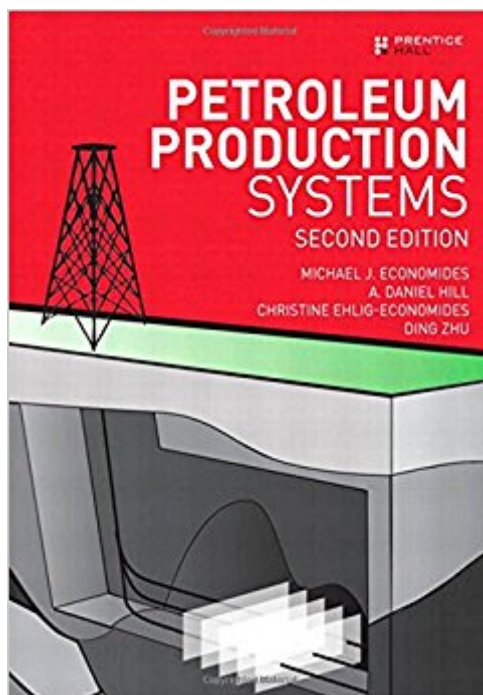


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# Petroleum Production Systems (2nd Edition)



## Synopsis

The Definitive Guide to Petroleum Production Systemsâ “Now Fully Updated With the Industryâ™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

I just finished my final for the class that this was my textbook. The typos are so serious. I often found the typos in important formulas and equations as well as numbers in calculation. Thus, I frequently

searched in the website to verify whether I have problem with my understanding or the book made typos. 90% of my question to the prof was caused because of the typos in the book. Mine is the first printing and some others who has second printing finds less typos, but still a lot. Moreover, the corrected points corresponded well with some problems in the book, but it made new contradictions with other problems. As an example, the oil formation volume factor on appendix B graph shows 1.46. But right above it, it is mentioned as 1.5 which is a significant difference. On the second printings of my friends, it is corrected as 1.46. However, on some problems using this appendix, the problems still solved with 1.5. I just spent so much time figuring out the errors in this book this semester. Although I was super busy.... I would never recommend this book to anyone else.

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.

This book is really great and complete, but it has many mistakes on it. I am actually taking classes with one of its authors and we were told this, so if you are not on a rush, I would wait for some errata or something.

For the record, I don't recall ever encountering more typos than usual. I thought the book was really good as I was forced to teach myself with it and it worked well for that. My one major gripe is the questions at the end of each chapter. They were very poorly prepared. That's where all of our assignments came from in my class and I remember there being a lot of questions that the book didn't ever explain how to solve.

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.

Sadly, E-books does not contain the PSS software to test examples and equations in the extbook. I cannot find to download the PSS software.

The material is presented reasonably well. But the typos make to many of sample problems impossible. It is alright if you have a professor to correct them all as you work through the chapters, but if you try to self study you will be out of luck.

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