
Midland Basin Geologic History

Geology and Geomorphology of Alluvial and Fluvial Fans

Paleokarst

Lower and Middle Guadalupian Facies, Stratigraphy, and Reservoir Geometries San Andres/Grayburg Formations, Guadalupe Mountains, New Mexico and Texas

Permian Stratigraphy and Paleontology of the Robledo Mountain, New Mexico

Petroleum Geology of the Permian Basin

Stratigraphy, Structure, and Paleogeography of Pennsylvanian and Permian Rocks, San Juan Basin and Adjacent Areas, Utah, Colorado, Arizona, and New Mexico

Stratigraphic Evolution of Foreland Basins

The Geology of Spain

Reservoir Characterization

Mesozoic Resource Potential in the Southern Permian Basin

Permo-Triassic Salt Provinces of Europe, North Africa and the Atlantic Margins

U.S. Geological Survey Open-file Report

Carbonate Sequence Stratigraphy

Geology of National Parks

Geologic Problem Solving with Microfossils

Anatomy of a Paleozoic Basin: Constraints on structural and tectonic interpretations of the Permian Basin based on gravity and magnetic data

Geology of the Southern Guadalupe Mountains, Texas

History of the West Texas Geological Society

The Sedimentary Basins of the United States and Canada

Anatomy of a Giant Carbonate Reservoir

Sedimentary Cover, North American Craton, U.S.

Habitat of Oil

Sequence Stratigraphy, Facies, and Reservoir Geometries of the San Andres, Grayburg, and Queen Formtions [sic], Guadalupe Mountains, New Mexico and Texas

Sequence Stratigraphy, Facies, and Reservoir Geometries of the San Andres, Grayburg, and Queen Form[a]tions, Guadalupe Mountains, New Mexico and Texas

Area Geological Characterization Report for the Palo Duro and Dalhart Basins, Texas

The Sedimentary Basins of the United States and Canada

Structure and Tectonics of the Big Bend Area and Southern Permian Basin, Texas

Sedimentary Cover—North American Craton: U.S.

Basin to Shelf Facies Transition of the Wolfcampian Stratigraphy of the Orogrande Basin

Outline of the Geologic History of Midland County

Depositional Systems

The Permian Timescale

Caprock Chronicles: More Tales of the Llano Estacado

Carbonate Petroleum Reservoirs

Tectonic Evolution of the Anadarko Basin Region, Oklahoma

Anatomy of a Paleozoic Basin

Stratigraphy of the Permian Basin of West Texas

Petroleum Source Rocks

Permian and Pennsylvanian Stratigraphy, Midland Basin, West Texas

Anatomy of a Paleozoic Basin: Anatomy of a Paleozoic basin: the Permian Basin, USA: introduction, overview, and evolution

Midland Basin Geologic History

Downloaded from worldimpex.com by guest

JAZMIN LANG

Geology and Geomorphology of Alluvial and Fluvial Fans New Mexico Museum of Natural History and Science

Over the past two decades there has been increased interest in the availability of hydrocarbon charge through a better understanding of petroleum geochemistry and the identification and characterization of petroleum source rocks. These rocks are geochemically unique and form under specific sets of circumstances. This book brings together both geologic and geochemical data from fifteen petroleum source rocks, ranging in age from Devonian to Eocene, that would otherwise be widely dispersed in the literature or available only in proprietary corporate databases. Much of this information, presented in either a tabular or graphic fashion, provides the petroleum explorationist and the geochemist with a framework to establish relationships among various geochemical indices and depositional settings.

Paleokarst Kendall Hunt

Permo-Triassic Salt Provinces of Europe, North Africa and the Atlantic Margins: Tectonics and Hydrocarbon Potential deals with the evolution and tectonic significance of the Triassic evaporite rocks in the Alpine orogenic system and the Neogene basins in the Iberian Peninsula, North Africa, and the western Mediterranean. As the nature of the Triassic evaporite sequences, the varied diapiric structures they feed, and the occurrence of hydrocarbons suggest that the Triassic evaporites represent an efficient system to trap hydrocarbons, this book explores the topic with a wide swath, also devoting content to a relatively unexplored topic, the mobilization and deformation of the Triassic salt in the western and northern Tethys (from Iberia and North Africa, Pyrenees and Alps, Adriatic and Ionian) during the subsequent Alpine orogenic processes. The book includes chapters updating varied topics, like the Permian and Triassic chronostratigraphic scales, palaeogeographic reconstructions of the western Tethys since the Late Permian, the petroleum

systems associated with Permo-Triassic salt, allochthonous salt tectonics, and a latest revision of salt tectonic processes in the Permian Zechstein Basin, the Atlantic Margins (from Barents Sea, Scotia, Portugal, Morocco, and Mauritania), the Alpine folded belts in Europe, and the various Triassic salt provinces in North Africa. The book is the go-to guide for salt tectonic researchers and those working in the hydrocarbon exploration industry. Presents the first reference book to cover salt tectonics of Permo-Triassic period rocks Features case studies of passive margins like the Barents and the North Sea, Greenland, Nova Scotia, offshore Mauritania, Morocco and Iberia, and folded belts like the Betics-Rif, Tell, Pyrenees, Atlas Mountains, Alps, Balkans, Apennines, the Adriatic and Ionian Seas, and the Zechstein Basin in Norway, the UK, the Netherlands, Germany and Poland Integrates field observations, seismic examples, well-log data and models developed in universities with highly technical and advanced subsurface studies developed by the petroleum industry *Lower and Middle Guadalupian Facies, Stratigraphy, and Reservoir Geometries San Andres/Grayburg Formations, Guadalupe Mountains, New Mexico and Texas* Geological Society of America

In recent years there have been rapid strides in our understanding of plate-tectonic processes, many developments in methods of basin analysis, and the accumulation of much new surface and subsurface geological and geophysical data. Projects such as COCORP (in the United States) and Lithoprobe (in Canada) have provided essential insights into the deep crustal structure of the continent. Synthesis of all the available information about North America's geological regions has not been attempted systematically since the "Decade of North American Geology" project undertaken by the Geological Society of America and the Geological Survey of Canada nearly twenty years ago. The book commences with a summary of the Phanerozoic geological history of the United States and Canada, illustrated with a suite of new paleogeographic maps, and tying in each of the subsequent regional chapters by the inclusion of numerous cross-references. This followed by a set of fifteen regional syntheses of the principal tectonic regions of the United

States and Canada, focusing on the stratigraphic and tectonic history of the major sedimentary basins. Most of these chapters have been contributed by specialists, drawing on their own research, and providing interpretive summaries of a type not previously attempted. * Up-to-date synthesis of the sedimentary/tectonic history of the major areas of the United States and Canada * Up-to-date references * Many new color maps

Permian Stratigraphy and Paleontology of the Robledo Mountain, New Mexico Geological Society of London

The case history approach has an impressive record of success in a variety of disciplines. Collections of case histories, casebooks, are now widely used in all sorts of specialties other than in their familiar application to law and medicine. The case method had its formal beginning at Harvard in 1871 when Christopher Lagdell developed it as a means of teaching. It was so successful in teaching law that it was soon adopted in medical education, and the collection of cases provided the raw material for research on various diseases. Subsequently, the case history approach spread to such varied fields as business, psychology, management, and economics, and there are over 100 books in print that use this approach. The idea for a series of Casebooks in Earth Sciences grew from my experience in organizing and editing a collection of examples of one variety of sedimentary deposits. The project began as an effort to bring some order to a large number of descriptions of these deposits that were so varied in presentation and terminology that even specialists found them difficult to compare and analyze. Thus, from the beginning, it was evident that something more than a simple collection of papers was needed. Accordingly, the nearly fifty contributors worked together with George de Vries Klein and me to establish a standard format for presenting the case histories.

Petroleum Geology of the Permian Basin SEPM Soc for Sed Geology

The Southern Permian Basin, as its name suggests, is a historical heartland for hydrocarbon production from the Palaeozoic Rotliegend interval. However, in this mature basin the Mesozoic presents further possibilities to offer resource security to NW

Europe. Such opportunities include increasing efficiency in the production of discovered hydrocarbons, exploration for further hydrocarbons (both conventional and unconventional) and efficient exploration for, and production of, geothermal energy. All these potential resources require a grounding in technically sound geoscience, via traditional scientific observation and the application of new technologies, to unlock their value. The main aim of this volume is to bring together the work of academics and industry workers to consider cross-border geoscience including contributions on Poland, Germany, The Netherlands, the United Kingdom and adjacent areas. The work presented intends to contribute to the development and discovery of further Mesozoic energy resources across the basin.

Stratigraphy, Structure, and Paleogeography of Pennsylvanian and Permian Rocks, San Juan Basin and Adjacent Areas, Utah, Colorado, Arizona, and New Mexico Elsevier

Highlights the local history as well as the geologic features and developments of national parks formed by stream erosion and weathering, glaciers and wave action, igneous activity, mountain building and uplift, and ground water.

Stratigraphic Evolution of Foreland Basins Geological Society of Amer

A multidisciplinary approach to research studies of sedimentary rocks and their constituents and the evolution of sedimentary basins, both ancient and modern.

The Geology of Spain Arcadia Publishing

"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." --

Reservoir Characterization AAPG

The Sedimentary Basins of the United States and Canada, Second Edition, focuses on the large, regional, sedimentary accumulations in Canada and the United States. Each chapter provides a succinct summary of the tectonic setting and structural and paleogeographic evolution of the basin it covers, with details on structure and stratigraphy. The book features four new chapters that cover the sedimentary basins of Alaska and the Canadian Arctic. In addition to sedimentary geologists, this updated reference is relevant for basin analysis, regional geology, stratigraphy, and for those working in the hydrocarbon exploration industry. Features updates to existing chapters, along with new chapters on sedimentary basins in Alaska and Arctic Canada Includes nearly 300 detailed, full-color paleogeographic maps Written for general geological audiences and individuals working in the resources sector, particularly those in the fossil fuel industry

Mesozoic Resource Potential in the Southern Permian Basin Elsevier

Hardcover plus DVD

Permo-Triassic Salt Provinces of Europe, North Africa and the Atlantic Margins Springer Science & Business Media

This two-volume set contains 26 papers covering a breadth of Permian Basin topics, including 4 papers on the basin's structural geology, tectonics, and Precambrian geology; 4 papers on its paleontology and biostratigraphy; 16 on its sedimentology and stratigraphy; 1 on its reservoir systems; and 1 that provides a history and synthesis of the major depositional and deformational events that formed the basin. The goal of this set of papers is to capture, in a single publication, the wealth of information and knowledge about Permian Basin geology that has been generated over the 60 years that have passed since John Galley's early comprehensive paper on the basin in 1958.

U.S. Geological Survey Open-file Report Geological Society of London

Alluvial and fluvial fans are the most widespread depositional landform bordering the margins of highland regions and actively subsiding continental basins, across a broad spectrum of tectonic and climatic settings. They are significant to the local morphodynamics of mountain regions and also to the evolution of sediment-routing systems, affecting the propagation and

preservation of stratigraphic signals of environmental change over vast areas. The volume presents case studies discussing the geology and geomorphology of alluvial and fluvial fans from both active systems and ancient ones preserved in the stratigraphic record. It brings together case studies from a range of continents, climatic and tectonic settings, some introducing innovative monitoring and analysis techniques, and it provides an overview of current debates in the field. This volume will be of particular interest to geologists, geomorphologists, sedimentologists and the general reader with an interest in Earth science.

Carbonate Sequence Stratigraphy Geological Society of London

This volume brings together state-of-the-art reviews of the non-biostratigraphic and biostratigraphic data that are used to define and correlate Permian time intervals. It includes analyses of Permian radio-isotopic ages, magnetostratigraphy, isotope-based stratigraphy and timescale-relevant biostratigraphy. It is the first book devoted to this subject and represents the cutting edge of Permian time-scale research.

Geology of National Parks Sepm Society for Sedimentary

Landscapes of the past have always held an inherent fascination for geologists because, like terrestrial sediments, they formed in our environment, not offshore on the sea floor and not deep in the subsurface. So, a walk across an ancient karst surface is truly a step back in time on a surface formed open to the air, long before humans populated the globe. Ancient karst, with its associated subterranean features, is also of great scientific interest because it not only records past exposure of parts of the earth's crust, but preserves information about ancient climate and the movement of waters in paleoaquifers. Because some paleokarst terranes are locally hosts for hydrocarbons and base metals in amounts large enough to be economic, buried and exhumed paleokarst is also of inordinate practical importance. This volume had its origins in a symposium entitled "Paleokarst Systems and Unconformities-Characteristics and Significance," which was organized and convened by us at the 1985 midyear meeting of the Society of Economic Paleontologists and Mineralogists on the campus of the Colorado School of Mines in Golden, Colorado. The symposium had its roots in our studies over the last decade, both separately and jointly, of a number of major and minor unconformities and of the diverse, and often spectacular paleokarst features associated with these unconformities.

Geologic Problem Solving with Microfossils Geological Society of London

"The hardpan layer of the Caprock undergirds the high plains of the Llano Estacado, where it has resisted erosion with the same tenacity that it has collected stories. From Apache hunting grounds to Mennonite settlements, the region is no stranger to the searching gaze of the weary traveler... In this exceptional collection of forty-eight essays from local contributors, David Murrah and John T. "Jack" Becker continue the work of cataloguing the memory of the mesa."--Back cover.

Anatomy of a Paleozoic Basin: Constraints on structural and tectonic interpretations of the Permian Basin based on gravity and magnetic data Elsevier

This two-volume set contains 26 papers covering a breadth of Permian Basin topics, including 4 papers on the basin's structural geology, tectonics, and Precambrian geology; 4 papers on its paleontology and biostratigraphy; 16 on its sedimentology and stratigraphy; 1 on its reservoir systems; and 1 that provides a

history and synthesis of the major depositional and deformational events that formed the basin. The goal of this set of papers is to capture, in a single publication, the wealth of information and knowledge about Permian Basin geology that has been generated over the 60 years that have passed since John Galley's early comprehensive paper on the basin in 1958.

Geology of the Southern Guadalupe Mountains, Texas AAPG Reservoir Characterization is a collection of papers presented at the Reservoir Characterization Technical Conference, held at the Westin Hotel-Galleria in Dallas on April 29-May 1, 1985.

Conference held April 29-May 1, 1985, at the Westin Hotel—Galleria in Dallas. The conference was sponsored by the National Institute for Petroleum and Energy Research, Bartlesville, Oklahoma. Reservoir characterization is a process for quantitatively assigning reservoir properties, recognizing geologic information and uncertainties in spatial variability. This book contains 19 chapters, and begins with the geological characterization of sandstone reservoir, followed by the geological prediction of shale distribution within the Prudhoe Bay

field. The subsequent chapters are devoted to determination of reservoir properties, such as porosity, mineral occurrence, and permeability variation estimation. The discussion then shifts to the utility of a Bayesian-type formalism to delineate qualitative "soft" information and expert interpretation of reservoir description data. This topic is followed by papers concerning reservoir simulation, parameter assignment, and method of calculation of wetting phase relative permeability. This text also deals with the role of discontinuous vertical flow barriers in reservoir engineering. The last chapters focus on the effect of reservoir heterogeneity on oil reservoir. Petroleum engineers, scientists, and researchers will find this book of great value.

History of the West Texas Geological Society Elsevier
Hardcover plus Foldouts

The Sedimentary Basins of the United States and Canada Springer
Science & Business Media

Anatomy of a Giant Carbonate Reservoir Springer
Science & Business Media