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Titolo	Enhanced Oil Recovery : selected topics // edited by Badie I. Morsi and Hseen O. Baled
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Descrizione fisica	1 online resource (x, 198 pages) : illustrations
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Nota di contenuto	1. Introductory Chapter: Enhanced Oil Recovery -- 2. Carbon Dioxide-Oil Minimum Miscibility Pressure Methods Overview -- 3. Miscible Displacement Oil Recovery -- 4. Minimum Miscibility Pressure, Miscible Displacement, CO2 Capture, and Injection -- 5. An Overview of Natural Surfactant Application for Enhanced Oil Recovery -- 6. Improving the Heavy Oil Recovery by Surfactants from Wastes -- 7. Chemical Enhanced Oil Recovery: Where Do We Stand? Recent Advances and Applications -- 8. Rock Lithology-Based Laboratory Protocols and Best Practices for Polymer Screening for EOR Application in Conventional and Harsh Reservoirs -- 9. Microbial Enhanced Oil Recovery: An Overview and Case Studies.
Sommario/riassunto	Enhanced Oil Recovery - Selected Topics includes nine chapters in five sections. Chapters address enhanced oil recovery (EOR) processes, such as miscible flooding, surfactants flooding, polymers flooding, and microbial flooding. They also present fundamental and technical details along with case studies. This book provides ample and useful knowledge for the design of laboratory-scale and field-scale EOR processes. It is a useful resource for practitioners working in oil field production applications and graduate students pursuing advanced degrees in petroleum engineering.