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The APPEA Journal 1999

Proceedings ... SPE Annual Technical Conference and Exhibition Society of Petroleum Engineers (U.S.). Technical Conference and Exhibition 1997

Petrophysics 2006

Transactions of the SPWLA ... Annual Logging Symposium Society of Professional Well Log Analysts 2004

JPT. Journal of Petroleum Technology 2001

List of Publications United States. Bureau of Mines 1960

Reservoir Characterization II Lake 2012-12-02 Reservoir Characterization II contains the proceedings of the Second International Reservoir Characterization Conference held in Dallas, Texas in June 1989. Contributors focus on the characterization of reservoir processes and cover topics ranging from surface roughness in porous media and reservoir characterization at the mesoscopic scale to shale clast heterogeneities and their effect on fluid flow, permeability patterns in fluvial sandstones, and reservoir management using 3-D seismic data. This book is organized into six sections encompassing 43 chapters. The first 20 chapters deal with reservoir characterization at the microscopic, mesoscopic, and macroscopic scales. Topics include low-contrast resistivity sandstone formations; the use of centrifuge and computer tomography to quantify saturation distribution and capillary pressures; and cross-well seismology as a tool for reservoir geophysics. The chapters that follow deal with reservoir characterization at the megascopic scale; fractal heterogeneity of clastic reservoirs; heterogeneity and effective permeability of porous rocks; and drilling fluid design based on reservoir characterization. A chapter that outlines a procedure for estimating permeability anisotropy with a minipermeameter concludes the book. This book is a valuable resource for students and practitioners of petroleum engineering, geology and geological engineering, petroleum exploration, and geophysics.

Advances in Core Evaluation I Paul F. Worthington 1991

Proceedings Society of Core Analysts. International Symposium 2008

Petroleum Engineer's Guide to Oil Field Chemicals and Fluids Johannes Fink 2015-08-31 The oil and gas engineer on the job requires knowing all the available oil field chemicals and fluid applications that are applicable to the operation. Updated with the newest technology and

available products, Petroleum Engineer’s Guide to Oil Field Chemicals and Fluids, Second Edition, delivers all the necessary lists of chemicals by use, their basic components, benefits, and environmental implications. In order to maintain reservoir protection and peak well production performance, operators demand to know all the options that are available. Instead of searching through various sources, Petroleum Engineer’s Guide to Oil Field Chemicals and Fluids, Second Edition, presents a one-stop non-commercialized approach by organizing the products by function, matching the chemical to the process for practical problem-solving and extending the coverage with additional resources and supportive materials. Covering the full spectrum, including fluid loss additives, drilling muds, cement additives, and oil spill treating agents, this must-have reference answers to every oil and gas operation with more options for lower costs, safer use, and enhanced production. Effectively locate and utilize the right chemical application specific to your oil and gas operation with author’s systematic approach by use Gain coverage on all oil field chemicals and fluids needed throughout the entire oil and gas life cycle, including drilling, production, and cementing Understand environmental factors and risks for oil field chemicals, along with pluses and minuses of each application, to make the best and safest choice for your operation

Carbonate Reservoir Characterization: A Geologic-Engineering Analysis S.J. Mazzullo 1996-11-22 This second volume on carbonate reservoirs completes the two-volume treatise on this important topic for petroleum engineers and geologists. Together, the volumes form a complete, modern reference to the properties and production behaviour of carbonate petroleum reservoirs. The book contains valuable glossaries to geologic and petroleum engineering terms providing exact definitions for writers and speakers. Lecturers will find a useful appendix devoted to questions and problems that can be used for teaching assignments as well as a guide for lecture development. In addition, there is a chapter devoted to core analysis of carbonate rocks which is ideal for laboratory instruction. Managers and production engineers will find a review of the latest laboratory technology for carbonate formation evaluation in the chapter on core analysis. The modern classification of carbonate rocks is presented with petroleum production performance and overall characterization using seismic and well test analyses. Separate chapters are devoted to the important naturally fractured and chalk reservoirs. Throughout the book, the emphasis is on formation evaluation and performance. This two-volume work brings together the wide variety of approaches to the study of carbonate reservoirs and will therefore be of value to managers, engineers, geologists and lecturers.

Geoscience Documentation 1993

Advanced Petrophysics Ekwere J. Peters 2012-05 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. Topics addressed in volume 2 (chapters 5-8) include Dispersion in porous media Interfacial phenomena and wettability Capillary pressure Relative permeability 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.

Advanced Well Completion Engineering Wan Renpu 2011-08-23 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.

Energy Developments: New Forms, Renewables, Conservation Fred A. Curtis 2013-09-17 Energy Developments: New Forms, Renewables, Conservation is a collection of papers that discusses alternative energy sources. In discussing these energy sources, the text considers factors such as technical, economic, and human dimensions. The first part of the text presents articles that cover forms of energy, such as the feasibility of coal gasification and electric power from salinity gradients by reverse electrodialysis. Next, the book reviews materials about renewable forms of energy that include genetically improved hardwoods as a potential energy source and heat pump investigations for northern climate applications. In the last part, the text provides studies that deal with energy conservation, such as shared savings financing for energy efficiency and consumer information, and government energy conservation incentive programs. The book will be of use to scientists, engineers, and technicians involved in the research, development, and implementation of alternative energy technology.

Imperial College Lectures In Petroleum Engineering, The - Volume 4: Drilling And Reservoir Appraisal Vural Sander Suicmez 2018-07-26 This book covers the fundamentals of drilling and reservoir appraisal for petroleum. Split into three sections, the first looks at the basic principles of well engineering in terms of planning, design and construction. It then goes on to describe well safety, costs and operations management. The second section is focussed on drilling and core analysis, and the laboratory measurement of the physico-chemical properties of samples. It is clear that efficient development of hydrocarbon reservoirs is highly dependent on understanding these key properties, and the data can only be gathered through a carefully conducted core-analysis program, as described. Finally, in the third section we look at production logging, an essential part of reservoir appraisal, which describes the nature and the behaviour of fluids in or around the borehole. It describes how to know, at a given time, phase by phase, and zone by zone, how much fluid is coming out of or going into the formation.As part of the Imperial College Lectures in Petroleum Engineering, and based on a lecture series on the same topic, Drilling and Reservoir

Appraisal provides the introductory information needed for students of the earth sciences, petroleum engineering, engineering and geoscience.

Advances in Core Evaluation P. F. Worthington 1991 Twenty-five papers from EUROCAS II address ways of increasing the value of core analysis, and emphasize the role of core analysis in calibrating geological, geophysical and well log interpretations. Coverage includes sample preparation, geological characterization, elastic properties, electrical properties, single-phase permeation properties and multi- phase permeation properties. Produced from typescripts on coated stock. Includes color plates. Annotation copyrighted by Book News, Inc., Portland, OR

Fluid Flow and Solute Movement in Sandstones Ronald D. Barker 2006 Sandstone aquifers are common worldwide: they contain a significant proportion of the Earth's fresh water supplies. However, because of their textural complexity and the frequent occurrence of both matrix and fracture flow, prediction of flow and pollutant migration is still a considerable challenge. This volume contains a collection of papers summarizing current research on an example sandstone aquifer: the UK Permo-Triassic Sandstone sequence. These red bed, organic-poor sandstones are of fluvial and aeolian origin, are often strongly textured, and are cut by discontinuities of a wide range of permeabilities. Matrix flow often dominates, but fracture flow also occurs. The papers in the volume deal with research on saturated and unsaturated flow, and solute and non-aqueous-phase liquid movement. They cover investigations from laboratory to regional scale, and involve a wide range of approaches, from petrophysical through geophysical and hydrochemical to modelling. The book is intended to be of interest to researchers and practitioners involved in water resources and groundwater pollution, and to hydrogeology, water engineering, and environmental science students.

Oil & Gas Science and Technology 2004

Petroleum Geoscience 1995

Oil Field Chemicals Johannes Fink 2003-08-19 Oil field chemicals are gaining increasing importance, as the resources of crude oil are decreasing. An increasing demand of more sophisticated methods in the exploitation of the natural resources emerges for this reason. This book reviews the progress in the area of oil field chemicals and additives of the last decade from a rather chemical view. The material presented is a compilation from the literature by screening critically approximately 20,000 references. The text is ordered according to applications, just in the way how the jobs are emerging in practice. It starts with drilling, goes to productions and ends with oil spill. Several chemicals are used in multiple disciplines, and to those separate chapters are devoted. Two index registers are available, an index of chemical substances and a general index. * Gives an introduction to the chemically orientated petroleum engineer. * Provides the petroleum engineer involved with research and development with a quick reference tool. * Covers interdisciplinary matter, i.e. connects petroleum recovery and handling with chemical aspects.

Forthcoming Books Rose Arny 1997

Petroleum Engineering 2012-12-06 The need for this book has arisen from demand for a current text from our students in Petroleum Engineering at Imperial College and from post-experience Short Course students. It is, however, hoped that the material will also be of more general use to practising petroleum engineers and those wishing for aa introduction into the specialist literature. The book is arranged to provide both background and overview into many facets of petroleum engineering, particularly as practised in the offshore environments of North West Europe. The material is largely based on the authors' experience as teachers and consultants and is supplemented by worked problems where they are believed to enhance understanding. The authors would like to express their sincere thanks and appreciation to all the people who have

helped in the preparation of this book by technical comment and discussion and by giving permission to reproduce material. In particular we would like to thank our present colleagues and students at Imperial College and at ERC Energy Resource Consultants Ltd. for their stimulating company, Jill and Janel for typing seemingly endless manuscripts; Dan Smith at Graham and Trotman Ltd. for his perseverence and optimism; and Lesley and Joan for believing that one day things would return to normality. John S. Archer and Colin G. Wall 1986 ix Foreword Petroleum engineering has developed as an area of study only over the present century. It now provides the technical basis for the exploitation of petroleum fluids in subsurface sedimentary rock reservoirs.

The Journal of Canadian Petroleum Technology 1994

Advances in Core Evaluation Paul F. Worthington 1990 First Published in 1990. Routledge is an imprint of Taylor & Francis, an informa company.

List of Bureau of Mines Publications and Articles ... with Subject and Author Index United States. Bureau of Mines 1970

Petroleum Abstracts 1996

Clay Mineral Cements in Sandstones Richard Worden 2009-03-05 Clay minerals are one of the most important groups of minerals thatdestroy permeability in sandstones. However, they also react withdrilling and completion fluids and induce fines migration duringhydrocarbon production. They are a very complex family of mineralsthat are routinely intergrown with each other, contain a wide rangeof solid solutions and form by a variety of processes under a widerange temperatures and rock and fluid compositions. In this volume, clay minerals in sandstones are reviewed interms of their mineralogy and general occurrence, their stable andradiogenic isotope geochemistry, XRD quantification, their effectson the petrophysical properties of sandstones and theirrelationships to sequence stratigraphy and palaeoclimate. Thecontrols on various clay minerals are addressed and a variety ofgeochemical issues, including the importance of mass flux, links tocarbonate mineral diagenesis and linked clay mineral diagenesis ininterbedded mudstone-sandstone are explored. A number of casestudies are included for kaolin, illite and chlorite cements, andthe occurrence of smectite in sandstone is reviewed. Experimentalrate data for clay cements in sandstones are reviewed and there aretwo model-based case studies that address the rates of growth ofkaolinite and illite. The readership of this volume will include sedimentologists andpetrographers who deal with the occurrence, spatial and temporaldistribution patterns and importance of clay mineral cements insandstones, geochemists involved in unraveling the factors thatcontrol clay mineral cement formation in sandstones and petroleumgeoscientists involved in predicting clay mineral distribution insandstones. The book will also be of interest to geologistsinvolved in palaeoclimate studies basin analysis. Latest geochemical data on clays in sandstones Provides important information for geologists involved inbasin analysis, sandstone petrology and petroleum geology If you are a member of the International Association ofSedimentologists (IAS), for purchasing details, please see:http://www.iasnet.org/publications/details.asp?code=SP34

Site Characterization Progress Report 1996

Core Analysis Colin McPhee 2015-12-10 Core Analysis: A Best Practice Guide is a practical guide to the design of core analysis programs. Written to address the need for an updated set of recommended practices covering special core analysis and geomechanics tests, the book also provides unique insights into data quality control diagnosis and data utilization in reservoir models. The book's best practices and procedures benefit petrophysicists, geoscientists, reservoir engineers, and production engineers, who will find useful information on core data in reservoir static and dynamic models. It provides a solid understanding of the core analysis procedures and

methods used by commercial laboratories, the details of lab data reporting required to create quality control tests, and the diagnostic plots and protocols that can be used to identify suspect or erroneous data. Provides a practical overview of core analysis, from coring at the well site to laboratory data acquisition and interpretation Defines current best practice in core analysis preparation and test procedures, and the diagnostic tools used to quality control core data Provides essential information on design of core analysis programs and to judge the quality and reliability of core analysis data ultimately used in reservoir evaluation Of specific interest to those working in core analysis, porosity, relative permeability, and geomechanics

The Log Analyst 1997

Fundamentals of Reservoir Rock Properties Tarek Al-Arbi Omar Ganat 2019-09-05 This book explains the basic technologies, concepts, approaches, and terms used in relation to reservoir rocks. Accessible to engineers in varying roles, it provides the tools necessary for building reservoir characterization and simulation models that improve resource definition and recovery, even in complex depositional environments. The book is enriched with numerous examples from a wide variety of applications, to help readers understand the topics. It also describes in detail the key relationships between the different rock properties and their variables. As such, it is of interest to researchers, engineers, lab technicians, and postgraduate students in the field of petroleum engineering.

Petroleum and Marine Technology Information Guide J. Hutcheon 2003-09-02 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.

Unconventional Gas Reservoirs M. Rafiqul Islam 2014-10-23 Natural gas, especially unconventional gas, has an increasingly important role in meeting the world's energy needs. Experts estimate that it has the potential to add anywhere from 60-250% to the global proven gas reserve in the next two decades. To maintain pace with increasing global demand, Unconventional Gas Reservoirs provides the necessary bridge into the newer processes, approaches and designs to help identify these more uncommon reservoirs available and how to maximize its unconventional potential. Loaded with reservoir development and characterization strategies, this book will show you how to: Recognize the challenges and opportunities surrounding unconventional gas reservoirs Distinguish among the various types of unconventional reservoirs, such as shale gas, coalbed methane, and tight gas formations Drill down and quantify the reservoir’s economic potential and other critical considerations Gain practical insights and tools to efficiently identify, appraise, and develop unconventional gas reservoirs Understand various techniques used to analyze reservoir parameters and performance as well as how they were applied to numerous real-world case studies Upgrade to the latest information on perspectives and insights with discussion of key differences used for today’s unconventional gas characterization versus original conventional methods that failed in the past

Visión Tecnológica 1993

Core-log Integration Peter K. Harvey 1998 This volume addresses some of the problems of core-log integration encountered by scientists and engineers from both industry and academia. Core and log measurements provide crucial information about subsurface formations. Their usage, either for integration or calibration, is complicated by the different measurement methods employed, different volumes of formation analysed and, in turn, the heterogeneity of the formations. While the problems of comparing core and log data are only too well known, the way in which these data can be most efficiently combined is not at all clear in most cases. In recent years there has been increased interest in this problem, both in industry and academia, due to

developments in technology which offer access to new types of information and, in the case of industry, pressure for improved reservoir models and hydrocarbon recovery. The application of new numerical methods for analysing and modelling core and log data, the availability of core scanning facilities, and novel core measurements in both two and three dimensions, currently provide a framework for the development of new and exciting approaches to core-log integration. The contributions within Core-Log Integration geologically range from hydrocarbon-bearing sediments in the North Sea to the volcanic rocks that form the upper part of the oceanic crust.

Annual Technical Conference Preprints	Society of Core Analysts	1991
The Quarterly Journal of Engineering Geology		1995
The APEA Journal	Australian Petroleum Exploration Association	1995
United States Congressional Serial Set		1984