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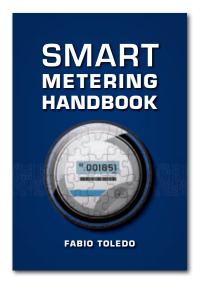


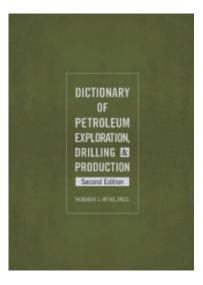


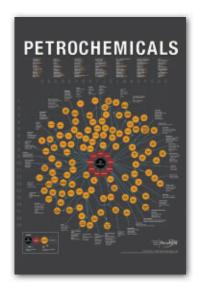












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INTERNATIONAL ENERGY MARKETS: UNDERSTANDING PRICING, POLICIES & PROFITS, 2ND EDITION

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HANDBOOK OF OIL INDUSTRY TERMS & PHRASES, 6TH EDITION

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See page 40 for details.

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by Ashis Nag

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See page 41 for details.

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FIND IT. BOOK IT. GROW IT. A ROBUST PROCESS FOR ACCOUNT ACQUISITION IN ELECTRONICS MANUFACTURING SERVICES

by Susan E. Mucha

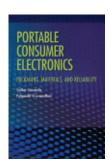
In her authoritative book, Susan E. Mucha explores in great detail the entire account acquisition process of companies in the electronics manufacturing services (EMS) industry. EMS companies face the challenges of a 12- to 18-month sales cycle, low margins and geographically scattered customer bases making it difficult to grow the business and reach target markets. Growing the business requires a differentiation strategy and a focused process for maintaining mindshare within a diverse target market. Calling upon her 20 years' experience in the industry, Mucha maps the process of building a differentiated brand while creating a repeatable, consistent sales process, and addresses strategies for account retention and growth.

Contents:

Part One: Building a brand • Understanding competitive advantage in EMS offerings • Analyzing a company's strengths and weaknesses • Marketing strategy and tactics • Part Two: Creating a robust selling process • Account acquisition dynamics • Optimizing the sales process • Critical elements in closing accounts • Part Three: Growing existing accounts • Basic tools for building sustaining account relationships • Developing an account growth planning model • Part Four: Implementing the process • Selling is as process-driven as manufacturing

240 Pages/Hardcover/2008

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PORTABLE CONSUMER ELECTRONICS: PACKAGING, MATERIALS, AND RELIABILITY

by Sridhar Canumalla and Puligandla Viswanadham

Portable consumer electronic devices have experienced exponential growth in recent years. Although the reliability implications and performance criteria of these products are significantly different from electronic hardware of the past, no single volume has covered the materials, design, and reliability aspects of these products until the publication of this book.

Written by two noted leaders of the electronics industry, *Portable Consumer Electronics* provides a comprehensive account of the key aspects of packaging for portable consumer electronic devices, including first- and second-level packaging; printed wiring board technology; assembly technology; reliability statistics and engineering; and failure analysis. *Portable Consumer Electronics: Packaging, Materials, and Reliability* will be beneficial to practicing engineers, product development managers, technologists, and designers involved in the electronics industry.

Contents:

Introduction • Packaging challenges • Printed wiring board technology • Component technologies/first level packaging • Interconnect technologies at the second level • Printed wiring boards assembly • Essentials of reliability statistics • Reliability of electronic assemblies • Failures and prevention • Future trends in portable electronic products • References • Appendices • The authors • Index

454 Pages/Hardcover/2010

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CHIP DESIGN FOR NON-DESIGNERS: AN INTRODUCTION

by Juan-Antonio Carballo, Ph.D.

Chip Design for Non-Designers: An Introduction provides a practical introduction to modern chip design methodologies. It is intended for manufacturing-oriented and other non-design professionals with an interest in the pre-tape-out design side. The book concentrates on functional, logic, circuit, and layout design using state-of-the-art methods and tools. More focus is given to the most popular design styles, including semi-custom design. Many practical and useful examples are included throughout and are excellent guides toward a direct use of the concepts.

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THE SMT STEP-BY-STEP COLLECTION 2006

by PennWell Corp.

The SMT Step-by-Step Series columns are a mainstay for surface mount assembly readers. Written by prominent industry leaders, each column addresses a critical step in the manufacturing process, from the initial design stages through final rework. This technology-driven series represents the most advanced research and creative solutions for one of the most complex and capital intensive industries in the world economy.

In addition to the step series, SMT also includes its lead-free series of columns published in 2005. As the world prepares for lead-free manufacturing and the enactment of the Restrictions on Hazardous Materials directive, massive changes are happening for the surface mount assembly sector. The inclusion of these articles represents a year's worth of counsel, technology and research at a critical time for the industry.

123 Pages/Softcover/2006

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WIND POWER: THE INDUSTRY GROWS UP

by Rebecca L. Busby

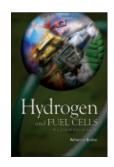
In her timely new book, best-selling author Rebecca Busby provides a balanced, comprehensive view of the wind power industry. Dr. Jon G. McGowan recommends this well-written and well-documented book as "required reading for people who want to obtain an initial overview of this most interesting energy field."

Contents:

Overview: how wind power works • Components: what's a wind turbine made of? • Wind power system design: combining strength and flexibility • Small wind power: traditional systems and alternative designs • Assessment: mapping and measuring the world's wind • Wind farms: developing and operating wind power plants • Wind power integration: striking a new balance • Transmission and storage: facilitating wind power integration • Offshore wind: entering the mainstream • Advanced technologies: R&D, testing, and new twists on old ideas ● The global wind industry: markets, business, and government policy ● Environmental and economic issues: wind power grows up

568 Pages/Hardcover/2012

\$79.00 us ISBN 1-59370-244-2 ISBN13 978-1-59370-244-1



HYDROGEN AND FUEL CELLS: A COMPREHENSIVE GUIDE

by Rebecca L. Busby

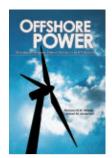
Rebecca Busby's book explains why hydrogen has emerged as an essential area for research and technology development worldwide. It explores the forces driving the market for hydrogen-powered fuel cells, as well as the technical and economic barriers that could derail a transition toward hydrogen energy systems. The book reviews hydrogen's history, and discusses current and future applications for hydrogen fuel cells. It also explains in concise language how hydrogen is produced, stored, and transported, and it discusses the economics of these activities and their environmental impact. The book's appendices provide more technical details, such as cost calculations.

Contents:

Concept and vision • Drivers and barriers • Fundamentals and background • Applications and markets • Production and supply Storage and safety
 Transportation and distribution
 Appendices

445 Pages/Hardcover/2005

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OFFSHORE POWER: BUILDING RENEWABLE ENERGY PROJECTS IN U.S. **WATERS**

by Markian M.W. Melnyk and Robert M. Andersen

As the United States seeks ways to meet the ever-increasing power needs of its large coastal population areas, there's a growing focus on the plentiful renewable energy resources located just offshore. In their insightful book, energy experts Markian Melnyk and Robert Andersen outline the important new offshore options available to a nation on the threshold of a green revolution. The experience gained by early offshore oil and gas prospectors, as well as by more recent developers of European offshore wind, wave, and tidal energy projects, provide a wealth of knowledge that can be readily transferred to North American marine energy projects. Whether you're a developer, financial backer, or regulator, Offshore Power charts a course for long-term deployment of marine renewable energy facilities, and creates a compelling picture of a greener future.

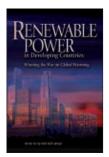
Contents:

Acronyms and abbreviations • Stepping off dry land: The case for offshore renewable energy • An unfamiliar environment: Offshore conditions and energy resources • Marvelous machines: Harvesting nature's offshore energy crop • Carving out a piece of the shelf: Project siting decisions • Acquiring rights to project sites: MMS and offshore renewables; FERC and hydrokinetics • Action and its impacts: Project review under the National Environmental Policy Act

Nature and machine coexisting offshore: Federal protections for natural and cultural resources • Still more permits: The roles of other federal and state agencies reviewing proposed offshore projects • Renewable energy goodwill: Managing the public consultation process • Connecting to the grid: Adapting to intermittent renewable energy supplies • Working the numbers: Financing and insuring offshore renewable energy projects • Cultivating disruptive change: The economic challenge of offshore renewable energy • Notes • Index • About the authors

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RENEWABLE POWER IN DEVELOPING COUNTRIES: WINNING THE WAR ON GLOBAL WARMING

by Steven Ferrey with Anil Cabraal

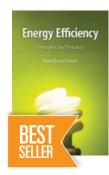


This book documents how six developing Asian countries are taking head on electric power development and global warming issues with successful alternative energy programs. As the world looks to transition into new sources of fuel, this book should be a top-read for utility managers, energy professionals, independent power developers and university professors. The book provides a template for nations, policy makers, international investors, and developers to consult to implement renewable energy in the economies where it is most essential

and it covers hot-button issues of global warming, renewable energy, and international development in an easy-to-read format. It includes more than 20 comparative tables, a conclusion of the best practices for renewable energy programs, and a list of acronyms, abbreviations, and definitions used in the text

363 Pages/Hardcover/2005

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ENERGY EFFICIENCY: PRINCIPLES AND PRACTICES

by Penni McLean-Conner

The latest book by Penni McLean-Conner, Energy Efficiency: Principles and Practices, is an outline for utilities, government agencies and power generators for educating consumers on conservation, better resource management, and a smaller carbon footprint. These techniques are not only of interest to the modern consumer, but also can maximize opportunities for demand side management. Demand side management programs are effective methods for reducing peak demand of electricity, helping to curb escalating electricity prices for consumers, allowing power generators greater control of the electrical loads and promoting overall conservation of stretched resources. This book offers proven strategies for creating, delivering and maximizing demand side management, truly a smart approach for your

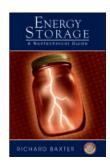
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Part One: Create a DSM culture • Build the business case for DSM • Understand the DSM life cycle • Influence policy to support DSM investment • Part Two: Deliver DSM to consumers • Market barriers and assessment • Residential energy efficiency • Commercial and industrial energy efficiency • Demand response • Distributed generation • Part Three: Optimize DSM performance • Participate in organizations that advance DSM • Evaluate programs • Position for the future

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ENERGY STORAGE: A NONTECHNICAL GUIDE

bv Richard Baxter

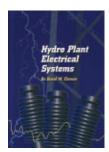
Energy Storage: A Nontechnical Guide is a complete resource on the operation of energy storage technologies and how they interact in the marketplace today. Baxter explains new opportunities for these technologies, detailed descriptions of the technologies and their market applications, and business opportunities energy storage technologies can expect throughout the industry. The book explains how, and under what conditions, energy storage technologies can become a vital component of the electric power industry.

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HYDRO PLANT ELECTRICAL SYSTEMS

by David M. Clemen

Practical and easy to read, this compact volume provides the industry's most comprehensive guide to electrical equipment and control systems. Filled with helpful checklists and references, Hydro Plant Electrical Systems is an indispensable tool for engineers as well as operations and maintenance personnel.

Contents:

Introduction • Hydroelectric generator basics • Testing generators before commissioning • Scheduled inspection outages for hydroelectric generators • Transformers at hydroelectric plants • Factory and field testing of liquid-immersed transformers • Inspection and maintenance testing of liquid-immersed transformers • International test standards for transformers • Dry transformers at hydroelectric plants • Controls and protective relaying • Testing unit control switchboards in the factory and field • Surge protection • Batteries at hydropower plants ◆ Uninterruptible power supply systems ◆ Bus systems ◆ Low-voltage switchgear for hydropower plants Start-up and commissioning of a hydroelectric project
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THE GUIDE TO HYDROPOWER MECHANICAL DESIGN

by ASME Hydro Power Technical Committee

The Guide to Hydropower Mechanical Design draws on the insights and experience of more than 40 of the world's leading hydro experts to provide a careful and thorough overview of existing "best practices." The result is a comprehensive reference for individuals who design hydropower facilities, maintain and procure equipment, or produce and distribute electricity.

Contents:

Introduction • Basic considerations • Hydraulic turbines • Governors • Major valves • Trashracks and cleaning devices • Gates • Lifting equipment • Auxiliary systems • Equipment for environmental control • Equipment layout considerations • Hydraulic transients Inspection and testing
 Maintenance and operation considerations
 Appendix
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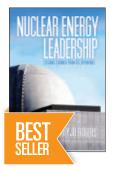
THE POWER OF WATER

by Georg Kuffner (Ed.)

The power of water draws on a diverse range of technical and stakeholder views to provide an understandable and comprehensive overview of technical applications, social and economic implications, as well as on the central role of hydro power in an ecological, and sustainable fuel mix for energy generation of the future.

272 Pages/Hardcover/2006 - Published by HCI Publications

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NUCLEAR ENERGY LEADERSHIP: LESSONS LEARNED FROM U.S. OPERATORS

by Mary Jo Rogers, Ph.D.

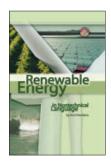
The nuclear industry has quietly evolved over the past 30 years to become one of the safest and most reliable low-cost producers of electricity. Mary Jo Rogers's new book, Nuclear Energy Leadership: Lessons Learned from U.S. Operators, provides helpful suggestions as well as useful tools drawn from the best of the nuclear industry. Dr. Rogers illustrates with convincing detail and relevant case studies how the lessons from the best nuclear operators can be applied to nonnuclear operations-based organizations to markedly improve production and safety performance. She draws from a research database of nuclear leaders, supervisors, senior leadership teams and organizations, interviews with numerous nuclear leaders as well as extensive personal experience assisting in nuclear power plant turnarounds.

Contents:

State of U.S. nuclear energy • Self-regulation • Nuclear safety culture • Operational focus • Continuous performance improvement • Talent development and knowledge management • Organizational structure, accountability, and outage management • Nuclear industry leadership ◆Turnaround experts ◆ Nuclear first-line supervisor ◆ Site senior leadership team ◆ Appendix A: Talent development checklist • Appendix B: Cross-functional teamwork questionnaire • Appendix C: Nuclear power and related organizations • Index

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RENEWABLE ENERGY IN NONTECHNICAL LANGUAGE

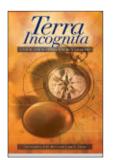
by Ann Chambers

This thorough review of renewable energy trends and technologies includes applications and examinations of regulations, with implications for future advances. Readers get a complete overview of renewable technologies and options, a quick understanding of issues affecting the popularity and installation of these technologies, and a broad knowledge of industry trends and terminology. Chambers has again crafted an easy-to-read-and-understand general overview of technology and applications, with information that keeps it interesting and relevant to real world business needs.

Introduction • Solar and PV • Wind energy • Bioenergy • Geothermal energy • Hydroelectric • Fuel cells • Appendix A: Industry contact list • Appendix B: Renewable energy glossary

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TERRA INCOGNITA: A NAVIGATION AID FOR ENERGY LEADERS

by Christopher E.H. Ross and Lane E. Sloan

Terra Incognita addresses the transition in energy supplies and shift from conventional oil as the strategic energy source. It identifies the leadership challenges ahead and summarizes the lessons learned from interviews with more than 20 energy company CEOs and senior leaders. The structure of the book follows the planning cycle of strategic assessment (Chapters 1-4), strategy development (Chapters 5-7), and strategy implementation (Chapters 8-10) through a leadership perspective focused directly on the energy industry.

Contents:

Energy strategic leadership framework • Learning from the past • New global competitors—rise of national oil companies • The resource dilemma • Society's evolving expectation • Persuasive investor value proposition • Evaluating strategic choices • Setting the direction • Executing the strategy • Leading in turbulent times • Next generation energy leaders

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HOW TO SELL TECHNICAL EQUIPMENT AND SERVICES

by James R. Hutton

In this book, author James R. Hutton shares his decades of experience in the petroleum industry to help readers master the challenge of industrial sales. In How to Sell Technical Equipment and Services, Hutton covers the many aspects involved in B2B sales, emphasizing product knowledge as the key to success. Hutton breaks down the process into separate chapters covering more than 60 different topics ranging from identifying the decision makers and gathering intelligence, to handling unpleasant customers and introducing new products. Sales professionals, sales managers, and senior executives in all industries will find the information found in this book to be invaluable.

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FUNDAMENTALS OF OIL & GAS ACCOUNTING, 5TH EDITION

by Charlotte J. Wright and Rebecca A. Gallun



An excellent training manual and professional reference packed with examples, diagrams, and appendices. The scope of this text is simply unmatched. The book has been completely updated to reflect the current issues facing oil and gas producers operating in both U.S. and international locations. Inside you'll find: A new chapter on asset retirement obligations and asset impairment; an added section on project, analysis and investment decision making; updated coverage of asset exchanges and fair value reporting requirements; thorough discussion of oil and gas pricing and marketing arrangements; and updated examples and homework problems.

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 Drilling and development costs – successful efforts
 Proved property cost disposition - successful efforts • Full cost accounting • Accounting for production activities • Accounting for asset retirement obligations and asset impairment • Accounting for revenue from oil and gas sales • Basic oil and gas tax accounting • Joint interest accounting • Conveyances • Oil and gas disclosures • Accounting for international petroleum operations • Analysis of oil and gas companies' financial statements

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INTERNATIONAL PETROLEUM ACCOUNTING

by Charlotte J. Wright and Rebecca A. Gallun



A companion text to PennWell's popular Fundamentals of Oil & Gas Accounting, this book illustrates various aspects of accounting in international petroleum operations. Discussions cover the broad differences between U.S. and international operations and accounting as well as the global movement toward conversion to International Accounting Standards Board standards. Also included are overviews of petroleum tax regimes encountered around the world. Whereas Fundamentals of Oil & Gas Accounting gives in-depth coverage of petroleum accounting theory

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bv M.A. Mian

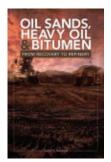
In Volume 2: Probabilistic Models, M.A. Mian presents the concepts of decision analysis, incorporating risk and uncertainty as applied to capital investments. In the expanded and updated second edition of Volume 2, Mian integrates new advancements and clarifies concepts to facilitate their understanding. Each topic is introduced, followed by a brief discussion related to its application in practice and a solved example. Includes a companion CD with applications, spreadsheets, and tables that expand the practical application of the book's material.

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OIL SANDS, HEAVY OIL & BITUMEN: FROM RECOVERY TO REFINERY

by Dwijen K. Banerjee

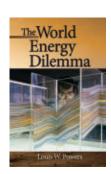
Unlike conventional oil resources, "unconventional oil" resources have been known to exist only for the last few decades and are available in limited areas of the world. The most commonly known "unconventional oils"—oil sands, heavy oil, and bitumen—are found primarily in the western United States, Canada, and Venezuela. Only recently has serious consideration been given to North American resources for meeting the increasing demands for transportation fuel. Dr. Banerjee discusses the importance of these unconventional oils and provides an introduction for those beginning their journey in the still unexplored unconventional hydrocarbon resources of the world. Dr. Banerjee's book is an important educational tool for anyone in the petroleum industry—whether upstream, downstream, or pipeline—who would like to learn the fundamentals of the most commonly known unconventional oils: oil sands, heavy oil, and bitumen.

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THE WORLD ENERGY DILEMMA

by Louis W. Powers

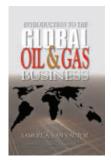
With political turmoil in the Middle East contributing to price volatility and production problems, many experts have questioned if this critical region can continue to supply petroleum for the global economy. Former Saudi Aramco chief petroleum engineer Lou Powers offers insider viewpoints on the major oilfields of Saudi Arabia, and how cutting-edge technology is expanding and extending the production life of the world's largest petroleum reserves. Readers will gain access to a world few understand, yet depend upon for their everyday needs.

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330 Pages/Hardcover/2012

\$69.00 us ISBN 1-59370-271-X ISBN13 978-1-59370-271-7



INTRODUCTION TO THE GLOBAL OIL & GAS BUSINESS

by Samuel A. Van Vactor

To the casual observer, the oil business seems constant and unchanging. 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.

In his book, noted energy economist Dr. Samuel A. Van Vactor chronicles the oil industry's transformation over the last century and discusses the future of an industry that has been pronounced dead or dying by its critics on numerous occasions since the early development of coal and the steam engine. New professionals, industry executives, government officials, and academicians will find Introduction to the Global Oil & Gas Business a concise introduction to the industry and an invaluable source of information.

Contents:

The demand and supply of oil ● Oil pricing ● Energy commodity markets ● The new industry structure ● Energy security ● Organizing principals • Alternatives to oil • List of acronyms • Bibliography

184 Pages/Hardcover/2010

\$69.00 us ISBN 1-59370-214-0 ISBN13 978-1-59370-214-4



STRUCTURED MENTORING FOR SURE SUCCESS

by Meta Rousseau

Sustained success and steady growth require organizations to develop and retain a core of culture, relationships, and critical knowledge and skills. Capitalizing on the strength of disciplines such as competency-based training and knowledge management, structured mentoring programs enable organizations to reach these goals and offer their employees opportunities for professional development and career advancement that would not otherwise be possible. In her book, Meta Rousseau discusses a unique approach to structured mentoring aimed at the timely, effective, and reliable transfer of corporate culture, strategic relationships, and knowledge.

Toward greater clarity • Structured mentoring-more than goals and objectives • Purpose, relationship, scope, and complexity • Mentorship teams • Key practices and tools • Development, implementation, and improvement • Lessons learned • Glossary

168 Pages/Hardcover/2008

\$59.00 us ISBN 1-59370-173-X ISBN13 978-1-59370-173-4



THE OIL & GAS INDUSTRY: A NONTECHNICAL GUIDE

by Joseph F. Hilyard

Joseph Hilyard's timely book provides a broad perspective on the oil and gas industry, with primary attention to the United States. It takes the reader on a tour of the operations used to find and evaluate resources, and then to produce, store and deliver oil and gas. The book's main focus is primarily on the equipment and processes used in exploring new resources; evaluating promising formations; drilling wells; managing oil and gas production; converting oil and gas into products; and transporting oil and gas. Separate chapters address the evolution and current structure of the petroleum industry; oil and gas trading; and challenges likely to face the oil and gas industry in coming years. Three appendices define key industry terminology; suggest further reading on selected topics; and identify organizations that can provide more information.

Contents:

Origins of oil and gas . Oil overview . Natural gas overview . Searching for and evaluating oil and gas . Drilling and completion: Onshore ● Drilling and completion: Offshore ● Managing oil and gas production ● Transporting oil ● Transporting natural gas by pipeline

- Transporting natural gas as LNG Converting oil into products Converting natural gas into products Petroleum industry structure
- Petroleum trading Emerging challenges for the petroleum industry Appendix A: Terms, abbreviations, and acronyms Appendix B: Further reading • Appendix C: Organizations, agencies, and professional societies

332 Pages/Hardcover/2012

\$79.00 us ISBN 1-59370-254-X ISBN13 978-1-59370-254-0



MANAGING ENERGY RISK: A NONTECHNICAL GUIDE TO MARKETS AND TRADING

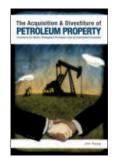
by John Wengler

How does the manager master this complex process, with its myriad experts, personalities, and systems? John Wengler identifies these issues, discusses and analyzes them, and in checklist fashion prioritizes for managers what they must do to succeed despite risks as diverse as price, trader, and credit. Written in plain English, the text is directed at upper management at all electric utilities, natural gas firms, oil companies, and industrial end-users served by the energy complex.

Foreword by Jeffrey Roark, Southern Energy • Editor's Note by Dragana Pilipovic, SAVA • The "Top Ten Checklist" of things to do • The bull, the bear, and the spark spread • Risk management policies and procedures • Starting with your risk-return strategy • The risk roster: personalities and specialties • Energy risk boot camp: "must know" concepts for managers and directors • The deal process: from the desk to delivery • The portfolio process: starting with what have we got? and what do we want? • Measuring risk: how might our portfolio change? • Hedging: navigating toward our portfolio objectives • Critical path IT issues • Looking forward: the next ten management issues • Appendix • Glossary • Index

393 Pages/Hardcover/2001

\$69.00 us ISBN 0-87814-794-2 ISBN13 978-0-87814-794-6



THE ACQUISITION AND DIVESTITURE OF PETROLEUM PROPERTY

by Jim Haag

This book explains the actions that will lead to success in acquiring or divesting oil and gas producing assets. The path to maximizing value and minimizing mistakes is presented. Necessary resources are noted, emphasizing best practices in evaluations and negotiations.

Contents:

Successful company profiles • Motivating factors • Non-motivating factors • Seller evaluation • Marketing options • The divestment process • The acquisition process • Unique lifecycle risks • Valuation methodologies • Determining the price • Like-kind exchanges • New field discoveries • Constructing the offer • Preferential rights • Bonding protection • Negotiating the agreement • Due diligence • Government approvals • Corporate sales 'programs' • Industry activity • Accountability • Lessons learned • Website references • Case histories

193 Pages/Hardcover/2005

\$69.00 us ISBN 1-59370-045-8 ISBN13 978-1-59370-045-4



INTERNATIONAL PETROLEUM FISCAL SYSTEMS ANALYSIS

by Daniel Johnston

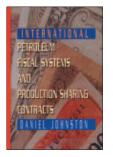


This report collects public information that is obscure and difficult to gather, making it a great value and timesaver. It is an excellent reference that depicts the diversity of petroleum exploration and development & production contract terms around the world. Nowhere else will you find this information collected in one place.

Country/system listing (130 countries/352 regimes and contracts) • Abbreviations, acronyms and symbols • Introduction • Example of database format • Example analysis format and definitions • Example production sharing contract – and analysis • World petroleum fiscal system statistics

380 Pages/3-Ring Binder/2001

1200.00 us ISBN 0-87814-822-1 ISBN13 978-0-87814-822-6



INTERNATIONAL PETROLEUM FISCAL SYSTEMS AND PRODUCTION SHARING CONTRACTS

by Daniel Johnston



In this book, Daniel Johnston covers everything including historical development of contracts, terminology of accounting and negotiations, threshold field size analysis, arithmetic behind contract terms, and more.

Petroleum fiscal systems • Concessionary systems • Production-sharing contracts • Risk service contracts • Threshold field size analysis • Global market for exploration acreage • Production-sharing contract outline • Accounting principles • Double taxation • Commentary

325 Pages/Hardcover/1994

\$99.00 us ISBN 0-87814-426-9 ISBN13 978-0-87814-426-6



INTERNATIONAL EXPLORATION ECONOMICS, RISK, AND CONTRACT ANALYSIS

by Daniel Johnston



International exploration and production is challenging and exciting. Negotiating with governments and understanding the dynamics of their fiscal systems and/or production sharing contracts can mean the difference between success and failure. Long-time industry consultant, negotiator and lecturer, Daniel Johnston, provides an extremely clear and practical perspective on: international exploration economics and risk analysis, petroleum fiscal system analysis and design, contract negotiations, economic, financial and accounting aspects of production sharing contracts and royalty/tax systems.

Contents:

International petroleum fiscal systems: production sharing contracts • State-of-the-art in petroleum fiscal system analysis • Thinking of going international? • Trends and issues in foreign PSCs • Current developments • The international gas industry • Alignment of interests • The ideal system • Economic modeling/auditing art and science - part I • Economic modeling/auditing - art and science part II • Finger-on-the-pulse • Kashagan and Tengiz • The bidding dilemma • Government take - not a perfect statistic • The value of reserves in-the-ground, effective royalty rate (ERR), booking barrels, ROR systems and "R factors", maximum efficient rate (MER) • Example contracts and/or fiscal systems from around the world

479 Pages/Hardcover/2003

\$99.00 us ISBN 0-87814-887-6 ISBN13 978-0-87814-887-5



INTERNATIONAL OIL COMPANY FINANCIAL MANAGEMENT IN NONTECHNICAL LANGUAGE

by James Bush and Daniel Johnston



This text addresses the decision-making element of petroleum company management. It is a practical guide to all facets of modern financial management and strategic planning in today's oil and gas companies. Includes tables, figures, graphs, and an extensive glossary.

Oil industry financial accounting • Integrated management system • Competitive comparison • Cost management • Capital budgeting and investment theory • Cash flows in the oil industry • Capital structure • Financial reporting and investor/stockholder relations • **Fconometrics**

327 Pages/Hardcover/1998

\$69.00 us ISBN 0-87814-597-4 ISBN13 978-0-87814-597-3



INTRODUCTION TO OIL COMPANY FINANCIAL ANALYSIS

by David Johnston and Daniel Johnston



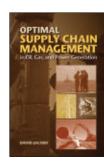
Basic principles are widely understood in the financial industry, but the terminology and analytical techniques can vary greatly. This book is written for the nonfinancial shareholders, managers, and oil company employees interested in the forces that influence stock values. The bottom line in any company is expressed in the language of finance. This book explains financial concepts in a nontechnical, practical way so that nonfinancial professionals and others may understand and appreciate this aspect of the business. When the first edition of this book was written, companies disclosed

substantially less information than what is available today. This additional information allows a better understanding of the financial status and health of a company. But there is still room for improvement.

Fundamentals of valuation • Accounting systems • Financial analysis • Common stock • Competitive comparisons • Segment analysis • Value of oil reserves-in-the-ground • Restructuring • Legal & tax • Valuation of bonds & preferred stock

447 Pages/Hardcover/2005

\$89.00 us ISBN 1-59370-044-X ISBN13 978-1-59370-044-7



OPTIMAL SUPPLY CHAIN MANAGEMENT IN OIL, GAS, AND POWER GENERATION

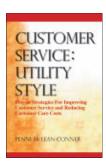
by David Jacoby

David Jacoby's book addresses the specific supply chain management characteristics and needs of oil, gas, and power companies, and contains a wealth of industry-specific examples. Jacoby provides a toolbox for large-scale capital expenditure decision making and for transforming capital and operation expenditures to exert a visible financial impact in oil, gas, and power companies. The supply chain risk management decision analysis tools offered in this book will assist operators increase economic value added while enhancing safety and stewardship of the environment.

Part 1: Capex project supply chain risk mitigation: Principles and methods • Engineering and procurement of equipment and services at minimum total cost and risk • Operating and maintenance cost reduction: Principles and methods • Operational safety and environment risk management: Principles and methods • Part 2: Upstream oil and gas examples • Midstream—Hydrocarbon transport examples • Downstream oil and gas examples ● Power industry examples ● Conclusion ● Appendix A: Bullwhip in the oil and gas supply chain—the cost of volatility • Appendix B: Common categories of externally purchased equipment and services for the oil, gas, and power industries • Appendix C: Glossary of terms, acronyms, and abbreviations • Appendix D: Additional resources • Index

318 Pages/Hardcover/2012

\$89.00 us ISBN 1-59370-292-2 ISBN13 978-1-59370-292-2



CUSTOMER SERVICE: UTILITY STYLE

by Penni McLean-Conner

Successful utility customer service leaders are providing great service while reducing costs. This primer for customer service leaders at all levels outlines successful techniques for creating a customer focused culture, taking costs out of the business and maximizing technology, processes and efficiency. Readers of this book will find easy to implement, proven best practices combined with thoughtful discussions on current strategies and innovations. Additionally insights and case studies from successful utility leaders will amplify the challenges of successfully implementing these best practices.

Contents:

Part One: Create a customer focused culture • Build a high performance team • Hire, train and retain your best customer service professionals • Discover the magic of customer complaints • Listen and respond to the voice of the customer • Offer new services and products to meet your customers' needs • Part Two: Take costs out of the business • Reduce unbilled losses in your meter to cash cycle • Outsourcing • Reduce bad debt • Create effective channel management • Part Three: Maximize technology, processes and efficiency Map, measure and benchmark your key customer service processes
 Complete a Health Check on your Customer Information System (CIS) • Apply technology to enhance customer service • Successfully implement these and other best practices

250 Pages/Hardcover/2005

\$69.00 us ISBN 1-59370-053-9 ISBN13 978-1-59370-053-9



REVENUE PROTECTION: COMBATING UTILITY THEFT AND FRAUD

by Karl Seger, Ph.D.

Energy theft is more common than most think. It costs consumers billions of dollars every year in the United States alone. Karl Seger explains how a utility can establish a revenue protection program or evaluate and improve an existing one. This how-to book includes a number of appendices with sample web pages, investigative reports, and more. Dr. Seger outlines a program to help identify customer fraud and billing errors. Seger's advice applies to those associated with both large and small utilities.

Revenue protection: An overview of the challenge • Organizing for revenue protection • Crime scene investigation—theft of service • The fraud investigation ● The paper chase and revenue recovery ● The investigative interview ● Investigations at potentially dangerous accounts • Investigative challenges and tools • Working with law enforcement and going to court • Evolving challenges • Appendix A: Position description • Appendix B: Procedures to handle utility theft and fraud situations found in the field by service personnel • Appendix C: Draft ordinance • Appendix D: 24th Guam legislature • Appendix E: Revenue protection sample web page • Appendix F: Revenue protection investigation report

239 Pages/Hardcover/2005

\$79.00 us ISBN 1-59370-039-3 ISBN13 978-1-59370-039-3



UTILITY SECURITY: THE NEW PARADIGM

by Karl A. Seger, Ph.D.

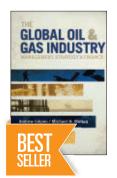
In response to recent security concerns, Dr. Seger addresses the real threats to utility systems and provides a step-by-step approach to assessing vulnerabilities and developing and implementing security countermeasures. Included in the book are threat assessment and security checklists, a vulnerability/countermeasure matrix, and sample security and workplace violence prevention policies.

Contents:

Section 1: New paradigm threats • September 11, 2001 • The threat from extremists • Conventional threats • Section 2: Managing threats • The risk management process • Protecting information • Protecting networks and computer systems • Physical security and access control • Protecting employees and physical assets • Special threats • Threat response plan • Crisis management • Appendices • Helpful website addresses • Index

238 Pages/Hardcover/2003

\$79.00 us ISBN 0-87814-882-5 ISBN13 978-0-87814-882-0



THE GLOBAL OIL & GAS INDUSTRY: MANAGEMENT, STRATEGY & FINANCE

by Andrew Inkpen and Michael H. Moffett



Despite its size and importance, a surprising lack of basic knowledge exists about the oil and gas industry. With their timely 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 world's largest industry actually works: business executives, students, government officials and regulators, professionals working in the industry, and the general public.

The global oil and gas industry • Nationalism, national oil companies, and the curse of oil • Access, leasing, and exploration • Developing oil and gas projects • Production of oil and gas • Fiscal regimes • Financing and financial performance • Natural gas • Liquefied natural gas (LNG) • The market for crude oil • Transportation • Refining • Sales and marketing of petroleum products • Petrochemicals • The future of the global oil and gas industry • Index • About the authors

600 Pages/Hardcover/2011

\$89.00 us ISBN 1-59370-239-6 ISBN13 978-1-59370-239-7



FUNDAMENTALS OF TRADING ENERGY FUTURES & OPTIONS, 2ND EDITION

by Steven Errera & Stewart L. Brown

In the second edition of their best-selling primer, authors Errera and Brown explain how exchange traded futures and options markets work, and how companies can successfully use the markets in their overall strategy to increase profitability. They cover everything from market mechanics, hedging, spread trading, and technical trading to history and growth of the markets. Also included is an extensive appendix detailing contract specifications for 13 energy futures/options contracts.

Contents:

Futures and options contracts and markets • Market mechanics • Behavior of commodity futures prices • Speculation and spread trading • Hedging • Introduction to options on futures • Energy options strategies • Technical factors • History and growth • Economic implications of energy futures and options • Appendices (contract specifications) • Glossary

247 Pages/Hardcover/2002

\$79.00 us ISBN 0-87814-836-1

ISBN13 978-0-87814-836-3



RFID FOR ENERGY & UTILITY INDUSTRIES

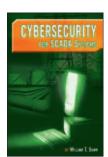
by Dipankar Sen. Proseniit Sen and Anand Das

Although radio frequency identification (RFID) has been used for decades, the technology is just now gaining momentum in the energy industry. Power plants can employ RFID for everything from security for the workforce, tracking fuel consumption, and even monitoring plant exhaust. The applications for RFID are endless, and the technology is applicable in nearly every field. Lead authors Dipankar Sen, Prosenjit Sen and Anand Das bring years of entrepreneurial experience with RFID technology to this primer for plant foremen, system engineers and those decision-makers looking to enhance operational efficiency.

RFID technology • Wireless networking technologies • Application of RFID and wireless technologies for mobile asset management · Application of RFID and wireless technologies for fixed asset labeling and locating · RFID and wireless applications for asset management in the water utility • RFID and wireless applications for asset management in the electric utility • RFID and wireless applications for asset management in the natural gas industry • Appendix A Evaluating the business proposition of an RFID project • Appendix B Industry acronyms and abbreviations

286 Pages/Hardcover/2009

\$89.00 us ISBN 1-59370-105-5 ISBN13 978-1-59370-105-5



CYBERSECURITY FOR SCADA SYSTEMS

by William T. Shaw

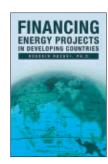
SCADA technology quietly operates in the background of critical utility and industrial facilities nationwide. This important tool efficiently manages utility assets, refineries and other critical industrial segments, but protecting SCADA networks from cyber attacks, hackers and even physical assault is becoming a test of will, cleverness and determination. Cybersecurity for SCADA Systems provides a high-level overview of this unique technology, with an explanation of each market segment. Readers will understand the vital issues and learn strategies for decreasing or eliminating system vulnerabilities. Suitable for the non-technical management level personnel as well as IT personnel without SCADA experience.

Contents:

Section 1: Introduction to SCADA systems • The technological evolution of SCADA systems • Remote terminal units • Telecommunications technologies • Supervisory control applications • Operator interface • Conventional information technology security • Section 2: Cybersecurity principles, processes, and technologies • Identifying cybersecurity vulnerabilities • Classifying cyber attacks and cyber threats • Physical security • Operational security • Electronic/systems security • Electric utility industry-specific cybersecurity issues • Section 3: Industrial sectors • Water/wastewater industry-specific cybersecurity issues • Pipeline industryspecific cybersecurity issues • The emerging cyber threat to SCADA systems • Section 4: SCADA Security Architectures • Commercial hardware and software vulnerabilities • Traditional security features of SCADA systems • Eliminating the vulnerabilities of SCADA systems • Appendices • Index

562 Pages/Hardcover/2006

\$89.00 us ISBN 1-59370-068-7 ISBN13 978-1-59370-068-3



FINANCING ENERGY PROJECTS IN DEVELOPING COUNTRIES

by Hossein Razavi, Ph.D.

An update to his comprehensive 1996 text on project finance in emerging economies, Hossein Razavi's authoritative book provides first-hand information and analysis of how multilateral, bilateral, and commercial financiers decide to support an energy project. It presents the major changes in the attitudes and orientations of these financiers as they have entered a competitive environment seeking opportunities to do more business in the energy sector of developing countries.

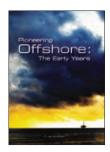
The reader is guided through the process of understanding the fundamentals of project financing, getting to know the financiers, and developing an acceptable project package. Finally, some real-world case studies demonstrate the intricacies of mobilizing funds for projects in various segments of the energy sector.

Part I: The setting • Fundamentals of project financing • Challenges of project financing in developing countries • Part II: Getting to know the financiers • Sources of financing • Accessing support from global multilateral institutions • Borrowing from regional development banks • Bilateral sources of financing • Accessing commercial funds • Part III: Designing an acceptable project package • Analyzing the business environment • Establishing economic and financial viability • Structuring the financing package • Environmental and social concerns • Appendix A: The coordinates for finance and guarantee agencies • Appendix B: Guidelines for the preparation of environmental assessments • Glossary • Bibliography • Index

484 Pages/Hardcover/2007

\$89.00 us ISBN 1-59370-124-1

ISBN13 978-1-59370-124-6



PIONEERING OFFSHORE: THE EARLY YEARS

by F. Jay Schempf

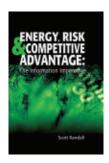
The offshore petroleum industry has become a huge, distinct branch of the oil and gas industry in a relatively short time. Since its official beginnings only 50 years ago, the industry has taken astounding leaps in technical and commercial know-how. Pioneering Offshore: The Early Years takes over-water petroleum development from its beginnings in the late nineteenth century through the mid-1960s. In addition to the historical narrative, interwoven into Pioneering Offshore are stories from this time period obtained from in-depth interviews of more than 125 industry pioneers, providing a historical context for their contributions in the industry's advancement and in the development of its distinct technologies. As intended, Pioneering Offshore provides a narrative that, while as chronologically and historically accurate as possible, remains true also to the industry's human spirit. This book offers an intimate feel for the industry's early years and will be essential to grasping the enormous scope of the search for offshore oil and gas during subsequent decades.

Contents:

Book One: In the wet: The earliest pioneers • Book Two: Wading out with history • Book Three: The world offshore—deep and dangerous • Book Four: Old lessons and new: On-the-job training • Book Five: The international scene and observations • Acknowledgments and recommended reading . The Offshore Energy Center story

253 Pages/Hardcover/2007

\$49.00 us ISBN 0-9795633-0-5 ISBN13 978-0-9795633-0-0



ENERGY, RISK & COMPETITIVE ADVANTAGE: THE INFORMATION IMPERATIVE

by Scott Randall

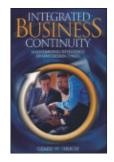
The focus of risk management is not only on minimizing the negative consequences of uncertain events, but also on providing competitive advantage. Neither threats nor opportunities can be effectively identified and assessed without good quality market intelligence. As companies integrate their corporate risk, strategy, and finance decisions, they are finding that corporate risk identification and assessment is only as good as the data in their system. Using the framework of enterprise risk management, market research, quality management, and strategic planning, author Scott Randall presents a timely and important new book about competitive advantage in the energy business, and how it can be gained using a cross-disciplinary integration of tools, techniques, and structure that yields reliable information.

Contents:

The rise of enterprise risk management and the information imperative • Information integrity implementation—tools, techniques, and examples • Assessment • Disposition • The energy merchant of the 21st century creates alpha • Recommended template for stress test documentation . Acronyms and abbreviations

303 Pages/Hardcover/2008

\$89.00 us ISBN 1-59370-134-9 ISBN13 978-1-59370-134-5



INTEGRATED BUSINESS CONTINUITY: MAINTAINING RESILIENCE IN UNCERTAIN TIMES

by Geary W. Sikich

Integrated Business Continuity: Maintaining Resilience In Uncertain Times guides you step-by-step through developing and assessing an effective business continuity plan. Use the ideas of this book to keep your business on track in the event of both natural or manmade disasters.

Contents:

Entering the age of uncertainty; what to expect • Critical infrastructures; opportunities and vulnerabilities • The underpinnings of business continuity • Your next "crisis:" identifying time-critical issues • The smoldering "crisis:" time-sensitive issues • The hibernating "crisis:" time-dependent issues • Business continuity: from inception to integration • Protecting your organization in the age of uncertainty • Knowledge management: effective communications in the "age of the instant" • The next wave: global vulnerabilities, local impacts . Concluding thoughts

283 Pages/Hardcover/2003

\$69.00 us ISBN 0-87814-865-5

ISBN13 978-0-87814-865-3



INTERNATIONAL ENERGY MARKETS: UNDERSTANDING PRICING, POLICIES & PROFITS, 2ND EDITION

by Carol Dahl



The updated 2nd Edition from esteemed energy economics author and professor Carol Dahl covers mature and developing energy markets throughout the world. New chapters deal with sustainability, the growing Chinese energy market, OPEC updates, and how electric power deregulation has affected energy consumption. This new edition also includes outlooks on the shale gas revolution, LNG markets, plus greater depth on developing markets in Africa and Asia.

Introduction to our journey • Energy Lessons from the past and modeling the future • Perfect competition and the coal industry • Energy price controls taxes, subsidies, and social welfare • Natural monopoly and electricity markets • Restructuring in the electricity sector • Monopoly, dominant firm, and OPEC • Market structure, transaction cost economics, and U.S. natural gas markets • Monopsony: Japan and the Asia Pacific LNG market • Game theory and the European natural gas market • Externalities and energy pollution • Public goods and global climate change • Safety and security • Allocating fossil fuel production over time and oil leasing • Supply and costs curves • Modeling energy demand • Linear programming, refining, and energy transportation • Energy futures markets for managing risk • Energy options for managing risk • Climbing the energy/ development ladder to sustainability • Sustainable wealth in fossil fuel rich developing countries • Managing in the multicultural world of energy • Summary

Approx. 650 Pages/Hardcover/6x9/Coming Soon

\$109.00 us ISBN 1-59370-291-4 ISBN13 978-1-59370-291-5



INTERNATIONAL ENERGY MARKETS: UNDERSTANDING PRICING, **POLICIES & PROFITS**

by Carol Dahl



This book is designed to provide the economic skills to make better management or policy decisions relating to energy. It requires a facility with calculus and contains a toolbox of models along with institutional, technological and historical information for oil, coal, electricity, and renewable energy resources.

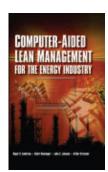
PLEASE SEE ABOVE FOR INFORMATION ABOUT NEW EDITION

Contents:

Energy lessons from the past for the future • Perfect competition and the coal industry • Natural monopoly and electricity generation Deregulation and privatization of electricity generation
 Monopoly, dominant firm and OPEC
 Market structure, transaction costs economics and U.S. natural gas markets • Externalities and energy pollution • Public goods and global warming • Monopsony - Japan and the Asia Pacific LNG market • Game theory and the European natural gas market • Allocating fossil fuel production over time and oil leasing • Computing energy costs and supply • Oil refining, energy transportation, and linear programming • Energy futures and options markets for managing risk • Energy and information technologies • Managing in the multinational world of energy • Glossary and abbreviator • Conversion charts

587 Pages/Hardcover/2004

\$105.00 us ISBN 0-87814-799-3 ISBN13 978-0-87814-799-1



COMPUTER-AIDED LEAN MANAGEMENT FOR THE ENERGY INDUSTRY

by Roger N. Anderson, Albert Boulanger, John A. Johnson, and Arthur Kressner



In this new look at energy business operations, an expert team of scientists and engineers provide a road map for transforming energy business capabilities to meet growth imperatives in an increasingly competitive global economy. Computer-aided lean management (CALM) methodology uses the common-sense approach of measuring the results of actions taken and using those measurements to drive greater efficiency. The authors also examine how CALM methodology will enable future electric power smart grids with the efficiencies necessary to serve urban expansion. Additionally, CALM can serve the oil and gas industry as it deals with dwindling geological supplies and emerging

renewable resource competitors. Developing the business capabilities of CALM will dramatically improve the business operations of all energy companies.

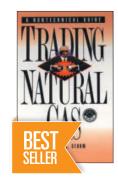
Introduction to CALM • History • Components • Systems engineering • IMP/IMS • Big picture • Additional tools • Oil and gas operations . Electric operations . Growth . Energy future

394 Pages/Hardcover/2008

\$89.00 us ISBN 1-59370-157-8 ISBN13 978-1-59370-157-4

"The ongoing service and commitment to making your customers happy speaks volumes of the organization at PennWell."

Larry W., Riverview, FL



TRADING NATURAL GAS: A NONTECHNICAL GUIDE

by Fletcher J. Sturm

This great "how to" book covers the various mechanics of natural gas trading, including the physical (cash) market for natural gas production, transportation, distribution, and consumption. The heart of the text is the definition and demonstration of financial trading tools and techniques. It closes with discussion of more complex structures of trading and the author's philosophy on how a risk management department should function within a natural gas trading company.

Contents:

The physical (cash) market • The financial market • Structured transactions • Hedging and trading instruments • Building a risk management model

206 Pages/Hardcover/1997

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POWER PLANT CONSTRUCTION MANAGEMENT: A SURVIVAL GUIDE

by Peter G. Hessler



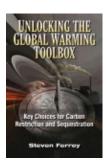
With the focus on return on investment and new technologies, the power industry today is much different than it was years ago. A unique set of management skills is necessary to supervise construction or retrofitting of a power generation plant, given today's bottom-line emphasis on environment, fuel efficiency, up-to-date technical features, and the industry's loss of experienced craftsmen and supervisory personnel. This book explains the power of economics behind the industry and how to manage the finances of work activities.

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UNLOCKING THE GLOBAL WARMING TOOLBOX: KEY CHOICES FOR CARBON RESTRICTION AND SEQUESTRATION

by Steven Ferrey



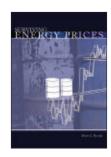
Focuses on the key options for designing and implementing equitable and goal-specific carbon regulation. This book is a regulatory toolkit holding the policy and legal implements necessary to shape the carbon future. It showcases the ongoing legal and regulatory issues that will be worked out both in the United States and in international programs for years, and highlights the lasting issues related to crafting successful carbon control. A must-have for those who would regulate carbon and those who would be subject to that regulation—policymakers, regulators, industry, nongovernmental organizations, and consumers.

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SURVIVING ENERGY PRICES

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In his book, Surviving Energy Prices, energy advisor Peter Beutel delivers a concise and comprehensive look at what companies should know to avoid harm from swift and vicious changes in energy prices. This book distills a lifetime of trading experience into simple, easyto-understand concepts that can get these companies off the baseline and into the game.

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Ferrey highlights the importance of the new electric energy rules and legal restrictions replacing the traditional utility environment. This book covers transcendent issues and long-term rules and structure of the electric industry.

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370 Pages/Hardcover/2000

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CREATING COMPETITIVE POWER MARKETS: THE PJM MODEL

by Jeremiah D. Lambert

This comprehensive model of the nation's largest, most technically advanced and forward-thinking power pool—Pennsylvania, Jersey, Maryland (PJM)—provides a window on state-of-the-art solutions to complex organizational, managerial, technical, and regulatory issues that cut across an entire industry in transition.

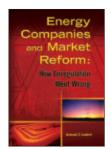
With full cooperation from PJM, nationally recognized energy lawyer, Jeremiah D. Lambert, compares and contrasts PJM with other ISOs on key issues such as governance, structure, and transmission pricing.

The road to competitive electric markets • PJM's evolution and development • PJM's transition to ISO status • FERC authorization PJM market pricing rules
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 Epilogue

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ENERGY COMPANIES AND MARKET REFORM: HOW DEREGULATION **WENT WRONG**

by Jeremiah D. Lambert

During the last two decades, deregulation and restructuring were widely expected to transform the nation's energy industries, bringing more competitive pricing and abundant, reliable energy to the public. Instead, consumers and investors in the post-Enron era have suffered losses measured in the billions, attributable to market-rigging, accounting fraud, and business plans that were doomed to failure. In this in-depth look at the latest era of greed, Jeremiah Lambert explains how the leaders of these companies schemed, collaborated or ignored the obvious signs that signaled the oncoming failures of well-established energy companies.

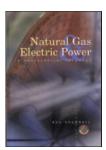
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by Ann Chambers

Ann Chambers gives you a history of these two converging industries and an overview of the factors forcing them togetherpolitical, regulatory, technical, and economic. She covers other fuels competing for market share in the electric industry, the merchant power uprising, distributed generation and strategies for creating value in the Btu stream.

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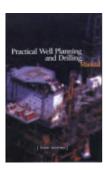
by Steve Devereux

Author Steve Devereux has revised and rewritten his overview of onshore and offshore drilling operations and technology. The new second edition includes additional chapters that cover working in the drilling industry, working in remote locations, and advanced drilling techniques, and includes an additional section about managing costs.

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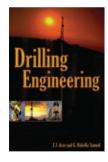
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A must-read for anyone planning new wells or simply wanting to manage existing sites more effectively, this text provides the essentials of drilling and associated engineering functions for today's team drilling approach.

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 Drillbit selection, parameters, and hydraulics Drilling fluids program • Casing running program • Cementing program • Formation evaluation • Drilling problems—avoidance planning • Practical wellsite operations and reporting • Drilling fluid • Drilling problems • Casing • Cementing • Drillbits • Directional drilling Writing the final well report
 Appendices: Calculating kick tolerances; Formation integrity test recommended procedure; Information sources; Drilling equipment lists by operation; Conductor setting depth for taking returns to the flowline • Glossary

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by Dr. J. J. Azar and Dr. G. Robello Samuel

Coauthored by a preeminent drilling engineering professor/researcher and a well-experienced drilling research advisor, Drilling Engineering explains the fundamentals and field practices in drilling operations. This textbook is an excellent resource for drilling engineers, drilling supervisors and managers, and petroleum engineering students.

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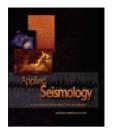
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EFFECTIVE DATABASE DESIGN FOR GEOSCIENCE PROFESSIONALS

by David R. Hoffman

Geotechnical data management plays a key role in problem solving for oil company exploration and development operations. This text is a complete manual that geoscientists can use to provide a basic introduction to data management concepts. A highly organized work, each chapter is complete with an introductory synopsis and key terms where necessary. Overall, Hoffman provides practical information sprinkled with cautionary advice on avoiding potential database design pitfalls.

Key terms and concepts ● Pre-planning database projects ● Data types and formats ● Designing the database ● Geotechnical data ● Data reformatting • Data loading and input • Data normalization • Data validation, editing, and quality control • Designing the user interface • Summary • Additional resources • Appendix A: checklist for geological data types • Glossary

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COAL-GEN

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POWER-GEN INTERNATIONAL

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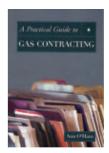
San Diego, CA February 3-5, 2015

TOPSIDES

Galveston, TX February 3-5, 2015

SUBSEA TIEBACK FORUM & EXHIBITION

New Orleans, LA March 3-5, 2015



A PRACTICAL GUIDE TO GAS CONTRACTING

by Ann O'Hara

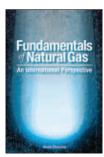
A comprehensive look at gas contracts and the significant changes they have gone through partially due to FERC Order 636 and activism of Gas Industry Standards Board.

Contents:

Gas industry players (and why they play that way) • Natural gas transportation laws & regulations • U.S. gas sales laws • North American sale of goods • Essentials of contracting • The gas contract—Part 1 & 2 • New issues: Over-the-counter (OTC) derivatives documentation & electronic contracting • Practical tips for gas contractors • Glossary

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\$69.00 us ISBN 0-87814-764-0 ISBN13 978-0-87814-764-9



FUNDAMENTALS OF NATURAL GAS: AN INTERNATIONAL PERSPECTIVE

by Vivek Chandra

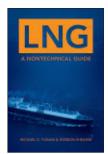
Natural gas has been called "the prince of hydrocarbons": an abundant resource that is versatile and competitive with other fuels and popular throughout the world. The advent of newer technologies that can deliver natural gas to worldwide markets, coupled with its reputation as a clean-burning, efficient energy source, make natural gas the international "fuel of the future."

The basics • Transport and storage • Gas usage • Contracts and project development • World trade • Conclusion • Appendix A: Unit conversions • Appendix B: LNG projects existing as of 2006 • Appendix C: LNG projects expected complete 2006-2012 • Appendix D: LNG contracts schematic

212 Pages/Hardcover/2006

\$69.00 us ISBN 1-59370-088-1

ISBN13 978-1-59370-088-1



LNG: A NONTECHNICAL GUIDE

by Michael D. Tusiani and Gordon Shearer

The demand for natural gas rises annually, straining existing supplies, and emerging markets often aren't accessible by pipeline. Using everyday language and real-world examples, authors Michael D. Tusiani and Gordon Shearer present LNG as the most viable energy answer. Their straightforward explanation of a complex industry proves that LNG can deliver a critical link in the energy demands of international economies.

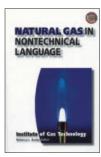
Readers will realize the complexity of this industry, which involves an intricate link of critical companies, governments, and stand-alone facilities. LNG: A Nontechnical Guide will be a valuable reference for energy industry leaders, investment bankers, and professors specializing in energy.

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The liquefied natural gas industry • The evolution of the global gas and LNG markets • The LNG chain: project nature of the LNG business • Upstream natural gas • The liquefaction plant • LNG tankers • LNG import terminals • The evolution of the industry • Orchestration and financing of an LNG project • LNG projects • The economics of an LNG project • Upstream gas supply agreements • LNG sales and purchase contracts • LNG tanker contracts • LNG shipping conventions and regulations • Import-related project siting and regulatory issues • LNG import terminal use agreements • Conclusion: The future of LNG • Units of measurement • Glossary

458 Pages/Hardcover/2007

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NATURAL GAS IN NONTECHNICAL LANGUAGE

by Institute of Gas Technology

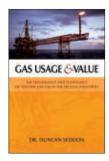
An overview of the natural gas process from wellhead to burntip, from futures trading to exploration, and the latest cogeneration issues and other product use.

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GAS USAGE & VALUE

by Dr. Duncan Seddon

Gas Usage & Value addresses issues concerning the development and sale of natural gas resources. The text reviews the world's gas reserves and outlines the principal issues affecting composition and the cost of producing well head gas to make a specification product or extract particular components; operation and cost of gas plants; and the cost of transporting the gas to an end-user. Separate chapters deal with the use of gas in the downstream process industries. Gas usages for various technologies are described and alternatives are critically compared. Costs for the downstream process industries are described on a self-consistent basis that allows comparison of alternatives. Estimates are presented for each technology on the cost of production as the gas price changes. Case studies are included to illustrate variations or specific points of relevance.

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NATURAL GAS LIQUIDS: A NONTECHNICAL GUIDE

by William L. Leffler



In his upcoming book, Bill Leffler explains what's behind the NGL name, from how the fuels are produced at the well site to their consumption in the fuels and petrochemical industries. Along the way, readers will understand the NGL process at gas plants, storage, refinery operations and the chemistry required throughout the value chain. Leffler's newest book makes the concepts and details easy to follow and will be of great interest to all support groups and vendors who deal with the engineers who run the NGL business.

Introduction • A short history of the NGL business • The science and engineering of the upstream • The chemistry and physics of NGLs • Gas plants • Refineries and the unnatural gas liquids • Logistics • NGL markets - Petrochemicals • NGL markets - Fuels • Safety, maintenance, and operations • Profiles in NGL enterprise • Glossary of NGL-related terms • Exercise answers • Appendix 1 Dew point and Wobbe index measurement • Appendix 2 Gas plant conditioning • Appendix 3 Gas plant yield and shrinkage calculations • Appendix 4 Octane number measurement • Appendix 5 Ethane and supercritical properties • Index

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SUBSEA PIPELINE ENGINEERING, 2ND EDITION

by Andrew C. Palmer and Roger A. King



Subsea Pipeline Engineering was the first of its kind, written by two of the world's most respected authorities in subsea pipeline engineering. In the second edition, these industry veterans have updated their definitive reference book, covering the entire spectrum of subjects in the discipline, from route selection and planning to design, construction, installation, materials and corrosion, inspection, welding, repair, risk assessment, and applicable design codes and standards. Particular attention is also devoted to the important specialized subjects of hydraulics, strength, stability, fracture, upheaval, lateral buckling and decommissioning. The book is distilled from the authors' vast experience in the

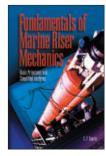
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650 Pages/Hardcover/2008

\$179.00 us ISBN 1-59370-133-0 ISBN13 978-1-59370-133-8



FUNDAMENTALS OF MARINE RISER MECHANICS: BASIC PRINCIPLES AND SIMPLIFIED ANALYSIS

by Charles Sparks

Charles Sparks has written the definitive work on the fundamentals of riser mechanics, based on his 28 years of experience with riser analysis and, in particular, on his previous publications, some of which have become classics of riser literature. Basic principles are clearly established using several different complementary approaches. The primary parameters that influence riser behavior are identified, and their influence is illustrated using 17 Excel files, provided on an accompanying CD-ROM, which readers are able to use with their own data. The files are intended primarily to allow readers to confirm the validity of statements made in the text, but they can also be used to for the simplified analysis of particular riser problems. This book is a must-own, for anyone who deals with riser design and analysis or with riser technology, from the classroom student to the offshore drilling platform engineer.

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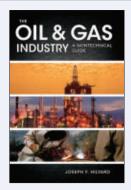
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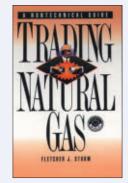
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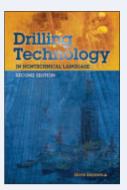
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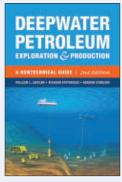
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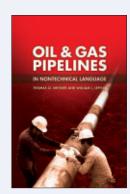
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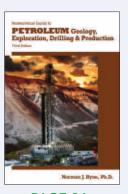
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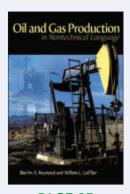
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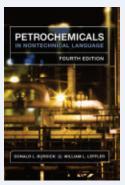
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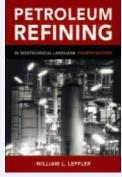
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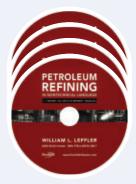
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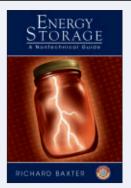
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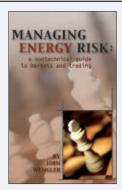
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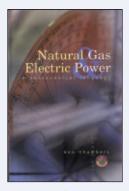
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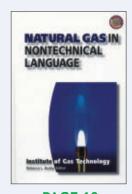
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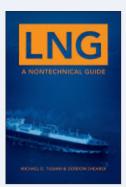
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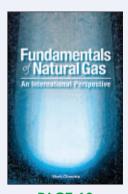
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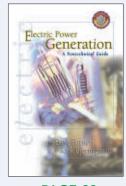
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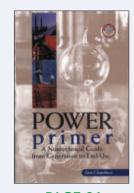
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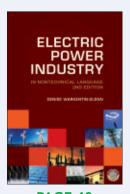
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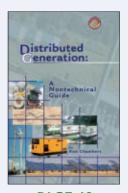
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OIL & GAS PIPELINES IN NONTECHNICAL LANGUAGE

by Thomas O. Miesner and William L. Leffler



Oil & Gas Pipelines in Nontechnical Language examines the processes, techniques, equipment, and facilities used to transport liquids such as refined products, crude oil, natural gas, and natural gas liquids through crosscountry pipelines. Topics include the importance of the pipeline infrastructure; planning, designing, constructing, operating, and maintaining pipelines; regulatory requirements; and the challenges for the future. Special emphasis is included on control and leak detection systems as well as emerging technologies and systems to ensure safe and

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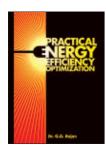
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Reliability-centered maintenance (RCM) is a risk management process that is objective, measurable, and systematic as it selects and performs effective preventive maintenance (PM) tasks. This text provides what readers really need -- guidance on how to keep PM development with RCM simple and understandable. This text will appeal to a range of readers, providing a nuts and bolts reference material on practical RCM use. August gives readers a step-by-step explanation of maintenance plan development. He begins with three primary utility requirements for maintenance optimization, and explains the roles of equipment templates, component failures, workscopes, practical implementation barriers, process considerations, data control, RCM standards, and software applications.

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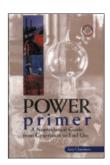
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With this third edition, international expert Rolf Kehlhofer leads a team of eminent engineers for the long-awaited update of the "bible" for combined-cycle plants. Recognized as the foremost technical and economic reference for these complex facilities, Combined-Cycle Gas & Steam Turbine Power Plants, 3rd Edition, still offers the backbone of basics in system layout, details on controls and automation, and operating instructions. New information includes a chapter devoted to the integrated gasification combined cycle (IGCC), in-depth technical information on heat recovery steam generator, and a diverse group of real-world combined-cycle plant case studies.

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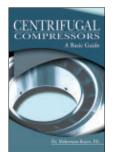


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BASICS OF BOILERS AND HRSG DESIGN

bv Brad Buecker

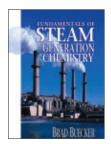
An excellent primer for power plant professionals who have to wear many hats and need a practical explanation of the design and basic operation of conventional steam generating boilers and HRSGs without having to wade through technical material. Buecker uses anecdotes and humor to liven up what would otherwise be considered a dry subject. No other book explains the fundamentals of boilers and HRSGs without going into technical depths.

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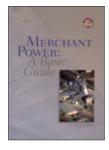
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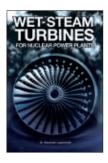
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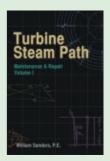
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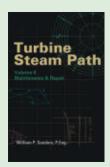
Sanders examines the damage, deterioration, and failure mechanisms that occur with unfortunate consequences - and on some units, with monotonous regularity - within the turbine steam path and gives practical solutions for maintenance and repair.

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by William P. Sanders, P. Eng.

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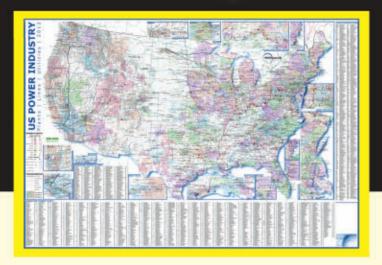
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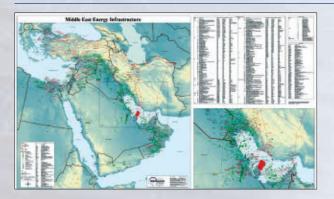


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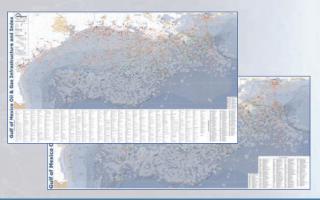


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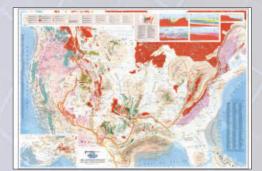
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by Martin S. Raymond and William Leffler



This nontechnical treatment is a great introduction to oil and gas production for anyone from beginning petroleum engineering and geology students to accountants, salespersons, and other professionals interested in the industry. Co-authored by Martin Raymond, a veteran production manager, and William Leffler, one of the top petroleum nontechnical writers, it is an easy-to-read reference for those who deal with petroleum industry personnel and production issues in their jobs, but need a quick overview of the technical and business issues. Complete with

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CORROSION & SCALE HANDBOOK

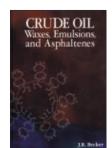
bv J.R. Becker

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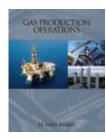
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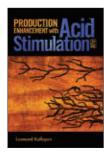
Gas Production Operations, an upper-level engineering text, covers essentially all of the operations involved in moving natural gas from its initial location in the reservoir to its final destination, including movement through the reservoir, piping system, separation facilities, and compressor. The book covers information that is essential in the day-to-day operation of a gas field. Detection of abnormal well performance, separator selection, and prediction of hydrate formation are illustrated.

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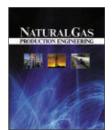
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by Mohan Kelkar



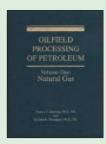
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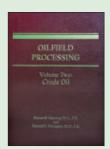
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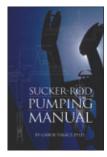
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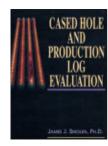
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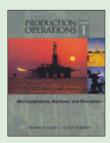
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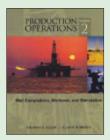
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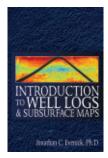
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by Jonathan C. Evenick, Ph.D.

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by Maria-Dolores Proubasta

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by Ashis Nag

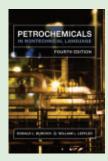
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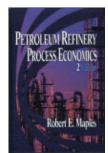
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 Alkylation
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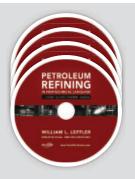


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#3 CHEMISTRY OF PETROLEUM

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#4 REFINERY GAS PLANTS/CAT REFORMING

In DVD 4, Refinery Gas Plants/Cat Reforming, Dr. Leffler covers what goes on in a refinery gas plant. He discusses the various paths and processes refiners use to separate and utilize the various gasses in the petroleum stream. Dr. Leffler gives a history of cat reformers, and explains how cat reformers are used to create higher octane products to be used primarily as gasoline blending components.

DVD/2010/Run Time: 32:52 Minutes

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#5 CATALYTIC CRACKING/ALKYLATION

In DVD 5, Catalytic Cracking/Alkylation, Dr. Leffler outlines the cat cracking process and explains how it takes straight run heavy oils and cracks them into smaller, more valuable molecules. Dr. Leffler then outlines alkylation, and how the process takes various low value products and combines them to create a valuable blending stock.

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#6 HYDROCRACKING/ISOMERIZATION

In DVD 6, Hydrocracking/Isomerization, Dr. Leffler reviews the hydrocracking process and explains how this versatile unit in the refinery can easily produce various products like distilate and gasoline. Dr. Leffler then outlines isomerization, and explains how the isom plant converts normal paraffins to isoparaffins.

DVD/2010/Run Time: 20:16 Minutes

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#7 RESIDUAL REDUCTION

In DVD 7, Residual Reduction, Dr. Leffler discusses the various techniques used to deal with residue in the refinery, including the coker, the delayed coker, and the flexicoker.

DVD/2010/Run Time: 16:35 Minutes

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#8 GASOLINE

In DVD 8, Gasoline, Dr. Leffler covers the demands of the internal combustion engine, and how that, along with the governmental restrictions placed on refineries, has shaped the way refiners produce and blend gasoline.

DVD/2010/Run Time: 32:59 Minutes

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#9 DISTILLATE AND RESIDUAL FUELS/ASPHALT

In DVD 9, Distillate and Residual Fuels/Asphalt, Dr. Leffler discusses distillate and residual fuels, such as kerosene, jet fuel, heating oil, and diesel fuels. He also discusses asphalt as a refinery product, and the various ways it is created.

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#10 HYDROGEN, HYDROTREATING, AND SULFUR PLANTS/REVIEW

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TROUBLESHOOTING PROCESS OPERATIONS, 4TH EDITION

by Norman P. Lieberman

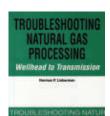
The definitive guide for refinery operations and maintenance, Troubleshooting Process Operations, 4th Edition, delivers unparalleled information to engineers and technicians. The 4th Edition updates maintenance and design techniques, and adds seven new chapters covering the latest information on turbines, motors, heat exchangers and environmentally friendly operations. A chemical engineer by training, author Norm Lieberman sprinkles his troubleshooting guide with insightful and humorous examples gained through 45 years in the refining industry.

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 Fluid catalytic cracking units
 FCCU product fractionation
 Saving energy at reduced feed rates Section 2 Process equipment • Refrigeration systems • Centrifugal pumps • Distillation towers • Vacuum towers • Treating liquid hydrocarbons • Process heaters • Water coolers • Alarms and trips • Section 3 Practical problems • Additional distillation problems • Fouled trays • Dehydrating light-ends towers • Vapor-liquid separation • Refinery metallurgy for novices • Unusual noises and vibrations • Section 4 Gas drying & compression • Gas drying • Gas compression • Section 5 The process engineer's job • Suggestions for new process operating engineers • Planning a performance test • Understanding control board instruments • How to make field measurements • Turbines, expanders and variable speed motors • Forced draft air coolers • Advances in heat exchanger design • Positive feedback loops • Troubleshooting control loops • Texas City - BP refinery fire • Environmentally friendly process concepts • The people problem • Appendix

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by Norman P. Lieberman

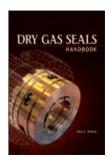
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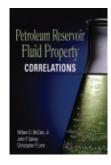
by H.C. "Slip" Slider

This text is written to include reservoirs that produce under steady-state conditions at much higher rates. You can be better prepared to solve reservoir engineering problems, in the U.S. and around the world. Problems are presented throughout the book to give you hands-on experience with various field calculations.

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426 Pages/Hardcover/1983

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PETROLEUM RESERVOIR FLUID PROPERTY CORRELATIONS

by William D. McCain, Jr., John P. Spivey, and Christopher P. Lenn

Large sets of petroleum fluid data exist for the various reservoir conditions and properties that occur in practice. This valuable book is the result of years of exhaustive research that gathered data sets from databases all over the world. The data was then compared against the results of many published correlations of fluid properties in order to find the "best in class" required in the petroleum industry. Those findings are offered here as recommended use in reservoir engineering calculations. The data sets cover natural gases, reservoir oils and reservoir waters (brines).

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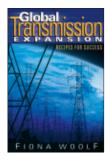
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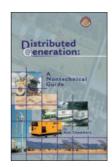
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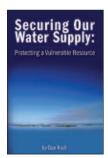
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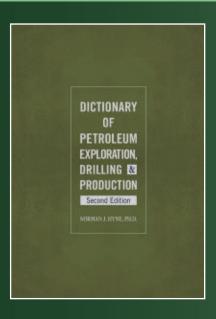
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