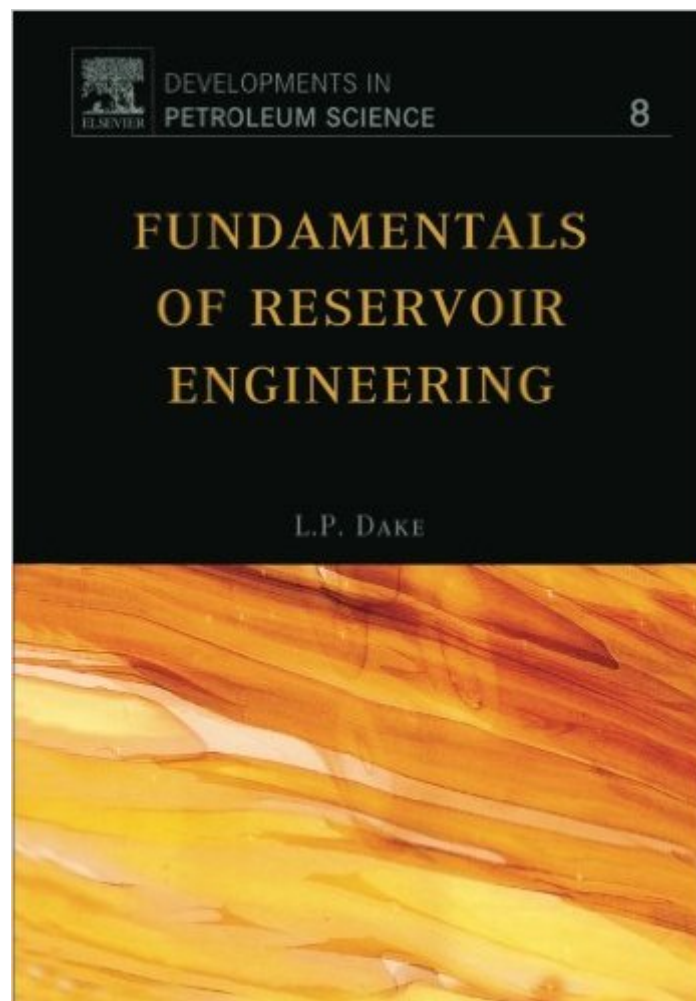


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Fundamentals Of Reservoir Engineering, Volume 8 (Developments In Petroleum Science)



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

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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 unquities 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-Pressure diagrams every Intro Res 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. It 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 quite 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 about reservoir engineering ever wrote, this man, really knew how to write down the art of reservoir in a very clear and complete language.

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