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Petroleum Economics

*An introduction to petroleum
economics theory including cash
flow analysis, global fiscal
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economic analysis to the
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challenges in the petroleum
industry. Discussion progresses
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industry, through principles and techniques of engineering economics, to the application of economic methods. Packed with real-world examples and case studies demonstrating how to calculate rate of return,

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***Economics and Evaluation ; 5
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and Fiscal Regimes
Economics of Worldwide
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Petroleum Economics and the
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There are few areas of economic policy-making in which the returns to good decisions are so high—and the punishment of bad decisions so cruel—as in the management of natural resource wealth. Rich

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endowments of oil, gas and minerals have set some countries on courses of sustained and robust prosperity; but they have left others riddled with corruption and persistent poverty, with little of lasting value to show for squandered wealth. And amongst the most important of these decisions are

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those relating to the tax treatment of oil, gas and minerals. This book will be of interest to Economics postgraduates and researchers working on resource issues, as well as professionals working on taxation of oil, gas and minerals/mining. This book covers how economics is

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geared into the technology of the oil industry and covers application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical plants, machines, and processes. It presents concepts and techniques of analysis

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useful in evaluating the worth of petroleum systems. It presents the answers to many frequently asked questions such as which petroleum projects are worthwhile and which one should have a higher priority. This book explains how to apply economic analysis to the evaluation

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of engineering challenges in the petroleum industry. Discussion progresses from an introduction to the industry, through principles and techniques of engineering economics, to the application of economic methods. Packed with real-world examples and case studies

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demonstrating how to calculate rate of return, discounted cash flow, payout period, and more, Petroleum Economics and Engineering, Third Edition assists petroleum engineers, chemical engineers, production workers, management, and executives in sound economic

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decision-making regarding the design, manufacture, and operation of oil and gas plants, equipment, and processes. The fully revised third edition is updated to reflect key advancements in petroleum technology and expanded to include chapters on middle stream

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operations, known as surface petroleum operations (SPO), and natural gas processing and fractionation. By looking globally at the hydrocarbon industry, the improved text offers the reader a more complete picture of the petroleum sector, which includes the

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global processes of exploration,
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Ahmad Alhamdani and the Instr.
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As the power source of social developments, energy is of decisive importance to a country's economic performance, competition ability and overall national strength. Among all kinds of energy, petroleum and natural gas, functioning as the key

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resources, high-quality chemical raw materials and indispensable war materials, are capturing more and more attention nowadays by countries all around the world, that is why they are also called the black gold. Fossil fuels (coal, oil and natural gas) provide about 87 % of the energy

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utilized by humanity, and modern societies are completely dependent upon this massive amount of energy to maintain and grow their size and complexity. Among the fossil fuels, oil takes a special place, not only providing about 33 % of global energy, but also being the

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predominant transport fuel given its energy density and liquid form at room temperature. Since the exploration, extraction, and transportation of the other fossil fuels are themselves heavily dependent upon the availability of oil, a shortage of oil could easily lead to constraints

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on the supply of all the other fossil fuels. Coal, gas, and even plants (such as corn and sugarcane) can be used to produce something like oil but much of the energy is used up in the conversion process. In the foreseeable future, these processes will not be able to significantly offset

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declines in oil production as there are severe limitations on the rate at which the required facilities could be put in place and the scale of production that they could support. Some transport sectors could be converted to use electricity, but the huge infrastructure and vehicle

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changes needed would require significant amounts of the declining net energy supplies available. History demonstrates that large scale energy use transformations have taken many decades to complete. Thus, if global oil production falters, or even falls, within the next decade, economic

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growth will almost certainly grind to a halt. This book is considered the mean ground or the infrastructure to understand the petroleum economics, I hope it will be good enough for you, enjoy

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understanding the dynamics of the oil industry from both a broad and specific economic perspective. It contains insights into the underlying features and mechanisms of the oil industry and its many

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branches, as well as a special emphasis on relevant international problems. It also provides a wealth of statistical information and should be of interest to all concerned with energy matters" (Euroil).

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at how developing nations are shaped by their mineral wealth--and how they can turn oil from a curse into a blessing. Ross traces the oil curse to the upheaval of the 1970s, when oil prices soared and

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governments across the developing world seized control of their countries' oil industries. Before nationalization, the oil-rich countries looked much like the rest of the world; today, they are 50 percent more likely

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to be ruled by autocrats--and twice as likely to descend into civil war--than countries without oil. The Oil Curse shows why oil wealth typically creates less economic growth than it should; why it produces

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jobs for men but not women; and why it creates more problems in poor states than in rich ones. It also warns that the global thirst for petroleum is causing companies to drill in increasingly poor nations,

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which could further spread the oil curse. This landmark book explains why good geology often leads to bad governance, and how this can be changed. Petroleum Economics and Engineering Analysis

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