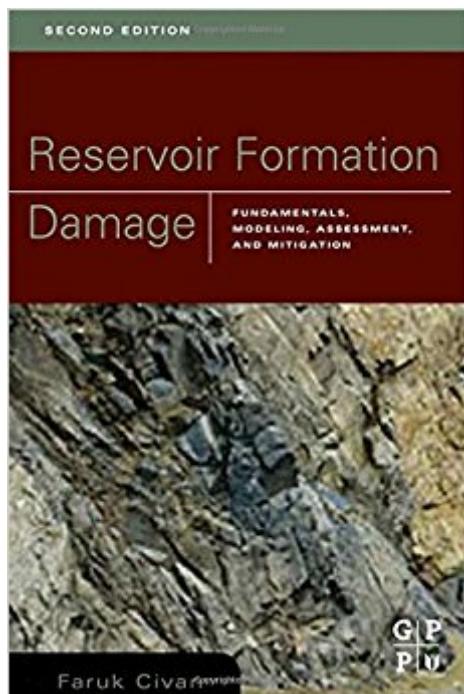


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Reservoir Formation Damage, Second Edition



Synopsis

Reservoir Formation Damage, Second edition is a comprehensive treatise of the theory and modeling of common formation damage problems and is an important guide for research and development, laboratory testing for diagnosis and effective treatment, and tailor-fit- design of optimal strategies for mitigation of reservoir formation damage. The new edition includes field case histories and simulated scenarios demonstrating the consequences of formation damage in petroleum reservoirs. Faruk Civan, Ph.D., is an Alumni Chair Professor in the Mewbourne School of Petroleum and Geological Engineering at the University of Oklahoma in Norman. Dr. Civan has received numerous honors and awards, including five distinguished lectureship awards and the 2003 SPE Distinguished Achievement Award for Petroleum Engineering Faculty. *Petroleum engineers and managers get critical material on evaluation, prevention, and remediation of formation damage which can save or cost millions in profits from a mechanistic point of view. *State-of-the-Art knowledge and valuable insights into the nature of processes and operational practices causing formation damage *Provides new strategies designed to minimize the impact of and avoid formation damage in petroleum reservoirs with the newest drilling, monitoring, and detection techniques

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Provides the latest findings and techniques for understanding, assessing, and mitigating reservoir formation damage

Faruk Civan is the Martin G. Miller Chair Professor of the Mewbourne School of Petroleum and Geological Engineering at the University of Oklahoma in Norman. He formerly held the Brian and Sandra O'Brien Presidential and Alumni Chair Professorships. Previously, he worked in the Chemical Engineering department at the Technical University of Istanbul, Turkey. Dr. Civan received an Advanced Engineering Degree from the Technical University of Istanbul, Turkey, a M.S. degree from the University of Texas at Austin, Texas, and a Ph.D. degree from the University of Oklahoma, Norman, Oklahoma. All of his degrees are in chemical engineering. Dr. Civan specializes in petrophysics and reservoir characterization; fossil and sustainable energy resources development; carbon sequestration; unconventional gas and condensate reservoirs; reservoir and well/pipeline hydraulics and flow assurance; formation and well damage modeling, diagnosis, assessment, and mitigation; reservoir and well analyses, modeling, and simulation; natural gas engineering, measurement, processing, hydrates, transportation, and storage; carbon dioxide sequestration; coalbed methane production; improved reservoir recovery techniques; corrosion protection in oil and gas wells; filtration and separation techniques; oil and gas processing, transportation, and storage; multiphase transport phenomena in porous media; environmental pollution assessment, prevention, and control; mathematical modeling and simulation, and solving differential equations by numerical methods including by the quadrature, cubature, and finite-analytic methods. Dr. Civan is the author of two books, has published more than 330 technical articles in journals, edited books, handbooks, encyclopedia, and conference proceedings, and presented worldwide more than 125 invited seminars and/or lectures at various technical meetings, companies, and universities. He teaches short industry courses on a number of topics worldwide. Additionally, he has written numerous reports on his funded research projects. Dr. Civan's publications have been cited frequently in various publications, as reported by the Science Author Citation Index. He is a member of the Society of Petroleum Engineers and the American Institute of Chemical Engineers. and a member of the editorial boards of several journals. He has served on numerous petroleum and chemical engineering, and other related conferences and meetings in various capacities, including as committee chairman and member, session organizer, chair or co-chair, and instructor. Civan has received 21 honors and awards, including five distinguished lectureship awards and the 2003 SPE Distinguished Achievement Award for Petroleum Engineering Faculty and the 2014 SPE Reservoir Description and Dynamics Award.

This book is written in a very professional way by a person who knows a lot about the exposed topic.

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