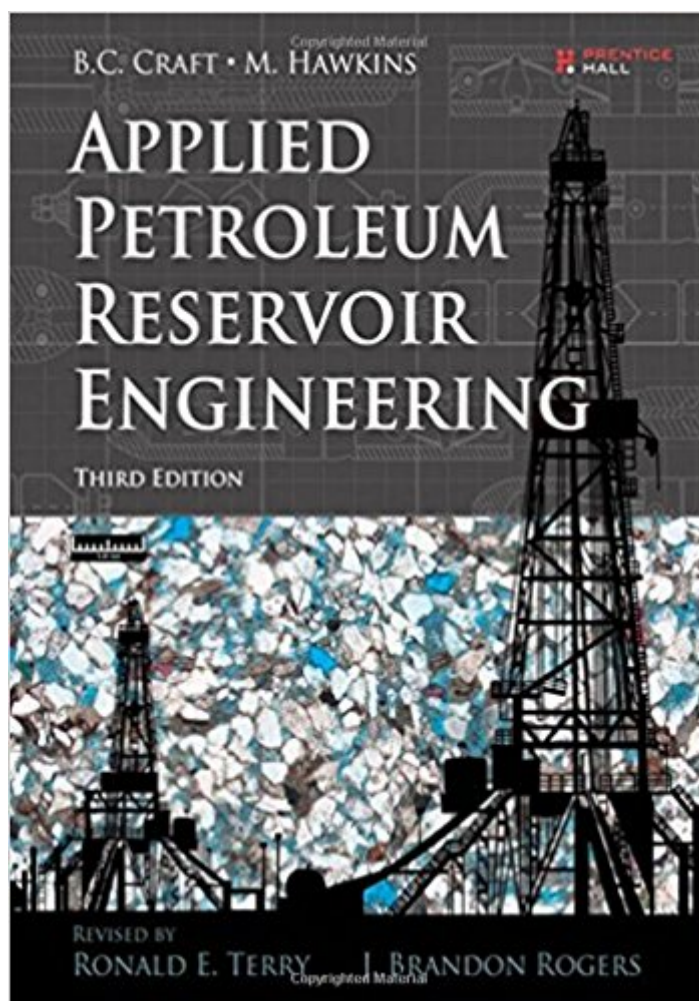




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Applied Petroleum Reservoir Engineering (3rd Edition)



Synopsis

The Definitive Guide to Petroleum Reservoir Engineering – Now Fully Updated to Reflect New Technologies and Easier Calculation Methods – Craft and Hawkins – A classic introduction to petroleum reservoir engineering is now fully updated for new technologies and methods, preparing students and practitioners to succeed in the modern industry. In *Applied Petroleum Reservoir Engineering, Third Edition*, renowned expert Ronald E. Terry and project engineer J. Brandon Rogers review the history of reservoir engineering, define key terms, carefully introduce the material balance approach, and show how to apply it with many types of reservoirs. Next, they introduce key principles of fluid flow, water influx, and advanced recovery (including hydrofracturing). Throughout, they present field examples demonstrating the use of material balance and history matching to predict reservoir performance. For the first time, this edition relies on Microsoft Excel with VBA to make calculations easier and more intuitive. This edition features extensive updates to reflect modern practices and technologies, including gas condensate reservoirs, water flooding, and enhanced oil recovery. Clearer, more complete introductions to vocabulary and concepts – including a more extensive glossary. Several complete application examples, including single-phase gas, gas-condensate, undersaturated oil, and saturated oil reservoirs. Calculation examples using Microsoft Excel with VBA throughout. Many new example and practice problems using actual well data. A revamped history-matching case study project that integrates key topics and asks readers to predict future well production.

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Customer Reviews

Ronald E. Terry has taught chemical and petroleum engineering at the University of Kansas; petroleum engineering at the University of Wyoming; and chemical engineering and technology and engineering education at Brigham Young University, earning teaching awards at each university. He has served as acting department chair, associate dean, and in BYU's central administration. He researched enhanced oil recovery processes at Phillips Petroleum and is past president of the American Society for Engineering Education's Rocky Mountain Section.

~ J. Brandon Rogers, project engineer at Murphy Oil Corporation, holds a degree in chemical engineering from Brigham Young University. There, he studied reservoir engineering using this text's second edition.

There are a few numerical mistakes but all of the concepts are there. Problems are difficult enough to force 100% understanding. Pages in the kindle edition are totally dicked as well.

great book

As described. This book is very well organized, with great examples

Great!

Dear All, Do problems at the end of each chapter in this book 3rd-edition come with the final answer-tip as were in the 1st-edition of the book. Regards!

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