



Fundamentals of Gas Reservoir Engineering

By Jacques Hagoort

[Download now](#)

[Read Online](#) 

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort

Gas reservoir engineering is the branch of reservoir engineering that deals exclusively with reservoirs of non-associated gas. The prime purpose of reservoir engineering is the formulation of development and production plans that will result in maximum recovery for a given set of economic, environmental and technical constraints. This is not a one-time activity but needs continual updating throughout the production life of a reservoir. The objective of this book is to bring together the fundamentals of gas reservoir engineering in a coherent and systematic manner. It is intended both for students who are new to the subject and practitioners, who may use this book as a reference and refresher. Each chapter can be read independently of the others and includes several, completely worked exercises. These exercises are an integral part of the book; they not only illustrate the theory but also show how to apply the theory to practical problems. Chapters 2, 3 and 4 are concerned with the basic physical properties of reservoirs and natural gas fluids, insofar as of relevance to gas reservoir engineering. Chapter 5 deals with the volumetric estimation of hydrocarbon fluids in-place and the recoverable hydrocarbon reserves of gas reservoirs. Chapter 6 presents the material balance method, a classic method for the analysis of reservoir performance based on the Law of Conservation of Mass. Chapters 7-10 discuss various aspects of the flow of natural gas in the reservoir and the wellbore: single phase flow in porous and permeable media; gaswell testing methods based on single-phase flow principles; the mechanics of gas flow in the wellbore; the problem of water coning, the production of water along with the gas in gas reservoirs with underlying bottom water. Chapter 11 discusses natural depletion, the common development option for dry and wet gas reservoirs. The development of gas-condensate reservoirs by gas injection is

 [Download Fundamentals of Gas Reservoir Engineering ...pdf](#)

 [Read Online Fundamentals of Gas Reservoir Engineering ...pdf](#)

Fundamentals of Gas Reservoir Engineering

By Jacques Hagoort

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort

Gas reservoir engineering is the branch of reservoir engineering that deals exclusively with reservoirs of non-associated gas. The prime purpose of reservoir engineering is the formulation of development and production plans that will result in maximum recovery for a given set of economic, environmental and technical constraints. This is not a one-time activity but needs continual updating throughout the production life of a reservoir. The objective of this book is to bring together the fundamentals of gas reservoir engineering in a coherent and systematic manner. It is intended both for students who are new to the subject and practitioners, who may use this book as a reference and refresher. Each chapter can be read independently of the others and includes several, completely worked exercises. These exercises are an integral part of the book; they not only illustrate the theory but also show how to apply the theory to practical problems. Chapters 2, 3 and 4 are concerned with the basic physical properties of reservoirs and natural gas fluids, insofar as of relevance to gas reservoir engineering. Chapter 5 deals with the volumetric estimation of hydrocarbon fluids in-place and the recoverable hydrocarbon reserves of gas reservoirs. Chapter 6 presents the material balance method, a classic method for the analysis of reservoir performance based on the Law of Conservation of Mass. Chapters 7-10 discuss various aspects of the flow of natural gas in the reservoir and the wellbore: single phase flow in porous and permeable media; gaswell testing methods based on single-phase flow principles; the mechanics of gas flow in the wellbore; the problem of water coning, the production of water along with the gas in gas reservoirs with underlying bottom water. Chapter 11 discusses natural depletion, the common development option for dry and wet gas reservoirs. The development of gas-condensate reservoirs by gas injection is

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort Bibliography

- Sales Rank: #3004100 in Books
- Published on: 2012-04-23
- Original language: English
- Dimensions: 9.50" h x .77" w x 6.50" l,
- Binding: Paperback
- 340 pages



[Download Fundamentals of Gas Reservoir Engineering ...pdf](#)



[Read Online Fundamentals of Gas Reservoir Engineering ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Claire Underwood:

A lot of people always spent their very own free time to vacation or go to the outside with them family or their friend. Do you know? Many a lot of people spent they will free time just watching TV, as well as playing video games all day long. If you would like try to find a new activity honestly, that is look different you can read some sort of book. It is really fun for yourself. If you enjoy the book that you simply read you can spent all day long to reading a publication. The book Fundamentals of Gas Reservoir Engineering it is quite good to read. There are a lot of folks that recommended this book. These folks were enjoying reading this book. In case you did not have enough space to create this book you can buy the e-book. You can more easily to read this book out of your smart phone. The price is not to fund but this book provides high quality.

Alice Wilkerson:

People live in this new moment of lifestyle always try and and must have the spare time or they will get great deal of stress from both everyday life and work. So , whenever we ask do people have time, we will say absolutely without a doubt. People is human not only a robot. Then we consult again, what kind of activity are there when the spare time coming to you of course your answer will certainly unlimited right. Then do you try this one, reading publications. It can be your alternative within spending your spare time, the actual book you have read is Fundamentals of Gas Reservoir Engineering.

Robert Rooks:

Beside this specific Fundamentals of Gas Reservoir Engineering in your phone, it could give you a way to get closer to the new knowledge or information. The information and the knowledge you might got here is fresh from the oven so don't possibly be worry if you feel like an older people live in narrow town. It is good thing to have Fundamentals of Gas Reservoir Engineering because this book offers for you readable information. Do you oftentimes have book but you don't get what it's facts concerning. Oh come on, that will not happen if you have this in the hand. The Enjoyable set up here cannot be questionable, including treasuring beautiful island. Techniques you still want to miss the item? Find this book and also read it from today!

Natalia Burton:

In this particular era which is the greater man or woman or who has ability to do something more are more important than other. Do you want to become among it? It is just simple approach to have that. What you need to do is just spending your time very little but quite enough to get a look at some books. Among the

books in the top listing in your reading list is usually Fundamentals of Gas Reservoir Engineering. This book which can be qualified as The Hungry Inclines can get you closer in turning out to be precious person. By looking right up and review this book you can get many advantages.

Download and Read Online Fundamentals of Gas Reservoir Engineering By Jacques Hagoort #EG0H5SXMZ36

Read Fundamentals of Gas Reservoir Engineering By Jacques Hagoort for online ebook

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort 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 Fundamentals of Gas Reservoir Engineering By Jacques Hagoort books to read online.

Online Fundamentals of Gas Reservoir Engineering By Jacques Hagoort ebook PDF download

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort Doc

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort Mobipocket

Fundamentals of Gas Reservoir Engineering By Jacques Hagoort EPub

EG0H5SXMZ36: Fundamentals of Gas Reservoir Engineering By Jacques Hagoort