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MICROBIAL CORROSION; 3.6 CORROSION INHIBITION BY BACTERIA
 3.7 MICROBIAL CORROSION CONTROL REFERENCES AND BIBLIOGRAPHY;
 CHAPTER 4. CORROSION CONTROL AND DETECTION; 4.1
 INTRODUCTION TO CORROSION CONTROL; 4.2 CATHODIC
 PROTECTION; 4.3 CONDITIONS FOR THE STEADY STATE OR LIMITING
 CORROSION RATE; 4.4 INHIBITORS AND PASSIVATORS; 4.5 COATING;
 4.6 DETECTION OF CORROSION; 4.7 MEASUREMENT OF CORROSION;
 4.8 NONDESTRUCTIVE TEST METHODS; REFERENCES AND
 BIBLIOGRAPHY; CHAPTER 5. CASING AND PIPELINE CORROSION; 5.1
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 MAGNESITE AND MIXTURE OF THESE CARBONATES; 6.6 RELATIVE
 PERMEABILITY CONCEPTS; 6.7 SCALE INHIBITION; REFERENCES AND
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 INJECTION; 7.10 REMOVAL OF DISSOLVED GASES; 7.11 EQUIPMENT
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 MIXING AND FEED EQUIPMENT; REFERENCES AND BIBLIOGRAPHY;
 CHAPTER 8. ECONOMICS OF CORROSION; 8.1 INTRODUCTION; 8.2
 DIRECT AND INDIRECT COST OF CORROSION; 8.3 MAJOR INDUSTRIAL
 CATEGORIES OF CORROSION COSTS; 8.4 CORROSION-CONTROL
 ECONOMICS AND PREVENTIVE METHODS; 8.5 GALVANIC VERSUS
 IMPOSED DIRECT ELECTRICAL CURRENT IN CATHODIC PROTECTION;
 REFERENCES AND BIBLIOGRAPHY
 APPENDIX A: SAMPLE PROBLEMS AND QUESTIONS

Sommario/riassunto

The wettability of oil reservoirs is the most important factor controlling the rate of oil recovery, providing a profound effect on petroleum production. The petroleum industry has increased the research effort on wettability, but, so far, there has never been a comprehensive book on the topic. This is the first book to go through all of the major research and applications on wettability, capillary pressure and improved recovery. Critical topics including core preservation, the effect of wettability on relative permeability, surface forces such as van der Waals equation of state

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