



# Enhanced Oil Recovery, II

## Processes and Operations

# Enhanced Oil Recovery II Processes And Operations

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Yen**



## **Enhanced Oil Recovery II Processes And Operations:**

**Enhanced Oil Recovery, II** E.C. Donaldson, G.V. Chilingarian, T.F. Yen, 1989-07-01 Written by foremost experts in the field and formulated with attention to classroom use for advanced studies in reservoir characterization and processes this book reviews and summarises state of the art progress in the field of enhanced oil recovery EOR All of the available techniques alkaline flooding surfactant flooding carbon dioxide flooding steam flooding in situ combustion gas injection miscible flooding microbial recovery and polymer flooding are discussed and compared Together with Volume I it presents a complete text on enhanced recovery technology and hence is an almost indispensable reference text This second volume complements the first by presenting as complete an analysis as possible of current oilfield theory and technology for accomplishment of maximum production of oil Many different processes have been developed and field tested for enhancement of oil recovery The emerging philosophy is that no single process is applicable to all petroleum reservoirs Each must be treated as unique and carefully evaluated for characteristics that are amenable to one or two of the proven technologies of EOR This book will aid the engineer in field evaluation and selection of the best EOR technology for a given oilfield Even the emerging technology of microbial applications to enhance oil recovery are reviewed and explained in terms that are easily understood by field engineers The book is presented in a manner suitable for graduate studies The only addition required of teachers is to supply example problems for class work An appendix includes a reservoir mathematic model and program for general application that can also be used for teaching

**Enhanced Oil Recovery** George V. Chilingarian, Erle C. Donaldson, Teh Fu Yen, 1989 **Enhanced Oil Recovery** Erle C. Donaldson, George V. Chilingar, Teh Fu Yen, 1989 Enhanced Oil Recovery, 1990 Basic Concepts in Enhanced Oil Recovery Processes M. Baviere, 1991

Dense Nonaqueous Phase Liquids, 1992 **The Chemistry and Technology of Petroleum** James G. Speight, 2014-02-26 With demand for petroleum products increasing worldwide there is a tendency for existing refineries to seek new approaches to optimize efficiency and throughput In addition changes in product specifications due to environmental regulations greatly influence the development of petroleum refining technologies These factors underlie the need for t SPE Reservoir Evaluation & Engineering, 2004 CJChE, 1998-02 The Journal of Canadian Petroleum Technology, 2003 Hybrid Enhanced Oil Recovery Processes for Heavy Oil Reservoirs Xiaohu Dong, Huiqing Liu, Zhangxing Chen, 2021-10-27 Hybrid Enhanced Oil Recovery Processes for Heavy Oil Reservoirs Volume 73 systematically introduces these technologies As the development of heavy oil reservoirs is emphasized the petroleum industry is faced with the challenges of selecting cost effective and environmentally friendly recovery processes This book tackles these challenges with the introduction and investigation of a variety of hybrid EOR processes In addition it addresses the application of these hybrid EOR processes in onshore and offshore heavy oil reservoirs including theoretical experimental and simulation approaches This book will be very useful for petroleum engineers technicians academics and students who need to study the

hybrid EOR processes In addition it will provide an excellent reference for field operations by the petroleum industry Introduces emerging hybrid EOR processes and their technical details Includes case studies to help readers understand the application potential of hybrid EOR processes from different points of view Features theoretical experimental and simulation studies to help readers understand the advantages and challenges of each process *Miscible Processes II*, 1985

**Synthetic Fuels Handbook** James Speight, 2020-07-22 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product A thoroughly revised all in one guide to synthetic and alternative energy This fully updated resource discusses the benefits and trade offs of numerous alternative fuels and contains complete coverage of the properties processes and performance characteristics of each fuel You will get detailed explanations of the concept systems and technologies involved in fuel production on both industrial and individual scales Written by internationally renowned fuels expert Dr James G Speight **Synthetic Fuels Handbook Properties Process and Performance Second Edition** contains the latest data and applications for gaseous liquid and solid fuels from a wide range of sources Covers fuels from Natural gas Crude oil Heavy oil Tar sand bitumen Coal Oil shale Biomass Crops Wood Domestic waste Industrial waste Landfill gas Synthesis gas **Proceedings**

, 1995 **Enhanced Oil Recovery: Processes and operations** Erle C. Donaldson, George V. Chilingarian, Teh Fu Yen, 1985 Geological Factors in Enhanced Oil Recovery Determination of Residual Oil Saturation Based on Geophysical Well Logging Techniques Gas Injection Miscible Flooding Carbon Dioxide Flooding Polymer Flooding Polyacrylamides Alkaline Flooding Use of Surfactants in Oil Recovery Steamflooding for Enhanced Oil Recovery Operational Aspects of Steam Injection Processes In situ Combustion Technology Microbial Enhanced Oil Recovery Evaluation and Monitoring of Enhanced Oil Recovery Projects Based on Geophysical Well Logging Techniques Environmental Factors Associated with Oil Recovery

*Enhanced Oil Recovery, EOR* National Petroleum Council, 1976 *Thermal Modeling of Petroleum Generation* Colin Barker, 1996 Petroleum exploration has always been limited by the lack of adequate subsurface control Exploration problems are usually problems of extrapolation i e to greater depth to laterally equivalent rocks or back through time Models are widely used as a way of describing complex geological systems so that they can be treated quantitatively and used as the basis for extrapolations and predictions Models consider typically a simplified geological system that can be described mathematically It is very important to know what simplifying assumptions have been made when these assumptions are valid and under what conditions their use may not be appropriate This requires an understanding of the concepts involved in building the model and how the model operates Models are best used as a tool for probing the system and evaluating the sensitivity of the conclusions to possible uncertainties in the values of the input parameters In a sense models permit experimental petroleum geochemistry and allow the user to answer the What if questions e g What if the geothermal gradient had been higher in the past What if the organic matter type had been different This book provides students exploration

geologists and others who would like to use the available models with a general idea of how the models work what they can do and what their limitations are It also provides the information necessary to obtain the input data required by the commercial models

**First Joint SPE/DOE Symposium on Enhanced Oil Recovery ,1980      Proceedings of the ...**  
**Wyoming Enhanced Oil Recovery Symposium ,1985      Oilfield Review ,1992**

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