Introduction To The Global Oil And Gas Business

Introduction to Renewable Biomaterials

Political unrest in the Middle East and North Africa (MENA) has contributed to higher oil prices and added instability to energy markets. Supply disruptions and fears about the possible spread of unrest to major exporters have pushed prices higher. Even if the crisis abates, some risk premium may persist to the degree that market participants fear such an event could occur again. Contents of this report: (1) Introduction; (2) Short-Term Pricing Pressures: Unrest Contributes to Higher Oil Prices; Impacts on the U.S. Oil Market; U.S. Natural Gas More Insulated from MENA Turmoil; (3) Long-Term Considerations: Risks May Persist; (4) Policy Considerations; Strategic Petroleum Reserve; Other Policy Options. Charts and tables. This is a print on demand report.

Oil Panic and the Global Crisis

Machine Learning and Data Science in the Oil and Gas Industry explains how machine learning can be specifically tailored to oil and gas use cases. Petroleum engineers will learn when to use machine learning, how it is already used in oil and gas operations, and how to manage the data stream moving forward. Practical in its approach, the book explains all aspects of a data science or machine learning project, including the managerial parts of it that are so often the cause for failure. Several real-life case studies round out the book with topics such as predictive maintenance, soft sensing, and forecasting. Viewed as a guide book, this manual will lead a practitioner through the journey of a data science project in the oil and gas industry circumventing the pitfalls and articulating the business value. Chart an overview of the techniques and tools of machine learning including all the non-technological aspects necessary to be successful Gain practical understanding of machine learning used in oil and gas operations through contributed case studies Learn change management skills that will help gain confidence in pursuing the technology Understand the workflow of a full-scale project and where machine learning benefits (and where it does not)

World Atlas of Oil and Gas Basins

China, Oil and Global Politics

Offering a clear explanation of financial statements with a practical approach to the analysis of an oil company, this introduction contains tables, figures, and worksheets, and examples of analysis of virtually every aspect of an oil company are provided in detail. Financial quick-look techniques, rules of thumb, commentary, and a glossary are included.

Catalytic Naphtha Reforming Process

From the discovery of fire to that of the atom, the development of human societies has largely been based on the conquest of energy. In all countries, energy has gradually become one of the key factors of social and economic development, as well as capital, labor and natural resources, and now no one can do without it. After decades of cheap energy

Introduction to Renewable Energy

Despite its size and importance, a surprising lack of basic knowledge exists about the oil and gas industry. With their timely new book, authors Andrew Inkpen and Michael H. Moffett have written a nontechnical book to help readers with technical backgrounds better understand the business of oil and gas. They describe and analyze the global oil and gas industry, focusing on its strategic, financial, and business aspects and addressing a wide range of topics organized around the oil and gas industry value chain, starting with exploration and ending with products sold to consumers. The Global Oil & Gas Industry is a single source for anyone interested in how the business of the worldís largest industry
actually works: business executives, students, government officials and regulators, professionals working in the industry, and the general public.

Subterranean Estates

A prominent linchpin in world politics and in security policies world over, oil and gas have tremendous value in both, the political and economical sectors of global relations, business establishments and policy. Regardless of whether one is a novice to a given field, or a well accomplished veteran in the field, there is a need for the continued engagement with the basics that underlie the core subjects. With that in mind, the Fundamentals of Oil and Gas is a perfect primer for the first—timer in the field, while also a copious text to help a seasoned veteran stay abreast with the nuances of the world of Oil and Gas.

Peeking at Peak Oil

Fundamentals of Petroleum Refining presents the fundamentals of thermodynamics and kinetics, and it explains the scientific background essential for understanding refinery operations. The text also provides a detailed introduction to refinery engineering topics, ranging from the basic principles and unit operations to overall refinery economics. The book covers important topics, such as clean fuels, gasification, biofuels, and environmental impact of refining, which are not commonly discussed in most refinery textbooks. Throughout the source, problem sets and examples are given to help the reader practice and apply the fundamental principles of refining. Chapters 1-10 can be used as core materials for teaching undergraduate courses. The first two chapters present an introduction to the petroleum refining industry and then focus on feedstocks and products. Thermophysical properties of crude oils and petroleum fractions, including processes of atmospheric and vacuum distillations, are discussed in Chapters 3 and 4. Conversion processes, product blending, and alkylation are covered in chapters 5-10. The remaining chapters discuss hydrogen production, clean fuel production, refining economics and safety, acid gas treatment and removal, and methods for environmental and effluent treatments. This source can serve both professionals and students (on undergraduate and graduate levels) of Chemical and Petroleum Engineering, Chemistry, and Chemical Technology. Beginners in the engineering field, specifically in the oil and gas industry, may also find this book invaluable. Provides balanced coverage of fundamental and operational topics Includes spreadsheets and process simulators for showing trends and simulation case studies Relates processing to planning and management to give an integrated picture of refining.

Oil Spaces

Is the world running out of oil? This book analyzes predictions of global oil depletion in the context of science, history, and economics. There has been continuing alarm about the imminent exhaustion of earth’s non-renewable resources. Yet, the world has never run out of any significant, globally traded, non-renewable resource. Is the world finally facing a non-renewable resource depletion catastrophe, or is the current concern just another one of a succession of panics? In this book, key assumptions and underlying arguments in the global oil depletion debate are first summarized and then challenged. Facts about oil supply, production, and consumption are made accessible using concise and simple graphics. Concepts of resource depletion, end-use needs, technology leap-frogging, efficiency, and substitution are used to evaluate historical patterns of exploitation of non-renewable resources and to explore what history suggests about our future dependence on oil. This book is aimed at a broad range of readers, from undergraduate students studying resource science and economics to anyone interested in understanding the context of the controversy over global oil depletion. “It is a book serious students of the world oil market should read, not because Gorelick has all the answers but because his account is well reasoned, well informed, and argued honestly, with respect for responsible opposing viewpoints.” Book Review, Science, May 2010

Processing of Heavy Crude Oils

Introduction to Enhanced Recovery Methods for Heavy Oil and Tar Sands, Second Edition, explores the importance of enhanced oil recovery (EOR) and how it has grown in recent years thanks to the increased need to locate unconventional resources such as heavy oil and shale. Unfortunately, petroleum engineers and managers aren’t always well-versed in the enhancement methods that are available when needed or the most economically viable solution to maximize their reservoir’s productivity. This revised new edition presents all the current methods of recovery available, including the pros and cons of each. Expanded and updated as a great preliminary text for the newcomer to the industry or subject matter, this must—have EOR guide teaches all the basics needed, including all thermal and non-thermal methods, along with discussions of viscosity, sampling, and the technologies surrounding offshore applications. Enables users to quickly learn how to choose the most efficient recovery method for their reservoir while evaluating economic conditions Presents the differences between each method of recovery with newly added real—world case studies from around the world Helps readers stay competitive with the growing need of extracting unconventional resources with new content on how these complex reservoirs interact with injected reservoir fluids.

Global Partners

“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.
The End of Oil

This book examines the physical and economic characteristics of the global oil resource to explain why peak oil has been so poorly understood. The author draws on information held in oil industry datasets that are not widely available outside of the specialist literature, and describes a number of methods that have been successfully used to predict oil peaks. In contrast to the widely-held view that 'all oil forecasts are wrong', these methods correctly predicted the current peak in global conventional oil production. Current oil forecasts are then compared to evaluate the expected dates for regional and global oil peaks for conventional oil, all-oils, and all-liquids. The dates of global peaks in the production of all-oil and all-liquids appear to be reasonably soon, while the oil price that is needed to support these global production levels continues to rise. The world faces serious constraints in its oil supply, which accounts for about one-third of total world energy use, and over 90% of the fuel used for transportation. Readers of this book will gain a thorough understanding of the critical, but poorly understood, phenomenon of peak oil that has already had significant impacts on society in terms of high oil prices, and which will place increasing constraints on mankind's supply of energy and economic well-being in the coming years.

Oil Prices and the Global Economy

Explore a Major Component of Renewable Energy Introduction to Bioenergy takes a look at energy from biomass (thermal energy, power, liquid fuels, and biogas) and envisions a sustainable future fueled by renewable energy. From production to conversion to heat, power, and biofuel, this book breaks down the science of bioenergy and explains the major processes for its production, conversion, and use. Covers Solar Energy, Bioenergy, and Biomass Resources The book begins with an introduction to solar energy (the source of bioenergy) and then moves on to describe bioenergy, biomass, chemical conversion, and the renewable energy processes involved. The authors cover measurement energy parameters, analysis of data, and the prediction of energy production for different bio products. They also consider the institutional, environmental, and economic concerns surrounding bioenergy. An all-inclusive resource covering a rapidly-advancing field, this book: Explores the impact of climate change and global warming on the production of biomass Describes the positive and negative effects of biomass production on ecosystems and biodiversity Illustrates the use of biomass for the production of electricity Considers the replacement of fossil fuels with biofuels, biofuel production, and emerging technologies Addresses institutional and environmental issues relevant to bioenergy Discusses factors impacting the economic feasibility of renewable energy systems Introduction to Bioenergy defines major processes for the production, conversion, and use of bioenergy. A book suitable for coursework or self-study, this essential work serves students and practicing professionals in the renewable energy, environmental science, agriculture engineering, and biology fields.

The Refinery of the Future

Oil and Gas Production Handbook: An Introduction to Oil and Gas Production

This original textbook introduces readers to biomass—a renewable resource derived from forest, agriculture, and organic-based materials—which has attracted significant attention as a sustainable alternative to petrochemicals for large-scale production of fuels, materials, and chemicals. This interdisciplinary text is a welcome resource for those seeking a better understanding of this new discipline. It combines the underpinning science of biomass with technology applications and sustainability considerations to provide a broad focus to its readers.—COVER.

Introduction to Bioenergy

Master's Thesis from the year 2011 in the subject Economics - Finance, grade: 8,0, Maastricht University (School of Business and Economics), language: English, abstract: This study finds that while a large part of the variation in crude oil futures prices is driven by fundamental factors, financial investment and speculation has the potential to aggravate reactions to changing fundamental variables and furthermore move prices on its own. The evidence is gathered by performing linear regressions and Granger Causality tests on futures returns, position data of different categories of futures traders on the New York Mercantile Exchange and proxies for relevant fundamental factors such as equity and exchange rate returns gathered from August 2006 to December 2010. While higher prices for crude oil naturally come along with increasing physical demand and finite world supply, future regulation might temper market volatility and guarantee that prices reflect a sustainable physical market equilibrium. The study also gives an overview of commodity market regulation and position limits on futures markets.

Introduction to the Global Oil & Gas Business

This book provides a rigorous, concise guide to the current status and future prospects of the global energy system. As we move away from fossil fuels and toward clean energy solutions, the complexity of the global energy system has increased. Tagliapietra cuts through this complexity with a multidisciplinary perspective of the system, which encompasses economics, geopolitics, and basic technology. He goes on to explore the main components of the global energy system—oil, natural gas, coal, nuclear energy, bioenergy, hydropower, geothermal energy, wind energy, solar energy, marine energy—as well as energy consumption and energy efficiency. It then provides an in-depth analysis of the pivotal issues of climate change and of energy access in Africa.
Introduction to the Oil Pipeline Industry

This new title presents key information on the oil industry world-wide, and will be of interest to anyone involved in or studying the politics of oil production, processing and selling. Oil has long been at the forefront of political agendas, and with increased tensions in the Middle East, there has never been a greater need for up-to-date, reliable information on this key industry. Includes: * essays covering the main themes * an A-Z glossary listing important terms * detailed maps * a statistics section.

Machine Learning and Data Science in the Oil and Gas Industry

Oil Spaces traces petroleum’s impact through a range of territories from across the world, showing how industrially drilled petroleum and its refined products have played a major role in transforming the built environment in ways that are often not visible or recognized. Over the past century and a half, industrially drilled petroleum has powered factories, built cities, and sustained nation-states. It has fueled ways of life and visions of progress, modernity, and disaster. In detailed international case studies, the contributors consider petroleum’s role in the built environment and the imagination. They study how petroleum and its infrastructure have served as a source of military conflict and political and economic power, inspiring efforts to create territories and reshape geographies and national boundaries. The authors trace ruptures and continuities between colonial and postcolonial frameworks, in locations as diverse as Sumatra, northeast China, Brazil, Nigeria, Tanzania, and Kuwait as well as heritage sites including former power stations in Italy and the port of Dunkirk, once a prime gateway through which petroleum entered Europe. By revealing petroleum’s role in organizing and imagining space globally, this book takes up a key task in imagining the possibilities of a post-oil future. It will be invaluable reading to scholars and students of architectural and urban history, planning, and geography of sustainable urban environments.

Introduction to Oil Company Financial Analysis

As feedstocks to refineries change, there must be an accompanying change in refinery technology. This means a movement from conventional means of refining heavy feedstocks using (typically) coking technologies to more innovative processes that will coax the last drips of liquid fuels from the feedstock. This book presents the evolution of refinery processes during the last century and as well as the means by which refinery processes will evolve during the next three-to-five decades. Chapters contain material relevant to (1) comparisons of current feedstocks with heavy oil and bio-feedstocks; (2) evolution of refineries since the 1950s, (3) properties and refinability of heavy oil and bio-feedstocks, (4) thermal processes vs. hydroprocesses, and (5) evolution of products to match the environmental market. Process innovations that have influenced refinery processing over the past three decades are presented, as well as the relevant patents that have the potential for incorporation into future refineries. * Comparison of current feedstocks with heavy oil and bio-feedstocks. * Evolution of refineries over the past three decades. * Properties and refinability of heavy oil and bio-feedstocks. * Thermal processes vs. Hydroprocesses. * Evolution of products to match the environmental market.

Crude Volatility

To the casual observer, the oil business seems constant and unchanging. Most gasoline stations have done away with attendant services, and credit cards are accepted directly at the pump, but drive-in access and brand names remain largely as they have been for generations. The facade, however, is just that; it is like the false front of a Western town put in place to make everything seem bigger and grander than it really is. The familiarity of the oil industry’s retail outlets masks extraordinary changes in how the industry engages in its four primary sectors of activity: finding and producing crude oil, transportation, refining, and marketing.

Fundamentals, Speculation, and the Pricing of Crude Oil Futures

The Global Oil and Gas Industry

This paper presents a simple macroeconomic model of the oil market. The model incorporates features of oil supply such as depletion, endogenous oil exploration and extraction, as well as features of oil demand such as the secular increase in demand from emerging-market economies, usage efficiency, and endogenous demand responses. The model provides, inter alia, a useful analytical framework to explore the effects of: a change in world GDP growth; a change in the efficiency of oil usage; and a change in the supply of oil. Notwithstanding that shale oil production today is more responsive to prices than conventional oil, our analysis suggests that an era of prolonged low oil prices is likely to be followed by a period where oil prices overshoot their long-term upward trend.

Introduction to Peak Oil

Aligned directly to the NEBOSH syllabus, this book covers the breadth and depth of oil and gas operational safety. This book guides the reader through the principles of how to manage operational
risks, carefully conveying a technical subject in a clear, concise manner that readers will find comfortable to read and understand. Written in full colour by a highly experienced team who have many years’ experience within the field, this book is undoubtedly an essential tool to enhance your understanding of operational safety within the oil and gas industry.

British Petroleum and Global Oil 1950-1975

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 upheaval of the 1970s, when oil prices soared and 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 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 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 geography often leads to bad governance, and how this can be changed.

The Global Oil & Gas Industry

Explains how pipelines daily move millions of barrels of crude oil and refined products in the United States. Reviews the history, development, and construction of petroleum pipelines and discusses gathering oil from the fields, operating pump stations, controlling oil movement, maintaining pipelines, and pipelining products. Also includes environmental considerations, special rules and regulations, and a glossary. Sponsored by the American Petroleum Institute, Transportation Department.

Fundamentals of Oil & Gas Industry for Beginners

China’s rapid economic growth has led to a huge increase in its domestic energy needs. This book provides a critical overview of how China’s growing need for oil imports is shaping its international economic and diplomatic strategy and how this affects global political relations and behaviour. Part One is focused on the domestic drivers of energy policy: it provides a systematic account of recent trends in China’s energy sector and assesses the context and processes of energy policy making, and concludes by showing how and why China’s oil industry has spread across the world in the last fifteen years. Part Two analyses the political and foreign policy implications of this energy-driven expansion and the challenges this potentially poses for China’s integration into the international system. It examines a number of factors linked to this integration in the energy field, including the unpredictabilities of internal policymaking; China’s determination to promote its own critical national interests, and the general ambition of the Chinese leadership to integrate with the international system on its own terms and at its own speed. The highly topical book draws together the various dimensions of China’s international energy strategy, and provides insights into the impact of this on China’s growing international presence in various parts of the world.

Politics of Oil

Petroleum is now so deeply entrenched in our economy, our politics, and our personal expectations that even modest efforts to phase it out are fought tooth and nail by the most powerful forces in the world: companies and governments that depend on oil revenues; the developing nations that see oil as the only means to industrial success; and a Western middle class that refuses to modify its energy-dependent lifestyle. But within thirty years, by even conservative estimates, we will have burned our way through most of the oil that is easily accessible. And well before then, the side effects of an oil-based society—economic volatility, geopolitical conflict, and the climate-changing impact of hydrocarbon pollution—will render fossil fuels an all but unacceptable solution. How will we break our addiction to oil? And what will we use in its place to maintain a global economy and political system that are entirely reliant on cheap, readily available energy? Brilliantly reported from around the globe, The End of Oil brings the world situation into fresh and dramatic focus for business and general readers alike. Roberts talks to both oil optimists and oil pessimists, delves deep into the economics and politics of oil, considers the promises and pitfalls of alternatives, and shows that, although the world energy system has begun its epoch-defining transition, disruption and violent dislocation are almost assured if we do not take a more proactive stance. With the topicality and readability of Fast Food Nation and the scope and trenchant analysis of Guns, Germs, and Steel, this is a vitally important book for the new century.

Introduction to Enhanced Recovery Methods for Heavy Oil and Tar Sands

Introduction to Renewable Energy, Second Edition covers the fundamentals of renewable energy and serves as a resource to undergraduates in renewable energy courses, non-specialists within the energy industries, or anyone working to support the successful implementation of renewable energy. The second edition discusses developments that have occurred

Middle East and North Africa Unrest
Based on the author’s decades of years of experience in oil refining, Catalytic Naphtha Reforming Process conveys essential information on key concepts, operations, and practices of catalytic naphtha reforming technologies and associated oil refining processes. The book reviews collective technical and operational advancements with respect to efficient use of catalysts and catalytic reformers in oil refining and incorporates key advancements from recent developments in catalytic reforming technologies and processes. High octane reformate gasoline blendstock production via the use of high performing continuous catalyst regenerative processes is emphasized for regulated, environmentally friendly gasoline. The benefits of timely, effective process unit monitoring are covered in this book. Some of the principal objectives of this book include the need to emphasize more proactive approaches in the planning, operations and maintenance of catalytic reforming units and oil refineries. A number of recommendations are provided for enhancing the operations, reliability, and productivity of catalytic reformers and oil refineries.

Global Energy Fundamentals

Introduces the most important aspects of the oil industry and offers cogent and up-to-date information about the countries, companies, and people who shape the contemporary history of oil.

The Oil Curse

The term “Peak Oil” was born in January 2001 when Colin Campbell formed the Association for the Study of Peak Oil & Gas (ASPO). Now, Peak Oil is used thousands of times a day by journalists, politicians, industry leaders, economists, scientists and countless others around the globe. Peak Oil is not the end of oil but it tells us the end is in sight. Anyone interested in food production, economic growth, climate change or global security needs to understand this new reality. In Peeking at Peak Oil Professor Kjell Aleklett, President of ASPO International and head of the world’s leading research group on Peak Oil, describes the decade-long journey of Peak Oil from extremist fringe theory to today’s accepted fact: Global oil production is entering terminal decline. He explains everything you need to know about Peak Oil and its world-changing consequences from an insider’s perspective. In simple steps, Kjell tells us how oil is formed, discovered and produced. He uses science to reveal the errors and deceit of national and international oil authorities, companies and governments too terrified to admit the truth. He describes his personal involvement in the intrigues of the past decade. What happens when a handful of giant oil fields containing two thirds of our planet’s oil become depleted? Will major oil consumers such as the EU and US face rationing within a decade? Will oil producing nations conserve their own oil when they realize that no one will export oil to them in the future? Does Peak Oil mean Peak Economic Growth? If you want to know the real story about energy today and what the future has in store, then you need to be “Peeking at Peak Oil”.

An Introduction to Exploration Economics

This book offers practical concepts of EOR processes and summarizes the fundamentals of bioremediation of oil-contaminated sites. The first section presents a simplified description of EOR processes to boost the recovery of oil or to displace and produce the significant amounts of oil left behind in the reservoir during or after the course of any primary and secondary recovery process; it highlights the emerging EOR technological trends and the areas that need research and development; while the second section focuses on the use of biotechnology to remediate the inevitable environmental footprint of crude oil production; such is the case of accidental oil spills in marine, river, and land environments. The readers will gain useful and practical insights in these fields.

Introduction to Enhanced Oil Recovery (EOR) Processes and Bioremediation of Oil-Contaminated Sites

An Introduction to Petroleum Technology, Economics, and Politics

The Gulf crisis has once again drawn attention to the volatility of the worlds largest industry. Even in its aftermath, trends in the world oil market are unclear. Global Oil Trends provides a detailed assessment and long-term perspective of the global oil market in general and the Asia-Pacific market in particular. The 1990 oil crisis is reviewed and the possible impact of growing environmental concerns on the oil industry is discussed. For the last two decades oil demand in the Asia-Pacific region has been the highest in the world and this trend is expected to continue into the future. Global Oil Trends analyses the role of the Asia-Pacific region in the world oil market, discusses the regional oil supply-demand balance, the prospects for the trading of oil products, and the development of the oil refining industry in the region. Global Oil Trends is valuable not only for those in the oil industry but also for academicians, energy planners, university students who are concerned with the global oil situation and the dynamism of the Asia-Pacific oil market.

Global Oil Trends

Professor Li’s World Atlas of Oil and Gas Basins is a fresh and comprehensive treatise of the distribution of the world’s hydrocarbon reserves. The Atlas highlights the geographical, sedimentary and geological features of the basins, using a combination of maps and stratigraphic diagrams to depict the history, prospectivity and commercial production capacity of the reserves on a continental and country-by-country basis. The Atlas is an essential reference source for petroleum geologists and reservoir
engineers working in hydrocarbon exploration and production. It is also a valuable and original teaching aid for university graduate and postgraduate courses. The Atlas provides a welcome addition to the global database of the world's energy resources and is therefore an indispensable source of information for the formulation of future strategies to exploit oil and gas reserves. Written by one of China's foremost petroleum geologists, the Atlas provides a rare analysis of the industry from the perspective of the country whose demand for oil and gas is set to become the largest in the next few decades. It is an important and vital scholarly work.

The Politics of the Global Oil Industry

Fundamentals of Petroleum Refining

As OPEC has loosened its grip over the past ten years, the oil market has been rocked by wild price swings, the likes of which haven't been seen for eight decades. Crafting an engrossing journey from the gushing Pennsylvania oil fields of the 1860s to today's fraught and fractious Middle East, Crude Volatility explains how past periods of stability and volatility in oil prices help us understand the new boom-bust era. Oil's notorious volatility has always been considered a scourge afflicting not only the oil industry but also the broader economy and geopolitical landscape; Robert McNally makes sense of how oil became so central to our world and why it is subject to such extreme price fluctuations. Tracing a history marked by conflict, intrigue, and extreme uncertainty, McNally shows how— even from the oil industry's first years—wild and harmful price volatility prompted industry leaders and officials to undertake extraordinary efforts to stabilize oil prices by controlling production. Herculean market interventions—first, by Rockefeller's Standard Oil, then, by U.S. state regulators in partnership with major international oil companies, and, finally, by OPEC—succeeded to varying degrees in taming the beast. McNally, a veteran oil market and policy expert, explains the consequences of the ebbing of OPEC's power, debunking myths and offering recommendations—including mistakes to avoid—as we confront the unwelcome return of boom and bust oil prices.

Introduction to Global Energy Issues

A detailed account of the activities of BP, 1950-75.

Introduction to Oil and Gas Operational Safety

"Oil is a fairy tale, and, like every fairy tale, is a bit of a lie."—Ryszard Kapuscinski, Shah of Shahs

The scale and reach of the global oil and gas industry, valued at several trillions of dollars, is almost impossible to grasp. Despite its vast technical expertise and scientific sophistication, the industry betrays a startling degree of inexactitude and empirical disagreement about foundational questions of quantity, output, and price. As an industry typified by concentrated economic and political power, its operations are obscured by secrecy and security. Perhaps it is not surprising, then, that the social sciences typically approach oil as a metonym—of modernity, money, geopolitics, violence, corruption, curse, ur-commodity—rather than considering the daily life of the industry itself and of the hydrocarbons around which it is built. Subterranean Estates gathers an interdisciplinary group of scholars and experts to instead provide a critical topography of the hydrocarbon industry, understood not solely as an assemblage of corporate forms but rather as an expansive and porous network of laborers and technologies, representation and expertise, and the ways of life oil and gas produce at points of extraction, production, marketing, consumption, and combustion. By accounting for oil as empirical and experiential, the contributors begin to demystify a commodity too often given almost demiurgic power. Subterranean Estates shifts critical attention away from an exclusive focus on global oil firms toward often overlooked aspects of the industry, including insurance, finance, law, and the role of consultants and community organizations. Based on ethnographic research from around the world (Equatorial Guinea, Nigeria, Oman, the United States, Ecuador, Chad, the United Kingdom, Kazakhstan, Canada, Iran, and Russia), and featuring a photoessay on the lived experiences of those who inhabit a universe populated by oil rigs, pipelines, and gas flares, this innovative volume provides a new perspective on the material, symbolic, cultural, and social meanings of this multidimensional world.

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