Deep Water Turbidite Systems Reprint Series Volume 3 Of The Ias International Association Of Sedimentologists Reprints

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A Study of Land Information - 1990

Deep-Water Processes and Facies Models: Implications for Sandstone Petroleum Reservoirs - G. Shanmugam 2006-03-31
This rock-based book is an attempt to link deep-water process sedimentology with sandstone petroleum reservoirs. In presenting a consistent process interpretation, the author has relied on his description and interpretation of core and outcrop (1:20 to 1:50 scale) from 35 case studies (which include 32 petroleum reservoirs), totaling more than 30,000 feet (9,145 m), carried out during the past 30 years (1974-2004). This book should serve as an important source of information for students on history, methodology, first principles, advanced concepts, controversies, and practical applications on deep-water sedimentology and petroleum geology. * Discusses the link between deep-water process sedimentology and petroleum geology * Addresses criteria for recognizing deposits of gravity-driven, thermohaline-driven, wind-driven, and tide-driven processes in deep-water environments * Provides head-on approach to resolve controversial process-related problems
ONGC Bulletin - 1987

AAPG Reprint Series 1984

Geologica Belgica - 2005

Deep-Water Turbidite Systems Dorrik A. V. Stow 2009-04-15
This third volume in the IAS Reprint Series reviews some of themajor contributions that have been made over the last twenty yearsto our understanding of deep water environments. Few groups ofrocks have received as much attention in recent years as deep seasands and yet retained so many unsolved problems - How far and howfast can sediment debris flows travel? Do the many ancient seriesthat have been interpreted as submarine fan deposits bear anyresemblance to present day deep sea flows? How valid are thesequences described as coarsening upward or fining upward, and howshould they be interpreted? This timely review of contributionsmade to this area of study since 1970 reflects the heightenedinterest that has surrounded it. Deep Water Turbidite Systems contains 22 papers(reproduced in full) and 22 abstracts of papers that have appearedin the journal Sedimentology, concerned with the broadspectrum of topics within the field of turbidites and associateddeep water systems. If you are a member of the International Association ofSedimentologists, for purchasing details, please see:http://www.iasnet.org/publications/details.asp?code=RP3
Revista geológica de Chile - 1996

Depositional Systems - Richard Albert Davis 1992
"Offering a solid introduction to the principles and applications of sedimentology and stratigraphy, author Richard A. Davis Jr. emphasizes the integration of these two areas and covers both modern and ancient depositional environments using modern examples and excellent illustrations. The Second Edition presents updated technical information, and offers a major reorganization of chapters to promote greater clarity and to place greater emphasis on more current topics. Additional content highlights: provides new approaches to basic analysis, including sequence stratigraphy; integrates genetically related depositional environments that share a common thread in concurrent chapters; discusses topics such as sedimentary processes and structures, the desert system, the fluvial system, the delta system, the barrier island system, reefs and the carbonate platform system, the deep ocean system, and much more." --
Palaeontology and Facies of the Late Famennian in the Paffrath Syncline (Rhenish Massif, Germany) - Christoph Hartkopf-Fröder 2004

New Zealand Journal of Geology and Geophysics

SEPM Reprint Series - Society of Economic Paleontologists and Mineralogists 1976

Deep Marine Systems - Kevin T. Pickering 2015-10-23
Deep-water (below wave base) processes, although generallyhidden from view, shape the sedimentary record of more than 65% ofthe Earth’s surface, including large parts of ancientmountain belts. This book aims to inform advanced-levelundergraduate and postgraduate students, and professional Earthscientists with interests in physical oceanography and hydrocarbonexploration and production, about many of the important physicalaspects of deep-water (mainly deep-marine) systems. The authorsconsider transport and deposition in the deep sea, trace-fossilassemblages, and facies stacking patterns as an archive of theunderlying controls on deposit architecture (e.g., seismicity,climate change, autocyclicity). Topics include modern and ancientdeep-water sedimentary environments, tectonic settings, and howbasinal and extra-basinal processes generate the typicalcharacteristics of basin slopes, submarine canyons, contouritemounds and drifts, submarine fans, basin floors and abyssalplains.
First Break 1992

Deep-marine Sedimentation Geoff C. Brown 1990

Deepwater Sedimentary Systems - Jon R. Rotzien 2022-08-18
Deepwater Sedimentary Systems: Science, Discovery and Applications helps readers identify, understand and interpret deepwater sedimentary systems at various scales – both onshore and offshore. This book describes the best practices in the integration of geology, geophysics, engineering, technology and economics used to inform smart business decisions in these diverse environments. It draws on technical results gained from deepwater exploration and production drilling campaigns and global field analog studies. With the multi-decadal resilience of deepwater exploration and production and the nature of its

inherent uncertainty, this book serves as the essential reference for companies, consultancies, universities, governments and deepwater practitioners around the world seeking to understand deepwater systems and how to explore for and produce resources in these frontier environments. From an academic perspective, readers will use this book as the primer for understanding the processes, deposits and sedimentary environments in deep water – from deep oceans to deep lakes. This book provides conceptual approaches and state-of-the-art information on deepwater systems, as well as scenarios for the next 100 years of human-led exploration and development in deepwater, offshore environments. The students taught this material in today's classrooms will become the leaders of tomorrow in Earth's deepwater frontier. This book provides a broad foundation in deepwater sedimentary systems. What may take an individual dozens of academic and professional courses to achieve an understanding in these systems is provided here in one book. Presents a holistic view of how subsurface and engineering processes work together in the energy industry, bringing together contributions from the various technical and engineering disciplines Provides diverse perspectives from a global authorship to create an accurate picture of the process of deepwater exploration and production around the world Helps readers understand how to interpret deepwater systems at various scales to inform smart business decisions, with a significant portion of the workflows derived from the upstream energy industry

Acta Geologica Taiwanica - 1982

Introduction to Sedimentology - Supriya Sengupta 2017-10-05

A concise account of all major branches of sedimentary geology, highlighting the connecting links between them. Introduction; Processes of sedimentation; Sedimentary texture; Sedimentary petrology; Hydraulics, sediment transportation and structures of mechanical origin; Sedimentary environments and facies; Tectonics and sedimentation; Stratigraphy and sedimentation; Basin analysis: A synthesis; References; Index.

Sequence Stratigraphy and Depositional Systems of the Paleocene Andrew Formation in the Central North Sea - Brian C. Reinsborough 1993

This study focuses on the main depocenter of the Andrew Formation in the Moray Firth Basin, located at the junction of the Central and Viking Grabens, in the central North Sea. The objectives of this report are to (1) define the sequence stratigraphic framework of the Andrew Formation, (2) describe and characterize the depositional systems associated to the Andrew slope to basin system, and (3) interpret the depositional processes that have dominated sediment emplacement. Specific facies association of the Andrew Formation are determined by the nature (point source or linear source) and caliber (volume, grain size, sand:mud) of sediment supply to the slope environment. Genetic interpretation of the Andrew Formation focuses on understanding depositional processes which dominated sediment emplacement. Seven depositional facies have been identified for the Andrew slope and basinal system; turbidite channel-fills, turbidite lobes, mounded turbidite lobes, sheet turbidites, debris flows and slumps, low density turbidites and hemipelagic drapes. Seven depositional processes collectively create the above mentioned Andrew depositional facies; turbidity currents, cohesive mud flows, sandy debris flows, muddy debris flows, slumping, low density turbidity currents and suspension settling. The Andrew Formation consists of upper and lower depositional units identified on seismic by bounding downlap terminations and on well logs by high-gamma marker beds. The lower Andrew displays three distinct sand-rich lobes, delineated by isopach and sand percent maps and log motif characteristics. Proximal, mounded, sand-rich units disperse into unchannelized sheet turbidites in the basin plain areas. The upper Andrew downlaps the lower unit, and a single, linear sediment source was centered in the Witch Ground Graben. The sediment dispersal pattern and internal facies character suggest the upper unit is a proximal slope-apron downlapping and filling inter-lobe bathymetric lows of the underlying unit. The lower Andrew is interpreted to be a structurally focused, sand-rich lobe complex, without associated incised canyons. The Andrew system evolved as the delta platform expanded onto the proximal fan, resulting in a linear sediment source spilling over the slope as a fringing slope-apron. The Andrew depositional system in the slope and basin environment is characterized by a high degree of facies disorganization composed of a wide array of gravity-flow deposits.

Deep Water Canyons, Fans, and Facies - Roderick W. Tillman 1982

Confined Turbidite Systems - Simon A. Lomas 2004

This publication reflects a growing appreciation of the extent to which turbidite depositional system development is fundamentally affected by basin-floor topography. In the many turbidite and turbidite hydrocarbon reservoirs, depositional patterns have been moderately to strongly confined by pre-existing slopes. This volume examines aspects of sediment dispersal and accumulation in deep-water systems where sea-floor topography has exerted a decisive control on deposition, and explores the associated controls on hydrocarbon reservoir architecture and heterogeneity.

Borehole Imaging - Gail Williamson 1999

Acta geologica polonica - 2010

Geology of the Carboniferous Bay St. George Subbasin, Western Newfoundland - Ian Knight 1983

Geology By Design - Carl Froede Jr. 2007-08-01

Presents and authoritative and biblical geological time-line for high school students and adults. Includes substantial illustrations, a glossary, and an extensive reference section. Clearly explains how data from volcanic deposits, seismic activity in Earth history, and even the presence of ripple marks in rock layers support the Bible as history. From the acclaimed Creation Research Society, this technical study of rock strata, and the fossils found therein, gives a solidly scientific rationale for believing in a young earth. This advanced guide is ideal for upper-level homeschool students, college students, or anyone wishing to explore this fascinating subject in-depth and includes questions for review at the end of each chapter. Froede presents a credible geological time-line and explains the formation and existence of fossil layers in rock sediments around the world.

Southeastern Geology - 1980

Oil & Gas Science and Technology - 2004

Geological Circular - 1997

Deep-water Contourite Systems - Dorrik A. V. Stow 2002

Principles of Sedimentology and Stratigraphy - Sam Boggs 2006

A concise treatment of the fundamental principles of sedimentology and stratigraphy, featuring the important physical, chemical, biological and stratigraphic characteristics of sedimentary rocks. Emphasized are the ways in which the study of sedimentary rocks is used to interpret depositional environments, changes in ancient sea level, and other intriguing aspects of Earth history. Topics include the origin and transport of sedimentary materials; physical properties of sedimentary rocks; composition, classification and diagenesis of sedimentary rocks and principles of stratigraphy and basin analysis. For individuals interested in one text providing comprehensive coverage of both sedimentology and stratigraphy.

Sedimentology - Herve Chamley 2012-12-06

Sedimentology is an easily readable textbook for undergraduate students, devoted to the main factors of sedimentation and to sedimentary environments. The basic vocabulary and the main processes are presented in a very attractive form. The presentation of sedimentary processes is illustrated by many examples. While most cases are related to present day sedimentation, a few applications to past sedimentary environments are also supplied for each considered topic.

Paperbound Books in Print Fall 1995 - Bowker Reference Publishing 1995-10

Proceedings - 1988

Books in Print - 1995

Petroleum Abstracts - 1997

Pétrologie sédimentaire. Des roches aux processus. Cédric - Frédéric Boulvain 2022-10-04
Un livre pour comprendre ce que nous racontent les roches sédimentaires qui couvrent près de 90 % de la surface de la Terre. La première partie de l’ouvrage s’intéresse aux processus sédimentaires qui façonnent l’histoire d’un grain minéral depuis son érosion jusqu’à son dépôt dans un lac ou un bassin océanique et sa transformation ultérieure en roche. La seconde partie est consacrée aux grandes familles de roches sédimentaires et à leur environnement de dépôt : roches détritiques, carbonatées, organiques (pétrole, charbon), siliceuses, phosphatées, ferrifères, évaporitiques et volcano-sédimentaires. Un chapitre entier est consacré aux récifs et autres bioconstructions. La finalité de cette seconde partie est de livrer des clés permettant d’interpréter les environnements de dépôts anciens.
Proceedings - Offshore Technology Conference - 1995

New Perspectives on Deep-water Sandstones - G. Shanmugam 2012-03-14
This handbook is vital for understanding the origin of deep-water sandstones, emphasizing sandy-mass transport deposits (SMTDs) and bottom-current reworked sands (BCRSs) in petroleum reservoirs. This cutting-edge perspective, a pragmatic alternative to the conventional turbidite concepts, is crucial because the turbidite paradigm is built on a dubious foundation without empirical data on sandy turbidity currents in modern oceans. In the absence of evidence for sandy turbidity currents in natural environments, elegant theoretical models and experimental observations of turbidity currents are irrelevant substitutes for explaining the origin of sandy deposits as "turbidites." In documenting modern and ancient SMTDs (sandy slides, sandy slumps, and sandy debrites) and BCRSs (deposits of thermohaline [contour] currents, wind-driven currents, and tidal currents), the author describes and interprets core and outcrop (1:20 to 1:50 scale) from 35 case studies worldwide (which include 32 petroleum reservoirs), totaling more than 10,000 m in cumulative thickness, carried out during the past 36 years (1974-2010). The book dispels myths about the importance of sea level lowstand and provides much-needed clarity on the triggering of sediment failures by earthquakes, meteorite impacts, tsunamis, and cyclones with implications for the distribution of deep-water sandstone petroleum reservoirs. Promotes pragmatic interpretation of deep-water sands using alternative possibilities Validates the economic importance of SMTDs and BCRS in deep-water exploration and production Rich in empirical data and timely new perspectives
Fluvial Sedimentology ... - 1998

Seismic Facies and Sedimentary Processes of Submarine Fans and Turbidite Systems - Peter Weimer 2013-11-11
The Frontiers in Sedimentary Geology series was established for the student, the researcher, and the applied scientist to enhance their potential to stay abreast of the most recent ideas and developments and to become familiar with certain topics in the field of sedimentary geology. This series deals with subjects that are in the forefront of both scientific and economic interests. The treatment of a subject in an individual volume, therefore, should be a combina tion of topical, regional, and interdisciplinary approaches. The interdisciplinary aspects are becoming more and more important because most studies dealing with the natural sciences cannot effectively stand alone. Although this thrust may sound simple, in reality it is not, basi cally because each discipline has developed its own jargon and definitions ofterms. Communi cation among disciplines is a major issue and can be accomplished more constructively when people with different backgrounds join together at the same symposium and can read from the same volume rather than confining themselves within the world of their own specialty meetings and journals. Books in this series provide this connective link between disciplines. Each book in this series provides a continuous and connected flow of concepts throughout the volume by the use of introductory chapters that outline a topic to help the reader grasp its problems and to understand the contributions that follow.
Microfacies of Carbonate Rocks - Erik Flügel 2004
Accompanying CD-ROM contains ... "an alphabetical list of about 14,000 references on carbonate rocks ... and visual comparison charts for percentage estimation." -- p. vi.