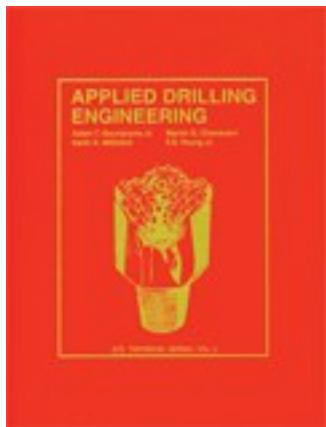


# Applied Drilling Engineering



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An industry and academic standard, this textbook presents engineering science fundamentals as well as examples of engineering applications involving those fundamentals. Two appendices are included, along with numerous examples.

Contents: Rotary drilling ● Drilling fluids ● Cements ● Drilling hydraulics ● Rotary drilling bits ● Formation pore pressure and fracture resistance ● Casing design ● Directional drilling and deviation control ● Appendix: Development of equations for non-Newtonian liquids in a rotational viscometer ● Appendix: Development of slot flow approximations for annular flow for non-Newtonian fluids

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Adam T. Bourgoyne Jr. is Campanile Professor of Offshore Drilling and Petroleum Engineering at Louisiana State U., where he earned BS and MS degrees in petroleum engineering. He was chairman of the Petroleum Engineering Dept. during 1977-83. Bourgoyne also holds a PhD degree in petroleum engineering from the U. of Texas. He

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Keith K. Millheim is manager of the Critical Drilling Facility for Amoco Production Research Co. in Tulsa. He earned a as degree from Marietta (OH) C. and an MS degree from the U. of Oklahoma, bOlh in petroleum engineering. Millheim is an SPE Distinguished Member, 1984 Drilling Engineering Award winner, and the 1965 National SPE Graduate Paper winner. Millheim served as chairman of the 1981 Annual Drilling Technology Technical Program Committee and was a member during 1978- 84. He was chairman of the Directional Drilling Forum in 19M3 and served as a member of the Editorial Review Committee during 1980-82. Millheim is a Distinguished Lecturer for 1986-87 and is the Executive Editor for SPE Drilling Engineering.

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## 评论

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