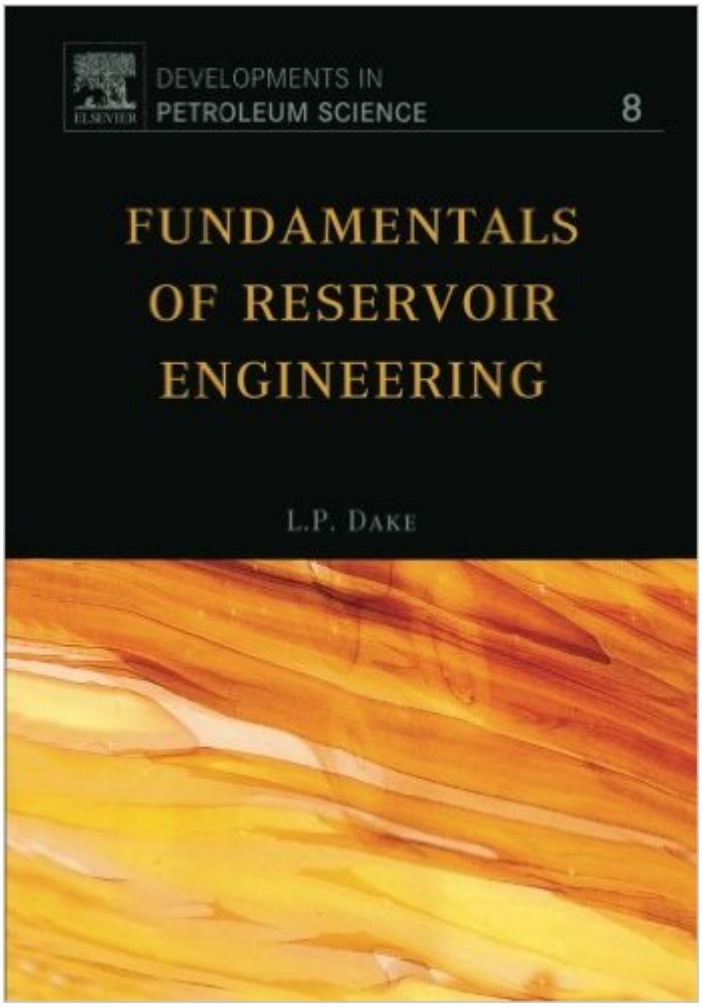
Fundamentals Of Reservoir Engineering, Volume 8 (Developments In Petroleum Science)



Synopsis

"This book is fast becoming the standard text in its field", wrote a reviewer in the Journal of Canadian Petroleum Technology soon after the first appearance of Dake’s book. This prediction quickly came true: it has become the standard text and has been reprinted many times. The author’s aim - to provide students and teachers with a coherent account of the basic physics of reservoir engineering - has been most successfully achieved. No prior knowledge of reservoir engineering is necessary. The material is dealt with in a concise, unified and applied manner, and only the simplest and most straightforward mathematical techniques are used. This low-priced paperback edition will continue to be an invaluable teaching aid for years to come.

Book Information

Series: Developments in Petroleum Science (Book 8)

Paperback: 462 pages

Publisher: Elsevier Science; New impression edition (January 15, 1983)

Language: English

ISBN-10: 044441830X

ISBN-13: 978-0444418302

Product Dimensions: 6.5 x 1 x 9.4 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 starsÂ Â See all reviewsÂ (13 customer reviews)

Best Sellers Rank: #241,012 in Books (See Top 100 in Books) #29 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #35 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Petroleum #213 inÂ Books > Engineering & Transportation > Engineering > Chemical

Customer Reviews

I’m a graduating PE senior specializing in Rez. Before I read this book, I admit that I really didn’t have the best grasp of how the RezE’s different tools fit into each other or into the other disciplines within PE. Enter L.P. Dake! My mentor let me borrow this during my internship, after which I got my own copy.If you’re a student interning or going full-time in RezE, I HIGHLY recommend getting this. Every sentence is rich with insight, and this does what most PE textbooks don’t: discusses *actual oilfield practices* and the approaches to rectify the problems resulting therefrom. Beyond the typical approach of deriving the differential equations and moving on, Dake drills the broad physical fundamentals into the reader then covers the uniquities of certain types of formation, completion,

etc., and how the RE is to modify his/her approach to fit data that is often incomplete and/or misleading.For example, the student who has read this book will not just be able to draw the typical GOR-vs-Pressue diagrams every Intro Rez book should cover, but will also know what can make determining GOR problematic in very light oil reservoirs, and how to handle fluid sample data problems. That makes the general theories (like said diagrams) much more engaging. Dake also shares occasional historical or business anecdotes, which is great.If you learn theories better when they’re related to tangible processes (which describes most of the engineers I’ve met) this book will do well for you.Dake’s language is both precise and accessible. This is rare praise for the writing of a petroleum engineer.One warning though: if you think this review was way too long, you might not enjoy the book. You’re probably right, but this book is WORDY. 500+ pages of mostly full paragraphs. Dig it.

So you want to learn about reservoir engineering? Then you’re going to need the right material. And this book is it. Fundamentals of Reservoir Engineering by Dake is the "bible" of reservoir engineering. Many college courses utilize and require this textbook. also offers this text at a great price, much cheaper than through purchasing from ElSevier.The book starts off with material balance. This is the bread and butter of petroleum science and reservoir engineering. Each chapter thereafter continues to build on different areas of reservoir engineering. I would highly recommend this book.

This is a great classic reference in the area of Reservoir Engineering that can be recommended to anyone working in the area.I would mention, though, that this manufacturing run seems to have had a binding problem. The first 16 page sheets are out of order (e.g. page 3 occurs after page 6). I alerted and returned one book, but the second copy they sent is the same...

I am a mechanical engineer who has no background with geophysics or reservoir engineering, but I have to say that if you have some knowledge on thermodynamics , chemistry and some calculus, this book will really walk you through the fundamentals of Reservoir engineering.It is really thorough and it explains things in a really simple way.Good book for someone who wants to know about this field, and wants to teach herself or himself about it.

This book served as a very deep and efficient reminder on issues I had studied in field of upstream in l’ENSPM at Petroleum Economics and Management course. Might be looking too technical, but

no important point is missed.Really useful and helpful for non-technical people with engineering background in upstream petroleum economics.

This book did a great job in explaining method and the derivation..But the logic is not quit clear as I expected.I should say it is helpful to my class, but as a textbook, it is not enough..

This is one of the best books abour reservoir engineering ever wrote, this men, really knew how to write down the art of reservoir in a very clear and complete language.

Fundamentals of Reservoir Engineering, Volume 8 (Developments in Petroleum Science) Exploring for Oil and Gas Traps (Treatise of Petroleum Geology, Handbook of Petroleum Geology Series) (Treatise of Petroleum Geology, Handbook of Petroleum Geology Series) The Practice of Reservoir Engineering (Revised Edition), Volume 36 (Developments in Petroleum Science) Applied Petroleum Reservoir Engineering (3rd Edition) Hydrocarbon Exploration and Production, Volume 55, Second Edition (Developments in Petroleum Science) Phase Behavior of Petroleum Reservoir Fluids Hydrocarbon Exploration and Production: 55 (Developments in Petroleum Science) New methods and recent developments of the stereochemistry of ephedrine, pyrrolizidine, granatane and tropane alkaloids, (Recent developments in the chemistry of natural carbon compounds) Petroleum Engineering Handbook, Vol. 3 - Facilities and Construction Engineering Practical Enhanced Reservoir Engineering: Assisted with Simulation Software Advanced Reservoir Management and Engineering, Second Edition Biomedical Engineering and Design Handbook, Volume 1: Volume I: Biomedical Engineering Fundamentals Photoelectrochemistry, Photocatalysis and Photoreactors Fundamentals and Developments (Nato Science Series C:) Face Image Analysis by Unsupervised Learning (The Kluwer International Series in Engineering and Computer Science, Volume 612) (The Springer International Series in Engineering and Computer Science) Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) Hop Production, Volume 16 (Developments in Crop Science) Standard Handbook of Petroleum and Natural Gas Engineering, Third Edition Unconventional Oil and Gas Resources: Exploitation and Development (Emerging Trends and Technologies in Petroleum Engineering) Fundamentals of Argumentation Theory: A Handbook of Historical Backgrounds and Contemporary Developments Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs)