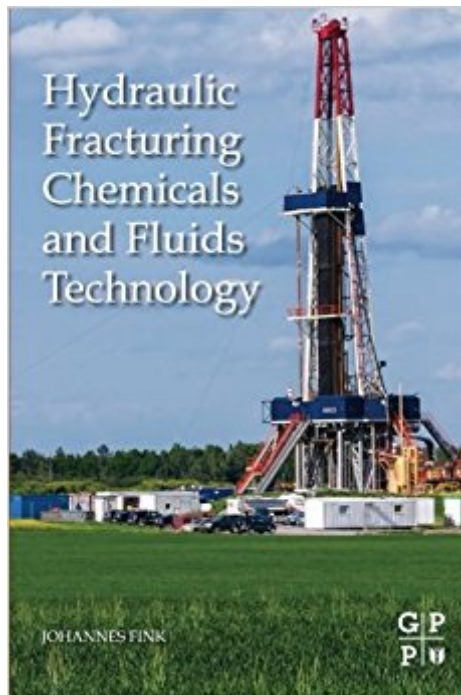




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Hydraulic Fracturing Chemicals And Fluids Technology



Synopsis

When classifying fracturing fluids and their additives, it is important that production, operation, and completion engineers understand which chemical should be utilized in different well environments. A user's guide to the many chemicals and chemical additives used in hydraulic fracturing operations, *Hydraulic Fracturing Chemicals and Fluids Technology* provides an easy-to-use manual to create fluid formulations that will meet project-specific needs while protecting the environment and the life of the well. Fink creates a concise and comprehensive reference that enables the engineer to logically select and use the appropriate chemicals on any hydraulic fracturing job. The first book devoted entirely to hydraulic fracturing chemicals, Fink eliminates the guesswork so the engineer can select the best chemicals needed on the job while providing the best protection for the well, workers and environment. Pinpoints the specific compounds used in any given fracturing operation. Provides a systematic approach to classifying fracturing fluid technology to meet specific project needs. Eliminates guesswork with easy-to-understand language on selection and components of hydraulic fracturing chemicals. Addresses environmental aspects of chemicals to safeguard employees and protect the environment.

Book Information

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Customer Reviews

Hydraulic Fracturing Chemicals and Fluids Technology Create hydraulic fracturing fluid formulations that meet project specific needs while protecting the environment and profitability. Johannes Fink,

Professor University of Leoben, Austria

Key Features:

- Pinpoints the specific compounds used in any given fracturing operation
- Provides systematic approach to classifying fracturing fluid technology to meet specific project needs
- Eliminates guesswork with easy-to-understand language on selection and components of hydraulic fracturing chemicals
- Addresses environmental aspects of chemicals to safeguard employees and protect the environment

Demand for well stimulation chemicals and products continue to rise, and fracturing chemicals, when used properly, can protect the life of the well, the environment and engineers on the job. However, there are many challenges facing this growing part of the industry, including lack of published references on chemical selection, basic mechanics of chemical components, environmental implications on chemicals used, and understanding the elements of the products behind the trade names. Well-known author, Johannes Fink, author of *Petroleum Engineer's Guide to Oil Field Chemicals and Fluids*, has published a quick look-up guide titled *Hydraulic Fracturing Chemicals and Fluids Technology*. Fink creates a concise and comprehensive reference handbook to enable the engineer to logically select and utilize the appropriate chemicals on any hydraulic fracturing job. The first book to be devoted entirely to hydraulic fracturing chemicals, Fink eliminates the guesswork so the engineer can select the best chemicals needed on the job, while providing the best protection for the well, workers and environment.

Related Titles:

- Petroleum Engineer's Guide to Oil Field Chemicals and Fluids* by Johannes Fink / ISBN-13: 978-0123838445
- Composition and Properties of Drilling and Completion Fluids*, Sixth Ed. by Ryen Caenn, H.C.H. Darley and George Gray / ISBN-13: 978-0123838582
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Johannes Fink is a Professor of Polymer Chemistry at Montanuniversität Leoben in Vienna, Austria. Dr. Fink teaches macromolecular chemistry. His career spans for more than thirty years in the field of polymers, including characterization, flame retardancy and pyrolysis of polymers. Johannes has published multiple books and articles, including *Petroleum Engineer's Guide to Oil Field Chemicals and Fluids*, 2nd Edition, *Water-Based Chemicals and Technology for Drilling, Completion, and Workover Fluids* and *Hydraulic Fracturing Chemicals and Fluids Technology*, all published by Elsevier.

If you're looking for a resource that is founded/supported in scientific research (and not opinion or an engineer's perspective), this is NOT the book you want. I bought this book because I was looking

for a resource explaining why each chemical was used, and I could see from the "Look Inside" option that literature was cited by the book. Unfortunately, most of the in-text citations are to US Patent applications, which are useless to me as a researcher. This book does not really describe anything more than what you can find on any "hydraulic fracturing" website. Also, I was disappointed that this really only gave one side of the story – the oil & gas industry/engineer's point of view, which is obviously biased.

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