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Autore	Newton David E
Titolo	Fracking : a reference handbook // David E. Newton
Pubbl/distr/stampa	Santa Barbara, Calif. : , : ABC-CLIO, , 2015 New York : , : Bloomsbury Publishing (US), , 2023
ISBN	979-84-00-65342-1 979-82-16-08660-4 1-78684-543-1 1-61069-692-1
Descrizione fisica	1 online resource (xviii, 340 pages) : illustrations
Collana	Contemporary world issues
Disciplina	622/.2
Soggetti	Gas well drilling - Environmental aspects Hydraulic fracturing - Environmental aspects Hydraulic fracturing - Government policy - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Background and history -- The genesis of fossil fuels -- Oil and gas resources -- Terminology -- Exploring for oil and gas -- Drilling technology -- Petroleum chemistry -- A brief history of petroleum exploration -- The petroleum century -- The natural gas century -- Hydraulic fracturing -- The history of hydraulic fracturing -- Horizontal drilling -- Conclusion -- References -- 2. Problems, controversies, and solutions -- Peak oil and gas : still a looming threat or only a distant fantasy? -- The global state of affairs -- Energy independence for the United States -- Benefirs of fracking -- Direct economic benefits -- Indirect economic benefits -- Environmental benefits -- Opposition to fracking -- Problems associated with hydraulic fracturing -- Water use -- Water contamination -- Air pollution -- Earthquakes -- Aesthetic and related disturbances -- Laws and regulations -- Conclusion -- References -- 3. Perspectives -- Introduction -- Separating fact from hype / Trudy E. Bell -- Why fracking is beneficial / Bruce Everett -- The urgent need for global definition of terms in the reporting on fracking and seismic activity : Gina Hagler, 140 -- Fracking and the future of fresh water / Michael Pastorkovich -- Fracking by the numbers / John

Rumpler -- Exploring alternative uses for fracking water / Lana Straub -- Fracking like it's your job : why worker safety in the fracking industry is so important / Laura Walter -- Feeding the fracking workforce : how worker nutrition supports health, safety and productivity / Christopher Wanjek -- Food as protection -- What workers need, and what workers get -- Return on investment -- References -- 4. Profiles -- Introduction -- American Gas Association -- American Petroleum Institute -- America's Natural Gas Alliance -- Chesapeake Climate Action Network -- Consumer Energy Alliance -- H. John Eastman (1905-1985) -- Terry Engelder -- Environment America -- Food & Water Watch -- Ground Water Protection Council -- Erle P. Halliburton (1892-1957) -- William Hart (1797-1865) -- Independent Petroleum Association of America -- Anthony R. Ingraffea (1947-) -- International Energy Agency -- Interstate Natural Gas Association of America -- Interstate Oil and Gas Compact Commission -- E. W. Marland (1874-1941) -- Aubrey McClendon (1959-) -- George Mitchell (1919-2013) -- The National Association of Royalty Owners -- No Fracked Gas in Mass -- Edward A. L. Roberts (1829-1881) -- The Endocrine Disruption Exchange -- Tom L. Ward (1959-) -- Waterkeeper Alliance -- 5. Data and Documents -- Introduction -- Data -- Documents -- 6. Resources for further research -- Introduction -- Books -- Articles -- Reports -- Internet -- 7. Chronology.

Sommario/riassunto

This book provides a background of the history and development of the oil and gas industry from the earliest days of human civilization to the present moment, with special attention on the history and development of hydraulic fracturing and directional drilling.
