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Engineering with Excel #1: Error-Free and Easily Verified Calculation ToolsPetroleum Engineering Spreadsheets
Calculation examples are illustrated with computer spreadsheets that are provided with this ... rate and pressure at a specified node is called "Nodal analysis" in petroleum engineering. Nodal ...

Chapter 6: Well Deliverability
Existing software tools, primarily spreadsheets ... Holding several patents, he earned a Bachelor of Engineering degree in petroleum engineering from the University of Pune and an MS degree ...

Monetizing Permian basin well data to optimize infill completions
"Before algae become as big as petroleum, we'll have lots of algae being used beneficially ... assistant professor at the university's civil and environmental engineering department and lead author of ...

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Atlas: This startup is building software to let restaurants in Southeast Asia move more operations online, aiming to help restaurants create a closer bond with consumers that food delivery platforms ...

Here are all the companies from Y Combinator's Summer 2021 Demo Day, Part 1
QStory's IDA platform benefits any contact center with a basic scheduling engine because it offers a module that ingests scheduling data from a range of sources including simple spreadsheets and ...

QStory Applauded by Frost & Sullivan for Helping Contact Centers Build Flexible Work Environments with Its Intraday Automation Solution
Pry Financials wants to make startup finances approachable for its entire team, not just the people in charge of its accounting spreadsheets ... was 2010 through 2020 and as technology grew, the ...

Pry Financials raises $4.2M to make startup accounting more approachable
Using a spreadsheet, pencil and paper, or a debt payoff app, list your debts. Include the balance, interest rate and monthly minimum payment for each. Be sure to account for all forms of debt, like ...

Millennial Money: Beat your summer 'revenge shopping' debt
Opkit: Founded by early members of Brex's engineering team ... heavy metals or petroleum byproducts. These engineered organisms have regulatory approval and are heading to their first field ...

Petroleum Production Engineering, Second Edition, updates both the new and veteran engineer on how to employ day-to-day production fundamentals to solve real-world challenges with modern technology. Enhanced to include equations and references with today's more complex systems, such as working with horizontal wells, workovers, and an entire new section of chapters dedicated to flow assurance, this go-to reference remains the most all-inclusive source for answering all upstream and midstream production issues. Completely updated with five sections covering the entire production spectrum, including well productivity, equipment and facilities, well stimulation and workover, artificial lift methods, and flow assurance, this updated edition continues to deliver the most practical applied production techniques, answers, and methods for today's production engineer and manager. In addition, updated Excel spreadsheets that cover the most critical production equations from the book are included for download. Updated to cover today's critical production challenges, such as flow assurance, horizontal and multi-lateral wells, and workovers Guides users from theory to practical application with the help of over 50 online Excel spreadsheets that contain basic production equations, such as gas lift potential, multilateral gas well deliverability, and production forecasting Delivers an all-inclusive product with real-world answers for training or quick look up solutions for the entire petroleum production spectrum

Please contact the authors at upstream.petroleum.in.excel@gmail.com for details of how to access the trial version of Crystal Ball, as well as the Excel and other files which are *not* part of the e-book version download. "This is a book no deal team should be without. It is a must for those involved in upstream oil and gas transactions, planning, budgeting, investment appraisal and portfolio management. Its step–by–step approach cuts through complexity, making it comprehensive and understandable by a wide range of users with a wide range of abilities. It can be used as a textbook, an introductory primer or as a handbook that you can dip in and out of or read cover to cover." —Michael Lynch–Bell, Senior Advisor, Oil & Gas, Ernst & Young LLP; ex-officio Chairman, UN Expert Group on Resource Classification In the upstream petroleum industry, it is the value of post–tax cashflows which matters most to companies, governments, investors, lenders, analysts, and advisors. Calculating these cashflows and understanding their "behavior," however, is challenging, as the industry's specialized fiscal systems can be complex, jargon–laden, and sometimes seem to be a "world of their own". Upstream Petroleum Fiscal and Valuation Modeling in Excel: A Worked Examples Approach demystifies fiscal analysis which, unlike disciplines such as Earth sciences and engineering, can be learned from a book. Written in plain English for laymen and for experienced practitioners alike, it is a reader–friendly, clear, practical, step–by–step hands–on guide for both reference and self–paced study. The book does not catalogue the 100+ different petroleum fiscal regimes in use at the time of writing. Rather, drawing on the authors' combined 48 years' experience, it takes a more timeless, generic treatment, by covering the most common variants of royalties, taxation, production sharing arrangements, bonuses and abandonment funding , through a dual approach: first, showing how to model them in Excel , and then providing interactive exercises to prompt (and answer) questions that analyze impacts on cashflows. In addition to the main text, the book consists of over 120 Excel files (ranging from modular examples to full models) in Excel 2007 and 2003 formats; over 400 pages of supplementary PDF files; VBA features to enhance model functionality; and an introduction to risk modeling with exercises for the included trial version of Oracle's Crystal Ball software. It offers both a wealth of content and models equal to or surpassing what is available from fiscal modeling courses costing several times more; and greater insights into underlying calculations than commercially available "black box" fiscal software. New US Securities and Exchange Commission (SEC) rules planned for 2013 will force petroleum companies to disclose more fiscal information on an individual country basis. This will make it more important than ever for analysts to understand how to model oil and gas terms and the potential impacts of the disclosed government payments on future oil and gas company profitability. Due to the heavy use of graphics and cross references used in this particular text, some readers might find that the printed book offers a more optimal reading experience than certain e-formats particularly with the Kindle eMobi format.

This new edition of the Standard Handbook of Petroleum and Natural Gas Engineering provides you with the best, state-of-the-art coverage for every aspect of petroleum and natural gas engineering. With thousands of illustrations and 1,600 information-packed pages, this text is a handy and valuable reference. Written by over a dozen leading industry experts and academics, the Standard Handbook of Petroleum and Natural Gas Engineering provides the best, most comprehensive source of petroleum engineering information available. Now in an easy-to-use single volume format, this classic is one of the true "must haves" in any petroleum or natural gas engineer's library. * A classic for the oil and gas industry for over 65 years! * A comprehensive source for the newest developments, advances, and procedures in the petrochemical industry, covering everything from drilling and production to the economics of the oil patch. * Everything you need - all the facts, data, equipment, performance, and principles of petroleum engineering, information not found anywhere else. * A desktop reference for all kinds of calculations, tables, and equations that engineers need on the rig or in the office. * A time and money saver on procedural and equipment alternatives, application techniques, and new approaches to problems.

Standard Handbook of Petroleum and Natural Gas Engineering, Third Edition, provides you with the best, state-of-the-art coverage for every aspect of petroleum and natural gas engineering. With thousands of illustrations and 1,600 information-packed pages, this handbook is a handy and valuable reference. Written by dozens of leading industry experts and academics, the book provides the best, most comprehensive source of petroleum engineering information available. Now in an easy-to-use single volume format, this classic is one of the true "must haves" in any petroleum or natural gas engineer's library. A classic for over 65 years, this book is the most comprehensive source for the newest developments, advances, and procedures in the oil and gas industry. New to this edition are materials covering everything from drilling and production to the economics of the oil patch. Updated sections include: underbalanced drilling; integrated reservoir management; and environmental health and safety. The sections on natural gas have been updated with new sections on natural gas liquefaction processing, natural gas distribution, and transport. Additionally there are updated and new sections on offshore equipment and operations, subsea connection systems, production control systems, and subsea control systems. Standard Handbook of Petroleum and Natural Gas Engineering, Third Edition, is a one-stop training tool for any new petroleum engineer or veteran looking for a daily practical reference. Presents new and updated sections in drilling and production Covers all calculations, tables, and equations for every day petroleum engineers Features new sections on today's unconventional resources and reservoirs

The purpose of this work is to show some advanced concepts related to Excel based financial modelling. Microsoft Excel(TM) is a very powerful tool and most of the time we do not utilize its full potential. Of course, any advanced concepts require the basic knowledge which most of us have and then build on it. It is only by hands-on experimentation that one learns the art of constructing an efficient worksheet. The two volumes of this book cover dynamic charting, macros, goal seek, solver, the routine Excel functions commonly used, the lesser known Excel functions, the Excel's financial functions and so on. The introduction of macros in these books is not exhaustive but the purpose of what is presented is to show you the power of Excel and how it can be utilized to automate most repetitive calculations at a click of a button. For those who use Excel on a daily basis in financial modeling and project/investment evaluations, this book is a must.

Decisions That Changed My Life: An Inspiring True-Life Story Decisions That Changed My Life--the practical life experience of a poor African kid who grew up in the City of Aba, Nigeria--is for anyone who wants to read and learn about an inspiring true story. Excel Ogugbue offers up his dramatic life story as an example of how to beat the odds and live your dreams. His journey from loss and hardship in Nigeria to life in the United States is a gripping story that combines practical, nitty-gritty advice with exhilarating inspiration. This is an engaging story filled with the twists and turns, the drama and disappointments of real life. With a doctorate degree in petroleum engineering and a promising career in the oil and gas industry, Excel shares his experiences with raising money to fund his education and to support his family, as well as his inspiring stories of academic success, faith, honesty, and integrity that made him a candidate for the top.

There is a renaissance that is occurring in chemical and process engineering, and it is crucial for today's scientists, engineers, technicians, and operators to stay current. With so many changes over the last few decades in equipment and processes, petroleum refining is almost a living document, constantly needing updating. With no new refineries being built, companies are spending their capital re-tooling and adding on to existing plants. Refineries are like small cities, today, as they grow bigger and bigger and more and more complex. A huge percentage of a refinery can be changed, literally, from year to year, to account for the type of crude being refined or to integrate new equipment or processes. This book is the most up-to-date and comprehensive coverage of the most significant and recent changes to petroleum refining, presenting the state-of-the-art to the engineer, scientist, or student. Useful as a textbook, this is also an excellent, handy go-to reference for the veteran engineer, a volume no chemical or process engineering library should be without. Written by one of the world's foremost authorities, this book sets the standard for the industry and is an integral part of the petroleum refining renaissance. It is truly a must-have for any practicing engineer or student in this area.

Engineers and scientists can use spreadsheets to help them quickly solve technical problems. Ideal for analyzing and manipulating data, Quattro Pro spreadsheet software from Borland International, also turns out to be an excellent tool for technologists requiring database management, mathematical functions, graphing data, statistics, regressive analysis, matrix arithmetic, and more. In this book, professional engineer Robert G. Parks describes the specific functions of Quattro Pro 3.0 that benefit scientists and engineers in a range of disciplines. The book contains numerous examples with clearly defined steps to help technologists integrate Borland's powerful software into their daily work lives.

A comprehensive and practical guide to methods for solving complex petroleum engineering problems Petroleum engineering is guided by overarching scientific and mathematical principles, but there is sometimes a gap between theoretical knowledge and practical application. Petroleum Engineering: Principles, Calculations, and Workflows presents methods for solving a wide range of real-world petroleum engineering problems. Each chapter deals with a specific issue, and includes formulae that help explain primary principles of the problem before providing an easy to follow, practical application. Volume highlights include: A robust, integrated approach to solving inverse problems In-depth exploration of workflows with model and parameter validation Simple approaches to solving complex mathematical problems Complex calculations that can be easily implemented with simple methods Overview of key approaches required for software and application development Formulae and model guidance for diagnosis, initial modeling of parameters, and simulation and regression Petroleum Engineering: Principles, Calculations, and Workflows is a valuable and practical resource to a wide community of geoscientists, earth scientists, exploration geologists, and engineers. This accessible guide is also well-suited for graduate and postgraduate students, consultants, software developers, and professionals as an authoritative reference for day-to-day petroleum engineering problem solving.

A must-read for any practicing engineer or student in this area There is a renaissance that is occurring in chemical and process engineering, and it is crucial for today's scientists, engineers, technicians, and operators to stay current. This book offers the most up-to-date and comprehensive coverage of the most significant and recent changes to petroleum refining, presenting the state-of-the-art to the engineer, scientist, or student. Useful as a textbook, this is also an excellent, handy go-to reference for the veteran engineer, a volume no chemical or process engineering library should be without.

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