V.I. Djunin · A.V. Korzun







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Hydrogeodynamics Of Oil And Gas Basins

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Hydrogeodynamics of Oil and Gas Basins V.I. Djunin, A. V. Korzun, 2010-07-15 This book with a special chapter on the problem of oil origin and the formation of hydrocarbon fields is an in depth study of this complex area of research It analyzes local and regional regularities in the formation of deep fluids in petroliferous basins Hypogene Karst Regions and Caves of the World Alexander Klimchouk, Arthur N. Palmer, Jo De Waele, Augusto S. Auler, Philippe Audra, 2017-08-17 This book illustrates the diversity of hypogene speleogenetic processes and void conduit patterns depending on variations of the geological environments by presenting regional and cave specific case studies. The cases include both well known and newly recognized hypogene karst regions and caves of the world They all focus on geological hydrogeological geodynamical and evolutionary contexts of hypogene speleogenesis The last decade has witnessed the boost in recognition of the possibility global occurrence and practical importance of hypogene karstification speleogenesis i e the development of solutional porosity and permeability by upwelling flow independent of recharge from the overlying or immediately adjacent surface Hypogene karst has been identified and documented in many regions where it was previously overlooked or misinterpreted The book enriches the basis for generalization and categorization of hypogene karst and thus improves our ability to adequately model hypogene karstification and predict related porosity and permeability It is a book which benefits every researcher student and practitioner dealing with karst *Hydrogeodynamics* I.K. Gavich, 2020-10-08 This text focuses particularly on the growing interest in hydrodynamic principles of the study of underground waters new methods of eco based hydrogeodynamic analysis and the estimation of the quantity of infiltration water transfer The author also discusses aspects of mass transfer by subsurface water flow in the light of molecular kinetics and examines a new apporach to investigating the slow movements of groundwater at the deep zones of the hydrolithosphere **Fluid Dynamics of Oil and** Gas Reservoirs M. Z. Rachinsky, V. Y. Kerimov, 2015-02-02 Whether as a textbook for the petroleum engineering student or a reference for the veteran engineer working in the field this new volume is a valuable asset in the engineer s library for new tested methods of more efficient oil and gas exploration and production and better estimating methods In this book the authors combine a rigorous yet easy to understand approach to petrophysics and how it is applied to petroleum and environmental engineering to solve multiple problems that the engineer or geologist faces every day Useful in the prediction of everything from crude oil composition pore size distribution in reservoir rocks groundwater contamination and other types of forecasting this approach provides engineers and students alike with a convenient guide to many real world applications Fluid dynamics is an extremely important part of the extraction process and petroleum geologists and engineers must have a working knowledge of fluid dynamics of oil and gas reservoirs in order to find them and devise the best plan for extraction before drilling can begin This book offers the engineer and geologist a fundamental guide for accomplishing these goals providing much needed calculations and formulas on fluid flow rock properties and many other topics that are encountered

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