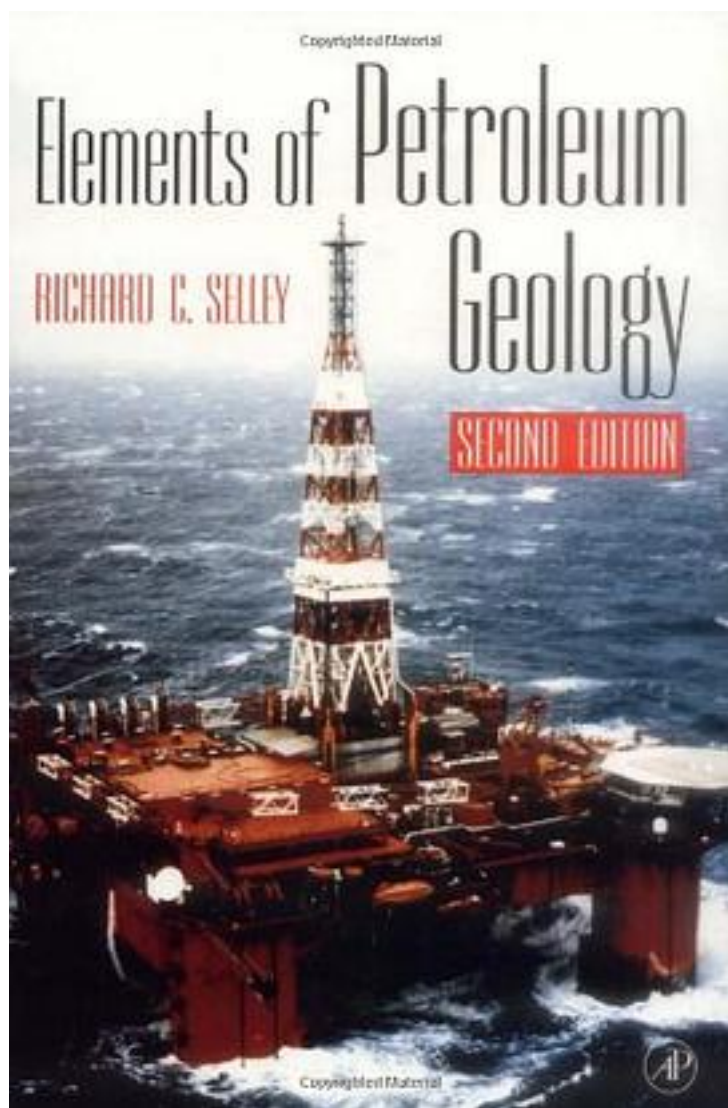


Elements of Petroleum Geology, Second Edition



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This Second Edition of Elements of Petroleum Geology is completely updated and revised to reflect the vast changes in the field in the fifteen 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

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