



Formation Testing: Pressure Transient and Contamination Analysis

Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao

Download now

[Click here](#) if your download doesn't start automatically

Formation Testing: Pressure Transient and Contamination Analysis

Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao

Formation Testing: Pressure Transient and Contamination Analysis Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao

Traditional well logging methods, such as resistivity, acoustic, nuclear and NMR, provide indirect information related to fluid and formation properties. The “formation tester,” offered in wireline and MWD/LWD operations, is different. It collects actual downhole fluid samples for surface analysis, and through pressure transient analysis, provides direct measurements for pore pressure, mobility, permeability and anisotropy. These are vital to real-time drilling safety, geosteering, hydraulic fracturing and economic analysis.

Methods for formation testing analysis, while commercially important and accounting for a substantial part of service company profits, however, are shrouded in secrecy. Unfortunately, many are poorly constructed, and because details are not available, industry researchers are not able to improve upon them. This new book explains conventional models and develops new, more powerful algorithms for early-time analysis, and importantly, addresses a critical area in sampling related to “time required to pump clean samples” using rigorous multiphase flow techniques. All of the methods are explained in complete detail. Equations are offered for users to incorporate in their own models, but convenient, easy-to-use software is available for those needing immediate answers.

The leading author is a well known petrophysicist, with hands-on experience at Schlumberger, Halliburton, BP Exploration and other companies. His work is used commercially at major oil service companies, and important extensions to his formation testing models have been supported by prestigious grants from the United States Department of Energy. His new collaboration with China National Offshore Oil Corporation marks an important turning point, where advanced simulation models and hardware are evolving side-by-side to define a new generation of formation testing logging instruments. The present book provides more than formulations and solutions: it offers a close look at formation tester development “behind the scenes,” as the China National Offshore Oil Corporation opens up its research, engineering and manufacturing facilities through a collection of interesting photographs to show how formation testing tools are developed from start to finish.

 [Download Formation Testing: Pressure Transient and Contamin ...pdf](#)

 [Read Online Formation Testing: Pressure Transient and Contam ...pdf](#)

Download and Read Free Online Formation Testing: Pressure Transient and Contamination Analysis Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao

From reader reviews:

Belinda Timmer:

The book Formation Testing: Pressure Transient and Contamination Analysis give you a sense of feeling enjoy for your spare time. You need to use to make your capable a lot more increase. Book can to be your best friend when you getting anxiety or having big problem with your subject. If you can make reading through a book Formation Testing: Pressure Transient and Contamination Analysis to get your habit, you can get much more advantages, like add your personal capable, increase your knowledge about a few or all subjects. You may know everything if you like open up and read a e-book Formation Testing: Pressure Transient and Contamination Analysis. Kinds of book are several. It means that, science guide or encyclopedia or other folks. So , how do you think about this e-book?

Joshua Montgomery:

Spent a free a chance to be fun activity to complete! A lot of people spent their spare time with their family, or their very own friends. Usually they carrying out activity like watching television, likely to beach, or picnic within the park. They actually doing ditto every week. Do you feel it? Would you like to something different to fill your free time/ holiday? Might be reading a book could be option to fill your cost-free time/ holiday. The first thing that you'll ask may be what kinds of publication that you should read. If you want to consider look for book, may be the e-book untitled Formation Testing: Pressure Transient and Contamination Analysis can be great book to read. May be it could be best activity to you.

Jeffrey Dominguez:

Are you kind of busy person, only have 10 or perhaps 15 minute in your day to upgrading your mind talent or thinking skill even analytical thinking? Then you are having problem with the book compared to can satisfy your short period of time to read it because all of this time you only find reserve that need more time to be examine. Formation Testing: Pressure Transient and Contamination Analysis can be your answer since it can be read by you who have those short spare time problems.

Sandra Romero:

Do you like reading a reserve? Confuse to looking for your selected book? Or your book was rare? Why so many query for the book? But any kind of people feel that they enjoy for reading. Some people likes studying, not only science book but in addition novel and Formation Testing: Pressure Transient and Contamination Analysis as well as others sources were given information for you. After you know how the good a book, you feel need to read more and more. Science guide was created for teacher or even students especially. Those books are helping them to bring their knowledge. In various other case, beside science book, any other book likes Formation Testing: Pressure Transient and Contamination Analysis to make your spare time far more colorful. Many types of book like here.

Download and Read Online Formation Testing: Pressure Transient and Contamination Analysis Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao #GOSTXHWNV86

Read Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao for online ebook

Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao books to read online.

Online Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao ebook PDF download

Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao Doc

Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao Mobipocket

Formation Testing: Pressure Transient and Contamination Analysis by Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao EPub