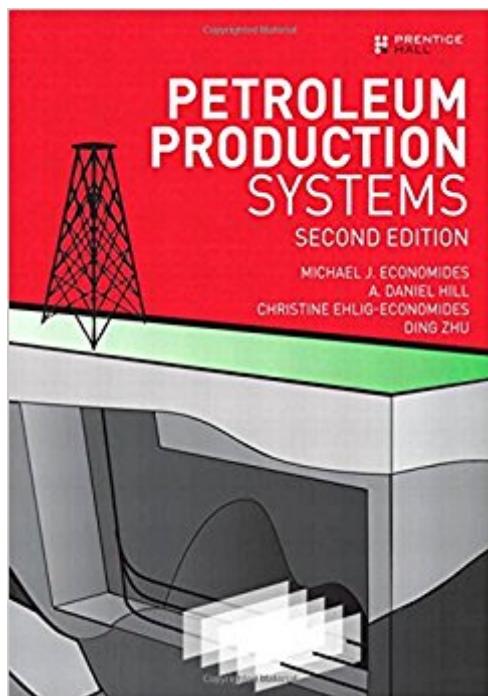


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# Petroleum Production Systems (2nd Edition)



## Synopsis

The Definitive Guide to Petroleum Production Systems—Now Fully Updated With the Industry's Most Valuable New Techniques

Petroleum Production Systems, Second Edition, is the comprehensive source for clear and fundamental methods for about modern petroleum production engineering practice. Written by four leading experts, it thoroughly introduces modern principles of petroleum production systems design and operation, fully considering the combined behavior of reservoirs, surface equipment, pipeline systems, and storage facilities. Long considered the definitive text for production engineers, this edition adds extensive new coverage of hydraulic fracturing, with emphasis on well productivity optimization. It presents new chapters on horizontal wells and well performance evaluation, including production data analysis and sand management.

This edition features

- A structured approach spanning classical production engineering, well testing, production logging, artificial lift, and matrix and hydraulic fracture stimulation
- Revisions throughout to reflect recent innovations and extensive feedback from both students and colleagues
- Detailed coverage of modern best practices and their rationales
- Unconventional oil and gas well design
- Many new examples and problems
- Detailed data sets for three characteristic reservoir types: an undersaturated oil reservoir, a saturated oil reservoir, and a gas reservoir

## Book Information

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## Customer Reviews

Michael J. Economides is professor of engineering at the University of Houston. His work focuses

on optimizing hydrocarbon production from reservoir to market. A leading energy analyst, he is editor-in-chief of Energy Tribune and the Journal of Natural Gas Science and Engineering. A. Daniel Hill is professor in the Harold Vance Department of Petroleum Engineering at Texas A&M University, holds the R.L. Whiting endowed chair, and is a Distinguished Member of the Society of Petroleum Engineers (SPE). Christine Ehlig-Economides is professor in the Harold Vance Department of Petroleum Engineering at Texas A&M University and holds the A.B. Stevens endowed chair. She is a member of the U.S. National Academy of Engineering. Ding Zhu, is associate professor in the Harold Vance Department of Petroleum Engineering at Texas A&M University, holds the W.D. Von Gonten Faculty Fellowship, and is a Distinguished Member of the Society of Petroleum Engineers (SPE).

Great book. Used it for my Nodal class. It was extremely helpful and I am keeping it for myself in my library for future use. It serves as a great reference as I see my graduate friends still use it. PS: It got a mistake in the orifice chapter/lesson.

I purchased this textbook (the 2nd edition) for a Well Completions & Stimulation Course. First - the typos: The majority of the reviews of this book mentioned typos - as I used the 2nd edition, the number I met with wasn't exorbitant. The mistakes found were important bracket(s) left out of a derivation step in an equation and quite memorably a problem that very specifically specified an equation with multiple cosines to be calculated in radians which gave ridiculous values: 45 pissed off minutes later found out it was supposed to be in degrees. So why a 5 star rating? Despite the typos, this is actually a really great all purpose textbook. The "Joy of Petroleum Engineering" if you will. I ended up using it as a reference frequently for other courses, it's not a huge heavy book so it's pretty convenient to grab out to reference a basic equation or chart. It succinctly covers most main petroleum topics as they pertain to production (MBE, phase behavior, relative phase permeability, well deliverability, well damage, gas properties, skin) without going into extraneous detail. Classmates complained about it being "unreadable" (we were required to read sections for pre-class work by instructor). What the f\*ck? I have yet to find an engineering textbook that reads like Harry Potter. Good fundamental petroleum engineering text. Maybe the author will advantage of low oil and pays a couple laid-off engineers peanuts to do clean up the remaining typos.

I am happy with the text content itself. But the book is abysmally well made. My first time using it 10 pages in the index fell right out, and the problem has only gotten worse, the binding is terrible.

Having a book falling apart is not what I expect from Prentice Hall or of a \$100 plus book. I wish I had returned it when I still had the chance.

Excellent text book for the subject matter involved.

Great book for production systems, it gives you all the basics you'll need, everything from IPR, to artificial lift, to completions and fracturing to increase production. There are a few equations here and there that must have been carryovers from the 1st edition that aren't clear in the 2nd where they came from, but that can be accounted for most of the time, or if you have access to OnePetro, you can go look at the sources or monographs themselves that the chapters were derived from.

ok

Good book

I have absolutely no regrets buying this book. You can't go wrong with this book. and will definitely recommend to a colleague.

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