

Seismic Recorder Sercel

Capitalizing on knowledge learned over decades and combining underlying theory with practical bases, this book presents a systematic analysis of the issues involved in high-resolution seismic exploration. Translated from the original Chinese edition published in 1993 by Petroleum Industry Press and now updated to reflect contemporary developments, the book is adept at clarifying the objectives and approaches toward better precision in seismic prospecting. It provides innovative views on fundamental concepts including: perspective resolution and perspective S/N; the empirical relationship between compressional velocity (V_p) and absorption coefficient (Q); constructing basin absorption models; understanding sand layer tracking; improving dynamic and static corrections of near-surface effects as well as deconvolution; achieving maximum effective bandwidth of seismic data; and regressive seismic impedance inversion. It is an excellent reference for those involved in seismic prospecting research, data processing, and geologic interpretation, and it is recommended for workers as well as professors and graduate students.

This book contains the most complete description of the geologic and geophysical data of the structure of Arctic Basin including structures of the earth's crust, crustal and acoustic basement, and sedimentary cover. The book includes information about extracted and studied cores and samples; observed, processed and interpreted data on geophysical anomalies and different conceptions, and a hypotheses of the origin of the modern Arctic Basin structures. Progress in solving the problems of the Arctic Basin geology is presented in the chapters and include contributions from leading field experts.

Leading East European petroleum explorationists from Albania, Bulgaria, the Czech Republic, Slovakia, former East Germany, Hungary, Poland and Romania present a systematic view of petroleum geology, exploration history, production, reserves and potential in their countries which, until recently, have been closed to Western observers. Practitioners and scientists working in the field of hydrocarbon exploration will find valuable information for an interesting target area.

The book gives an overview of the tectonic, geological, potential fields, etc maps of the Arctic that were compiled during geological and geophysical studies conducted in the Arctic over the past 15 years under the International project Atlas of Geological Maps of the Circumpolar Arctic at a scale of 5M and presents the results of geological, geophysical, paleogeographic and tectonic studies carried out in the Arctic Ocean and the Eastern Arctic during the implementation of national mapping and scientific programmes and studies intended to provide scientific substantiation for the extension of the continental shelf (ECS). Given its scope, the book will appeal to a wide range of geologists. .

Here is unique and comprehensive coverage of modern seismic instrumentation, based on the authors' practical experience of a quarter-century in seismology and geophysics. Their goal is to provide not only detailed information on the basics of seismic instruments but also to survey equipment on the market, blending this with only the amount of theory needed to understand the basic principles. Seismologists and technicians working with seismological instruments will find here the answers to their practical problems. Instrumentation in Earthquake Seismology is written to be understandable to the broad range of professionals working with seismological instruments and seismic data, whether students, engineers or seismologists. Whether installing seismic stations,

networks and arrays, working and calibrating stationary or portable instruments, dealing with response information, or teaching about seismic instruments, professionals and academics now have a practical and authoritative sourcebook. Includes: SEISAN and SEISLOG software systems that are available from <http://extras.springer.com> and

<http://www.geo.uib.no/seismo/software/software.html>

Vols. 11 and 13 includes the Proceedings of the 2nd, 3rd, International Symposium on Geophysical Theory and Computers, Rehovoth, Israel, etc., 1965-66.

High Resolution Site Surveys brings together the full range of site surveying techniques for the first time, to provide a unified approach to marine and land-based resolution surveying. Detailed descriptions are given of digital seismic survey methods, hydrographic 'analogue' search and survey tools, non-seismic survey techniques, and positioning sy

Seismic While Drilling Fundamentals of Drill-Bit Seismic for Exploration Elsevier

This book gathers selected papers from the 8th International Field Exploration and Development Conference (IFEDC 2019) and addresses a broad range of topics, including: Low Permeability Reservoir, Unconventional Tight & Shale Oil Reservoir, Unconventional Heavy Oil and Coal Bed Gas, Digital and Intelligent Oilfield, Reservoir Dynamic Analysis, Oil and Gas Reservoir Surveillance and Management, Oil and Gas Reservoir Evaluation and Modeling, Drilling and Production Operation, Enhancement of Recovery, Oil and Gas Reservoir Exploration. The conference not only provided a platform to exchange experiences, but also promoted the advancement of scientific research in oil & gas exploration and production. The book is chiefly intended for industry experts, professors, researchers, senior engineers, and enterprise managers. The purpose of this book is to give a theoretical and practical introduction to seismic-while-drilling by using the drill-bit noise. This recent technology offers important products for geophysical control of drilling. It involves aspects typical of borehole seismics and of the drilling control surveying, hitherto the sole domain of mudlogging. For aspects related to the drill-bit source performance and borehole acoustics, the book attempts to provide a connection between experts working in geophysics and in drilling. There are different ways of thinking related to basic knowledge, operational procedures and precision in the observation of the physical quantities. The goal of the book is to help "build a bridge" between geophysicists involved in seismic while drilling - who may need to familiarize themselves with methods and procedures of drilling and drilling-rock mechanics - and drillers involved in geosteering and drilling of "smart wells" - who may have to familiarize themselves with seismic signals, wave resolution and radiation. For instance, an argument of common interest for drilling and seismic while drilling studies is the monitoring of the drill-string and bit vibrations. This volume contains a large number of real examples of SWD data analysis and applications.

[Copyright: 35f814949f3bfdb89ea5b2fd3cce0dfc](https://www.elsevier.com/locate/S0019-1568(19)30001-1)