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Titolo	Emerging technologies in hydraulic fracturing and gas flow modelling / / edited by Kenneth Imo-Imo Israel Eshiet, Rouzbeh G. Moghanloo
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Nota di contenuto	1. Production from Unconventional Petroleum Reservoirs: Precis of Stimulation Techniques and Fluid Systems 2. A Review of Fracturing Technologies Utilized in Shale Gas Resources 3. Hydraulic Fracturing in Porous and Fractured Rocks 4. Hydraulic Fracture Conductivity in Shale Reservoirs 5. Review of Geochemical and Geo-Mechanical Impact of Clay-Fluid Interactions Relevant to Hydraulic Fracturing 6. Mechanism, Model, and Upscaling of the Gas Flow in Shale Matrix: Revisit.
Sommario/riassunto	Emerging Technologies in Hydraulic Fracturing and Gas Flow Modelling features the latest strategies for exploiting depleted and unconventional petroleum rock formations as well as simulating associated gas flow mechanisms. The book covers a broad range of multivarious stimulation methods currently applied in practice. It introduces new stimulation techniques including a comprehensive description of interactions between formation/hydraulic fracturing fluids and the host rock material. It provides further insight into practices aimed at advancing the operation of hydrocarbon reservoirs and can be used either as a standalone resource or in combination with other related literature. The book can serve as a propaedeutic resource and is appropriate for those seeking rudimentary information on the exploitation of ultra-impermeable oil and gas reservoirs. Professionals and researchers in the field of petroleum, civil, oil and gas, geotechnical and geological engineering who are interested in the

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•	onal petroleum resources as well as students nilar subject areas will find this to be an
instructional reference.	