

Bulletin

1970

this 2000 book provides an introduction to the nature occurrence physical properties propagation and uses of surfactants in the petroleum industry

Surfactants

2000-03-23

the last three chapters of this book deal with application of methods presented in previous chapters to estimate various thermodynamic physical and transport properties of petroleum fractions in this chapter various methods for prediction of physical and thermodynamic properties of pure hydrocarbons and their mixtures petroleum fractions crude oils natural gases and reservoir fluids are presented as it was discussed in chapters 5 and 6 properties of gases may be estimated more accurately than properties of liquids theoretical methods of chapters 5 and 6 for estimation of thermophysical properties generally can be applied to both liquids and gases however more accurate properties can be predicted through empirical correlations particularly developed for liquids when these correlations are developed with some theoretical basis they are more accurate and have wider range of applications in this chapter some of these semitheoretical correlations are presented methods presented in chapters 5 and 6 can be used to estimate properties such as density enthalpy heat capacity heat of vaporization and vapor pressure characterization methods of chapters 2 4

are used to determine the input parameters needed for various predictive methods one important part of this chapter is prediction of vapor pressure that is needed for vapor liquid equilibrium calculations of chapter 9

Characterization and Properties of Petroleum Fractions

2005

this volume provides a comprehensive overview for recognizing and producing the characteristics of successful special surfactant agents it highlights one of the most versatile and effective surface active surfactant agents detailing the synthesis and production chemical properties and behaviours and application for alkyl polyglucosides

API Recommended Practice

1988

quot this comprehensive single source gives you the latest findings and techniques for understanding assessing and mitigating reservoir formation damage reservoir formation damages is a concise and practical reference for engineers scientists and operators engaged in various aspects of formation damage including testing evaluation diagnosis prediction and mitigation book jacket it is the only book in the world to draw from the key disciplines of chemistry engineering petrophysics geology and mathematical modeling to provide state of the art knowledge and valuable insights into formation damage

Nonionic Surfactants

2000-07-12

determining the composition and properties of complex hydrocarbon mixtures in petroleum synthetic fuels and petrochemical products usually requires a battery of analytical techniques that detect and measure specific features of the molecules such as boiling point mass nuclear magnetic resonance frequencies etc there have always been a need for new and improved analytical technology to better understand hydrocarbon chemistry and processes this book provides an overview of recent advances and future challenges in modern analytical techniques that are commonly used in hydrocarbon applications experts in each of the areas covered have reviewed the state of the art thus creating a book that will be useful to readers at all levels in academic industry and research institutions

Reservoir Formation Damage

2000

hydraulic fracturing effectively busts the myths associated with hydraulic fracturing it explains how to properly engineer and optimize a hydraulically fractured well by selecting the right materials evaluating the economic benefits of the project and ensuring the safety and success of the people environment and equipment from data estimation

Analytical Advances for Hydrocarbon Research

2012-12-06

this book treats corrosion as it occurs and affects processes in real world situations and thus points the way to practical solutions topics described include the conditions in which petroleum products are corrosive to metals corrosion mechanisms of petroleum products which parts of storage tanks containing crude oils and petroleum products undergo corrosion dependence of corrosion in tanks on type of petroleum products aggressiveness of petroleum products to polymeric material how microorganisms take part in corrosion of tanks and pipes containing petroleum products which corrosion monitoring methods are used in systems for storage and transportation of petroleum products what corrosion control measures should be chosen how to choose coatings for inner and outer surfaces of tanks containing petroleum products and how different additives oxygenates aromatic solvents to petroleum products and biofuels influence metallic and polymeric materials the book is of interest to corrosion engineers materials engineers oil and gas engineers petroleum engineers chemists chemical engineers mechanical engineers failure analysts scientists and students designers of tanks pipelines and other systems for storage and transportation fuels technicians the book is of interest to corrosion engineers materials engineers oil and gas engineers petroleum engineers chemists chemical engineers mechanical engineers failure analysts scientists and students designers of tanks pipelines and other systems for storage and transportation fuels technicians the book is of interest to corrosion engineers materials engineers oil and gas engineers petroleum engineers chemists chemical engineers mechanical engineers failure analysts scientists and students designers of tanks pipelines and other systems for storage and transportation fuels technicians

Hydraulic Fracturing

2015-12-16

annotation this new handbook is designed to give a complete comprehensive overview of field development and well production providing a wealth of practical information it is intended as a reference guide for petroleum engineers and oilfield operators yet also provides readily available solutions to practical problems the user will find the guidelines recommendations formulas and charts currently in use as it covers most of the cases encountered in the field even when a problem has been contracted out to a service company reference to this handbook will help the oilfield manager to better monitor outsourced work and current operations the handbook also introduces the new techniques of well production horizontal and multilateral wells heavy oil production etc many examples are given throughout to facilitate the use of the formulas also measurements are frequently expressed in both metric and u s units the symbols used for these units conform to the recommendations of the spe board of directors this publication will therefore serve both as a guide and as a handbook in which the operator will find answers to his questions along with quick and easy solutions to most of the problems that occur in field development contents general data casing and tubing coiled tubing packers pressure losses fundamentals of petroleum reservoirs well productivity formation damage control sand control stimulation horizontal and multilateral wells water management heavy oil production enhanced oil recovery artificial lift beam pumping and other reciprocating rod pumps gas lift electric submersible pumps progressing cavity pumps hydraulic pumping multiphase pumping and metering deposit treatment well servicing cased hole logging and imaging financial formulas for investment decisions list of standards for petroleum production glossary index

Directory

2014-02-17

this book discusses the fundamental skills techniques and tools of auditing and the characteristics of a good process safety management system a variety of approaches are given so the reader can select the best methodology for a given audit this book updates the original ccps auditing guideline project since the implementation of osha psm regulation and is accompanied by an online download featuring checklists for both the audit program and the audit itself this package offers a vital resource for process safety and process development personnel as well as related professionals like insurers

Corrosion in Systems for Storage and Transportation of Petroleum Products and Biofuels

1989

issues in chemical engineering and other chemistry specialties 2013 edition is a scholarly editions book that delivers timely authoritative and comprehensive information about chemical modeling the editors have built issues in chemical engineering and other chemistry specialties 2013 edition on the vast information databases of scholarly news you can expect the information about chemical modeling in this book to be deeper than what you can access

La liaison couche-trou

2000

intermediate foundations are used as anchors for floating platforms and ancillary structures foundations for steel jackets and to support seafloor equipment and offshore wind turbines when installed by suction they are an economical alternative to piling and also may be completely removed they are usually circular in plan and are essentially rigid when laterally loaded length to diameter embedment ratios l/d generally vary between 0.5 and 10 spanning the gap between shallow and deep foundations although these are indicative boundaries and the response rather than the embedment ratio defines an intermediate foundation the first chapters introduce foundation types compare shallow intermediate and deep foundation models and design define unique design issues that make intermediate foundations distinct from shallow and deep foundations as well as list their hazards that mainly occur during installation later chapters cover installation in place resistance and in place response and miscellaneous design considerations there is no general agreement as to which design methods models are appropriate so models should only be as accurate as the data therefore several reasonably accurate models are provided together with comprehensive discussion and advice example calculations and over 200 references are also included this is the first book dedicated to the geotechnical design of intermediate foundations and it will appeal to professional engineers specialising in the offshore industry

Well Production Practical Handbook

2011-11-30

the book highlights the most important research areas in ict their impact on e society environment sustainable development namely analytics security geoinformation systems and mathematical modeling the studies contain a discussion on artificial intelligence in various spheres of society practical implementation of the iot geoinformation systems and remote sensing of the earth the book focuses on improving services providing system architecture for sdn forecasting social and environment sustainable development based on global information space a new approach to radio electronics systems for the novel cloud infrastructure implementation the results are used for novel systems and to promote new approaches for e societies the book offers a valuable resource for specialists of r d organizations the management of state administration who are involved in sustainable society development professors university lecturers ph d students and bachelor and master degree students

Guidelines for Auditing Process Safety Management Systems

1983

a comprehensive and detailed reference guide on the integrity and safety of oil and gas pipelines both onshore and offshore covers a wide variety of topics including design pipe manufacture pipeline welding human factors residual stresses mechanical damage fracture and corrosion protection inspection and monitoring pipeline cleaning direct

assessment repair risk management and abandonment links modern and vintage practices to help integrity engineers better understand their system and apply up to date technology to older infrastructure includes case histories with examples of solutions to complex problems related to pipeline integrity includes chapters on stress based and strain based design the latter being a novel type of design that has only recently been investigated by designer firms and regulators provides information to help those who are responsible to establish procedures for ensuring pipeline integrity and safety

Safety and Offshore Oil

2013-05-01

pipng and valve engineers rely on common industrial standards for selecting and maintaining valves but these standards are not specific to the subsea oil and gas industry subsea valves and actuators for the oil and gas industry delivers a needed reference to go beyond the standard to specify how to select test and maintain the right subsea oil and gas valve for the project each chapter focuses on a specific type of valve with a built in structured table on valve selection helping guide the engineer to the most efficient valve covering subsea specific protection the reference also gives information on high pressure protection systems hipps and discusses corrosion management within the subsea sector such as hydrogen induced stress cracking corrosion hisc additional benefits include understanding the concept of different safety valves in subsea selecting different valves and actuators located on subsea structures such as christmas trees manifolds and hipps modules with a full detail review including sensors logic solver and solenoid which is designed to save cost and improve the reliability in the subsea system rounding out with chapters on factory

acceptance testing fat and high integrity pressure protection systems hipps subsea valves and actuators for the oil and gas industry gives subsea engineers and managers a much needed tool to better understand today s subsea technology understand practical information about all types of subsea valves and actuators with over 600 visuals and several case studies learn and review the applicable standards and specifications from api and iso in one convenient location protect your assets with a high pressure protection system hipps and subsea specific corrosion management including hydrogen induced stress cracking corrosion hisc

Heavy Duty Rotating Equipment

1977

Issues in Chemical Engineering and other Chemistry Specialties: 2013 Edition

1978

Catalog of Copyright Entries. Third Series

1978

Books and Pamphlets, Including Serials and Contributions to Periodicals

2021-11-20

*Catalogue of Title-entries of Books and Other Articles Entered in the Office of the Librarian of Congress, at Washington, Under the Copyright Law ...
Wherein the Copyright Has Been Completed by the Deposit of Two Copies in the Office*

1997

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1988

Proceedings

1992

API Bulletin

2021-06-20

Pipeline Accident Report

1997

ONGC Bulletin

1994

Intermediate Offshore Foundations

2023-12-19

Proceedings : Western Regional Meeting

2005

Process and Chemical Engineering

1992

Information and Communication Technologies and Sustainable Development

1967

Publications, Programs & Services

1994-04

Nondestructive Testing Standards--present and Future

1983

Dictionary Catalog of the Department Library

1951

Petroleum Abstracts

2015-04-20

API Recommended Practices for Standard Procedures for Evaluation of
Hydraulic Fracturing Fluids

2021-05-29

Progress in Petroleum Technology

1993

Oil and Gas Pipelines

1977-08

Subsea Valves and Actuators for the Oil and Gas Industry

1998

API Specification

Federal Register

SPE Production & Facilities

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