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Petroleum Economics-Jean Masseron 1990

Petroleum Economics and Risk Analysis-Mark Cook 2021-02-12 Petroleum Economics and Risk Analysis: A Practical Guide to E&P Investment Decision-Making, Volume 69, is a practical guide to the economic evaluation, risk evaluation and decision analysis of oil and gas projects through all stages of the asset lifecycle, from exploration to late life opportunities. This book will help readers understand and make decisions with regard to petroleum investment, portfolio analysis, discounting, profitability indicators, decision tree analysis, reserves accounting, exploration and production (E&P) project evaluation, and E&P asset evaluation. Includes case studies and full color illustrations for practical application Arranged to reflect lifecycle structure, from exploration through to decommissioning Demonstrates industry-standard decision-making techniques as applied to petroleum investments in the oil and gas industry

Petroleum Economics and Engineering-M.A. Al-Sahlawi 1992-01-22 Revised and updated to reflect major changes in the field, this second edition presents an integrated and balanced view of current attitudes and practices used in sound economic decision-making for engineering problems encountered in the oil industry. The volume contains many problem-solving examples demonstrating how economic analyses are applied to different facets of the oil industry. Discussion progresses from an introduction to the industry, through principles and techniques of engineering economics, to the application of economic methods to the oil industry. It provides information on the types of crude oils, their finished products and resources of natural gas, and also summarizes worldwide oil production and consumption data.

An Introduction to Petroleum Technology, Economics, and Politics-James G. Speight 2011-09-19 This book describes the petroleum industry in easy-to-understand language for both the layperson and engineer alike. From the economics of searching for oil and gas, getting it out of the ground, into pipelines, into refineries, and, finally, into your gas tank, this book covers the petroleum industry like no other treatment before

Provided by publisher.

Fundamentals of Applied Reservoir Engineering-Richard Wheaton 2016-04-20 Fundamentals of Applied Reservoir Engineering introduces early career reserve engineers and those in other oil and gas disciplines to the range of unconventional resources. Given that modern reservoir engineering is largely centered on numerical computer simulation and that reservoir engineers in the industry will likely spend much of their professional career building and running such simulators, the book aims to encourage the use of simulated models in an appropriate way and exercising good engineering judgment to start the process for any field by using all available methods, both modern simulators and simple numerical models, to gain an understanding of the basic ‘dynamics’ of the reservoir -namely what are the major factors that will determine its performance. With the valuable addition of questions and exercises, including online spreadsheets to utilize day-to-day application and bring together the basics of reservoir engineering, coupled with petroleum economics and appraisal and development optimization, Fundamentals of Applied Reservoir Engineering will be an invaluable reference to the industry professional who wishes to understand how reservoirs fundamentally work and to how a reservoir engineer starts the performance process. Covers reservoir appraisal, economics, development planning, and optimization to assist reservoir engineers in their decision-making. Provides appendices on enhanced oil recovery, gas well testing, basic fluid thermodynamics, and mathematical operators to enhance comprehension of the book’s main topics. Offers online spreadsheets covering well test analysis, material balance, field aggregation and economic indicators to help today’s engineer apply reservoir concepts to practical field data applications. Includes coverage on unconventional resources and heavy oil making it relevant for today’s worldwide reservoir activity.

Upstream Petroleum Fiscal and Valuation Modeling in Excel-Ken Kasriel 2013-06-06 Please contact the authors at upstream.petroleum.in.excel@gmail.com for details of how to access the trial version of Crystal Ball, as well as the Excel and other files which are not part of the e-book version download. This is a book no deal team should be without. It is a must for those involved in upstream oil and gas transactions, planning, budgeting, investment appraisal and portfolio management. Its step-by-step approach cuts through complexity, making it comprehensive and understandable by a wide range of users with a wide range of abilities. It can be used as a textbook, an introductory primer or as a handbook that you can dip in and out of or read cover to cover. --Michael Lynch-Bell, Senior Advisor, Oil & Gas, Ernst & Young LLP; ex-officio Chairman, UN Expert Group on Resource Classification in the upstream petroleum industry, it is the value of post-tax cashflows which matters most to companies, governments, investors, lenders, analysts, and advisors. Calculating these cashflows and understanding their “behavior,” however, is challenging, as the industry’s specialized fiscal systems can be complex, jargon-laden, and sometimes seem to be a “world of their own”.

Upstream Petroleum Fiscal and Valuation Modeling in Excel: A Worked Examples Approach demystifies fiscal analysis which, unlike disciplines such as Earth sciences and engineering, can be learned from a book. Written in plain English for laymen and for experienced practitioners alike, it is a reader-friendly, clear, practical, step-by-step hands-on guide for both reference and self-paced study. The book does not catalogue the 100+ different petroleum fiscal regimes in use at the time of writing. Rather, drawing on the authors’ combined 48 years’ experience, it takes a more timeless, generic treatment, by covering the most common variants of royalties, taxation, production sharing arrangements, bonuses and abandonment funding, through a dual approach: first, showing how to model them in Excel, and then providing creative exercises to prompt (and answer) questions that analyze impacts on cashflows. In addition to the main text, the book consists of over 120 Excel files (ranging from modular examples to full models) in Excel 2007 and 2003 formats; over 400 pages of supplementary PDF files; VBA features to enhance model functionality; and an introduction to risk modeling with exercises for the included trial version of Oracle’s Crystal Ball software. It offers both a wealth of content and models equal to or surpassing what is available from fiscal modeling courses costing several times more; and greater insights into underlying calculations than commercially available “black box” fiscal software. New US Securities and Exchange Commission (SEC) rules planned for 2013 will force petroleum companies to disclose more fiscal information on an individual country basis. This will make it more important than ever for analysts to understand how to model oil and gas terms and the potential impacts of the disclosed government payments on future oil and gas company profitability. Due to the heavy use of graphics and cross references used in this particular text, some readers might find that the printed book offers a more optimal reading experience than certain e-formats particularly with the Kindle eMobi format.

Formulas and Calculations for Petroleum Engineering-Cenk Temizel 2019-09-15 Formulas and Calculations for Petroleum Engineering unlocks the capability for any petroleum engineering individual, experienced or not, to solve problems and locate quick answers, eliminating non-productive time spent searching for that right calculation. Enhanced with lab data experiments, practice examples, and a complimentary online software toolbox, the book presents the most convenient and practical reference for all oil and gas phases of a given project. Covering the full spectrum, this reference gives single-point reference to all critical modules, including drilling, production, reservoir engineering, well testing, well logging, enhanced oil recovery, well completion, fracturing, fluid flow, and even petroleum economics. Presents single-point access to all petroleum engineering equations, including calculation of modules covering drilling, completion and fracturing Helps readers understand petroleum economics by including formulas on depreciation rate, cashflow analysis, and the optimum number of development wells

Hydrocarbon Exploration and Production-Frank Jahn 1998-03-13 This handbook that you can dip in and out of or read cover to cover. —Michael Lynch-Bell, Senior Advisor, Oil & Gas, Ernst & Young LLP; ex-officio Chairman, UN Expert Group on Resource Classification in the upstream petroleum industry, it is the value of post-tax cashflows which matters most to companies, governments, investors, lenders, analysts, and advisors. Calculating these cashflows and understanding their “behavior,” however, is challenging, as the industry’s specialized fiscal systems can be complex, jargon-laden, and sometimes seem to be a “world of their own”.

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Hydrocarbon Exploration and Production-Frank Jahn 1998-03-13 This
Petroleum Economics—Jean Masseron 1990 This book is a valuable tool in 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 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). “Petroleum Economics, by Jean Masseron, is a fine introductory text to the entire scope of activities and economic conditions facing the world-wide petroleum industry” (AAPG Bulletin). “This book, already used by many organizations, should be especially useful for engineers, economists and managers concerned with energy matters, and also those who, beyond the technical aspects, wish to acquire and in-depth understanding of the economic mechanisms in a vital sector for world development today” (JCPT). Contents : Introduction: Principal economic characteristics. I. Crude oil supply and demand. 1. The crude oil market. 2. Technical cost of exploration and production. 3. Tax and legal aspects. II. The economics of crude oil transportation. 1. Transportation by tanker. 2. Crude oil pipelining. III. Finished products supply: refining. 1. The search for optimal economic conditions. 2. Present unit location and cost of refinery processing. 3. Legal organization. IV. Demand and marketing of petroleum products. 1. The petroleum products in the principal consuming countries. 2. The distribution of petroleum products. 3. The marketing of petroleum products. V. Petrochemicals. 1. General characteristics. 2. Economics of two large basic units. 3. The market for the principal finished products. 4. Problems of today. VI. Natural gas. 1. Natural gas supply in the world. 2. Transportation. 3. International markets and prices. Conclusion: Energy and petroleum problems of the future. Bibliography.

Energy Finance and Economics—Betty Simkins 2013-02-19 Thought leaders and experts offer the most current information and insights into energy finance Energy Finance and Economics offers the most up-to-date information and compelling insights into the finance and economics of energy. With contributions from today’s thought leaders and experts who are working in various areas of energy finance and economics, the book provides an overview of the energy industry and addresses issues concerning energy finance and economics. The book focuses on a range of topics including corporate finance relevant to the oil and gas industry as well as addressing issues of unconventional, renewable, and alternative energy. A timely compendium of information and insights centering on topics related to energy finance Written by Betty and Russell Simkins, two experts on the topic of the economics of energy Covers special issues related to energy finance such as hybrid cars, energy hedging, and other timely topics In one handy resource, the editors have collected the best-thinking on energy finance.

Oil: Joann Jovinelly 2008-10-13

Energy Economics—Subhas C. Bhattacharyya 2011-02-28 Since its modest beginning in the 1970s, the academic and research focus on energy has grown substantially and energy has established itself as an independent, interdisciplinary subject area. It attracts attention from people in a range of different fields including engineers, scientists, geologists, environmentalists, bankers, investors, policy makers and politicians. Energy Economics introduces the basic concepts of energy economics and explains how simple economic tools can be used to analyse contemporary energy issues. Energy Economics is organised into six parts that give the reader a thorough grounding in various key aspects of the subject: basic demand-related concepts and ideas used in energy economics; supply-side economics; energy markets, with specific emphasis on oil, gas and coal; the application of simple economic principles in energy policy decisions; environmental aspects of energy use; and regulatory and governance issues. Energy Economics is an easily accessible reference book for students of energy economics at the postgraduate level, as well as for a wider interdisciplinary audience. It provides readers with the skills required to understand and analyse complex energy issues from an economic perspective.

Petroleum Economics and Engineering, Third Edition—Hussein K. Abdel-Aal 2013-12-14 This book explains how to apply economic analysis to the evaluation 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 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 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 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 global processes of exploration, production, refining, and transportation.

The Economics of Oil and Gas—Xiaoyi Mu 2020

Petropolitics—Alan J. MacFadyen 2014 Winner of the 2014 Book of the Year Award from the Petroleum History Society!The importance of energy to the functioning of any economy has meant that energy industries are amongst the most regulated of industries. What might appear to be purely private decisions are made within a complex and evolving web of government regulations. Petropolitics: Petroleum Development, Markets and Regulations, Alberta as an Illustrative History provides an economic history of the petroleum industry in Alberta as well as a detailed analysis of the operation of the markets for Alberta oil and natural gas, and the main governmental regulations (apart from environmental regulations) faced by the industry. The tools used within this study are applicable to oil and gas industries throughout the world.

Oil and Gas Production Handbook: An Introduction to Oil and Gas Production—Havard Devold 2013*

Introduction to Petroleum Engineering—John R. Fanchi 2016-09-13 Presents key concepts and terminology for a multidisciplinary range of topics in petroleum engineering Places oil and gas production in the global energy context Introduces all of the key concepts that are needed to understand oil and gas production from exploration through abandonment Reviews fundamental terminology and concepts from geology, geophysics, petrophysics, drilling, production and reservoir engineering Includes many worked practical examples within each chapter and exercises at the end of each chapter highlight and reinforce material in the chapter Includes a solutions manual for academic adopters

Petroleum Refining—James H. Gary 1984

Oil Titans—Valerie Marcel 2007-05-01 Ninety percent of the world’s oil reserves are entrusted to state-owned companies. Originally created as political instruments, these so-called national oil companies (NOCs) face new demands amid today’s dwindling oil reserves and simmering social pressures. Increasingly, state-owned oil firms—particularly in the Middle East—are having to balance the political demands of their governments with the need to be commercially competitive. In this ground-breaking new volume, Valerie Marcel draws on unprecedented access to the politicians, engineers, and business leaders who are working in various areas of energy finance and economics, the book provides an overview of the energy industry and addresses issues concerning energy finance and economics. The book focuses on a range of topics including corporate finance relevant to the oil and gas industry as well as addressing issues of unconventional, renewable, and alternative energy. A timely compendium of information and insights centering on topics related to energy finance Written by Betty and Russell Simkins, two experts on the topic of the economics of energy Covers special issues related to energy finance such as hybrid cars, energy hedging, and other timely topics In one handy resource, the editors have collected the best-thinking on energy finance.

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Petroleum Refining - Mark J. Kaiser 2019-09-11 For four decades, Petroleum Refining has guided thousands of readers toward a reliable understanding of the field, and through the years has become the standard text in many schools and universities around the world offering petroleum refining classes, for self-study, training, and as a reference for industry professionals. The sixth edition of this perennial bestseller continues in the tradition set by Jim Gary as the most modern and authoritative guide in the field. Updated and expanded to reflect new technologies, methods, and topics, the book includes new discussion on the business and economics of refining, cost estimation and complexity, crude origins and properties, fuel specifications, and updates on technology, process units, and catalysts. The first half of the book is written for a general audience to introduce the primary economic and market characteristics of the industry and to describe the inputs and outputs of refining. Most of this material is new to this edition and can be read independently or in parallel with the rest of the text. In the second half of the book, a technical review of the main process units of a refinery is provided, beginning with distillation and covering each of the primary conversion and treatment processes. Much of this material was reorganized, updated, and rewritten with greater emphasis on reaction chemistry and the role of catalysis in applications. Petroleum Refining: Technology, Economics, and Markets is a book written for users, the practitioners of refining, and all those who want to learn more about the field.

The Oil Curse - Michael L. Ross 2013-09-08 Countries that are rich in petroleum have less democracy, less economic stability, and more frequent civil wars than countries without oil. What explains this oil curse? And can it be fixed? In this groundbreaking analysis, Michael L. Ross looks 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 upstreamerval of the world prices for oil and the distribution of the profits across the developing world—especially their oil industries. Before nationalization, the oil-rich countries looked much like the rest of the world; today, they are 50 percent more likely to be ruled by autocrats—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 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, 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.

Living Oil - Stephanie LeMenager 2014 Drawing on novels, film, and photographs, Living Oil offers a literary and cultural history of modern environmentalism and petroleum in America.

Sustainable Hydropower in West Africa - Amos Kabo-Bah 2018-01-10 Sustainable Hydropower in West Africa: Planning, Operation, and Challenges provides a comprehensive overview of the planning, deployment and management of hydropower in West Africa and similar regions. The authors use a practical approach to analyze available technology, modeling methodologies and their application to different aspects of the hydropower sector. The book can be used as an introduction to aspects relevant to the industry. The chapter on refinery planning covers both operational planning and the decision making procedures for new or revamped processes. Major equipment used in the industry is reviewed along with details and examples of the process specifications for each. An extensive glossary and dictionary of the terms and expressions used in petroleum refining, plus appendices supplying data such as converging factors and selected crude oil assays, as well as an example of optimizing a refinery configuration using linear programming are all included to aid the reader. The 2nd edition of Petroleum Processing is an indispensable desk reference for chemists and engineers as well as an essential part of the libraries of universities with a chemical engineering faculty and oil refineries and engineering firms performing support functions or construction.

Principles of Economics - A. Marshall 2013-12-05 Alfred Marshall, Principles of Economics (1890) – Founder of Modern (Neo-classical) Economics. His book Principles of Economics was the dominant textbook in economics for a long time and it is considered to be his seminal work.

Petroleum Geostatistics - Jef Caers 2005

Partnerships, Governance and Sustainable Development - P. Glasbergen 2007 - This is a book to read for anybody who wants a good overview of ongoing research on environmental partnerships in public administration, business administration, political science and sociology. Thomas Sikor, Journal of Integrative Environmental Sciences The profit of this book is the well-proportioned mixture of theoretical reflections . . . and empirical findings, mostly presented in the form of case studies. . .the volume offers a well-structured and relevant account of economic and social analyses of governance and partnerships in the field of sustainable development. Thomas Krumm, Political Studies Review This well-structured volume brings together a group of leading experts on an important emerging topic of global and local environmental policy. The book is highly recommended for every student and scholar in the field of environmental governance. Martin Jaucke, Freie Universität Berlin, Germany Partnerships have emerged as a critical best practice in the pursuit of sustainability. Glasbergen, Biermann and Mol s book explores the partnership issue from a variety of empirical and theoretical perspectives highlighting how to understand them and what (not) to do. Highly recommended. Daniel C. Esty, Yale University, US This significant study discusses the emergence of partnerships for sustainable development as an innovative, and potentially influential, new type of governance. With contributions from leading experts in the field, the partnership paradigm is discussed and the contributors explore the process, extent and circumstances under which partnerships can improve the legitimacy and effectiveness of governance for sustainable development.
Guidelines for the Evaluation of Petroleum Reserves and Resources-Society of Petroleum Engineers 2001

Weathering Risk in Rural Mexico-Hallie Catherine Eakin 2006 From floods and droughts to tsunamis and hurricanes, recent years have seen a distressing and often devastating increase in extreme climatic events. While it is possible to study these disasters from a purely scientific perspective, a growing preponderance of evidence suggests that changes in the environment are related to both a shift in global economic relations and these weather-related events. In Weathering Risk in Rural Mexico, Hallie Eakin draws on ethnographic data collected in three agricultural communities in rural Mexico to show how economic and climatic change are not only linked in cause and effect at the planetary scale but also interact in unpredictable and complex ways in the context of regional political and trade relationships, national economic and social programs, and the decision making of institutions, enterprises, and individuals. She shows how the parallel processes of globalization and climatic change result in populations that are Òdoubly exposedÓ and thus particularly vulnerable. Chapters trace the effects of El Ni–o in central Mexico in the late 1990s alongside some of the principal changes in the countries agricultural policy. Eakin argues that in order to develop policies that effectively address rural poverty and agricultural development, we need an improved understanding of how households cope simultaneously with various sources of uncertainty and adjust their livelihoods to accommodate newly evolving environmental, political, and economic realities.

Migration: Policies, Practices, Activism-Martin Bulmer 2014-01-02 Migration: Policies, Practices, Activism brings together a range of scholarly research papers to examine the place of international migration in the modern world, starting with the overview of migration and development by Alejandro Portes. There are many aspects to migration today which are treated in this collection, including new patterns of migration flows, asylum and exploiting new oil fields, including the much ballyhooed shale plays and oil sands, and whether alternative energy technologies such as wind and solar power can meet the minimum EROI requirements needed to run society as we know it. For the past 150 years, economics has been treated as a social science in which economies are modeled as a circular flow of income between producers and consumers. In this Òperpetual motionÓ of interactions between firms that produce and households that consume, little or no accounting is given of the flow of energy and materials from the environment and back again. In the standard economic model, energy and matter are completely recycled in these transactions, and economic activity is seemingly exempt from the Second Law of Thermodynamics. As we enter the second half of the age of oil, when energy supplies and the environmental impacts of energy production and consumption are likely to constrain economic growth, this exemption should be considered illusory at best. This book is an essential read for all scientists and economists who have recognized the urgent need for a more scientific, empirical, and unified approach to economics in an energy-constrained world, and serves as an ideal teaching text for the growing number of courses, such as the authors’ own, on the role of energy in society.

Commodity Prices and Markets-Takatoshi Ito 2011-03 Fluctuations of commodity prices, most notably of oil, capture considerable attention and have been tied to important economic effects. This book advances our understanding of the consequences of these fluctuations, providing both general analysis and a particular focus on the countries of the Pacific Rim.

Formation Damage During Improved Oil Recovery-Bin Yuan 2018-06 Formation Damage during Improved Oil Recovery: Fundamentals and Applications bridges the gap between theoretical knowledge and field practice by presenting information on formation damage issues that arise during enhanced oil recovery. Multi-contributed technical chapters include sections on modeling and simulation, lab experiments, field case studies, and newly proposed technologies and methods that are related to formation damage during secondary and tertiary recovery processes in both conventional and unconventional reservoirs. Focusing on both the fundamental theories related to EOR and formation damage, this reference helps engineers formulate integrated and systematic designs for applying EOR processes while considering formation damage effects.

Petroleum Chemistry And Refining-James G. Speight 1997-09-01 Supported by numerous illustrations and references, this book describes the chemistry and physics that occur during the refining operations, and how...
the properties of petroleum can be translated into predictability in refinery scenarios. The chapters discuss such topics as: the composition of petroleum, petroleum analysis and evaluation; metals and heteroatoms in petroleum; asphaltenes and the structure of petroleum, thermal chemistry of petroleum constituents; heavy oil upgrading processes; hydrocracking reactions, catalysts, and processes; and instability and incompatibility of petroleum products.

**Asymmetric Information, Corporate Finance, and Investment**-R. Glenn Hubbard 2009-05-15 In this volume, specialists from traditionally separate areas in economics and finance investigate issues at the conjunction of their fields. They argue that financial decisions of the firm can affect real economic activity—and this is true for enough firms and consumers to have significant aggregate economic effects. They demonstrate that important differences—asymmetries—in access to information between "borrowers" and "lenders" ("insiders" and "outsiders") in financial transactions affect investment decisions of firms and the organization of financial markets. The original research emphasizes the role of information problems in explaining empirically important links between internal finance and investment, as well as their role in accounting for observed variations in mechanisms for corporate control.