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Well Logging and Formation Evaluation
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Standard Handbook of Petroleum and Natural Gas Engineering: Volume 2
Geophysics and Geosequestration
Petroleum and Marine Technology Information Guide
Advanced Well Completion Engineering
Proceedings of the Ocean Drilling Program
Contributions in Petroleum Geology and Engineering: Volume 2
Advanced Petrophysics: Geology, porosity, absolute permeability, heterogeneity, and geostatistics
The Geological Interpretation of Well Logs
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Holes
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Cased-Hole Log Analysis and Reservoir Performance Monitoring
A Critical Laboratory and Field Evaluation of Selected Surface Prospecting Techniques for Locating Oil and Natural Gas
Well Integrity for Workovers and Recompletions
Weeks Island "S" Sand Reservoir B, Gravity Stable Miscible CO2 Displacement, Iberia Parish, Louisiana

Nuclear Science Abstracts
Standard Methods of Geophysical Formation Evaluation
Essentials of Modern Open-hole Log Interpretation

CHRIS RYAN

Dipmeter and Borehole Image Log Technology Amer Assn of Petroleum Geologists
Borehole imaging is among the fastest and most accurate methods for collecting high resolution subsurface data. Recent breakthroughs in acquisition, tool design, and modeling software provide real-time subsurface images of incredible detail, from the drill bit straight to a workstation. This text portrays key applications of dipmeter and image log data across the exploration and production life cycle.
An interactive computer program for openhole well log analysis AAPG
These three works cover the entire field of formation evaluation, from basic concepts and theories, through standard methods used by the petroleum industry, on to new and exciting applications in environmental science and engineering, hydrogeology, and other fields. Designed to be used individually or as a set, these volumes represent the first comprehensive assessment of all exploration methodologies. No other books offer the breadth of information and range of applications available in this set.
Applied Open-Hole Log Analysis Springer Nature
This book provides a succinct overview on the application of rate and pressure transient analysis in unconventional petroleum reservoirs. It begins by introducing unconventional reservoirs, including production challenges, and continues to explore the potential benefits of rate and pressure analysis methods. Rate transient analysis (RTA) and pressure transient analysis (PTA) are techniques for evaluating petroleum reservoir properties such as permeability, original hydrocarbon in-place, and hydrocarbon recovery using dynamic data. The brief introduces, describes and classifies both techniques, focusing on the application to shale and tight reservoirs. Authors have used illustrations, schematic views, and mathematical formulations and code programs to clearly explain application of RTA and PTA in complex petroleum systems. This brief is of an interest to academics, reservoir engineers and graduate students.
Encyclopedia of Well Log... Gulf Professional Publishing
This publication is a general introduction to common openhole logging measurements, both wire line and MWD/LWD, and the interpretation of those measurements to determine the traditional analytical goals of porosity, fluid saturation, and lithology/mineralogy. It is arranged by the interpretation goals of the data, rather than by the underlying physics of the measurements. The appendix files contain digital versions of the data from the case studies, a summary guide to the measurements and their interpretation, and a simple spreadsheet

containing some of the more common interpretation algorithms.
Well Logging and Formation Evaluation Elsevier
Written by foremost experts in the field, and formulated with attention to classroom use for advanced studies in reservoir characterization and processes, this book reviews and summarises state-of-the-art progress in the field of enhanced oil recovery (EOR). All of the available techniques: alkaline flooding; surfactant flooding; carbon dioxide flooding; steam flooding; in-situ combustion; gas injection; miscible flooding; microbial recovery; and polymer flooding are discussed and compared. Together with Volume I, it presents a complete text on enhanced recovery technology and, hence, is an almost indispensible reference text. This second volume compliments the first by presenting as complete an analysis as possible of current oilfield theory and technology, for accomplishment of maximum production of oil. Many different processes have been developed and field tested for enhancement of oil recovery. The emerging philosophy is that no single process is applicable to all petroleum reservoirs. Each must be treated as unique, and carefully evaluated for characteristics that are amenable to one or two of the proven technologies of EOR. This book will aid the engineer in field evaluation and selection of the best EOR technology for a given oilfield. Even the emerging technology of microbial applications to enhance oil recovery are reviewed and explained in terms that are easily understood by field engineers. The book is presented in a manner suitable for graduate studies. The only addition required of teachers is to supply example problems for class work. An appendix includes a reservoir mathematic model and program for general application that can also be used for teaching.
Rock Properties and Reservoir Engineering: A Practical View CRC Press
Volume 2 presents the industry standards and practices for reservoir engineering and production engineering. It also looks at all aspects of petroleum economics and shows how to estimate oil and gas reserves.
Standard Handbook of Petroleum and Natural Gas Engineering: Volume 2 Yearling
Once a natural gas or oil well is drilled, and it has been verified that commercially viable, it must be "completed" to allow for the flow of petroleum or natural gas out of the formation and up to the surface. This process includes: casing, pressure and temperature evaluation, and the proper instillation of equipment to ensure an efficient flow out of the well. In recent years, these processes have been greatly enhanced by new technologies. Advanced Well Completion Engineering summarizes and explains these advances while providing expert advice for deploying these new breakthrough engineering systems. The book has two themes: one, the idea of preventing damage, and preventing formation from drilling into an oil formation to putting the well introduction stage; and two, the utilization of nodal system analysis method, which optimizes the pressure distribution from reservoir to well head, and plays the sensitivity analysis to design the tubing

diameters first and then the production casing size, so as to achieve whole system optimization. With this book, drilling and production engineers should be able to improve operational efficiency by applying the latest state of the art technology in all facets of well completion during development drilling-completion and work over operations. One of the only books devoted to the key technologies for all major aspects of advanced well completion activities. Unique coverage of all aspects of well completion activities based on 25 years in the exploration, production and completion industry. Matchless in-depth technical advice for achieving operational excellence with advance solutions.

Geophysics and Geosequestration Greenleaf Book Group

This down-to-earth text gives you an edge in open-hole well log interpretation - access to the insight analysts gain from years of experience. Log analysis is a peculiar blend of art and science, requiring the ability to piece the clues provided by each log into the "big picture." That ability comes with experience and training - the kind of step-by-step training this book provides. Starting with the fundamentals, the book takes you through the study of individual curves on the log and the development of a complete picture to a study of supplementary curves and advanced methods of analysis. By providing a thorough working knowledge of the factors involved in log interpretation - porosity, permeability, resistivity, etc. - the book helps you better understand the assumptions and limitations of analysis that service companies seldom report. In addition, illustrated procedures guide you through each subject, and sample exercises at the end of each chapter give students an opportunity to test their knowledge. Logs only supply numbers. It takes insight to interpret those numbers correctly and to know which methods work in various situations. Such expertise can mean the difference between making money and losing it. This book gives you that expertise. Starting with the fundamentals, this text studies individual curves on the log and explains supplementary curves and advanced methods of analysis.

Petroleum and Marine Technology Information Guide AAPG

This book addresses vital issues, such as the evaluation of shale gas reservoirs and their production. Topics include the cased-hole logging environment, reservoir fluid properties; flow regimes; temperature, noise, cement bond, and pulsed neutron logging; and casing inspection. Production logging charts and tables are included in the appendices. The work serves as a comprehensive reference for production engineers with upstream E&P companies, well logging service company employees, university students, and petroleum industry training professionals.

Advanced Well Completion Engineering Gulf Professional Publishing

Logging has come a long way from the simple electrical devices of the early years. Today's tools are considerably more accurate and are used for an increasingly diverse number of tasks. Among these are tools that characterise geological properties of rocks in the borehole. Combined with new technology to drill

deviated wells, the geoscientist now has tools which allow him to characterise and develop reservoirs more accurately than ever. This book, written for researchers, graduate students and practising geoscientists, documents these techniques and illustrates their use in a number of typical case studies.

Proceedings of the Ocean Drilling Program

Springer Science & Business Media

A practical, fast-paced approach to teaching the concepts and problems common in petroleum engineering that will appeal to a wide range of disciplines Petrophysics is the study of rock properties and their interactions with fluids, including gases, liquid hydrocarbons, and aqueous solutions. This three-volume series from distinguished University of Texas professor Dr. Ekwere J. Peters provides a basic understanding of the physical properties of permeable geologic rocks and the interactions of the various fluids with their interstitial surfaces, with special focus on the transport properties of rocks for single-phase and multiphase flow. Based on Dr. Peters's graduate course that has been taught internationally in corporations and classrooms, the series covers core topics and includes full-color CT and NMR images, graphs, and figures to illustrate practical application of the material. Subjects addressed in volume 1 (chapters 1-4) include - Geological concepts - Porosity and water saturation - Absolute permeability - Heterogeneity and geostatistics Advanced Petrophysics features over 140 exercises designed to strengthen learning and extend concepts into practice. Additional information in the appendices covers dimensional analysis and a series of real-world projects that enable the student to apply the principles presented in the text to build a petrophysical model using well logs and core data from a major petroleum-producing province.

Contributions in Petroleum Geology and Engineering: Volume 2

Pennwell Corporation

#1 NEW YORK TIMES BESTSELLER • NEWBERY MEDAL WINNER • NATIONAL BOOK AWARD WINNER Dig deep in this award-winning, modern classic that will remind readers that adventure is right around the corner--or just under your feet! Stanley Yelnats is under a curse. A curse that began with his no-good-dirty-rotten-pig-stealing-great-great-grandfather and has since followed generations of Yelnatses. Now Stanley has been unjustly sent to a boys' detention center, Camp Green Lake, where the boys build character by spending all day, every day digging holes exactly five feet wide and five feet deep. There is no lake at Camp Green Lake. But there are an awful lot of holes. It doesn't take long for Stanley to realize there's more than character improvement going on at Camp Green Lake. The boys are digging holes because the warden is looking for something. But what could be buried under a dried-up lake? Stanley tries to dig up the truth in this inventive and darkly humorous tale of crime and punishment—and redemption. "A smart jigsaw puzzle of a novel." —New York Times *Includes a double bonus: an excerpt from Small Steps, the follow-up to Holes, as well as an excerpt from the New York Times bestseller Fuzzy Mud.

Advanced Petrophysics: Geology, porosity, absolute permeability, heterogeneity, and geostatistics Editions OPHRYS
Well Integrity for Workovers and Recompletions delivers the concise steps and processes necessary to ensure that production wells minimize failure. After understanding the introductory background on well integrity and establishing the best baseline, the reference advances into various failure modes that can be expected. Rounding out with an explanation and tools concerning economic considerations, such as how to increase reserve potential and rate of return, the book gives oil and gas engineers and managers a vital solution to keeping their assets safe and effective for the long-term gain. Helps readers understand how to protect wells through the production, workover and recompletion lifecycle, both from an economic standpoint and technical view Includes real-world examples with quizzes included at the end of each chapter Examines why establishing an integrity baseline is important, along with a Well Integrity Management System Springer
Part 1, "fundamentals", includes magnetic and electrical methods, subsurface geophysics, near-surface seismology, electromagnetic induction, and ground-penetrating radar. Part 2, "applications", includes determination of physical properties, multimethod surveys and integrated interpretations, and model-based survey planning, execution, and interpretation.
The Geological Interpretation of Well Logs SEG Books
This hand guide in the Gulf Drilling Guides series offers practical techniques that are valuable to petrophysicists and engineers in their day-to-day jobs. Based on the author’s many years of experience working in oil companies around the world, this guide is a comprehensive collection of techniques and rules of thumb that work. The primary functions of the drilling or petroleum engineer are to ensure that the right operational decisions are made during the course of drilling and testing a well, from data gathering, completion and testing, and thereafter to provide the necessary parameters to enable an accurate static and dynamic model of the reservoir to be constructed. This guide supplies these, and many other, answers to their everyday problems. There are chapters on NMR logging, core analysis, sampling, and interpretation of the data to give the engineer a full picture of the formation. There is no other single guide like this, covering all aspects of well logging and formation evaluation, completely updated with the latest techniques and applications. · A valuable reference dedicated solely to well logging and formation evaluation. · Comprehensive coverage of the latest technologies and practices, including, troubleshooting for stuck pipe, operational decisions, and logging contracts. · Packed with money-saving and time saving strategies for the engineer working in the field.
Development Geology Reference Manual Elsevier
Openhole Log Analysis and Formation EvaluationApplied Open-Hole Log AnalysisOpen-hole Log Analysis and Formation EvaluationCased-Hole Log Analysis and Reservoir Performance MonitoringSpringer

Holes Openhole Log Analysis and Formation EvaluationApplied Open-Hole Log AnalysisOpen-hole Log Analysis and Formation EvaluationCased-Hole Log Analysis and Reservoir Performance Monitoring This book presents modern log interpretation simply and concisely for the geologist, petrophysicist, reservoir engineer, and production engineer familiar with rock properties but inexperienced with logs. It helps you specify good logging programs with up-to-date tools and interpret zones of interest with the latest techniques. You will also become familiar with computer-processed logs generated by the service companies at the wellsite and office.

Groundwater in the Celtic Regions Geological Society of London
An overview of the geophysical techniques and analysis methods for monitoring subsurface carbon dioxide storage for researchers and industry practitioners.

Openhole Log Analysis and Formation Evaluation Butterworth-Heinemann
First published in 1981 as the Offshore Information Guide this guide to information sources has been hailed internationally as an indispensable handbook for the oil, gas and marine industries.

Applied Openhole Log Interpretation (for Geologists and Engineers) Gulf Professional Publishing
This book comprehensively identifies most reservoir rock properties using a very simple approach. It aids junior and senior reservoir and geology engineers to understand the main fundamentals of rock properties. The book provides examples and solutions that can help the readers to quickly understand the topic. This book covers reservoir rock properties and their relationship to each other. The book includes many figures, tables, exercises, and flow diagrams to simplify the topics in different approaches.

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