

Fracking At Issue Hardcover

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Fracking Pennsylvania - Walter Brasch 2014-02
--70% more content than first edition --updated to 2014 --30 photos and graphics
In his most powerful investigation to date, award-winning journalist Walter M. Brasch digs into the natural gas industry and extracts the truth about fracking. This is the long-awaited second edition to the critically-acclaimed first edition that explored all aspects of the controversies surrounding fracking. Hydraulic horizontal fracturing, better known as fracking, is the process of injecting as much as seven million gallons of water, proppants (like silica sand), and toxins into the earth to fracture the shale and extract methane. Politicians want natural gas drillers to come into their states, primarily because of the numbers of well-paying jobs the industry creates, the overall economic benefits, and the lower costs of natural gas to the consumer. Dr. Brasch investigates those claims, and provides an extensive look at the money trail between the industry and the politicians' campaign receipts. Combining both scientific evidence and extensive interviews with those affected by fracking throughout the country, he concludes that errors made by the natural gas industry as well as the process itself have caused significant public health and the environmental problems that also affect agriculture, wildlife, and livestock.

Hydraulic Fracturing - Michael Berry Smith
2015-12-16

Hydraulic Fracturing effectively busts the myths associated with hydraulic fracturing. It explains how to properly engineer and optimize a hydraulically fractured well by selecting the right materials, evaluating the economic benefits of the project, and ensuring the safety and

success of the people, environment, and equipment. From data estimation
Under the Surface - Tom Wilber 2012-05-15
In *Under the Surface*, Tom Wilber weaves a narrative tracing the consequences of shale gas development in northeast Pennsylvania and central New York through the perspective of various stakeholders. Wilber's evenhanded treatment explains how the revolutionary process of fracking has changed both access to our domestic energy reserves and the lives of people living over them. He gives a voice to all constituencies, including farmers and landowners tempted by the prospects of wealth but wary of the consequences; policymakers struggling with divisive issues concerning free enterprise, ecology, and public health; and activists coordinating campaigns based on their respective visions of economic salvation and environmental ruin. For the paperback edition, Wilber has written a new chapter and epilogue covering developments since the book's initial publication in 2012. Chief among these are the home rule movement and accompanying social and legal events leading up to an unprecedented ban of fracking in New York state, and the outcome of the federal EPA's investigation of water pollution just across the state border in Dimock, Pennsylvania. The industry, with powerful political allies, effectively challenged the federal government's attempts to intervene in drilling communities in Pennsylvania, Wyoming, and Texas with water problems. But it met its match in a grassroots movement—known as "fractivism"—that sprouted from seeds sown in upstate New York community halls and grew into one of the state's most influential environmental movements since Love Canal.

Throughout the book, Wilber illustrates otherwise dense policy and legal issues in human terms and shows how ordinary people can affect extraordinary events.

Groundswell - Ezra Levant 2015-09-29

From a bestselling author comes a provocative exploration of the next big thing in energy--fracking--and its profound impact on geopolitics and the global economy. In a few short years, the discovery of vast reserves of until now unreachable natural gas, and the adoption of a process to get at it, have brought about a shale-gas revolution that is transforming Canada and the United States. In *Groundswell*, Ezra Levant looks at fracking's enemies--who they are, and what they don't want us to know--and debunks claims about contaminated groundwater, fracking chemicals, and earthquakes. And he also looks at fracking's benefits: significant job and wealth creation, lower CO2 emissions, and, most importantly, increased political freedom. With natural gas in abundance, prices fall and the stranglehold of energy companies such as Russia's Gazprom loosens. Countries such as Ukraine, Poland, France, Israel, and China have vast reserves of shale gas, and accessing it could mean a monumental shift in energy politics. In this timely and provocative book, Levant explores the promise of natural gas that fracking has made possible and provides an eye-opening look at a subject of growing international importance.

Superpower - Russell Gold 2020-11-10

Meet Michael Skelly, the man boldly harnessing wind energy that could power America's future and break its fossil fuel dependence in this "essential, compelling look into the future of the nation's power grid" (Bryan Burrough, author of *The Big Rich*). The United States is in the midst of an energy transition. We have fallen out of love with dirty fossil fuels and want to embrace renewable energy sources like wind and solar. A transition from a North American power grid that is powered mostly by fossil fuels to one that is predominantly clean is feasible, but it would require a massive building spree—wind turbines, solar panels, wires, and billions of dollars would be needed. Enter Michael Skelly, an infrastructure builder who began working on wind energy in 2000 when many considered the industry a joke. Eight years later, Skelly helped

build the second largest wind power company in the United States—and sold it for \$2 billion.

Wind energy was no longer funny—it was well on its way to powering more than 6% of electricity in the United States. Award-winning journalist, Russel Gold tells Skelly's story, which in many ways is the story of our nation's evolving relationship with renewable energy. Gold illustrates how Skelly's company, Clean Line Energy, conceived the idea for a new power grid that would allow sunlight where abundant to light up homes in the cloudy states thousands of miles away, and take wind from the Great Plains to keep air conditioners running in Atlanta. Thrilling, provocative, and important, *Superpower* is a fascinating look at America's future.

The Shale Dilemma - Shanti Gamper-Rabindran 2017-11-30

The US shale boom and efforts by other countries to exploit their shale resources could reshape energy and environmental landscapes across the world. But how might those landscapes change? Will countries with significant physical reserves try to exploit them? Will they protect or harm local communities and the global climate? Will the benefits be shared or retained by powerful interests? And how will these decisions be made? *The Shale Dilemma* brings together experts working at the forefront of shale gas issues on four continents to explain how countries reach their decisions on shale development. Using a common analytical framework, the authors identify both local factors and transnational patterns in the decision-making process. Eight case studies reveal the trade-offs each country makes as it decides whether to pursue, delay, or block development. Those outcomes in turn reflect the nature of a country's political process and the power of interest groups on both sides of the issue. The contributors also ask whether the economic arguments made by the shale industry and its government supporters have overshadowed the concerns of local communities for information on the effects of shale operations, and for tax policies and regulations to ensure broad-based economic development and environmental protection. As an informative and even-handed account, *The Shale Dilemma* recommends practical steps to help countries

reach better, more transparent, and more far-sighted decisions.

The Frackers - Gregory Zuckerman 2013-11-05
"A lively, exciting, and definitely thought-provoking book." —Booklist Things looked grim for American energy in 2006, but a handful of wildcatters were determined to tap massive deposits of oil and gas that giants like Exxon and Chevron had ignored. They risked everything on a new process called fracking. Within a few years, they solved America's dependence on imported energy, triggered a global environmental controversy, and made and lost astonishing fortunes. No one understands the frackers—their ambitions, personalities, and foibles—better than Wall Street Journal reporter Gregory Zuckerman. His exclusive access drives this dramatic narrative, which stretches from North Dakota to Texas to Wall Street.

Reservoir Formation Damage - Faruk Civan 2011-08-30

Reservoir Formation Damage, Second edition is a comprehensive treatise of the theory and modeling of common formation damage problems and is an important guide for research and development, laboratory testing for diagnosis and effective treatment, and tailor-fit-design of optimal strategies for mitigation of reservoir formation damage. The new edition includes field case histories and simulated scenarios demonstrating the consequences of formation damage in petroleum reservoirs Faruk Civan, Ph.D., is an Alumni Chair Professor in the Mewbourne School of Petroleum and Geological Engineering at the University of Oklahoma in Norman. Dr. Civan has received numerous honors and awards, including five distinguished lectureship awards and the 2003 SPE Distinguished Achievement Award for Petroleum Engineering Faculty. Petroleum engineers and managers get critical material on evaluation, prevention, and remediation of formation damage which can save or cost millions in profits from a mechanistic point of view State-of-the-Art knowledge and valuable insights into the nature of processes and operational practices causing formation damage Provides new strategies designed to minimize the impact of and avoid formation damage in petroleum reservoirs with the newest drilling, monitoring, and detection techniques

Amity and Prosperity - Eliza Griswold

2018-06-12

Winner of the 2019 Pulitzer Prize for General Nonfiction In *Amity and Prosperity*, the prizewinning poet and journalist Eliza Griswold tells the story of the energy boom's impact on a small town at the edge of Appalachia and one woman's transformation from a struggling single parent to an unlikely activist. Stacey Haney is a local nurse working hard to raise two kids and keep up her small farm when the fracking boom comes to her hometown of Amity, Pennsylvania. Intrigued by reports of lucrative natural gas leases in her neighbors' mailboxes, she strikes a deal with a Texas-based energy company. Soon trucks begin rumbling past her small farm, a fenced-off drill site rises on an adjacent hilltop, and domestic animals and pets start to die. When mysterious sicknesses begin to afflict her children, she appeals to the company for help. Its representatives insist that nothing is wrong. Alarmed by her children's illnesses, Haney joins with neighbors and a committed husband-and-wife legal team to investigate what's really in the water and air. Against local opposition, Haney and her allies doggedly pursue their case in court and begin to expose the damage that's being done to the land her family has lived on for centuries. Soon a community that has long been suspicious of outsiders faces wrenching new questions about who is responsible for their fate, and for redressing it: The faceless corporations that are poisoning the land? The environmentalists who fail to see their economic distress? A federal government that is mandated to protect but fails on the job? Drawing on seven years of immersive reporting, Griswold reveals what happens when an imperiled town faces a crisis of values, and a family wagers everything on an improbable quest for justice.

Modern Fracturing - Michael J. Economides 2007

"Natural gas is rapidly emerging as a premier fuel for the world economy with markedly increasing trans-national trade. With proven reserves far exceeding those for crude oil, natural gas is likely to be around for centuries. This is a book about enhancing natural gas production using one of the most important and widespread well completion technologies -- hydraulic fracturing. The book addresses the

way that natural gas is produced from reservoirs and then describes diagnostic techniques that can pinpoint whether the well is producing as it should or whether intervention should be undertaken, which is the central theme of this book."--Back cover.

Fractured Communities - Anthony E. Ladd

2018-03-23

While environmental disputes and conflicts over fossil fuel extraction have grown in recent years, few issues have been as contentious in the twenty-first century as those surrounding the impacts of unconventional natural gas and oil development using hydraulic drilling and fracturing techniques—more commonly known as “fracking”—on local communities. In *Fractured Communities*, Anthony E. Ladd and other leading environmental sociologists present a set of crucial case studies analyzing the differential risk perceptions, socio-environmental impacts, and mobilization of citizen protest (or quiescence) surrounding unconventional energy development and hydraulic fracking in a number of key U.S. shale regions. *Fractured Communities* reveals how this contested terrain is expanding, pushing the issue of fracking into the mainstream of the American political arena.

The Green and the Black - Gary Sernovitz

2016-02-23

Gary Sernovitz leads a double life. A typical New York liberal, he is also an oilman - a fact his left-leaning friends let slide until the word "fracking" entered popular parlance. "How can you frack?" they suddenly demanded, aghast. But for Sernovitz, the real question is, "What happens if we don't?" Fracking has become a four-letter word to environmentalists. But most people don't know what it means. In his fast-paced, funny, and lively book, Sernovitz explains the reality of fracking: what it is, how it can be made safer, and how the oil business works. He also tells the bigger story. Fracking was just one part of a shale revolution that shocked our assumptions about fueling America's future. The revolution has transformed the world with consequences for the oil industry, investors, environmentalists, political leaders, and anyone who lives in areas shaped by the shales, uses fossil fuels, or cares about the climate - in short, everyone. Thanks to American engineers' oilfield

innovations, the United States is leading the world in reducing carbon emissions, has sparked a potential manufacturing renaissance, and may soon eliminate its dependence on foreign energy. Once again the largest oil and gas producer in the world, America has altered its balance of power with Russia and the Middle East. Yet the shale revolution has also caused local disruptions and pollution. It has prolonged the world's use of fossil fuels. Is there any way to reconcile the costs with the benefits of fracking? To do so, we must start by understanding fracking and the shale revolution in their totality. *The Green and the Black* bridges the gap in America's energy education. With an insider's firsthand knowledge and unprecedented clarity, Sernovitz introduces readers to the shales - a history-upturning "Internet of oil" - tells the stories of the shale revolution's essential characters, and addresses all the central controversies. To capture the economic, political, and environmental prizes, we need to adopt a balanced, informed perspective. We need to take the green with the black. Where we go from there is up to us.

Fracking - Tamara Thompson 2013

"At Issue: Fracking: Books in this anthology series focus a wide range of viewpoints onto a single controversial issue, providing in-depth discussions by leading advocates, a quick grounding in the issues, and a challenge to critical thinking skills"--

Shale Play - Julia Kasdorf 2018

Explores, in poetry and photographs, the effects of the natural gas boom and fracking in the small towns, fields, and forests of Appalachian Pennsylvania.

When Fracking Comes to Town - Sabina E. Deitrick 2022-01-15

When Fracking Comes to Town traces the response of local communities to the shale gas revolution. Rather than cast communities as powerless to respond to oil and gas companies and their landmen, it shows that communities have adapted their local rules and regulations to meet the novel challenges accompanying unconventional gas extraction through fracking. The multidisciplinary perspectives of this volume's essays tie together insights from planners, legal scholars, political scientists, and economists. What emerges is a more nuanced

perspective of shale gas development and its impacts on municipalities and residents. Unlike many political debates that cast fracking in black-and-white terms, this book's contributors embrace the complexity of local responses to fracking. States adapted legal institutions to meet the new challenges posed by this energy extraction process while under-resourced municipal officials and local planning offices found creative ways to alleviate pressure on local infrastructure and reduce harmful effects of fracking on the environment. The essays in *When Fracking Comes to Town* tell a story of community resilience with the rise and decline of shale gas production. Contributors: Ennio Piano, Ann M. Eisenberg, Pamela A. Mischen, Joseph T. Palka, Jr., Adelyn Hall, Carla Chifos, Teresa Córdova, Rebecca Matsco, Anna C. Osland, Carolyn G. Loh, Gavin Roberts, Sandeep Kumar Rangaraju, Frederick Tannery, Larry McCarthy, Erik R. Pages, Mark C. White, Martin Romitti, Nicholas G. McClure, Ion Simonides, Jeremy G. Weber, Max Harleman, Heidi Gorovitz Robertson

Oil and Natural Gas Economy in Argentina -
Victor Bravo 2021-02-09

This book gathers four papers authored by Víctor Bravo and Nicolás Di Sbroiavacca, Oil and Natural Gas Engineers, specialized in Energy Economics. The main axis of the book is the application of the exploitation techniques of Oil and Natural Gas in Argentina, by the so-called "conventional" methods, in comparison with the so-called "Fracking", (name massively used in the First World and particularly in the United States of America). Argentina has important Oil and Natural Gas resources in different regions of its wide geography. To develop these "non-conventional" techniques has generated endless controversies all over the world, mostly due to its estimated environmental impact and the need of significant requirement of large capitals for investment. Argentina is not out of this relevant controversy because in the mind of the maximum national authorities, fracking is one of the main factors that may contribute to generate monetary funds devoted to the payment of the immense foreign debt of this country. Other authors estimate that it is not possible to develop our country just on the basis of the massive exploitation and boundless export of

natural resources. Consequently, fracking is undoubtedly a topic of National Energy Politics. In this scenario, a previous analysis of the National Energy Politics of the recent governments of Argentina, after the bloody military dictatorship of 1976-1983 and the return to democratic governments in December 1983. This analysis is done over the chapters "Analysis of the National Law No 27007 (known as the "Hydrocarbon Resources Law") and the Oil and Natural Gas politics", the "Oil and Natural Gas Politics of the period from 2003 to 2014" and "The Argentine Energy Politics during the 2014-2018 period". Later on, the "Fracking" case is fully developed with two complementary analyses. One of them is basically centered on the technical and prospective scenarios for "fracking": "Shale Oil and Shale Gas in Argentina: Situation and Perspectives". The other one, "A technical opinion about Fracking", contemplates the impacts resulting from the use of these techniques, especially those concerning the environment. Anyhow, each of the chapters are self-contained, thus permitting separate reading of any of them.

The New Wild West - Blaire Briody 2017-09-26
Williston, North Dakota was a sleepy farm town for generations—until the frackers arrived. The oil companies moved into Williston, overtaking the town and setting off a boom that America hadn't seen since the Gold Rush. Workers from all over the country descended, chasing jobs that promised them six-figure salaries and demanded no prior experience. But for every person chasing the American dream, there is a darker side—reports of violence and sexual assault skyrocketed, schools overflowed, and housing prices soared. Real estate is such a hot commodity that tent cities popped up, and many workers' only option was to live out of their cars. Farmers whose families had tended the land for generations watched, powerless, as their fields were bulldozed to make way for one oil rig after another. Written in the vein of Ted Conover and Jon Krakauer, using a mix of first-person adventure and cultural analysis, *The New Wild West* is the definitive account of what's happening on the ground and what really happens to a community when the energy industry is allowed to set up in a town with little regulation or oversight—and at what cost.

Up to Heaven and Down to Hell - Colin Jerolmack 2021-04-20

A riveting portrait of a rural Pennsylvania town at the center of the fracking controversy Shale gas extraction—commonly known as fracking—is often portrayed as an energy revolution that will transform the American economy and geopolitics. But in greater Williamsport, Pennsylvania, fracking is personal. *Up to Heaven and Down to Hell* is a vivid and sometimes heartbreaking account of what happens when one of the most momentous decisions about the well-being of our communities and our planet—whether or not to extract shale gas and oil from the very land beneath our feet—is largely a private choice that millions of ordinary people make without the public's consent. The United States is the only country in the world where property rights commonly extend "up to heaven and down to hell," which means that landowners have the exclusive right to lease their subsurface mineral estates to petroleum companies. Colin Jerolmack spent eight months living with rural communities outside of Williamsport as they confronted the tension between property rights and the commonwealth. In this deeply intimate book, he reveals how the decision to lease brings financial rewards but can also cause irreparable harm to neighbors, to communal resources like air and water, and even to oneself. *Up to Heaven and Down to Hell* casts America's ideas about freedom and property rights in a troubling new light, revealing how your personal choices can undermine your neighbors' liberty, and how the exercise of individual rights can bring unintended environmental consequences for us all.

Boys and Oil: Growing Up Gay in a Fractured Land - Taylor Brorby 2022-06-07

From a young, gay environmentalist, a searing coming-of-age memoir set against the arid landscape of rural North Dakota, where homosexuality "seems akin to a ticking bomb." "I am a child of the American West, a landscape so rich and wide that my culture trembles with terror before its power." So begins Taylor Brorby's *Boys and Oil*, a haunting, bracingly honest memoir about growing up gay amidst the harshness of rural North Dakota, "a place where there is no safety in a ravaged landscape of

mining and fracking." In visceral prose, Brorby recounts his upbringing in the coalfields; his adolescent infatuation with books; and how he felt intrinsically different from other boys. Now an environmentalist, Brorby uses the destruction of large swathes of the West as a metaphor for the terror he experienced as a youth. From an assault outside a bar in an oil boom town to a furtive romance, and from his awakening as an activist to his arrest at the Dakota Access Pipeline, *Boys and Oil* provides a startling portrait of an America that persists despite well-intentioned legal protections.

Introduction to Peak Oil - R.W. Bentley 2016-03-22

This book examines the physical and economic characteristics of the global oil resource to explain why peak oil has been so poorly understood. The author draws on information held in oil industry datasets that are not widely available outside of the specialist literature, and describes a number of methods that have been successfully used to predict oil peaks. In contrast to the widely-held view that 'all oil forecasts are wrong', these methods correctly predicted the current peak in global conventional oil production. Current oil forecasts are then compared to evaluate the expected dates for regional and global oil peaks for conventional oil, all-oils, and all-liquids. The dates of global peaks in the production of all-oil and all-liquids appear to be reasonably soon, while the oil price that is needed to support these global production levels continues to rise. The world faces serious constraints in its oil supply, which accounts for about one-third of total world energy use, and over 90% of the fuel used for transportation. Readers of this book will gain a thorough understanding of the critical, but poorly understood, phenomenon of peak oil that has already had significant impacts on society in terms of high oil prices, and which will place increasing constraints on mankind's supply of energy and economic well-being in the coming years.

Saudi America - Bethany McLean 2018-09-11
Bestselling author Bethany McLean reveals the true story of fracking's impact -- on Wall Street, the economy and geopolitics. The technology of fracking in shale rock -- particularly in the Permian Basin in Texas -- has transformed

America into the world's top producer of both oil and natural gas. The U.S. is expected to be "energy independent" and a "net exporter" in less than a decade, a move that will upend global politics, destabilize Saudi Arabia, crush Russia's chokehold over Europe, and finally bolster American power again. Or Will it? Investigative journalist and bestselling author Bethany McLean digs deep into the cycles of boom and bust that has plagued the American oil industry for the past decade, from the financial wizardry and mysterious death of fracking pioneer Aubrey McClendon, to the speculators who are betting on America's ascendance and the collapse of OPEC in the great game of geopolitics. McLean finds that fracking is a business built on attracting ever-more gigantic amounts of capital investment, while promises of huge returns have often not borne out. Overeagerness in partaking in a boom can lead to all types of problems and just as she did with the Enron story, in Saudi America McLean points out the reality and the risks of the inflated promises of the fracking boom.

Fracking 101 - Eric George 2016-04-24

Fracking, or hydraulic fracturing to give its proper name, has become part of our lives recently, due to the massive exploitation of America's shale oil and gas fields. Along the way it has stirred up controversy, with passionate opponents fighting against the oil companies. The fight has generated a lot of heat, but not much understanding. This guide, written by some-one who knows what he is talking about takes a detached, neutral view of the subject. Without pushing a view for or against, it provides the factual background you need to form an opinion of your own. An Informed and Neutral Introduction Like most people I have heard of fracking, but did I really understand what it was? To answer honestly, no. I knew it had something to do with mining and was perhaps destructive to the land. To me, it was just one of those words of the moment. This guide has given me a real sense and understanding of what fracking is. It allowed me, someone who has no experience in this field, to learn about the pros and cons of fracking, without having the good and bad of it forced down my throat. If you want an informed and neutral introduction into fracking, then this is

the guide for you. ~ Debbie Prewer

The New Map - Daniel Yergin 2020-09-15

A Wall Street Journal bestseller and a USA Today Best Book of 2020 Named Energy Writer of the Year for *The New Map* by the American Energy Society "A master class on how the world works." —NPR Pulitzer Prize-winning author and global energy expert, Daniel Yergin offers a revelatory new account of how energy revolutions, climate battles, and geopolitics are mapping our future The world is being shaken by the collision of energy, climate change, and the clashing power of nations in a time of global crisis. Out of this tumult is emerging a new map of energy and geopolitics. The "shale revolution" in oil and gas has transformed the American economy, ending the "era of shortage" but introducing a turbulent new era. Almost overnight, the United States has become the world's number one energy powerhouse. Yet concern about energy's role in climate change is challenging the global economy and way of life, accelerating a second energy revolution in the search for a low-carbon future. All of this has been made starker and more urgent by the coronavirus pandemic and the economic dark age that it has wrought. World politics is being upended, as a new cold war develops between the United States and China, and the rivalry grows more dangerous with Russia, which is pivoting east toward Beijing. Vladimir Putin and China's Xi Jinping are converging both on energy and on challenging American leadership, as China projects its power and influence in all directions. The South China Sea, claimed by China and the world's most critical trade route, could become the arena where the United States and China directly collide. The map of the Middle East, which was laid down after World War I, is being challenged by jihadists, revolutionary Iran, ethnic and religious clashes, and restive populations. But the region has also been shocked by the two recent oil price collapses--and by the very question of oil's future in the rest of this century. A master storyteller and global energy expert, Daniel Yergin takes the reader on an utterly riveting and timely journey across the world's new map. He illuminates the great energy and geopolitical questions in an era of rising political turbulence and points to the profound challenges that lie

ahead.

[Under the Surface](#) - Tom Wilber 2015-09-22

For the updated paperback edition of *Under the Surface*, Tom Wilber has written a new chapter and epilogue covering developments since the book's initial publication. Chief among these are the home rule movement and accompanying social and legal events leading up to an unprecedented ban of fracking in New York state, and the outcome of the federal EPA's investigation of water pollution just across the state border in Dimock, Pennsylvania. The industry, with powerful political allies, effectively challenged the federal government's attempts to intervene in drilling communities in Pennsylvania, Wyoming, and Texas with water problems. But it met its match in a grassroots movement—known as "fractivism"—that sprouted from seeds sown in upstate New York community halls and grew into one of the state's most influential environmental movements since Love Canal. Wilber weaves a narrative tracing the consequences of shale gas development in northeast Pennsylvania and central New York through the perspective of various stakeholders. Wilber's evenhanded treatment explains how the revolutionary process of fracking has changed both access to our domestic energy reserves and the lives of people living over them. He gives a voice to all constituencies, including farmers and landowners tempted by the prospects of wealth but wary of the consequences; policymakers struggling with divisive issues concerning free enterprise, ecology, and public health; and activists coordinating campaigns based on their respective visions of economic salvation and environmental ruin. Throughout the book, Wilber illustrates otherwise dense policy and legal issues in human terms and shows how ordinary people can affect extraordinary events.

Private Empire - Steve Coll 2012-05-01

From the award-winning and bestselling author of *Ghost Wars* and *Directorate S*, an "extraordinary" and "monumental" exposé of Big Oil (*The Washington Post*) Includes a profile of current Secretary of State and former chairman and chief executive of ExxonMobil, Rex Tillerson In this, the first hard-hitting examination of ExxonMobil—the largest and most powerful private corporation in the United States—Steve Coll reveals the true extent of its power. *Private*

Empire pulls back the curtain, tracking the corporation's recent history and its central role on the world stage, beginning with the Exxon Valdez accident in 1989 and leading to the Deepwater Horizon oil spill in the Gulf of Mexico in 2010. The action spans the globe—featuring kidnapping cases, civil wars, and high-stakes struggles at the Kremlin—and the narrative is driven by larger-than-life characters, including corporate legend Lee "Iron Ass" Raymond, ExxonMobil's chief executive until 2005, and current chairman and chief executive Rex Tillerson, President-elect Donald Trump's nomination for Secretary of State. A penetrating, news-breaking study, *Private Empire* is a defining portrait of Big Oil in American politics and foreign policy.

Fracking and the Environment - Daniel J. Soeder 2020-11-11

This book provides a systematic scientific approach to the understanding of hydraulic fracturing (fracking) as a hydrocarbon extraction technology and its impact on the environment. The book addresses research from the past decade to assess how fracking can affect air, water, landscapes and ecosystems, and presents the subject in the context of the history of fracking and shale gas development in the United States, describing what is known and not known about environmental impacts, and the broader implications of fossil energy use, climate change, and technology development. In 9 chapters, the author lays out how and why hydraulic fracturing was developed, what driving forces existed at the beginning of the so-called "shale revolution", how success was achieved, and when and why public acceptance of the technology changed. The intended audience is scientific people who are concerned about fracking, but perhaps do not know all that much about it. It is also intended for lay people who would be interested in understanding the technical details of the process and what effects it might or might not be having on the environment. The book is written at a level that is both understandable and technically correct. A further goal is to give some useful insights even to experienced petroleum geologists and engineers who have been doing fracking for many years.

The Real Cost of Fracking - Michelle

Bamberger 2015-09-01

A pharmacologist and a veterinarian pull back the curtain on the human and animal health effects of hydraulic fracturing, or “fracking” Across the country, fracking—the extraction of natural gas by hydraulic fracturing—is being touted as the nation’s answer to energy independence and a fix for a flagging economy. Drilling companies assure us that the process is safe, politicians push through drilling legislation without a serious public-health debate, and those who speak out are marginalized, their silence purchased by gas companies and their warnings about the dangers of fracking stifled. *The Real Cost of Fracking* pulls back the curtain on how this toxic process endangers the environment and harms people, pets, and livestock. Michelle Bamberger, a veterinarian, and Robert Oswald, a pharmacologist, combine their expertise to show how contamination at drilling sites translates into ill health and heartbreak for families and their animals. By giving voice to the people at ground zero of the fracking debate, the authors vividly illustrate the consequences of fracking and issue an urgent warning to all of us: fracking poses a dire threat to the air we breathe, the water we drink, and even our food supply. Bamberger and Oswald reveal the harrowing experiences of small farmers who have lost their animals, their livelihoods, and their peace of mind, and of rural families whose property values have plummeted as their towns have been invaded by drillers. At the same time, these stories give us hope, as people band together to help one another and courageously fight to reclaim their communities. The debate over fracking speaks to a core dilemma of contemporary life: we require energy to live with modern conveniences, but what degree of environmental degradation, health risks, and threats to our food supply are we willing to accept to obtain that energy? As these stories demonstrate, the stakes couldn’t be higher, and this is an issue that none of us can afford to ignore.

Cranial Fracking - Ian Frazier 2021-09-07

Dispatches from the front lines of American culture by the great humorist Ian Frazier, “America’s greatest essayist” (Los Angeles Times), has gathered his insights on the most urgent issues of today in *Cranial Fracking*. From

climate change (what did Al Gore say at his colloquium on the rising temperatures in Hell?) to the state of culture (what do you do when you’re afflicted with Loss of Funding?) to Texas (what should we do with Texas?), he has all the answers. Or, at the very least, a lot of questions. Frazier is endlessly curious and perpetually delighted, and seeing the absurdity of the world through his eyes is irresistible. Once more, the author of *Hogs Wild* and *Travels in Siberia* has struck oil.

The Fracking Debate - Daniel Raimi

2017-12-26

Over roughly the past decade, oil and gas production in the United States has surged dramatically—thanks largely to technological advances such as high-volume hydraulic fracturing, more commonly known as “fracking.” This rapid increase has generated widespread debate, with proponents touting economic and energy-security benefits and opponents highlighting the environmental and social risks of increased oil and gas production. Despite the heated debate, neither side has a monopoly on the facts. In this book, Daniel Raimi gives a balanced and accessible view of oil and gas development, clearly and thoroughly explaining the key issues surrounding the shale revolution. *The Fracking Debate* directly addresses the most common questions and concerns associated with fracking: What is fracking? Does fracking pollute the water supply? Will fracking make the United States energy independent? Does fracking cause earthquakes? How is fracking regulated? Is fracking good for the economy? Coupling a deep understanding of the scholarly research with lessons from his travels to every major U.S. oil- and gas-producing region, Raimi highlights stories of the people and communities affected by the shale revolution, for better and for worse. *The Fracking Debate* provides the evidence and context that have so frequently been missing from the national discussion of the future of oil and gas production, offering readers the tools to make sense of this critical issue.

Policy Debates on Hydraulic Fracturing -

Christopher M. Weible 2016-09-26

This edited volume compares seven countries in North America and Europe on the highly topical issue of oil and gas development that uses hydraulic fracturing or “fracking.” The

comparative analysis is based on the Advocacy Coalition Framework (ACF) and guided by two questions: First, in each country, what are current coalitions and the related policy output? Second, based on the current situation, what are the chances for future policy change? This book is the first to use a social science approach to analyze hydraulic fracturing debates and the first application of the ACF that is deliberately comparative. The contributions in this book advance our understanding about the formation of coalitions and development of public policy in the context of different forms of government and economically recoverable natural resources.

Blowout - Rachel Maddow 2019-10-01

#1 NEW YORK TIMES BESTSELLER • Big Oil and Gas Versus Democracy—Winner Take All “A rollickingly well-written book, filled with fascinating, exciting, and alarming stories about the impact of the oil and gas industry on the world today.”—The New York Times Book Review In 2010, the words “earthquake swarm” entered the lexicon in Oklahoma. That same year, a trove of Michael Jackson memorabilia—including his iconic crystal-encrusted white glove—was sold at auction for over \$1 million to a guy who was, officially, just the lowly forestry minister of the tiny nation of Equatorial Guinea. And in 2014, revolutionaries in Ukraine raided the palace of their ousted president and found a zoo of peacocks, gilded toilets, and a floating restaurant modeled after a Spanish galleon. Unlikely as it might seem, there is a thread connecting these events, and Rachel Maddow follows it to its crooked source: the unimaginably lucrative and equally corrupting oil and gas industry. With her trademark black humor, Maddow takes us on a switchback journey around the globe, revealing the greed and incompetence of Big Oil and Gas along the way, and drawing a surprising conclusion about why the Russian government hacked the 2016 U.S. election. She deftly shows how Russia’s rich reserves of crude have, paradoxically, stunted its growth, forcing Vladimir Putin to maintain his power by spreading Russia’s rot into its rivals, its neighbors, the West’s most important alliances, and the United States. Chevron, BP, and a host of other industry players get their star turn, most notably ExxonMobil and the deceptively well-behaved Rex Tillerson. The oil

and gas industry has weakened democracies in developed and developing countries, fouled oceans and rivers, and propped up authoritarian thieves and killers. But being outraged at it is, according to Maddow, “like being indignant when a lion takes down and eats a gazelle. You can’t really blame the lion. It’s in her nature.” Blowout is a call to contain the lion: to stop subsidizing the wealthiest businesses on earth, to fight for transparency, and to check the influence of the world’s most destructive industry and its enablers. The stakes have never been higher. As Maddow writes, “Democracy either wins this one or disappears.”

The Prize - Daniel Yergin 2012-09-11

The Prize recounts the panoramic history of oil -- and the struggle for wealth power that has always surrounded oil. This struggle has shaken the world economy, dictated the outcome of wars, and transformed the destiny of men and nations. The Prize is as much a history of the twentieth century as of the oil industry itself. The canvas of this history is enormous -- from the drilling of the first well in Pennsylvania through two great world wars to the Iraqi invasion of Kuwait and Operation Desert Storm. The cast extends from wildcatters and rogues to oil tycoons, and from Winston Churchill and Ibn Saud to George Bush and Saddam Hussein. The definitive work on the subject of oil and a major contribution to understanding our century, The Prize is a book of extraordinary breadth, riveting excitement -- and great importance.

A Field Philosopher's Guide to Fracking: How One Texas Town Stood Up to Big Oil and Gas - Adam Briggie 2015-10-19

From the front lines of the fracking debate, a “field philosopher” explores one of our most divisive technologies. When philosophy professor Adam Briggie moved to Denton, Texas, he had never heard of fracking. Only five years later he would successfully lead a citizens' initiative to ban hydraulic fracturing in Denton—the first Texas town to challenge the oil and gas industry. On his journey to learn about fracking and its effects, he leaped from the ivory tower into the fray. In beautifully narrated chapters, Briggie brings us to town hall debates and neighborhood meetings where citizens wrestle with issues few fully understand. Is fracking safe? How does it affect the local economy? Why are bakeries

prohibited in neighborhoods while gas wells are permitted next to playgrounds? In his quest for answers Briggie meets people like Cathy McMullen. Her neighbors' cows asphyxiated after drinking fracking fluids, and her orchard was razed to make way for a pipeline. Cathy did not consent to drilling, but those who profited lived far out of harm's way. Briggie's first instinct was to think about fracking—deeply. Drawing on philosophers from Socrates to Kant, but also on conversations with engineers, legislators, and industry representatives, he develops a simple theory to evaluate fracking: we should give those at risk to harm a stake in the decisions we make, and we should monitor for and correct any problems that arise. Finding this regulatory process short-circuited, with government and industry alike turning a blind eye to symptoms like earthquakes and nosebleeds, Briggie decides to take action. Though our field philosopher is initially out of his element—joining fierce activists like "Texas Sharon," once called the "worst enemy" of the oil and gas industry—his story culminates in an underdog victory for Denton, now nationally recognized as a beacon for citizens' rights at the epicenter of the fracking revolution.

On Fracking - C. Alexia Lane 2013

Around the world, a significant shift from conventional to unconventional energy extraction is occurring like never before. As traditional energy sources dwindle and the demand for fossil fuels continues to increase, civilization seems to be taking greater and greater risks in order to fuel our consumption and over-use of this planet's natural resources. Hydraulic fracturing, or "fracking", has emerged as a lightning rod of controversy as engaged citizens grow more and more concerned with the threats facing fresh water resources, local geology and sensitive landscapes. C. Alexia Lane's first RMB Manifesto introduces readers to the practice of "fracking" and makes it clear that there is an urgent need for current policies to be reformed in order to alleviate ever-growing community, ecological and environmental concerns.

Hydrofracking - Alex Prud'homme 2014

Examines the basics of hydraulic fracturing and introduces economic and political benefits of fracking and the possible dangers associated

with it.

Shale Gas and Fracking - Michael Stephenson 2015-02-06

Shale Gas and Fracking: The Science Behind the Controversy explains the relevant geological principles before examining the peer-reviewed evidence and presenting it through a simple and compelling illustrated narrative. Each chapter focuses on a particular controversy, such as contamination of well water with gas from fracking, and follows a similar format: starting with the principles; then detailing peer-reviewed case studies for earthquakes, radioactivity, and climate change; and concluding with a judgment of the general risks involved. Shale Gas and Fracking: The Science Behind the Controversy provides readers with the unbiased information they need to make informed decisions on the controversial issue of fracking. Presents a clear and unbiased view of the pros and cons of fracking in Europe and the US, through a simple and compelling narrative from an informed publicly-funded scientist Includes full-colour diagrams, photographs, and maps to present information clearly and simply Focuses on peer-reviewed, documented examples, particularly of earthquakes and groundwater contamination due to fracking

Heat and Light - Jennifer Haigh 2016-05-03

Acclaimed New York Times bestselling author Jennifer Haigh returns to the Pennsylvania town at the center of her iconic novel Baker Towers in this ambitious, achingly human story of modern America and the conflicting forces at its heart—a bold, moving drama of hope and desperation, greed and power, big business and small-town families. Forty years ago, Bakerton coal fueled the country. Then the mines closed, and the town wore away like a bar of soap. Now Bakerton has been granted a surprise third act: it sits squarely atop the Marcellus Shale, a massive deposit of natural gas. To drill or not to drill? Prison guard Rich Devlin leases his mineral rights to finance his dream of farming. He doesn't count on the truck traffic and nonstop noise, his brother's skepticism or the paranoia of his wife, Shelby, who insists the water smells strange and is poisoning their frail daughter. Meanwhile his neighbors, organic dairy farmers Mack and Rena, hold out against the drilling—until a passionate environmental

activist disrupts their lives. Told through a cast of characters whose lives are increasingly bound by the opposing interests that underpin the national debate, *Heat and Light* depicts a community blessed and cursed by its natural resources. Soaring and ambitious, it zooms from drill rig to shareholders' meeting to the Three Mile Island nuclear reactor to the ruined landscape of the "strippings," haunting reminders of Pennsylvania's past energy booms. This is a dispatch from a forgotten America—a work of searing moral clarity from one of the finest writers of her generation, a courageous and necessary book.

The Quest - Daniel Yergin 2012-09-26

"A sprawling story richly textured with original material, quirky details and amusing anecdotes . . ." —Wall Street Journal "It is a cause for celebration that Yergin has returned with his perspective on a very different landscape . . . [I]t is impossible to think of a better introduction to the essentials of energy in the 21st century. *The Quest* is . . . the definitive guide to how we got here." —The Financial Times This long-awaited successor to Daniel Yergin's Pulitzer Prize-winning *The Prize* provides an essential, overarching narrative of global energy, the principal engine of geopolitical and economic change. A master storyteller as well as a leading energy expert, Daniel Yergin continues the riveting story begun in his Pulitzer Prize-winning book, *The Prize*. In *The Quest*, Yergin shows us how energy is an engine of global political and economic change and conflict, in a story that spans the energies on which our civilization has been built and the new energies that are competing to replace them. *The Quest* tells the inside stories, tackles the tough questions, and reveals surprising insights about coal, electricity, and natural gas. He explains how climate change became a great issue and leads readers through the rebirth of renewable energies, energy independence, and the return of the electric car. Epic in scope and never more timely, *The Quest* vividly reveals the decisions, technologies, and individuals that are shaping our future.

The Fracking King - James Browning 2014

A boarding-school loner and Scrabble prodigy becomes an unlikely hero in his effort to combat

hydraulic fracturing in Pennsylvania by competing for a meeting with the state governor and revealing devastating environmental consequences. A first novel. 10,000 first printing.

The End of Country - Seamus McGraw
2012-07-10

"A rare, honest, beautiful, and, yes, sometimes heartbreaking examination of the echoes of water-powered natural gas drilling—or fracking—in the human community . . . vivid, personal and emotional."—Minneapolis Star Tribune Susquehanna County, in the remote northeastern corner of Pennsylvania, is a community of stoic, low-income dairy farmers and homesteaders seeking haven from suburban sprawl—and the site of the Marcellus Shale, a natural gas deposit worth more than one trillion dollars. In *The End of Country*, journalist and area native Seamus McGraw opens a window on the battle for control of this land, revealing a conflict that pits petrodollar billionaires and the forces of corporate America against a band of locals determined to extract their fair share of the windfall—but not at the cost of their values or their way of life. Rich with a sense of place and populated by unforgettable personalities, McGraw tells a tale of greed, hubris, and envy, but also of hope, family, and the land that binds them all together. "To tell a great story, you need a great story. Seamus McGraw . . . has lived a great story. . . . [He] is just one of its many characters—very real characters—caught up in a very human story in which they must make tough, life-altering decisions for themselves, their community, and ultimately their country."—Allentown Morning Call "Compelling . . . *The End of Country* is like a phone call from a close friend or relative living smack-dab in the middle of the Pennsylvania gas rush. . . . Anyone with even a passing interest in the [fracking debate should] read it."—Harrisburg Patriot-News "This cautionary tale should be required reading for all those tempted by the calling cards of easy money and precarious peace of mind."—Tom Brokaw "A page-turner . . . McGraw brings us to the front lines of the U.S. energy revolution to deliver an honest and humbling account that could hardly possess greater relevance."—The Humanist