1. Record Nr. UNINA9910633962903321

Titolo	Emerging Technologies in Hydraulic Fracturing and Gas Flow Modelling / / edited by Kenneth Imo-Imo Israel Eshiet, Rouzbeh G. Moghanloo
Pubbl/distr/stampa	London : , : IntechOpen, , 2022
ISBN	1-83968-467-4
Descrizione fisica	1 online resource (172 pages)
Disciplina	533.2
Soggetti	Gas flow - Mathematical models Hydraulic fracturing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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

	production of unconventional petroleum resources as well as students undertaking studies in similar subject areas will find this to be an instructional reference.

2.

Record Nr.	UNICAMPANIAVAN0269188
Autore	Catlin, Donald E.
Titolo	Estimation, Control, and the Discrete Kalman Filter / Donald E. Catlin
Pubbl/distr/stampa	New York, : Springer-Verlag, 1989
Descrizione fisica	xiv, 276 p. ; 24 cm
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia