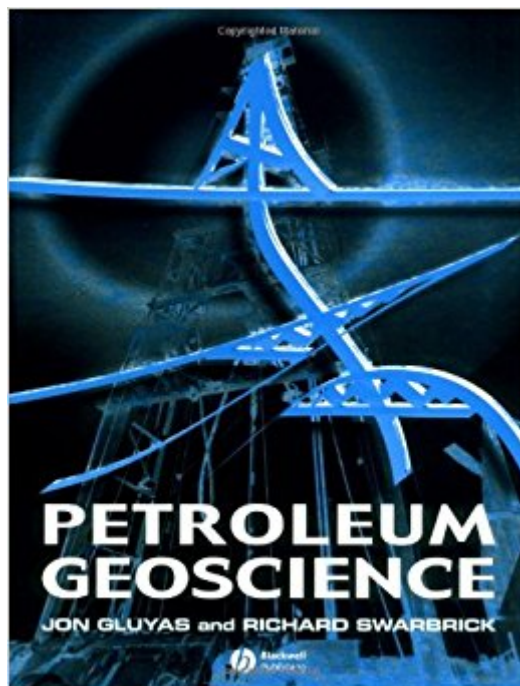


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# Petroleum Geoscience



## Synopsis

Petroleum Geoscience is a comprehensive introduction to the application of geology and geophysics to the search for and production of oil and gas. Uniquely, this book is structured to reflect the sequential and cyclical processes of exploration, appraisal, development and production. Chapters dedicated to each of these aspects are further illustrated by case histories drawn from the authors' experiences. Petroleum Geoscience has a global and 'geo-temporal' backdrop, drawing examples and case histories from around the world and from petroleum systems ranging in age from late-Pre-Cambrian to Pliocene. In order to show how geoscience is integrated at all levels within the industry, the authors stress throughout the links between geology and geophysics on the one hand, and drilling, reservoir engineering, petrophysics, petroleum engineering, facilities design, and health, safety and the environment on the other. Petroleum Geoscience is designed as a practical guide, with the basic theory augmented by case studies from a wide spread of geographical locations. Covers all the key aspects of the origin of petroleum, exploration, and production. It takes account of the modern emphasis on the efficient utilisation of reserves, on new methods in exploration (such as 3-D seismics). Book takes 'value-chain' approach to Petroleum Geoscience. First new text on petroleum geology for geology undergraduates to be published in the last ten years. Packed full of real-life case studies from Petroleum industry.

## Book Information

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## Customer Reviews

"Despite the importance of Geology in the exploitation of hydrocarbon resources, there are

remarkably few texts that explain in any detail exactly how a geoscientist goes about doing this job...The publication now of Petroleum Geoscience is therefore extremely welcome. Its coverage is both wide and deep, and it is right up-to-date with advances in technology and methods of practice...The authors bring to this book a wealth of personal practical experience and understanding gained from their own time working in oil companies and on research. As well as covering the theory, they make excellent use of examples to bring home the key points. Published examples are supplemented by extensive amounts of previously unpublished material from the oil company BP and with their own insights from involvement in many of these projects. Clearly illustrated is how academic enthusiasm has to be tempered by economic realism." Colin North, University of Aberdeen, Teaching Earth Sciences, 2003

Petroleum Geoscience is a comprehensive introduction to the application of geology and geophysics to the search for and production of oil and gas. Uniquely, this book is structured to reflect the sequential and cyclical processes of exploration, appraisal, development, and production. Chapters dedicated to each of these aspects are further illustrated by case histories drawn from the authors' experiences. Petroleum Geoscience has a global and geotemporal backdrop, drawing examples and case histories from around the world and from petroleum systems ranging in age from late Precambrian to Pliocene. In order to show how geoscience is integrated at all levels within the industry, the authors stress throughout the links between geology and geophysics on the one hand, and drilling, reservoir engineering, petrophysics, petroleum engineering, facilities design, and health, safety, and the environment on the other.

This is one of the newest books on petroleum geosciences. It is a bit too advanced for beginners; consequently, I would not use it as a stand-alone text for an upper-level undergraduate course in petroleum geology, especially for students with diverse academic backgrounds. I would use it as a complementary text because it covers up-to-date material not in other books on the subject, most of which are years - if not decades - older than this one. This book also includes material on geophysics and especially on borehole logging, including the newer types of devices and the logs they produce. The authors are professionals and know what they're doing. This is a good reference with material not in Selley, North, or Levorsen.

A book for an introduction to petroleum geoscience, be prepared for diagrams with little to no explanation

considering it was a library book it arrived in a much better state than I expected. Also in half the maximum waiting time!

A great resource

It is a nice book, well written. But most of the examples are UK north sea stuff, very little north america examples. The pictures are printed in black and white and some of the color pictures were not distinguishable.

I was very pleased with this purchase, it came on time and in mint condition. If you are new to the petroleum industry or are simply interested in learning how the industry works, I cannot suggest this textbook more.

I bought this book for my fiance, a geology major, for Christmas. He absolutely loved it. He has read it front to back and then over again, I'm sure. Great for any geologist, but especially those looking into Petroleum Geology. Very insightful.

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