



Design of Alkali-Surfactant-Polymer Flooding for Enhanced Oil Recovery

By Abhijit Samanta

LAP Lambert Academic Publishing Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x10 mm. This item is printed on demand - Print on Demand Neuware - A detailed investigation has been made on interfacial and rheological properties of alkali, polymer and surfactant system. The experimental data on physico-chemical properties were analyzed to find an optimum formulation of different chemicals for ASP flooding.

Experimentally it has been found that the surface tension and rheological behavior of surfactants and polymers solutions are significantly influenced by salts and alkalis. A new eco- friendly surfactant was extracted from soap nut and derivative of SDS was synthesized and their interfacial properties for chemical flooding are very much attracting. The additional recovery of oil over water flooding was ~19% with natural surfactant-polymer and ~24% when only alkali-natural surfactant-polymer was used. A series of flooding experiments were conducted through Sand Pack with different composition of alkali, surfactant and polymer. Different sets of ASP flooding gives the additional oil recovery ~23-31% over water flooding. SDS derivative gives additional oil recovery ~31% using very small concentration of surfactant whereas this result gives comparatively at higher concentration of SDS solution. 160 pp. Englisch.



READ ONLINE
[2.39 MB]

Reviews

This ebook can be worthy of a read, and much better than other. I have read and i am certain that i am going to planning to go through again once again in the future. You may like just how the writer compose this book.

-- **Mr. Grant Stanton PhD**

A whole new eBook with an all new standpoint. It is actually rally fascinating throug reading through time period. You wont truly feel monotony at anytime of your own time (that's what catalogues are for relating to when you request me).

-- **Claire Bartell**

See Also



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



Aeschylus

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 260 pages. Dimensions: 8.0in. x 5.0in. x 0.6in. This Translation of Aeschylus, an entirely new one, is designed as an Appendix to my edition of that Poet in the Bibliotheca...



Yearbook Volume 15

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without...



Carmilla

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. Carmilla is a Gothic novella by Joseph Sheridan Le Fanu. First published in 1872, it tells the story of a...



Memoirs of Robert Cary, Earl of Monmouth

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 142 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. The Author of the Memoirs. The Memoirs here presented to the reader may be said to combine every interest which can attach to...
