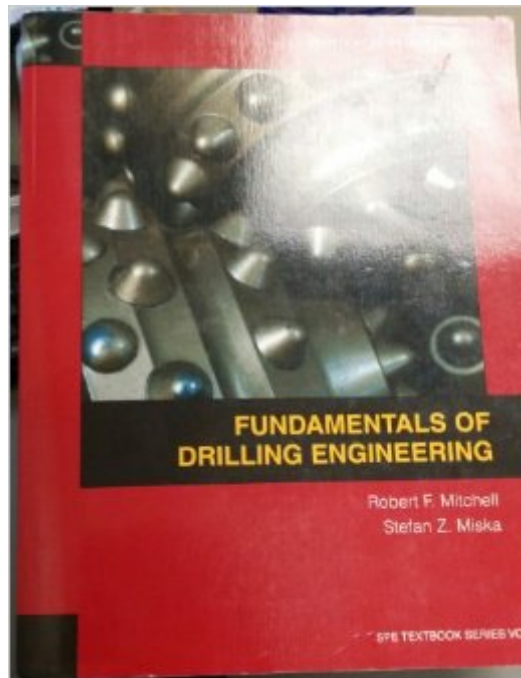


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# Fundamentals Of Drilling Engineering (Spe Textbook Series)



## Synopsis

Introduction to rotary drilling • Introduction to geomechanics in drilling • Drilling fluids • Cementing • Drilling hydraulics • Rotary drilling bits • Casing design • Directional drilling • Fundamentals of drillstring design • Drilling problems

## Book Information

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## Customer Reviews

SPE TEXTBOOK SERIES VOL 12, Fundamentals of Drilling Engineering is the most recent SPE drilling textbook. Not yet as popular as its predecessor VOL 2 (it's only been out since 2011, give it time), it has improved upon VOL 2 in many ways. Crystal-clear pictures. Diagrams of readable size. It also takes pains to teach the subject. Written for university upperclassmen, it's technical but not overly so for engineers of moderate experience. Subjects covered: Rotary drilling, Geomechanics, Drilling Fluids, Cementing, Drilling hydraulics, Rotary drilling bits, Casing design, Directional drilling, Drillstring Design, Drilling Problems. 200 pages longer than VOL 2 (700 versus 500 pages) and weighing in at nearly 3.5 lbs, it's the real deal. The extra length is because: a) It is a better teaching textbook with lengthy explanations. b) It has clear, large photos, and neatly drawn pictures and diagrams. c) Recent technology is included. d) Written by multiple authors, it is not as crisp and streamlined as VOL 2. e) Drillstring Design, Directional Drilling, and Drilling Problems Chapters are superior. f) It has API SPEC in each chapter (this is valuable for the PE Exam). Note that all these extras make the book somewhat unwieldy and floppy. It's not the kind

of book one would want to lug around the field. I generally dislike books with each chapter written by a different author, but the quality and style of VOL 12 is fairly consistent throughout making it easy to ignore the mixed-author issue. Mitchell and Miska did a fabulous job building consistency between the author's styles. In contrast, VOL 2 had only four authors who didn't split up the chapters, making VOL 2 a tighter product.

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