



# Design of a HPHT Chamber for Resonance Enhanced Drilling (RED)

*By David Onalo*

Download now

Read Online ➔

**Design of a HPHT Chamber for Resonance Enhanced Drilling (RED)** By David Onalo

This book describes the design of a drilling chamber for the Resonance Enhanced Drilling (RED) technology invented by Professor Marian Wiercigroch at the University of Aberdeen. Most oil and gas wells are drilled using rotational drilling and a few with percussive drilling. Some technological advances have allowed some to combine both methods. RED is a smart way of combining both rotational and oscillatory motion to aid the drilling process and increase the rate of penetration. Analytical analysis of the stresses which the chamber would be subjected to were calculated and a numerical analysis was carried out to validate the results gotten in the analytical analyses. Finally, conclusions and recommendations for further work are suggested.

↓ [Download Design of a HPHT Chamber for Resonance Enhanced Drilling \(RED\) ...pdf](#)

📖 [Read Online Design of a HPHT Chamber for Resonance Enhanced Drilling \(RED\) ...pdf](#)

# Design of a HPHT Chamber for Resonance Enhanced Drilling (RED)

*By David Onalo*

## **Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo**

This book describes the design of a drilling chamber for the Resonance Enhanced Drilling (RED) technology invented by Professor Marian Wiercigroch at the University of Aberdeen. Most oil and gas wells are drilled using rotational drilling and a few with percussive drilling. Some technological advances have allowed some to combine both methods. RED is a smart way of combining both rotational and oscillatory motion to aid the drilling process and increase the rate of penetration. Analytical analysis of the stresses which the chamber would be subjected to were calculated and a numerical analysis was carried out to validate the results gotten in the analytical analyses. Finally, conclusions and recommendations for further work are suggested.

## **Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo Bibliography**

- Published on: 2016-06-13
- Released on: 2016-06-13
- Original language: English
- Dimensions: 8.66" h x .20" w x 5.91" l,
- Binding: Paperback
- 88 pages

 [Download Design of a HPHT Chamber for Resonance Enhanced Dr ...pdf](#)

 [Read Online Design of a HPHT Chamber for Resonance Enhanced ...pdf](#)

## **Download and Read Free Online Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo**

---

### **Editorial Review**

#### **About the Author**

David Onalo is a Ph.D Candidate in oil and gas Engineering at the Memorial University of Newfoundland, Canada. He has an MSc. from University of Aberdeen and B.Eng from Gubkin Russian State University of Oil & Gas Moscow. He has an MBA and is PMP certified. He has worked as a subsea engineer, process engineer, production engineer and researcher.

### **Users Review**

#### **From reader reviews:**

##### **Terry Hayes:**

The book Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) make you feel enjoy for your spare time. You need to use to make your capable far more increase. Book can to be your best friend when you getting anxiety or having big problem together with your subject. If you can make studying a book Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) to be your habit, you can get considerably more advantages, like add your personal capable, increase your knowledge about a number of or all subjects. You are able to know everything if you like open up and read a publication Design of a HPHT Chamber for Resonance Enhanced Drilling (RED). Kinds of book are several. It means that, science reserve or encyclopedia or some others. So , how do you think about this publication?

##### **Eugene Glover:**

In this 21st one hundred year, people become competitive in each and every way. By being competitive now, people have do something to make these individuals survives, being in the middle of the actual crowded place and notice through surrounding. One thing that often many people have underestimated the item for a while is reading. Yep, by reading a book your ability to survive enhance then having chance to remain than other is high. For you personally who want to start reading a book, we give you that Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) book as beginner and daily reading e-book. Why, because this book is more than just a book.

##### **Peter Hudson:**

Reading a reserve can be one of a lot of exercise that everyone in the world enjoys. Do you like reading book and so. There are a lot of reasons why people enjoyed. First reading a reserve will give you a lot of new details. When you read a publication you will get new information mainly because book is one of several ways to share the information as well as their idea. Second, reading a book will make anyone more imaginative. When you studying a book especially fiction book the author will bring someone to imagine the story how the characters do it anything. Third, you can share your knowledge to other folks. When you read this Design of a HPHT Chamber for Resonance Enhanced Drilling (RED), you could tells your family, friends along with soon about yours guide. Your knowledge can inspire average, make them reading a e-

book.

**Eleanor Walker:**

Can you one of the book lovers? If yes, do you ever feeling doubt if you are in the book store? Try and pick one book that you never know the inside because don't evaluate book by its include may doesn't work here is difficult job because you are afraid that the inside maybe not as fantastic as in the outside appearance likes. Maybe you answer could be Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) why because the wonderful cover that make you consider in regards to the content will not disappoint you. The inside or content is fantastic as the outside or cover. Your reading sixth sense will directly show you to pick up this book.

**Download and Read Online Design of a HPHT Chamber for  
Resonance Enhanced Drilling (RED) By David Onalo  
#WPC8TJIONAB**

## **Read Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo for online ebook**

Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo 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 Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo books to read online.

### **Online Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo ebook PDF download**

#### **Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo Doc**

Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo Mobipocket

Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo EPub

WPC8TJIONAB: Design of a HPHT Chamber for Resonance Enhanced Drilling (RED) By David Onalo