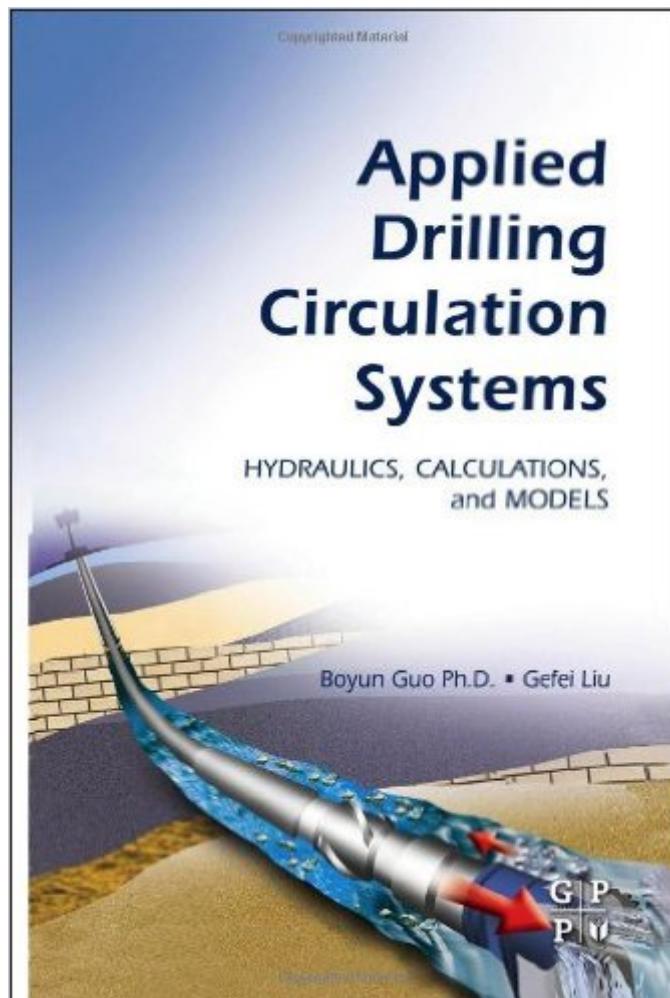


The book was found

Applied Drilling Circulation Systems: Hydraulics, Calculations And Models



Synopsis

Used to clean the borehole, stabilize rock, control pressures, or enhance drilling rates, drilling fluids and their circulation systems are used in all phases of a drilling operation. These systems are highly dynamic and complicated to model until now. Written by an author with over 25 years of experience, *Applied Drilling Circulation Systems: Hydraulics, Calculations and Models* provide users with the necessary analytical/numerical models to handle problems associated with the design and optimization of cost-effective drilling circulation systems. The only book which combines system modeling, design, and equipment, *Applied Drilling Circulation Systems: Hydraulics, Calculations and Models* provides a clear and rigorous exposition of traditional and non-traditional circulation systems and equipment followed by self contained chapters concerning system modelling applications. Theories are illustrated by case studies based on the author's real life experience. The book is accompanied by a website which permits readers to construct, validate, and run models employing Newtonian fluids, Bingham Plastic fluids, Power Law fluids, and aerated fluids principles. This combination book and website arrangement will prove particularly useful to drilling and production engineers who need to plan operations including pipe-tripping, running-in casing, and cementing. In-depth coverage of both on- and offshore drilling hydraulics. Methods for optimizing both on- and offshore drilling hydraulics. Contains problems and solutions based on years of experience.

Book Information

Hardcover: 272 pages

Publisher: Gulf Professional Publishing; 1 edition (March 24, 2011)

Language: English

ISBN-10: 0123819571

ISBN-13: 978-0123819574

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars (See all reviews) (3 customer reviews)

Best Sellers Rank: #1,315,040 in Books (See Top 100 in Books) #126 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Drilling Procedures #334 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #359 in Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics

Customer Reviews

This book is concise and it covers exactly what is described in the title. It is intended for people that need to be able to model drilling circulation systems at a practical level. As a small drilling company with a good engineering background, this book gave us the overview and details we needed to understand our drilling circulation system and start making improvements. There are lots of references if you need additional information regarding the derivation of a specific equation. This is not a book on drilling muds, although it does have some detail regarding various fluid properties. If you need details on how to mix up a mud with specific properties, this is not the book you need.

While this reference provides great insight to how and why mud properties are set, it is probably more suited to Mud Engineers than Derrickmen

Good product.

[Download to continue reading...](#)

Applied Drilling Circulation Systems: Hydraulics, Calculations and Models Formulas and Calculations for Drilling, Production, and Workover, Fourth Edition: All the Formulas You Need to Solve Drilling and Production Problems Formulas and Calculations for Drilling, Production, and Workover, Third Edition: All the Formulas You Need to Solve Drilling and Production Problems A Primer of Oilwell Drilling: A Basic Text of Oil and Gas Drilling Oil Spill Risk Management: Modeling Gulf of Mexico Circulation and Oil Dispersal Bypassing Bypass Surgery: Chelation Therapy: A Non-surgical Treatment for Reversing Arteriosclerosis, Improving Blocked Circulation, and Slowing the Aging Process Chelation Can Cure: How to Reverse Heart Disease, Diabetes, Stroke, High Blood Pressure and Poor Circulation Without Drugs or Surgery Resource Sharing Today: A Practical Guide to Interlibrary Loan, Consortial Circulation, and Global Cooperation Contemporary Latina/o Media: Production, Circulation, Politics Auto Mechanic - Brake Systems (Mechanics and Hydraulics) Microsoft Excel 2013 Building Data Models with PowerPivot: Building Data Models with PowerPivot (Business Skills) Stochastic Models, Information Theory, and Lie Groups, Volume 2: Analytic Methods and Modern Applications (Applied and Numerical Harmonic Analysis) Applied Regression Analysis and Generalized Linear Models Mathematical Biology II: Spatial Models and Biomedical Applications (Interdisciplinary Applied Mathematics) (v. 2) Engineering a Safer World: Systems Thinking Applied to Safety (Engineering Systems) Diamond Drilling for Gold and Other Minerals; a Practical Handbook on the Use of Modern Diamond Core Drills in Prospecting and Exploiting Mineral-bearing ... of the Cost of Apparatus and of Working Deep Water: The Gulf Oil Disaster and the Future of Offshore Drilling, Report to the President, January 2011 Horizontal

Directional Drilling (HDD): Utility and Pipeline Applications (Civil Engineering) Practical Well Planning and Drilling Manual Experimental Study On Delamination, Mechanical Loads and Tool Wear in Drilling of Woven Composite Laminates (ISF Publications Series)

[Dmca](#)