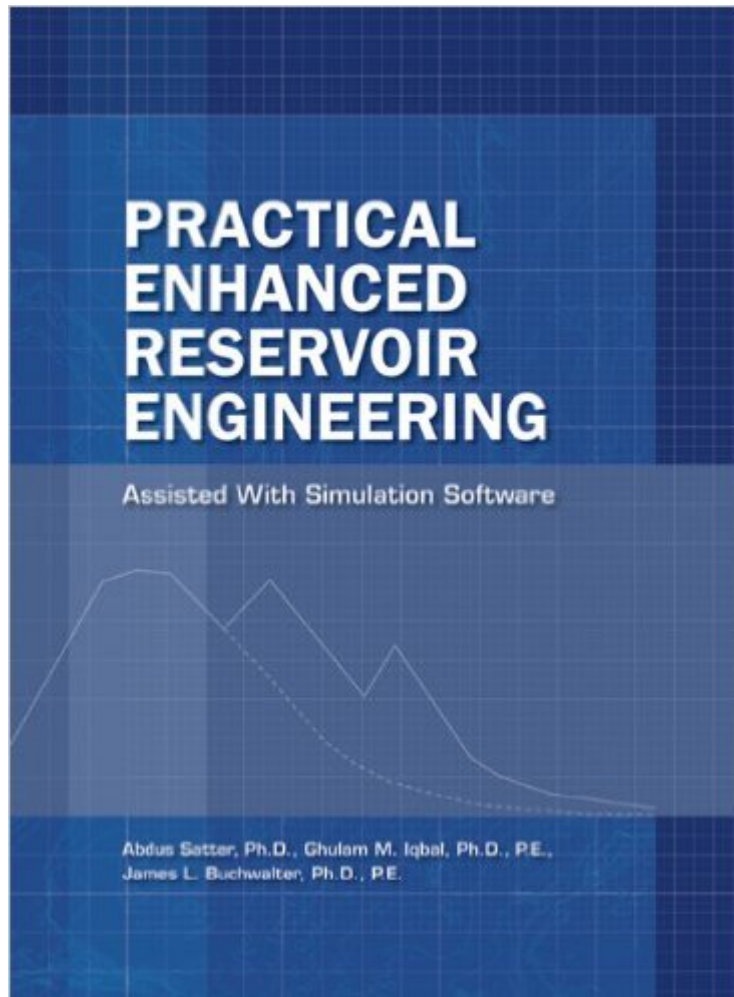


The book was found

Practical Enhanced Reservoir Engineering: Assisted With Simulation Software



Synopsis

This book is intended to be a reservoir engineering book for college students, but it's not the usual college text book. It is a modern and very practical guide offering reservoir engineering fundamentals, advanced reservoir related topics, reservoir simulation fundamentals, and problems and case studies from around the world. It is designed to aid students and professionals alike in their active and important roles throughout the reservoir life cycle (discovery, delineation, development, production, and abandonment), and in the various phases of the reservoir management process (setting strategy, developing plan, implementing, monitoring, evaluating, and completing). **Benefits & Features:** The authors bring to this book their life-long experience and expertise in reservoir engineering and simulation techniques and practice. The goal is to present a comprehensive book, starting from basic principles and leading to real-life reservoir management aided by simulation. This practical book explores the functions of reservoir engineers, and how they analyze, think and work in real life situations. It presents: • Rock and fluid properties, fluid flow principles, well test analysis, and reservoir performance analysis techniques. • New topics such as reserves, reservoir economics, risk and uncertainties, probabilistic methods, and recovery processes. • Role of reservoir simulation models in enhancing basic reservoir engineering concepts and practice. Computer-based tools, including reservoir simulation, are used extensively in this book to illustrate various concepts related to reservoir engineering. Finally, the book offers class projects where the students can apply what they have learned to treat their problems. This book will serve the students and the industry well.

Book Information

Hardcover: 706 pages

Publisher: PennWell Corp.; illustrated edition edition (March 18, 2008)

Language: English

ISBN-10: 1593700563

ISBN-13: 978-1593700560

Product Dimensions: 8.8 x 1.6 x 11 inches

Shipping Weight: 4 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars • See all reviews • (6 customer reviews)

Best Sellers Rank: #1,290,978 in Books (See Top 100 in Books) #323 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #355 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels >

Customer Reviews

This is your general reference book on reservoir simulation. It is mostly up to date (and certainly newer than most other reference books on the topic of reservoir simulation). I purchased this book in the hopes that it may have examples from the Merlin reservoir simulator (from Gemini Solutions; Buchwalter himself is one of the developers). Unfortunately, there were only a few screenshots from the Merlin simulator. The examples in this book may prove to be helpful in lack of data. One redeeming quality of this book is the content you find in the discussion paragraphs that precede and follow the equations and calculations. These discussion areas provide the real "practicality" that's needed in reservoir simulation.

I'm a Chemical Engineering student and I was required to purchase this book for a masters level course (I'm still going for a Bachelors). This book is great, it is widely considered as the encyclopedia for Petroleum Engineering and it was only published a few months ago. Great book, everything is explained in here and there are plenty of examples.

This one delivers as promised. Comprehensive, detailed, and easily read. I wish I had this book 25 years ago.

[Download to continue reading...](#)

Practical Enhanced Reservoir Engineering: Assisted with Simulation Software Enhanced Microsoft Excel 2013: Illustrated Complete (Microsoft Office 2013 Enhanced Editions) New Perspectives on Microsoft Office 2013 First Course, Enhanced Edition (Microsoft Office 2013 Enhanced Editions) The Practice of Reservoir Engineering (Revised Edition), Volume 36 (Developments in Petroleum Science) Fundamentals of Reservoir Engineering, Volume 8 (Developments in Petroleum Science) Applied Petroleum Reservoir Engineering (3rd Edition) Advanced Reservoir Management and Engineering, Second Edition Swift: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in ... mining, software, software engineering,) A Practical Guide to Oil & Gas Resource Characterization For Geologists and Reservoir Engineers Simulation with Arena with CD (McGraw-Hill Series in Industrial Engineering and Management) Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) Software Engineering for Large-Scale Multi-Agent Systems: Research Issues and Practical Applications

(Lecture Notes in Computer Science) Phase Behavior of Petroleum Reservoir Fluids The Frozen Chosen: The 1st Marine Division and the Battle of the Chosin Reservoir (General Military) Colder Than Hell: A Marine Rifle Company at Chosin Reservoir Colder than Hell: A Marine Rifle Company at Chosin Reservoir (Bluejacket Books) One Bugle, No Drums: The Marines at Chosin Reservoir Desert and River in Nubia: Geomorphology and Prehistoric Environments at the Aswan Reservoir Carbonate Reservoir Characterization: An Integrated Approach Seismic Stratigraphy, Basin Analysis and Reservoir Characterisation (Handbook of Geophysical Exploration: Seismic Exploration)

[Dmca](#)