1. Record Nr. UNISA996385278103316

Autore	Chauncy Charles <1592-1672.>
Titolo	The retraction of Mr. Charles Chancy formerly minister of Ware in Harfordshire [[electronic resource]] : wherein is proved the unlawfulnesse and danger of rayling in altars or communion tables : written with his own hand before his going to New England, in the yeer, 1637 : published by his own direction for the satisfaction of all such who either are, or justly might bee offended with his scandalous submission, made before the high commission court Feb. 11. anno, 1635
Pubbl/distr/stampa	London, : [s.n], 1641
Descrizione fisica	[8], 39 p
Soggetti	Lord's Supper
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Thomason Collection, British Library.
Sommario/riassunto	eebo-0158

2. Record Nr. UNINA9911019120503321

Titolo	Advanced petroleum reservoir simulation [[electronic resource] /] / M. Rafiqul Islam ... [et al.]
Pubbl/distr/stampa	Salem, Mass., : Scrivener Hoboken, N.J., : Wiley, c2010
ISBN	1-282-88347-X 9786612883477 1-61344-169-X 0-470-65067-2 0-470-65068-0
Descrizione fisica	1 online resource (490 p.)
Collana	Wiley-Scrivener ; ; v.40
Altri autori (Persone)	IslamM. Rafiqul
Disciplina	553.28015118 622.3382
Soggetti	Petroleum reserves - Mathematical models Petroleum reserves - Computer simulation Oil reservoir engineering - Mathematical models Oil reservoir engineering - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advanced Petroleum Reservoir Simulation; Contents; Foreword; Introduction; 1. Reservoir Simulation Background; 1.1 Essence of Reservoir Simulation; 1.2 Assumptions Behind Various Modeling Approaches; 1.3 Material Balance Equation; 1.3.1 Decline Curve; 1.3.2 Statistical Method; 1.3.3 Analytical Methods; 1.3.4 Finite Difference Methods; 1.3.5 Darcy's Law; 1.4 Recent Advances in Reservoir Simulation; 1.4.1 Speed and Accuracy; 1.4.2 New Fluid Flow Equations; 1.4.3 Coupled Fluid Flow and Geo-mechanical Stress Model; 1.4.4 Fluid Flow Modeling Under Thermal Stress 1.5 Future Challenges in Reservoir Simulation1.5.1 Experimental Challenges; 1.5.2 Numerical Challenges; 1.5.2.1 Theory of Onset and Propagation of Fractures Due to Thermal Stress; 1.5.2.2 2-D and 3-D Solutions of the Governing Equations; 1.5.2.3 Viscous Fingering During Miscible Displacement; 1.5.2.4 Improvement in Remote Sensing and

Monitoring Ability; 1.5.2.5 Improvement in Data Processing Techniques; 1.5.3 Remote Sensing and Real-time Monitoring; 1.5.3.1 Monitoring Offshore Structures; 1.5.3.2 Development of a Dynamic Characterization Tool (Based on Seismic-while-drilling Data)
1.5.3.3 Use of 3-D Sonogram1.5.3.4 Virtual Reality (VR) Applications; 1.5.3.5 Intelligent Reservoir Management; 1.6 Economic Models Based on Futuristic Energy Pricing Policies; 1.7 Integrated System of Monitoring, Environmental Impact and Economics; 2. Reservoir Simulator-input/output; 2.1 Input and Output Data; 2.2 Geological and Geophysical Modeling; 2.3 Reservoir Characterization; 2.3.1 Representative Elementary Volume, REV; 2.3.2 Fluid and Rock Properties; 2.3.2.1 Fluid Properties; 2.3.2.1.1 Crude Oil Properties; 2.3.2.1.2 Natural Gas Properties; 2.3.2.1.3 Water Content Properties
2.3.3 Rock Properties2.4 Upscaling; 2.4.1 Power Law Averaging Method; 2.4.2 Pressure-solver Method; 2.4.3 Renormalization Technique; 2.4.4 Multiphase Flow Upscaling; 2.5 Pressure/Production data; 2.5.1 Phase Saturations Distribution; 2.6 Reservoir Simulator Output; 2.7 History-matching; 2.7.1 History-matching Formulation; 2.7.2 Uncertainty Analysis; 2.7.2.1 Measurement Uncertainty; 2.7.2.2 Upscaling Uncertainty; 2.7.2.3 Model Error; 2.7.2.4 The Prediction Uncertainty; 2.8 Real-time Monitoring; 3. Reservoir Simulators: Problems, Shortcomings, and Some Solution Techniques
3.1 Multiple Solutions in Natural Phenomena3.1.1 Knowledge Dimension; 3.2 Adomian Decomposition; 3.2.1 Governing Equations; 3.2.2 Adomian Decomposition of Buckley-Leverett Equation; 3.2.3 Results and Discussions; 3.3 Some Remarks on Multiple Solutions; 4. Mathematical Formulation of Reservoir Simulation Problems; 4.1 Black Oil Model and Compositional Model; 4.2 General Purpose Compositional Model; 4.2.1 Basic Definitions; 4.2.2 Primary and Secondary Parameters and Model Variables; 4.2.3 Mass Conservation Equation; 4.2.4 Energy Balance Equation; 4.2.5 Volume Balance Equation
4.2.6 The Motion Equation in Porous Medium

Sommario/riassunto

Advanced Petroleum Reservoir Simulation Add precision and ease to the process of reservoir simulation. Until simulation software and other methods of reservoir characterization were developed, engineers had to drill numerous wells to find the best way to extract crude oil and natural gas. Today, even with highly sophisticated reservoir simulations software available, reservoir simulation still involves a great deal of guesswork. Advanced Petroleum Reservoir Simulation provides an advanced approach to petroleum reservoir simulation, taking the guesswork out of the process and re