



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:

Hester Crutchfield:

This book untitled Formation Testing: Pressure Transient and Contamination Analysis to be one of several books that will best seller in this year, that's because when you read this reserve you can get a lot of benefit into it. You will easily to buy this specific book in the book retailer or you can order it via online. The publisher of this book sells the e-book too. It makes you quickly to read this book, as you can read this book in your Touch screen phone. So there is no reason to your account to past this book from your list.

Timothy Walker:

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

Roger Cowen:

As a student exactly feel bored to reading. If their teacher requested them to go to the library as well as to make summary for some e-book, they are complained. Just very little students that has reading's internal or real their hobby. They just do what the educator want, like asked to the library. They go to at this time there but nothing reading really. Any students feel that examining is not important, boring and can't see colorful photographs on there. Yeah, it is to become complicated. Book is very important to suit your needs. As we know that on this age, many ways to get whatever we would like. Likewise word says, many ways to reach Chinese's country. Therefore , this Formation Testing: Pressure Transient and Contamination Analysis can make you feel more interested to read.

Virginia McNally:

What is your hobby? Have you heard that question when you got pupils? We believe that that question was given by teacher to the students. Many kinds of hobby, Everyone has different hobby. And you know that little person just like reading or as looking at become their hobby. You must know that reading is very important and book as to be the point. Book is important thing to provide you knowledge, except your personal teacher or lecturer. You will find good news or update with regards to something by book. A substantial number of sorts of books that can you decide to try be your object. One of them is this Formation Testing: Pressure Transient and Contamination Analysis.

**Download and Read Online Formation Testing: Pressure Transient
and Contamination Analysis Wilson C. Chin, Yanmin Zhou,
Yongren Feng, Qiang Yu, Lixin Zhao #RZS0APUWHNO**

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