1. Record Nr. UNINA9910253984603321

Autore	Max Michael D
Titolo	Exploration and Production of Oceanic Natural Gas Hydrate : Critical Factors for Commercialization / / by Michael D. Max, Arthur H. Johnson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-43385-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXVI, 405 p. 53 illus., 35 illus. in color.)
Disciplina	621.042
Soggetti	Energy Climate change Management Industrial management Robotics Automation Mineral resources Energy, general Climate Change Management and Policy Innovation/Technology Management Robotics and Automation Mineral Resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Energy Overview: Prospects for Natural Gas -- 2. Economic Characteristics of Deepwater Natural Gas Hydrate -- 3. Exploration for Deepwater Natural Gas Hydrate -- 4. Potential High-Quality Reservoir Sediments in the Gas Hydrate Stability Zone -- 5. Valuation of NGH Deposits -- 6. Deepwater Natural Gas Hydrate Innovation Opportunities -- 7. Leveraging Technology for NGH Development and Production -- 8. New Technology for NGH Development and Production -- 9. Offshore Operations and Logistics -- 10. Energy Resource Risk Factors -- 11. Commercial Potential of Natural Gas Hydrate -- Index.
Sommario/riassunto	This book describes aspects of the natural gas hydrate (NGH) system

that offer opportunities for the innovative application of existing technology and development of new technology that could dramatically lower the cost of NGH exploration and production. It is written for energy industry professsionals and those concerned with energy choices and efficiencies at a university graduate level. The NGH resource is compared with physical, environmental, and commercial aspects of other gas resources. The authors' theme is that natural gas can provide for base and peak load energy demands during the transition to and possibly within a renewable energy future. This is possibly the most useful book discussing fossil fuels that will be a reference for environmentalists and energy policy institutions, and for the environmental and energy community.