



## Elements of Petroleum Geology, Second Edition

By Richard C. Selley

Download now

Read Online ➔

### Elements of Petroleum Geology, Second Edition By Richard C. Selley

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 completely
- Reviews the concepts and methodology of petroleum exploration and production
- Written by a preeminent petroleum geologist and sedimentologist with 30 years of petroleum exploration in remote corners of the world
- Contains information pertinent to geophysicists, geologists, and petroleum reservoir engineers

↓ [Download Elements of Petroleum Geology, Second Edition ...pdf](#)

📖 [Read Online Elements of Petroleum Geology, Second Edition ...pdf](#)



# Elements of Petroleum Geology, Second Edition

*By Richard C. Selley*

## Elements of Petroleum Geology, Second Edition By Richard C. Selley

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 completely
- Reviews the concepts and methodology of petroleum exploration and production
- Written by a preeminent petroleum geologist and sedimentologist with 30 years of petroleum exploration in remote corners of the world
- Contains information pertinent to geophysicists, geologists, and petroleum reservoir engineers

## Elements of Petroleum Geology, Second Edition By Richard C. Selley Bibliography

- Sales Rank: #797910 in Books
- Published on: 1997-10-03
- Original language: English
- Number of items: 1
- Dimensions: 10.27" h x .98" w x 7.16" l, 2.19 pounds
- Binding: Hardcover
- 470 pages



[Download Elements of Petroleum Geology, Second Edition ...pdf](#)



[Read Online Elements of Petroleum Geology, Second Edition ...pdf](#)

## **Editorial Review**

### **Review**

"...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**."

--Giancarlo 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 geoscience, 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

### **From the Back Cover**

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.

### **About the Author**

Richard Selley é pesquisador sênior associado e professor emérito de Geologia do Petróleo na Imperial

College, Londres.

## **Users Review**

### **From reader reviews:**

#### **Ray Ortiz:**

Reading a publication can be one of a lot of action that everyone in the world loves. Do you like reading book thus. There are a lot of reasons why people like it. First reading a publication will give you a lot of new details. When you read a e-book you will get new information due to the fact book is one of various ways to share the information or even their idea. Second, reading through a book will make an individual more imaginative. When you reading a book especially fiction book the author will bring you to imagine the story how the characters do it anything. Third, you are able to share your knowledge to other folks. When you read this Elements of Petroleum Geology, Second Edition, you could tells your family, friends and also soon about yours reserve. Your knowledge can inspire others, make them reading a publication.

#### **Jackie Peters:**

Reading a guide tends to be new life style in this era globalization. With reading through you can get a lot of information that could give you benefit in your life. With book everyone in this world may share their idea. Textbooks can also inspire a lot of people. A great deal of author can inspire their very own reader with their story or even their experience. Not only situation that share in the books. But also they write about the information about something that you need case in point. How to get the good score toefl, or how to teach your children, there are many kinds of book which exist now. The authors on earth always try to improve their talent in writing, they also doing some study before they write for their book. One of them is this Elements of Petroleum Geology, Second Edition.

#### **Marie Forrest:**

Your reading 6th sense will not betray anyone, why because this Elements of Petroleum Geology, Second Edition book written by well-known writer who knows well how to make book that can be understand by anyone who also read the book. Written within good manner for you, leaking every ideas and creating skill only for eliminate your current hunger then you still uncertainty Elements of Petroleum Geology, Second Edition as good book but not only by the cover but also through the content. This is one book that can break don't ascertain book by its cover, so do you still needing one more sixth sense to pick this specific!?! Oh come on your examining sixth sense already told you so why you have to listening to one more sixth sense.

#### **Harold Dalton:**

Guide is one of source of understanding. We can add our expertise from it. Not only for students but additionally native or citizen need book to know the revise information of year in order to year. As we know those publications have many advantages. Beside we add our knowledge, could also bring us to around the world. By the book Elements of Petroleum Geology, Second Edition we can have more advantage. Don't that you be creative people? For being creative person must like to read a book. Simply choose the best book that

appropriate with your aim. Don't always be doubt to change your life at this time book Elements of Petroleum Geology, Second Edition. You can more appealing than now.

**Download and Read Online Elements of Petroleum Geology, Second Edition By Richard C. Selley #LAF7OGSB6H0**

## **Read Elements of Petroleum Geology, Second Edition By Richard C. Selley for online ebook**

Elements of Petroleum Geology, Second Edition By Richard C. Selley Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Elements of Petroleum Geology, Second Edition By Richard C. Selley books to read online.

### **Online Elements of Petroleum Geology, Second Edition By Richard C. Selley ebook PDF download**

**Elements of Petroleum Geology, Second Edition By Richard C. Selley Doc**

**Elements of Petroleum Geology, Second Edition By Richard C. Selley Mobipocket**

**Elements of Petroleum Geology, Second Edition By Richard C. Selley EPub**

**LAF7OGSB6H0: Elements of Petroleum Geology, Second Edition By Richard C. Selley**