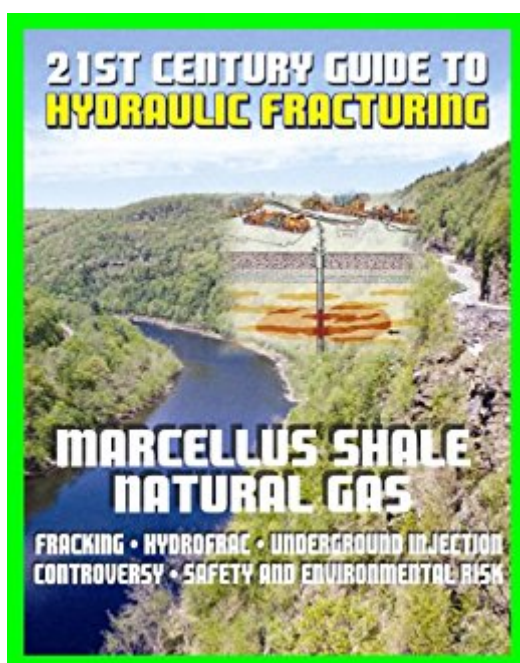


The book was found

21st Century Guide To Hydraulic Fracturing, Underground Injection, Fracking, Hydrofrac, Marcellus Shale Natural Gas Production Controversy, Environmental And Safety Risks, Water Pollution



Synopsis

Authoritative compendium of official documents about the process of hydraulic fracturing, also known as hydrofrac or fracking, to extract natural gas, along with gas exploration and production in the Marcellus shale field of New York, Pennsylvania, West Virginia, and Ohio. There is comprehensive coverage of all aspects of the issue, including the ongoing controversy about the environmental and safety risks arising from possible water pollution and drinking water contamination. Contents include material from the EPA, USGS, Department of Energy, U.S. Congress, and others. There is a complete reproduction of EPA public meeting comments from events in Texas, Colorado, Pennsylvania, and New York, offering valuable insight into the controversy. Technical documents and regulations provide unique details and understanding. While limited production has occurred in the Marcellus Shale to date, drillers in the Barnett Shale of Texas have demonstrated that new technology in the form of horizontal drilling and hydraulic fracturing of the shale (fracturing through the use of high pressure liquids) has helped overcome the flow capacity problem of gas shales. Horizontal drilling is a technique used to expose long sections of the reservoir rock to the wellbore. While a conventional vertical well penetrates and exposes only the thickness of a pay zone (e.g., 50 to 300 feet in the Marcellus shale), horizontal drilling can expose over a mile of reservoir rock for production by steering a drill bit to follow the pay zone. Hydraulic fracture stimulation creates additional flow paths to the well. In this process, fluid is pumped into the formation at high enough pressures and rates to split the rock. Sized particles such as sand are also mixed with the fracturing fluid to hold the crack open once pumping stops. In addition, wells can be oriented to intersect natural fractures that occur in many formations. As the oil and gas industry applies this technology to more wells in more parts of the country, it is important to ensure that the process is safe and environmentally sound. Environmental organizations, public health groups, and local communities have expressed concerns about the potential impact of the injection of hydraulic fracturing fluids in wells located in or near underground sources of drinking water. Others have raised concerns about the quantity of water needed to hydraulically fracture oil and gas wells and the disposal of contaminated wastewater from fracturing operations. This is a privately authored news service and educational publication of Progressive Management. Our publications synthesize official government information with original material - they are not produced by the federal government. They are designed to provide a convenient user-friendly reference work to uniformly present authoritative knowledge that can be rapidly read, reviewed or searched. Vast archives of important data that might otherwise remain inaccessible are available for instant review no matter where you are. This e-book format makes a great reference work and educational tool.

There is no other reference book that is as convenient, comprehensive, thoroughly researched, and portable - everything you need to know, from renowned experts you trust. For over a quarter of a century, our news, educational, technical, scientific, and medical publications have made unique and valuable references accessible to all people. Our e-books put knowledge at your fingertips, and an expert in your pocket!

Book Information

File Size: 1102 KB

Print Length: 10249 pages

Simultaneous Device Usage: Unlimited

Publisher: Progressive Management (November 16, 2010)

Publication Date: November 16, 2010

Sold by:Â Digital Services LLC

Language: English

ASIN: B004CRSSRE

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #1,976,444 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #65

inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction >

Alternative & Renewable > Hydroelectric #91 inÂ Kindle Store > Kindle eBooks > Engineering &

Transportation > Engineering > Civil > Environmental > Hydrology #124 inÂ Books > Engineering

& Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Natural Gas

Customer Reviews

NOT FROM THE US GOVERNMENT - misrepresentation! If you are looking for unbiased information on the fracking process THIS IS NOT IT! The material is from a completely slanted company claiming to have everyone's best interests at heart but their only agenda is that natural gas drilling does not occur anywhere near them. Skip it!

[Download to continue reading...](#)

21st Century Guide to Hydraulic Fracturing, Underground Injection, Fracking, Hydrofrac, Marcellus Shale Natural Gas Production Controversy, Environmental and Safety Risks, Water Pollution 2013

Complete Guide to Hydraulic Fracturing (Fracking) for Shale Oil and Natural Gas: Encyclopedic Coverage of Production Issues, Protection of Drinking Water, Underground Injection Control (UIC) Manual de instalaciones hidraulicas, sanitarias, gas, aire comprimido y vapor/ Manual of Hydraulic, Sanitary, Gas, Compressed Air and Steam Installation (Spanish Edition) Mechanics of Hydraulic Fracturing, Second Edition A Field Philosopher's Guide to Fracking: How One Texas Town Stood Up to Big Oil and Gas Fruit Infused Water: 80 Vitamin Water Recipes for Weight Loss, Health and Detox Cleanse (Vitamin Water, Fruit Infused Water, Natural Herbal Remedies, Detox Diet, Liver Cleanse) Natural Gas: Fuel for the 21st Century Roget's 21st Century Thesaurus, Third Edition (21st Century Reference) The Lodge Officer's Handbook: For the 21st Century Masonic Officer (Tools for the 21st Century Mason) (Volume 2) Modern Radio Production: Production Programming & Performance (Wadsworth Series in Broadcast and Production) Basic Environmental Technology: Water Supply, Waste Management and Pollution Control Basic Environmental Technology: Water Supply, Waste Management & Pollution Control (5th Edition) Water Quality & Treatment: A Handbook on Drinking Water (Water Resources and Environmental Engineering Series) Tokyo Underground 2: Toy and Design Culture in Tokyo (Tokyo Underground: Toy & Design Culture in Tokyo) UNDERGROUND BASES: Subterranean Military Facilities and the Cities Beneath Our Feet (The Underground Knowledge Series Book 7) Alcohol Can Be a Gas!: Fueling an Ethanol Revolution for the 21st Century Notes from the Underground: A Classic 1864 Russian Novella (Notes from the Underground - Fyodor Dostoyevsky) Underground Clinical Vignettes Step 1: Microbiology II: Bacteriology (Underground Clinical Vignettes Series) Vaccine Safety Manual for Concerned Families and Health Practitioners, 2nd Edition: Guide to Immunization Risks and Protection IEC 61511-3 Ed. 1.0 b:2004, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels

[Dmca](#)