The History Of Offshore Oil And Gas In The United States

Offshore Oil DrillingA Brief History of Offshore Oil DrillingPetroleum Geology of LibyaBreaking the Gas CeilingOffshore Pioneers: Brown & Root and the History of Offshore Oil and GasOffshore Pioneers: Brown & Root and the History of Offshore Oil and GasStrengthening the Safety Culture of the Offshore Oil and Gas IndustryHistory of the European Oil and Gas IndustryDeepwater HorizonUnraveling Environmental DisastersOffshore PipelinesMacondo Well Deepwater Horizon BlowoutOffshore Well Completion and StimulationLife on an Oil RigBP BlowoutHandbook of Offshore Oil and Gas OperationsManaging the Risk of Offshore Oil and Gas AccidentsOffshore Oil and Gas Development in the Arctic under International LawOffshore Operation FacilitiesDeath and OilHistory, Exploration & Exploitation of Oil and GasFire on the Horizon LPIn Deep WaterDeepwater Petroleum Exploration & ProductionA Brief History of Offshore Oil DrillingHigh-Performance Bolting Technology for Offshore Oil and Natural Gas OperationsThe Strategic Petroleum ReserveThe Sea of Lost OpportunityPractical Engineering Management of Offshore Oil and Gas PlatformsTexas Oil and GasEmergency Response Management of Offshore Oil SpillsHistory of the Offshore Oil and Gas Industry in Southern Louisiana, Interim ReportSpar PlatformsOffshore Safety ManagementThe Joint Development of Offshore Oil and Gas in Relation to Maritime Boundary DelimitationU. S. Offshore Oil and Gas ResourcesThe

Offshore ImperativeRisk Governance of Offshore Oil and Gas OperationsOffshore Operation FacilitiesOffshore Oil and Gas Installations Security

Offshore Oil Drilling

Practical Engineering Management of Offshore Oil and Gas Platforms delivers the first must-have content to the multiple engineering managers and clients devoted to the design, equipment, and operations of offshore oil and gas platforms. Concepts explaining how to interact with the various task forces, getting through bid proposals, and how to maintain project control are all covered in the necessary training reference. Relevant equipment and rule of thumb techniques to calculate critical features on the design of the platform are also covered, including tank capacities and motor power, along with how to consistently change water, oil, and gas production profiles over the course of a project. The book helps offshore oil and gas operators and engineers gain practical understanding of the multiple disciplines involved in offshore oil and gas projects using experience-based approaches and lessons learned. Delivers the first ever must-have content to the multiple engineering managers and clients devoted to the design, equipment, and operations of offshore oil and gas platforms Contains rules of thumb techniques to calculate critical features on the design of the platform Includes practical checklists for project estimates and cost evaluation for effective project execution in budgeting and scheduling Helps offshore oil and gas operators and engineers gain practical

understanding of the multiple disciplines involved in offshore oil and gas projects using experience-based approaches and lessons learned

A Brief History of Offshore Oil Drilling

Author and historian Bruce A. Beaubouef examines, for the first time, the interactions that have shaped the development of the Strategic Petroleum Reserve (SPR). In a time of continued vulnerability, this definitive work will be of interest to those concerned with the history, economy, and politics of the oil and gas industry, as well as to historians and practitioners of oil and energy policy.

Petroleum Geology of Libya

This volume examines the design, analysis, and use of spar platforms for offshore oil drilling and production in deep and remote areas.

Breaking the Gas Ceiling

Examines the hardships of working on an oil rig and looks at the history of drilling, the engineering challenges encountered, and the danger involved.

Offshore Pioneers: Brown & Root and the History of Offshore Oil and Gas

While the public is generally aware of the use of hydraulic fracturing for unconventional resource development onshore, it is less familiar with the well

completion and stimulation technologies used in offshore operations, including hydraulic fracturing, gravel packs, "fracpacks," and acid stimulation. Just as onshore technologies have improved, these well completion and stimulation technologies for offshore hydrocarbon resource development have progressed over many decades. To increase public understanding of these technologies, the National Academies of Sciences, Engineering, and Medicine established a planning committee to organize and convene a workshop on Offshore Well Completion and Stimulation: Using Hydraulic Fracturing and Other Technologies on October 2-3, 2017, in Washington, DC. This workshop examined the unique features about operating in the U.S. offshore environment, including well completion and stimulation technologies, environmental considerations and concerns, and health and safety management. Participants from across government, industry, academia, and nonprofit sectors shared their perspectives on operational and regulatory approaches to mitigating risks to the environment and to humans in the development of offshore resources. This publication summarizes the presentations and discussions from the workshop.

Offshore Pioneers: Brown & Root and the History of Offshore Oil and Gas

The Deepwater Horizon catastrophe is shaping up to be the largest offshore oil spill in history and an ecological nightmare of epic proportions. Emergency Response Management of Offshore Oil Spills is

intended to aid in the response of this tragic disaster by providing, in one volume, information to rapidly orient response workers. It outlines the toxic nature of crude oil, covering properties of crude oil, chemical composition, toxicity to humans and marine life, and investigates the impact of oil spills from historical case studies. The current arsenals available to address oil spills, such as dispersants, absorbing booms, skinning, and other methods are also discussed. Technologies which are rapidly being developed to address the Gulf Oil Spill are considered, alongside with extensive information on chemical protective clothing, air monitoring, respiratory protection, management of waste, and much more. The book concludes with a chapter discussing responsible care and takes a critical look at the reasons why the Deepwater Horizon Rig catastrophe happened and the failure of British Petroleum to act in a responsible manner.

Strengthening the Safety Culture of the Offshore Oil and Gas Industry

This edited volume discusses scientific and technological aspects of the history of the oil and gas industry in national and international contexts. The search for oil for industrial uses began in the nineteenth century, the first drills made in Azerbaijan and the United States. This intense search for a substance to become one of the most important energy sources was, many times, based on skill as well as luck, resulting in knowledge and the development of prospecting and exploration

technologies. The demand for oil improved expertise in geological science, in areas such as micropaleontology, stratigraphy or sedimentology and informed different disciplines such as geophysics. These contributions made possible not only the discovery of new oil fields but also new applications and methods of exploration. Beyond the scientific and technological aspects, an industry that grew to such considerable size also impacted the political, economic, social, cultural, environmental and diplomatic issues in history. The book approaches these changes in different scales, countries, areas, and perspectives. This edited book appeals to researchers, student, practitioners in various fields from geology and geophysics to history. It is also an important resource for professionals in the oil and gas industry.

History of the European Oil and Gas Industry

Original publisher: [Washington, D.C.]: National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling, [2010] OCLC Number: (OCoLC)671643215 Subject: Oil well drilling rigs -- History. Excerpt: 18 distance from each lease. In Fiscal Year 2009, Alabama, Louisiana, Mississippi, and Texas and their eligible local governments received a total of $ 25 million dollars. Deepwater as the New Frontier The share of deepwater production in the current U.S. and world energy mix understates its importance for the future, at least as it was understood before the BP Deepwater Horizon

accident. With high per-capita energy demands in the developed economies and dramatically rising levels of consumption in emerging economies, most experts project tRe o ld s appetite fo oil a d otRe fuels to grow for the foreseeable future. The role of deepwater oil and gas in providing that energy is also likely to grow. According to a recent report by IHS-CERA, global deepwater production capacity has more than tripled since 2000. Ten years ago, capacity stood at 1.5 million barrels per day in water depths over 2,000 feet. By 2009 it had risen to over 5 million barrels per day. Deepwater discoveries also comprise a significant portion of new finds. In 2008 total oil and gas discovered in deep water globally exceeded 19 the volume found onshore and in shallow water combined. The Gulf of Mexico has been only a part of the global offshore boom. Substantial exploration and development has also taken place off the coasts of Brazil and the West Africa. Interest in other, more challenging areas has been growing. Oil companies are looking to expand American production into new offshore areas, particularly Alaska and Virginia. Russian oil and gas companies are reviewing plans to develop areas in the Arctic, while Norway and Canada are assessing similar projects. There are two key hurdles to new ultra-deepwater drilling. First, oil companies must be willing to invest substantial

Deepwater Horizon

This book is a contribution to the history of a vital stage of UK technical and economic development, perhaps the most important since the Second World

War. It shows, from an industrial viewpoint, how the British handled the exploitation of their most significant natural resource gain of the 20th century. Notwithstanding the nearly 30 years of government support through the Offshore Supplies Office, the UK has not reaped the full benefit of the North Sea discoveries; this book attempts to explain why. It will assist governments and industries faced with future instances of unforeseen, specialist and large-scale new demand to manage their reactions more effectively. It also throws light on how governments can pursue strategic industrial objectives while leaving market mechanisms to function with minimal interference, something some administrations – perhaps even the British – may wish to do now or in the future. Covers the entire period from the first well offshore Britain until the dismantling of the specific British industrial policy measures for offshore supplies Based in large measure upon archives not previously accessed and the private testimony/papers of participants 'Drills down' to the level of individual company decisions through case study and other material The only properly researched description of how the world's first major local content initiative developed

Unraveling Environmental Disasters

Commercially significant amounts of crude oil and natural gas lie under the continental shelf of the United States. Advances in locating deposits, and improvements in drilling and recovery technology, have made it technically and economically feasible to

extract these resources under harsh conditions. But extracting these offshore petroleum resources involves the possibility, however remote, of oil spills, with resulting damage to the ocean and the coastline ecosystems and risks to life and limb of those performing the extraction. The environmental consequences of an oil spill can be more severe underwater than on land because sea currents can quickly disperse the oil over a large area and, thus, cleanup can be problematic. Bolted connections are an integral feature of deep-water well operations. High-Performance Bolting Technology for Offshore Oil and Natural Gas Operations summarizes strategies for improving the reliability of fasteners used in offshore oil exploration equipment, as well as best practices from other industrial sectors. It focuses on critical boltingâ€"bolts, studs, nuts, and fasteners used on critical connections.

Offshore Pipelines

Macondo Well Deepwater Horizon Blowout

Texas Oil and Gas documents in postcards the rapid growth of the Texas petroleum industry from its beginnings near Corsicana in the 1890s through the next several decades of oil booms throughout the state. The young 20th century opened with the Lucas Gusher at Spindletop in 1901. Thousands rushed from the oilfields of Pennsylvania, Ohio, and West Virginia to find work and riches. Continued drilling success

along the Texas Gulf Coast transformed Houston into a major city and the Beaumont area into a major petrochemical center. Through the 1910s and 1920s, oil booms occurred in North Texas, the Panhandle, Central Texas, and West Texas. The giant East Texas oilfield, the second largest North American oilfield to Alaska's North Slope, was discovered in 1930. Texas oil replaced coal as fuel for the nation's railroads and provided fuel for our military in two world wars.

Offshore Well Completion and Stimulation

Oil and natural gas, which today account for over 60% of the world’s energy supply, are often produced by offshore platforms. One third of all oil and gas comes from the offshore sector. However, offshore oil and gas installations are generally considered intrinsically vulnerable to deliberate attacks. The changing security landscape and concerns about the threats of terrorism and piracy to offshore oil and gas installations are major issues for energy companies and governments worldwide. But, how common are attacks on offshore oil and gas installations? Who attacks offshore installations? Why are they attacked? How are they attacked? How is their security regulated at the international level? How has the oil industry responded? This timely and first of its kind publication answers these questions and examines the protection and security of offshore oil and gas installations from a global, industry-wide and company-level perspective. Looking at attacks on offshore installations that occurred throughout history

of the offshore petroleum industry, it examines the different types of security threats facing offshore installations, the factors that make offshore installations attractive targets, the nature of attacks and the potentially devastating impacts that can result from attacks on these important facilities. It then examines the international legal framework, state practice and international oil and gas industry responses that aim to address this vital problem. Crucially, the book includes a comprehensive dataset of attacks and security incidents involving offshore oil and gas installations entitled the Offshore Installations Attack Dataset (OIAD). This is an indispensable reference work for oil and gas industry professionals, company security officers, policy makers, maritime lawyers and academics worldwide.

Life on an Oil Rig

The story of the worst environmental disaster in American history and its enduring consequences BP Blowout is the first comprehensive account of the legal, economic, and environmental consequences of the disaster that resulted from the April 2010 blowout at a BP well in the Gulf of Mexico. The accident, which destroyed the Deepwater Horizon oil rig, killed 11 people. The ensuing oil discharge–the largest ever in U.S. waters—polluted much of the Gulf for months, wreaking havoc on its inhabitants and the environment. A management professor and former award-winning Justice Department lawyer responsible for enforcing environmental laws, Daniel Jacobs tells the story that neither BP nor the federal government

wants heard: how the company and the government fell short, both in terms of preventing and responding to the disaster. Critical details about the cause and aftermath of the disaster have emerged through court proceedings and with time. The key finding of the federal judge who presided over the civil litigation was that the blowout resulted from BP's gross negligence. BP has paid tens of billions of dollars to settle claims and lawsuits. The company also has pled guilty to manslaughter in a separate criminal case, but no one responsible for the tragedy is going to prison. BP Blowout provides new and disturbing details in a definitive narrative that takes the reader inside BP, the White House, Congress and the courthouse. This is an important book for readers interested in the environment, sustainability, public policy, leadership, and risk management.

BP Blowout

In 2010 BP's Deepwater Horizon catastrophe spiraled into the worst human-made economic and ecological disaster in Gulf Coast history. In the most comprehensive account to date, senior systems engineers Earl Boebert and James Blossom show how corporate and engineering decisions, each one individually innocuous, interacted to create the disaster.

Handbook of Offshore Oil and Gas Operations

The international petroleum industry has long been

known the world over as a "good old boys' club" and nowhere is the oil and gas industry's gender imbalance more apparent than offshore. The untold story, shared in these pages, is about the women who have been among the first to inhabit this world, and whose stories previously have been a missing part of the history of the industry. "As a CEO, I believe it is imperative for today's generation of young women to realize there is a seat for them in the boards of oil & gas companies as the "gas ceiling" can be broken quicker and easier than before. Reading this book, they will think about these women who have gone before them and broken down those barriers in order to give them new opportunities." -- Maria Moraeus Hanssen, CEO, DEA Deutsche Erdoel AG "My belief is that diversity is key to both creativity and solid long-term business results. Even in a country like Norway, where professional gender diversity is greater than in any other country I have had interactions with, we have an underrepresentation of women in top management positions. I would therefore like to express my appreciation to Rebecca Ponton for keeping this important subject on the agenda by presenting to us positive, impressive and, at the same time, obtainable role models." -- Grethe K. Moen, CEO and President, Petoro AS "As the industry now is more complex and faces more uncertainty, women will be more important contributors, especially in management and communication. Women could be just what is needed!" -- Karen Sund, Founder Sund Energy AS "Everyone needs role models – and role models that look like you are even better. For women, the oil and gas industry has historically been pretty thin on role models for young women to look up to.

Rebecca Ponton has provided an outstanding compilation of role models for all women who aspire to success in one of the most important industries of modern times." -- Dave Payne, Chevron VP Drilling & Completions Learn more at www.BreakingTheGlassCeiling.com From the World Voices Series at Modern History Press www.ModernHistoryPress.com

Managing the Risk of Offshore Oil and Gas Accidents

After World War II, the discovery and production of onshore oil in the United States faced decline. As a result, offshore prospects in the Gulf of Mexico took on new strategic value. Shell Oil Company pioneered many of the early moves offshore and continues to lead the way into “deepwater.” Tyler Priest’s study is the first time the modern history of Shell Oil has been told in any detail. Drawing on interviews with Shell retirees and many other sources, Priest relates how the imagination, talent, and hard work of personnel at all levels shaped the evolution of the company. The narrative also covers important aspects of Shell Oil’s corporate evolution, but the company’s pioneering steps into the deepwater fields of the Gulf of Mexico are its signature achievement. Priest’s study demonstrates that engineers did not suddenly create methods for finding and producing oil and gas from astounding water depths. Rather, they built on a half-century of accumulated knowledge and improvements to technical systems. Shell Oil’s story is unique, but it also illuminates the modern history of

the petroleum industry. As Priest demonstrates, this company's experiences offer a starting point for examining the understudied topics of strategic decision-making, scientific research, management of technology, and corporate organization and culture within modern oil companies, as well as how these activities applied to offshore development. ". . . tells a dramatic story of imaginative businessmen and engineers who propelled Shell forward in the search for ways to locate and recover oil from the depths of the sea."—Southwestern Historical Quarterly "This book's narrative is sustained throughout by easily understood explanations of the technical details of drilling and production."—Journal of Southern History

Offshore Oil and Gas Development in the Arctic under International Law

Fifty years ago, in November 1947, Brown & Root helped Kerr-McGee build the first out-of-sight-land offshore platform that produced oil. The date is widely celebrated as the birth of the modern offshore industry. In the years since this historic occasion, Brown & Root has continued to pioneer in the design and construction of offshore pipelines and platforms. Along with the rest of the offshore industry, the company has helped develop technology capable of finding and producing oil in deepwater and in harsh environments around the world. This history puts a human face on the process of technological change. Using the words of many of those who took part in Brown & Root's offshore activities, this book recounts their efforts to find practical ways to recover offshore

oil. Building on lessons learned in the Gulf of Mexico before and after World War II, the company's personnel adapted offshore technologies to conditions encountered in Venezuela, the Middle East, Alaska, and other regions before becoming one of the first engineering and construction companies to confront the challenge of North Sea development in the 1960's. Through times of boom and bust in the oil industry, the search for effective technology had continued. The process has not always been smooth, but the results have been impressive. As we enter a new and exciting era in offshore technology, the history of the first fifty years of the industry provides a useful context for understanding current and future events.

Offshore Operation Facilities

Offshore Pipelines covers the full scope of pipeline development from pipeline designing, installing, and testing to operating. It gathers the authors' experiences gained through years of designing, installing, testing, and operating submarine pipelines. The aim is to provide engineers and management personnel a guideline to achieve cost-effective management in their offshore and deepwater pipeline development and operations. The book is organized into three parts. Part I presents design practices used in developing submarine oil and gas pipelines and risers. Contents of this part include selection of pipe size, coating, and insulation. Part II provides guidelines for pipeline installations. It focuses on controlling bending stresses and pipe stability during

laying pipelines. Part III deals with problems that occur during pipeline operations. Topics covered include pipeline testing and commissioning, flow assurance engineering, and pigging operations. This book is written primarily for new and experienced engineers and management personnel who work on oil and gas pipelines in offshore and deepwater. It can also be used as a reference for college students of undergraduate and graduate levels in Ocean Engineering, Mechanical Engineering, and Petroleum Engineering. * Pipeline design engineers will learn how to design low-cost pipelines allowing long-term operability and safety. * Pipeline operation engineers and management personnel will learn how to operate their pipeline systems in a cost effective manner. * Deepwater pipelining is a new technology developed in the past ten years and growing quickly.

Death and Oil

The blowout of the Macondo well on April 20, 2010, led to enormous consequences for the individuals involved in the drilling operations, and for their families. Eleven workers on the Deepwater Horizon drilling rig lost their lives and 16 others were seriously injured. There were also enormous consequences for the companies involved in the drilling operations, to the Gulf of Mexico environment, and to the economy of the region and beyond. The flow continued for nearly 3 months before the well could be completely killed, during which time, nearly 5 million barrels of oil spilled into the gulf. Macondo Well-Deepwater Horizon Blowout examines the causes of the blowout and

provides a series of recommendations, for both the oil and gas industry and government regulators, intended to reduce the likelihood and impact of any future losses of well control during offshore drilling. According to this report, companies involved in offshore drilling should take a "system safety" approach to anticipating and managing possible dangers at every level of operation -- from ensuring the integrity of wells to designing blowout preventers that function under all foreseeable conditions-- in order to reduce the risk of another accident as catastrophic as the Deepwater Horizon explosion and oil spill. In addition, an enhanced regulatory approach should combine strong industry safety goals with mandatory oversight at critical points during drilling operations. Macondo Well-Deepwater Horizon Blowout discusses ultimate responsibility and accountability for well integrity and safety of offshore equipment, formal system safety education and training of personnel engaged in offshore drilling, and guidelines that should be established so that well designs incorporate protection against the various credible risks associated with the drilling and abandonment process. This book will be of interest to professionals in the oil and gas industry, government decision makers, environmental advocacy groups, and others who seek an understanding of the processes involved in order to ensure safety in undertakings of this nature.

History, Exploration & Exploitation of Oil and Gas

Rev. ed. of: Deepwater petroleum exploration & production. c2003.

Fire on the Horizon LP

Unraveling Environmental Disasters provides scientific explanations of the most threatening current and future environmental disasters, including an analysis of ways that the disaster could have been prevented and how the risk of similar disasters can be minimized in the future. Treats disasters as complex systems. Provides predictions based upon sound science, such as what the buildup of certain radiant gases in the troposphere will do, or what will happen if current transoceanic crude oil transport continues. Considers the impact of human systems on environmental disasters.

In Deep Water

Offshore Operation Facilities: Equipment and Procedures provides new engineers with the knowledge and methods that will assist them in maximizing efficiency while minimizing cost and helps them prepare for the many operational variables involved in offshore operations. This book clearly presents the working knowledge of subsea operations and demonstrates how to optimize operations offshore. The first half of the book covers the fundamental principles governing offshore engineering structural design, as well as drilling operations, procedures, and equipment. The second part includes common challenges of deep water oil

and gas engineering as well as beach (shallow) oil engineering, submarine pipeline engineering, cable engineering, and safety system engineering. Many examples are included from various offshore locations, with special focus on offshore China operations. In the offshore petroleum engineering industry, the ability to maintain a profitable business depends on the efficiency and reliability of the structure, the equipment, and the engineer. Offshore Operation Facilities: Equipment and Procedures assists engineers in meeting consumer demand while maintaining a profitable operation. Comprehensive guide to the latest technology, strategies, and best practices for offshore operations Step-by-step approach for dealing with common challenges such as deepwater and shallow waters Includes submarine pipeline, cable engineering, and safety system engineering Unique examples from various offshore locations around the world, with special focus on offshore China

Deepwater Petroleum Exploration & Production

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finding and producing oil in deepwater and in harsh environments around the world. This history puts a human face on the process of technological change. Using the words of many of those who took part in Brown & Root's offshore activities, this book recounts their efforts to find practical ways to recover offshore oil. Building on lessons learned in the Gulf of Mexico before and after World War II, the company's personnel adapted offshore technologies to conditions encountered in Venezuela, the Middle East, Alaska, and other regions before becoming one of the first engineering and construction companies to confront the challenge of North Sea development in the 1960's. Through times of boom and bust in the oil industry, the search for effective technology had continued. The process has not always been smooth, but the results have been impressive. As we enter a new and exciting era in offshore technology, the history of the first fifty years of the industry provides a useful context for understanding current and future events.

A Brief History of Offshore Oil Drilling

Describes the causes of the Deepwater Horizon explosion and the environmental, economic, and social damage done by the subsequent oil spill, and suggests ways to prevent another such disaster through decreased dependence on petroleum products.

High-Performance Bolting Technology for Offshore Oil and Natural Gas Operations

"TRB Special Report 321: Strengthening the Safety Culture of the Offshore Oil and Gas Industry offers recommendations to industry and regulators to strengthen and sustain the safety culture of the offshore oil and gas industry. The committee that prepared the report addresses conceptual challenges in defining safety culture and discusses the empirical support for the definition of safety culture offered by the Bureau of Safety and Environmental Enforcement, the nine characteristics or elements of a robust safety culture, methods for assessing company safety culture, and barriers to improving safety culture in the offshore industry. The committee's report also identifies topics on which further research is needed with respect to assessing, improving, and sustaining safety culture"--Provided by publisher.

The Strategic Petroleum Reserve

The Bureau of Ocean Energy Management (BOEM) is a agency within the U.S. Department of Interior. BOEM has four sections that cover the United States' waters: Alaska OCS Region, Pacific OCS Region, Gulf of Mexico OCS Region and the Atlantic OCS Region. The Gulf of Mexico OCS Region is responsible for almost 160 million acres of lands off the coast of Texas, Louisiana, Mississippi, Alabama, and Florida. Currently, more than 31 million acres are leased for gas and oil development, and six million are actually producing oil and natural gas. The Gulf of Mexico Region is in charge of addressing the Environment, Leasing and Plans, and Resource Evaluation. The publish a variety of documents with topics such as:

Marine Biology, Natural Gas, Oil Spills, Transportation, Chemical Products, etc. This is one of those publications.

The Sea of Lost Opportunity

Documents the events of the 1988 oil rig disaster on the North Sea, drawing on interviews with survivors and family members, the Occidental Petroleum company and rescue workers to trace the gas leak that triggered the explosion and the devastation it continues to inflict. By the author of Jacques Cousteau.

Practical Engineering Management of Offshore Oil and Gas Platforms

Offshore Operation Facilities: Equipment and Procedures provides new engineers with the knowledge and methods that will assist them in maximizing efficiency while minimizing cost and helps them prepare for the many operational variables involved in offshore operations. This book clearly presents the working knowledge of subsea operations and demonstrates how to optimize operations offshore. The first half of the book covers the fundamental principles governing offshore engineering structural design, as well as drilling operations, procedures, and equipment. The second part includes common challenges of deep water oil and gas engineering as well as beach (shallow) oil engineering, submarine pipeline engineering, cable engineering, and safety system engineering. Many

examples are included from various offshore locations, with special focus on offshore China operations. In the offshore petroleum engineering industry, the ability to maintain a profitable business depends on the efficiency and reliability of the structure, the equipment, and the engineer. Offshore Operation Facilities: Equipment and Procedures assists engineers in meeting consumer demand while maintaining a profitable operation. Comprehensive guide to the latest technology, strategies, and best practices for offshore operations Step-by-step approach for dealing with common challenges such as deepwater and shallow waters Includes submarine pipeline, cable engineering, and safety system engineering Unique examples from various offshore locations around the world, with special focus on offshore China

Texas Oil and Gas

Petroleum Geology of Libya, Second Edition, systematically reviews the exploration history, plate tectonics, structural evolution, stratigraphy, geochemistry and petroleum systems of Libya, and includes valuable new chapters on oil and gas fields, production, and reserves. Since the previous edition, published in 2002, there have been numerous developments in Libya, including the lifting of sanctions, a new licensing system, with licensing rounds in 2004, 2005, 2006, and 2007, many new exploratory wells, discoveries and field developments, and a change of regime. A large amount of new data has been published on the geology of Libya in the

past fourteen years, but it is widely scattered through the literature. Much of the older data has been superseded, and several of the key publications, especially those published in Libya, are difficult to access. This second edition provides an updated source of reference which incorporates much new information, particularly on petroleum systems, reserves, oil and gas fields, play fairways, and remaining potential. It presents the results of recent research and a detailed description of Libyan offshore geology. The book includes an extensive and comprehensive bibliography. Presents over 180 full colour illustrations including maps, diagrams and charts, illustrating the key concepts in a clear and concise manner Authored by two recognized world authorities on geology in Libya, with over 40 years' experience in Libya between them Provides an expanded and updated version of the bestselling previous edition, nicknamed the Explorationist's Bible Lays the foundation for the post-revolution exploration age in Libya

Emergency Response Management of Offshore Oil Spills

A real-life thriller in the tradition of The Perfect Storm, Fire on the Horizon recounts the life of the Deepwater Horizon drilling rig—from its construction in South Korea in the year 2000 to its journey around the world to its disastrous end. On and off the rig, Fire on the Horizon reveals the particulars of a culture most of us have never known, from the small maritime colleges to Transocean's training schools and Houston

headquarters, and culminates in the harrowing minute-by-minute account of the fateful day, April 20, 2010, when the half-billion-dollar rig blew up, taking the lives of eleven people and leaving an unprecedented swath of natural destruction in its fiery wake.

History of the Offshore Oil and Gas Industry in Southern Louisiana, Interim Report

This book addresses the international legal dimension of the management of the risk of accidents associated with offshore oil and gas activities. It focuses on the prevention and minimization of harm as well as the post-accident management of loss through liability and compensation arrangements and the processing of mass claims for compensation. Government officials of countries with offshore industries, international civil servants and academics in related fields will find the book a valuable resource.

Spar Platforms

Offshore Oil and Gas Development in the Arctic under International Law explores the international legal framework for hydrocarbon development in the marine Arctic.

Offshore Safety Management

Presents an overview of offshore oil drilling, its history, the disaster on the Deepwater Horizon rig,

and the debates relating to its environmental impact and alternatives.

The Joint Development of Offshore Oil and Gas in Relation to Maritime Boundary Delimitation

The history of the European oil and gas industry reflects local as well as global political events, economic constraints and the personal endeavours of individual petroleum geoscientists as much as it does the development of technologies and the underlying geology of the region. The first commercial oil wells in Europe were drilled in Poland in 1853, Romania in 1857, Germany in 1859 and Italy in 1860. The 23 papers in this volume focus on the history and heritage of the oil and gas industry in the key European oil-producing countries from the earliest onshore drilling to its development into the modern industry that we know today. The contributors chronicle the main events and some of the major players that shaped the industry in Europe. The volume also marks several important anniversaries, including 150 years of oil exploration in Poland and Romania, the centenary of the drilling of the first oil well in the UK and 50 years of oil production from onshore Spain.

U. S. Offshore Oil and Gas Resources

Handbook of Offshore Oil and Gas Operations is an authoritative source providing extensive up-to-date coverage of the technology used in the exploration,

drilling, production, and operations in an offshore setting. Offshore oil and gas activity is growing at an expansive rate and this must-have training guide covers the full spectrum including geology, types of platforms, exploration methods, production and enhanced recovery methods, pipelines, and envinronmental managment and impact, specifically worldwide advances in study, control, and prevention of the industry's impact on the marine environment and its living resources. In addition, this book provides a go-to glossary for quick reference. Handbook of Offshore Oil and Gas Operations empowers oil and gas engineers and managers to understand and capture on one of the fastest growing markets in the energy sector today. Quickly become familiar with the oil and gas offshore industry, including deepwater operations Understand the full spectrum of the business, including environmental impacts and future challenges Gain knowledge and exposure on critical standards and real-world case studies

The Offshore Imperative

Contents: (1) Intro. and Background; (2) Legislative Issues; (3) U.S. Oil and Gas Supply and Demand: U.S. Oil, and Natural Gas Markets; Econ. Effects; Greater OCS Access and Supply; (4) Oil and Gas Reserves and Resources in the OCS; Resource Est. and Technological Change; OCS Resource Est.; Resource Est. by Planning Area, and by Water Depth; (5) OCS Leasing Process and Program; (6) OCS Revenues: Revenue Sharing or Not?; Royalty Revenue Est.;

Environ. Concerns Assoc. with Offshore Exploration and Develop.; Offshore Areas Currently Protected; General Environ. Regulations and Requirements for Offshore Exploration and Production; (7) Environ. Impact Statements: Oil Spills and Leaks; Seismic Surveys and Industrial Noise. Illus.

Risk Governance of Offshore Oil and Gas Operations

Offshore Operation Facilities

Offshore Safety Management, Second Edition provides an experienced engineer's perspective on the new Safety and Environmental System (SEMS) regulations for offshore oil and gas drilling, how they compare to prior regulations, and how to implement the new standards seamlessly and efficiently. The second edition is greatly expanded, with increased coverage of technical areas such as engineering standards and drilling, and procedural areas such as safety cases and formal safety assessments. The new material both complements the SEMS coverage and increases the book's relevance to a global audience. Following the explosion, fire, and sinking of the Deepwater Horizon floating drilling rig in April 2010, the Bureau of Ocean Energy Management, Regulations, and Enforcement (BOEMRE) issued many new regulations. One of them was the Safety and Environmental System rule, which is based on the American Petroleum Institute's SEMP recommended practice, finalized in April 2013. Author Ian Sutton

explains the SEMS rule, and describes what must be done to achieve compliance. Each of the twelve elements of the SEMS rule (such as Management of Change and Safe Work Practices) is described in the book, and guidance is provided on how to meet BOEMRE requirements. Detailed explanation of how to implement the new SEMS standard for offshore operations Ties the new regulations in with existing safety management approaches, helping managers leverage existing processes and paperwork With CEOs now signing off on compliance paperwork, this book provides expert insights so you can get SEMS compliance right the first time

Offshore Oil and Gas Installations Security

This book evaluates and compares risk regulation and safety management for offshore oil and gas operations in the United States, United Kingdom, Norway, and Australia. It provides an interdisciplinary approach with legal, technological, and sociological perspectives on their efforts to assess and prevent major accidents and improve safety performance offshore. Presented in three parts, the volume begins with a review of the technical, legal, behavioral, and sociological factors involved in designing, implementing, and enforcing a regulatory regime for industrial safety. It then evaluates the four regulatory regimes that encompass the cultural, legal, and other contextual factors that influence their design and implementation, along with their reliance on industrial expertise and standards and the use of performance

indicators. The final section presents an assessment of the resilience of the Norwegian regime and its capacity to keep pace with new technologies and emerging risks, respond to near miss incidents, encourage safety culture, incorporate vested rights of labor, and perform inspection and self-audit functions. This book is highly relevant for those in government, business, academia, and elsewhere in civil society who are involved in offshore safety issues, including regulatory authorities and industrial safety professionals.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION