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| Autore | Green Don W |
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| Collana | SPE textbook series ; ; vol. 6 |
| Altri autori (Persone) | WillhiteG. Paul |
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| Soggetti | Secondary recovery of oil Petroleum industry and trade Electronic books. |
| 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 indexes. |
| Nota di contenuto | <p>""Introduction""; ""Preface""; ""Acknowledgments""; ""Contents""; ""1-Introduction to EOR Processes""; ""1.1 Definition of EOR""; ""1.2 Target Oil Resource for EOR Processes""; ""1.3 Idealized Characteristics of an EOR Process""; ""1.4 General Classifications and Description of EOR Processes""; ""1.5 Potential of the Different Processes""; ""1.6 Screening Criteria for Process Applicability""; ""1.7 Organization of the Textbook""; ""2-Microscopic Displacement of Fluids in a Reservoir""; ""2.1 Introduction""; ""2.2 Capillary Forces""; ""2.3 Viscous Forces""; ""2.4 Phase Trapping""</p> <p>""2.5 Mobilization of Trapped Phasesa€?Alteration of Viscous/Capillary Force Ratio""""3-Displacement in Linear Systems""; ""3.1 Introduction""; ""3.2 Waterflood Performancea€?Frontal-Advance Equations""; ""3.3 Viscous Waterflood in a Linear System""; ""3.4 Viscous Waterflood of a Linear System Initially at Interstitial Water Saturation""; ""3.5 Chemical Flooding in a Linear System""; ""3.6 Applications of the Chemical Flooding Model""; ""3.7 Displacement of Slugs""; ""3.8 Dispersion During Miscible Displacement""; ""3.9 Viscous Fingeringa€?Instability in Displacement Fronts""</p> <p>""4-Macroscopic Displacement of Fluids in a Reservoir""""4.1 Introduction""; ""4.2 Volumetric Displacement Efficiency and Material Balance""; ""4.3 Volumetric Displacement Efficiency Expressed as the</p> |

Product of Areal and Vertical Displacement Efficiencies"; "4.4
Definition and Discussion of Mobility Ratio"; "4.5 Areal Displacement
Efficiency"; "4.6 Vertical Displacement Efficiency"; "4.7 Volumetric
Displacement Efficiency"; "5-Mobility-Control Processes"; "5.1
Introduction"; "5.2 Process Description"; "5.3 Physical and Chemical
Characteristics of Polymers"
"5.4 Flow of Polymers Through Porous Media""5.5 Polymer-
Augmented Waterflood"; "5.6 In-Situ Permeability Modification"; "5.7
Field Experience"; "5.8 Mobility Control To Maintain Chemical Slug
Integrity"; "5.9 Foam as an EOR Agent"; "5.10 WAG Process"; "6-
Miscible Displacement Processes"; "6.1 Introduction"; "6.2 General
Description of Miscible Displacement"; "6.3 Principles of Phase
Behavior Related to Miscibility"; "6.4 FCM Process"; "6.5 MCM
Process"; "6.6 Experimental Verification of the Role of Phase Behavior
in Miscible Displacement"
"6.7 Measurement and Prediction of the MMP or MME in a Multiple-
Contact Process""6.8 Fluid Properties in Miscible Displacement"; "6.9
Factors Affecting Microscopic and Macroscopic Displacement Efficiency
of Miscible Processes"; "6.10 Miscible Displacement Performance
Modeling"; "6.11 Design Procedures and Criteria"; "6.12 Field
Experience"; "7-Chemical Flooding"; "7.1 Introduction"; "7.2
Description of the Micellar/Polymer Process"; "7.3 Surfactants"; "7.4
Phase Behavior of Microemulsions"; "7.5 Phase Behavior and IFT"
"7.6 Variables Affecting Phase Behavior and IFT"
