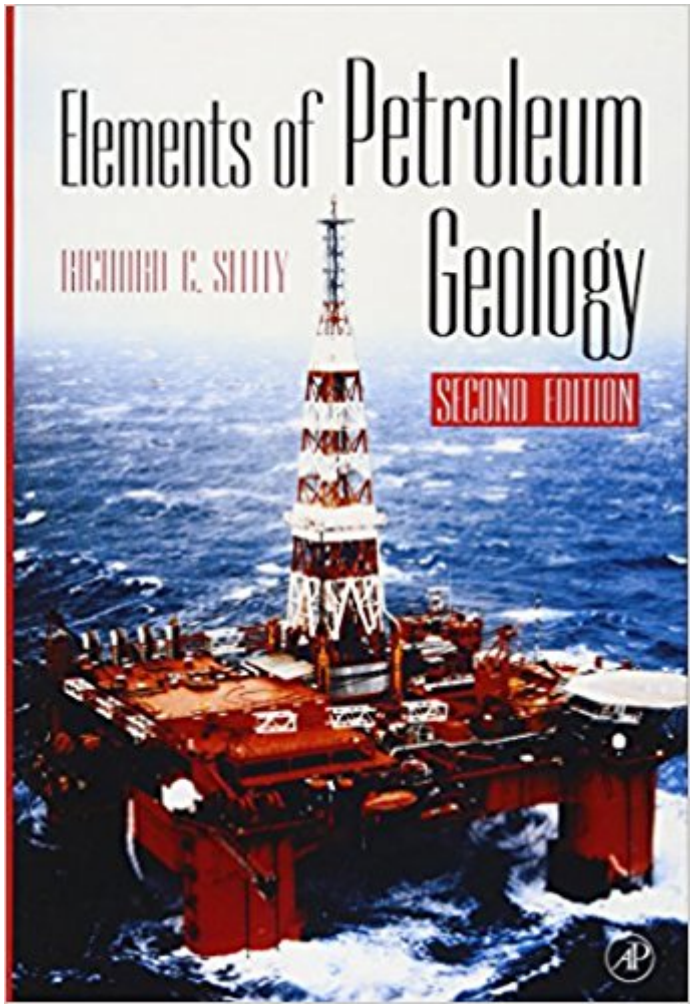
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# Elements Of Petroleum Geology, Second Edition




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## Synopsis

This third edition of Elements of Petroleum Geology is completely updated and revised to reflect the vast changes in the years since publication of the First Edition. This book is a useful primer for geophysicists, geologists, and petroleum engineers in the oil industry who wish to expand their knowledge beyond their specialized area. It is also an excellent introductory text for a university course in petroleum geoscience.  Elements of Petroleum Geology begins with an account of the physical and chemical properties of petroleum, reviewing methods of petroleum exploration and production. These methods include drilling, geophysical exploration techniques, wireline logging, and subsurface geological mapping. After describing the temperatures and pressures of the subsurface environment and the hydrodynamics of connate fluids, Selley examines the generation and migration of petroleum, reservoir rocks and trapping mechanisms, and the habit of petroleum in sedimentary basins. The book contains an account of the composition and formation of tar sands and oil shales, and concludes with a brief review of prospect risk analysis, reserve estimation, and other economic topics.Updates the first edition completelyReviews the concepts and methodology of petroleum exploration and productionWritten by a preeminent petroleum geologist and sedimentologist with 30 years of petroleum exploration in remote corners of the worldContains information pertinent to geophysicists, geologists, and petroleum reservoir engineers

## Book Information

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## Customer Reviews

"...this book is extremely well written and easy to read...I would highly recommend this book as an

excellent introduction to the field in university courses, to those new in petroleum industry, to nongeoscientists working with geologists, and those interested in a review of petroleum geology. I recommend Selley’s text for its easy and clear text and 332 illustrations, especially for college students and those interested in concise review. This text will carry forward aspects of petroleum geology into the XXI century."--Marcio R. Mello, Center of Excellence of Geochemistry"This comprehensive, stimulating book conveys information with intelligence, clear illustrations, and marvelous wit. The author writes with clarity and authority and with a grasp of the subject matter that is lightly presented."--Fouad Michael, Western Geophysical, Houston, Texas, THE LEADING EDGE"...an authoritative piece of work written by an author with over 30 years experience. If you require an overview of petroleum geoscience, I recommend you buy the Elements of Petroleum Geology."--Giancario Rizzi, Core Carbonates, PESGB REVIEW"Works well as a college-level introductory text and as a reference for informed nongeologists, such as geophysicists or petroleum engineers."--AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS"An excellent [and] very readable text for final year undergraduates."--NATURE"An excellent book, ideal for the inexperienced, and a good review for those who have been around for a while."--SOCIETY OF EXPLORATION GEOPHYSICISTS"An introductory text for university courses in petroleum goescience, also useful as a reference for professional petroleum geoscientists and engineers. Emphasis is on petroleum geology, with additional material on geophysics and petroleum reservoir engineering. Coverage includes methods of exploration, the subsurface environment, generation and migration of petroleum, sedimentary basins and petroleum systems, and nonconventional petroleum resources. Includes black and white photos, many tables, maps, and diagrams, a glossary, and an appendix of units and conversion factors. This edition takes into account advances in concepts and technology over the past 15 years."--REFERENCE & RESEARCHING BOOK NEWS"An authoritative piece of work written by an author with over 30 years experience of petroleum geoscience, I recommend you to buy Elements Of Petroleum Geology."--PETROLEUM EXPLORATION SOCIETY OF GREAT BRITAIN

In the fifteen years since the highly successful first edition of Elements of Petroleum Geology was written, there have been many advances in the concepts and technology of petroleum geoscience. The second edition has been extensively rewritten and updated to reflect these advances. Nonetheless it has the same objective as the first edition: to serve as an introductory text for university courses in petroleum geoscience, and as a primer for professional petroleum geoscientists and engineers who wish to expand their knowledge base beyond their own specialist

area.

It is a useful, well written and fairly complete introductory book to Petroleum Exploration but it is somewhat outdated; good anyway to have it on the shelf for a quick reference.

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