



# 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:**

#### **Kimberly Kiser:**

In this 21st one hundred year, people become competitive in every single way. By being competitive today, people have to do something to make them survive, being in the middle of often the crowded place and notice by surrounding. One thing that at times many people have underestimated the idea for a while is reading. Yep, by reading a publication your ability to survive improves then having chance to endure than other is high. To suit your needs who want to start reading any book, we give you this kind of Formation Testing: Pressure Transient and Contamination Analysis book as beginning and daily reading e-book. Why, because this book is greater than just a book.

#### **Kimberly Langdon:**

This Formation Testing: Pressure Transient and Contamination Analysis is brand-new way for you who has intense curiosity to look for some information mainly because it relieves your hunger for details. Getting deeper you on it getting knowledge more you know or else you who still having little bit of digest in reading this Formation Testing: Pressure Transient and Contamination Analysis can be the light food for yourself because the information inside this specific book is easy to get by means of anyone. These books acquire itself in the form which is reachable by anyone, yep I mean in the e-book type. People who think that in reserve form make them feel drowsy even dizzy this reserve is the answer. So there is not any in reading a e-book especially this one. You can find what you are looking for. It should be here for an individual. So, don't miss it! Just read this e-book sort for your better life and knowledge.

#### **Bernadine Parker:**

You can obtain this Formation Testing: Pressure Transient and Contamination Analysis by go to the bookstore or Mall. Merely viewing or reviewing it may to be your solve challenge if you get difficulties on your knowledge. Kinds of this book are various. Not only simply by written or printed but additionally can you enjoy this book by e-book. In the modern era just like now, you just looking by your local mobile phone and searching what your problem. Right now, choose your current ways to get more information about your reserve. It is most important to arrange yourself to make your knowledge are still update. Let's try to choose right ways for you.

#### **Lloyd Gilbert:**

As a college student exactly feel bored to be able to reading. If their teacher expected them to go to the library or even make summary for some guide, they are complained. Just little students that has reading's heart and soul or real their interest. They just do what the trainer want, like asked to the library. They go to presently there but nothing reading critically. Any students feel that reading through is not important, boring along with can't see colorful photos on there. Yeah, it is to become complicated. Book is very important in your case. As we know that on this period, many ways to get whatever we want. Likewise word says, ways

to reach Chinese's country. Therefore this Formation Testing: Pressure Transient and Contamination Analysis can make you experience more interested to read.

**Download and Read Online Formation Testing: Pressure Transient and Contamination Analysis Wilson C. Chin, Yanmin Zhou, Yongren Feng, Qiang Yu, Lixin Zhao #8V2OKR0PYHB**

# **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**