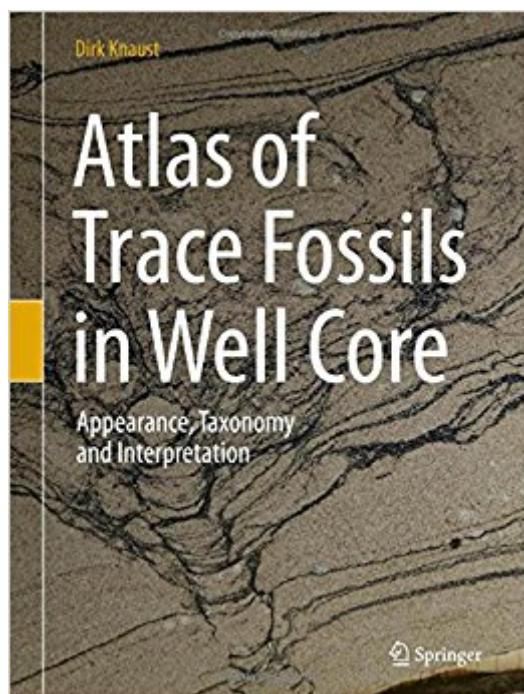


The book was found

Atlas Of Trace Fossils In Well Core: Appearance, Taxonomy And Interpretation



Synopsis

This book provides readers with a well-balanced blend of high-quality photographs, figures and accompanying texts on the identification of trace fossils, both in core and in outcrop. Ichnological data has become increasingly important in sedimentological and paleoenvironmental interpretations, not only in the exploration and exploitation of hydrocarbons but also in the characterization of aquifers and in scientific drilling. Following an introduction to the study of trace fossils in core and an outline of ichnological basics, principles and concepts, the book provides detailed descriptions and interpretations of 39 trace fossils (ichnogenera) and associated features (such as bioturbate texture, plant roots and their traces, borings and pseudo-trace fossils) commonly encountered in well cores and in outcrop. The trace fossils are highlighted by their expression in well cores and illustrated with carefully prepared, eye-catching core photographs. This unique information is complemented by examples of trace fossils in outcrop, as well as relevant key figures from the literature. Each description is presented in a consistent manner, stating the ichnogenus name and author in the title, followed by sections on the morphology and size, ichnotaxonomy, substrate, appearance in core, similar trace fossils, producers, ethology, depositional environment, ichnofacies, age, and reservoir quality. An extensive list of references per chapter for further reading rounds out the book, which is based on the author's continuous work with trace fossils in core over the past two decades.

Book Information

Hardcover: 209 pages

Publisher: Springer; 1st ed. 2017 edition (April 13, 2017)

Language: English

ISBN-10: 3319498363

ISBN-13: 978-3319498362

Product Dimensions: 8.6 x 0.8 x 11.4 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,683,432 in Books (See Top 100 in Books) #100 in Books > Science & Math > Earth Sciences > Geology > Sedimentary #1098 in Books > Science & Math > Biological Sciences > Paleontology #5080 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction

Customer Reviews

This book provides readers with a well-balanced blend of high-quality photographs, figures and accompanying texts on the identification of trace fossils, both in core and in outcrop. Ichnological data has become increasingly important in sedimentological and paleoenvironmental interpretations, not only in the exploration and exploitation of hydrocarbons but also in the characterization of aquifers and in scientific drilling. Following an introduction to the study of trace fossils in core and an outline of ichnological basics, principles and concepts, the book provides detailed descriptions and interpretations of 39 trace fossils (ichnogenera) and associated features (such as bioturbate texture, plant roots and their traces, borings and pseudo-trace fossils) commonly encountered in well cores and in outcrop. The trace fossils are highlighted by their expression in well cores and illustrated with carefully prepared, eye-catching core photographs. This unique information is complemented by examples of trace fossils in outcrop, as well as relevant key figures from the literature. Each description is presented in a consistent manner, stating the ichnogenus name and author in the title, followed by sections on the morphology and size, ichnotaxonomy, substrate, appearance in core, similar trace fossils, producers, ethology, depositional environment, ichnofacies, age, and reservoir quality. An extensive list of references per chapter for further reading rounds out the book, which is based on the author's continuous work with trace fossils in core over the past two decades.

Dirk Knaust is a specialist in Sedimentology in Statoil's Research Department (Exploration) in Stavanger, Norway. After working as a Geologist in an underground mine and graduating in Germany with a PhD in Geology (Carbonate Sedimentology, Stratigraphy and Paleontology in the Triassic), in 1997 he followed an offer from the Norwegian oil and gas industry working in Exploration and Field Development. Since then he has been frequently exposed to a vast amount of well core for investigation. The author has studied various aspects of trace fossils and ichnology, which is documented in about 60 publications in scientific journals and edited volumes. He is Co-Editor of the book *Trace Fossils as Indicators of Sedimentary Environments* (Elsevier) and Associate Editor of the journal *Ichnos*, amongst others. Dirk is Leading Author of a revised version of the Trace Fossils volume to be published in the Treatise of Invertebrate Paleontology.

[Download to continue reading...](#)

Atlas of Trace Fossils in Well Core: Appearance, Taxonomy and Interpretation The Palaeontological Association Field Guide to Fossils, Plant Fossils of the British Coal Measures (Palaeontology FG Fossils) A Is for Apple (Trace-and-Flip Fun!) (Smart Kids Trace-and-Flip) Still Lifes: Trace line art onto paper or canvas, and color or paint your own masterpieces (Trace & Color) Trace Elements in

Coal and Coal Combustion Residues (Advances in Trace Substances Research) Coastal Landscapes: Trace line art onto paper or canvas, and color or paint your own masterpieces (Trace & Color) Traveling the Trace: A Complete Tour Guide to the Historic Natchez Trace from Nashville to Natchez The World Encyclopedia of Fossils & Fossil-Collecting:: An Illustrated Reference Guide To Over 375 Plant And Animal Fossils From Around The Globe And ... Them, With Over 950 Photographs And Artworks The Complete Illustrated Guide To Minerals, Rocks & Fossils Of The World: A comprehensive reference to 700 minerals, rocks, plants and animal fossils ... more than 2000 photographs and illustrations Formac Pocketguide to Fossils: Fossils, Rocks & Minerals in Nova Scotia, New Brunswick and Prince Edward Island EKG: EKG Interpretation Made Easy: A Complete Step-By-Step Guide to 12-Lead EKG/ECG Interpretation & Arrhythmias (EKG Book, EKG Interpretation, NCLEX, NCLEX RN, NCLEX Review) Mastering The OTDR: Trace Acquisition And Interpretation How To Dig A Well: Pictured Guide On How To Drill A Well And Provide Your Homestead With Fresh Water: (How To Drill A Well) The Conodonta: Morphology, Taxonomy, Paleoecology, and Evolutionary History of a Long-Extinct Animal Phylum (Oxford Monographs on Geology and Geophysics) Marks of Excellence: The Development and Taxonomy of Trademarks Revised and Expanded edition Toward Precision Medicine: Building a Knowledge Network for Biomedical Research and a New Taxonomy of Disease The Dim Sum Field Guide: A Taxonomy of Dumplings, Buns, Meats, Sweets, and Other Specialties of the Chinese Teahouse Microbiology with Diseases by Taxonomy (4th Edition) Microbiology with Diseases by Taxonomy Plus MasteringMicrobiology with Pearson eText -- Access Card Package (5th Edition) Microbiology with Diseases by Taxonomy (5th Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)