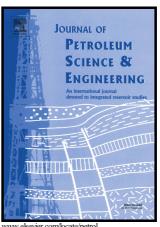
## Author's Accepted Manuscript

Wettability Alteration and Oil Recovery by Spontaneous Imbibition of Low Salinity Brine into Carbonates: Impact of Mg<sup>2+</sup>, SO<sub>4</sub><sup>2-</sup> and Cationic Surfactant

Mahvash Karimi, Rashid S. Al-Maamari, Shahab Ayatollahi, Nasir Mehranbod



PII: S0920-4105(16)30371-0

DOI: http://dx.doi.org/10.1016/j.petrol.2016.09.015

Reference: PETROL3622

Journal of Petroleum Science and Engineering To appear in:

Received date: 1 May 2016 Revised date: 1 June 2016

Accepted date: 11 September 2016

Cite this article as: Mahvash Karimi, Rashid S. Al-Maamari, Shahab Ayatollah and Nasir Mehranbod, Wettability Alteration and Oil Recovery by Spontaneous Imbibition of Low Salinity Brine into Carbonates: Impact of Mg<sup>2+</sup>, SO<sub>4</sub><sup>2-</sup> an Surfactant, Journal of Petroleum Science and Engineering Cationic http://dx.doi.org/10.1016/j.petrol.2016.09.015

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

#### **ACCEPTED MANUSCRIPT**

### Wettability Alteration and Oil Recovery by Spontaneous Imbibition of Low Salinity Brine into Carbonates: Impact of Mg<sup>2+</sup>, SO<sub>4</sub><sup>2-</sup> and Cationic Surfactant

Mahvash Karimi<sup>a</sup>, Rashid S. Al-Maamari<sup>a,\*</sup>, Shahab Ayatollahi<sup>b</sup> and Nasir Mehranbod<sup>c</sup>

E-mail address: rsh@squ.edu.om

<sup>&</sup>lt;sup>a</sup> Petroleum and Chemical Engineering Department, Sultan Qaboos University, Muscat, Oman.

Accepted manuscrip <sup>b</sup> School of Petroleum and Chemical Engineering, Sharif University of Technology, Tehran, Iran

<sup>&</sup>lt;sup>c</sup> School of Chemical and Petroleum Engineering, Shiraz University, Shiraz, Iran

<sup>\*</sup> Corresponding author at: Department of Petroleum and Chemical Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman. Tel.: +96824141361.

#### Download English Version:

# https://daneshyari.com/en/article/8125789

Download Persian Version:

https://daneshyari.com/article/8125789

<u>Daneshyari.com</u>