

1. Record Nr.	UNISA996205196503316
Autore	Donaldson Erle C
Titolo	Wettability [[electronic resource]]
Pubbl/distr/stampa	Burlington, : Elsevier Science, 2013
ISBN	0-12-799990-6 1-60119-631-8
Descrizione fisica	1 online resource (295 p.)
Altri autori (Persone)	AlamWaqi
Disciplina	547.83 547/.83
Soggetti	Wetting Chemistry Physical Sciences & Mathematics Physical & Theoretical Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front Cover; The Fundamentals of Corrosion and Scaling for Petroleum and Environmental Engineers; Copyright Page; DEDICATION; Table of Contents; ACKNOWLEDGMENTS; PREFACE; FOREWORD; CHAPTER 1. INTRODUCTION TO CORROSION; 1.1 INTRODUCTION; 1.2 DEFINITION OF CORROSION; 1.3 INTRODUCTION TO ELECTROCHEMISTRY; 1.4 CORROSION AGENTS IN DRILLING AND PRODUCING OPERATIONS; 1.5 REQUIREMENTS FOR ELECTROCHEMICAL CORROSION; 1.6 CHEMISTRY OF CORROSION AND ELECTROMOTIVE FORCE SERIES; 1.7 GALVANIC SERIES; 1.8 CORROSION OF STEEL; 1.9 GASEOUS CORRODANTS; 1.10 CATHODIC PROTECTION; 1.11 ROLE OF BACTERIA IN CORROSION 1.12 CORROSION IN GAS-CONDENSATE WELLS1.13 CORROSION RATE MEASUREMENT UNITS; REFERENCES AND BIBLIOGRAPHY; CHAPTER 2. TYPES OF CORROSION; 2.1 INTRODUCTION; 2.2 SWEET CORROSION; 2.3 SOUR CORROSION; 2.4 CLASSES OF CORROSION; 2.5 TYPES OF CRACKING IN DRILLING AND PRODUCING ENVIRONMENTS; REFERENCES AND BIBLIOGRAPHY; CHAPTER 3. MICROBIAL CORROSION; 3.1 INTRODUCTION; 3.2 MICROBES ASSOCIATED WITH OILFIELD CORROSION; 3.3 MICROBIAL INTERACTION WITH PRODUCED OIL; 3.4 MICROORGANISMS IN CORROSION; 3.5 DIFFERENT MECHANISMS OF

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
INTRODUCTION; 5.2 TYPES OF CASING; 5.3 CORROSION OF STEEL; 5.4
PROTECTION OF CASING FROM CORROSION; 5.5 INTERACTION OF OLD
WITH NEW PIPELINE
REFERENCES AND BIBLIOGRAPHY
CHAPTER 6. SCALING; 6.1 HARDNESS
AND ALKALINITY; 6.2 MINERAL SCALES; 6.3 PREDICTION OF SCALE
FORMATION; 6.4 SOLUBILITIES OF VARIOUS SULFATES AND
CARBONATES; 6.5 SOLUBILITY OF CALCITE, DOLOMITE, AND
MAGNESITE AND MIXTURE OF THESE CARBONATES; 6.6 RELATIVE
PERMEABILITY CONCEPTS; 6.7 SCALE INHIBITION; REFERENCES AND
BIBLIOGRAPHY; CHAPTER 7. WATER QUALITY CONTROL; 7.1
INTRODUCTION; 7.2 INJECTION SUITABILITY; 7.3 CORROSION; 7.4 USE
OF SEAWATER FOR INJECTION PURPOSES; 7.5 SELECTION OF WATER
INTAKE LOCATION; 7.6 DESIGN OF WATER INTAKE
7.7 TEST METHODS USED IN WATERFLOODING OPERATIONS
7.8 COPRA
CORRELATION; 7.9 PREPARATION OF WATER FOR SUBSURFACE
INJECTION; 7.10 REMOVAL OF DISSOLVED GASES; 7.11 EQUIPMENT
CONSIDERATIONS; 7.12 DEGASSING EQUIPMENT; 7.13 CHEMICAL
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

2. Record Nr.	UNICAST00052750
Titolo	Femmes, mariages-lignages : 12.-14. siècles : mélanges offerts à Georges Duby
Pubbl/distr/stampa	Bruxelles, : De Boeck Université, 1992
ISBN	2804115429
Descrizione fisica	470 p., [6] c. di tav. : ill. ; 25 cm
Collana	Bibliothèque du Moyen Âge ; 1
Disciplina	305.420902
Soggetti	Donna - Posizione sociale - Sec. 12.-14 Matrimonio - Sec. 12.-14
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia