



**The Society of
Petrophysicists and
Well Log Analysts**

8866 Gulf Freeway, Suite 320
Houston, TX 77017, USA
P: +1-713-947-8727
F: +1-713-947-7181
Email: Sharon@spwla.org
Membership@spwla.org
www.SPWLA.org

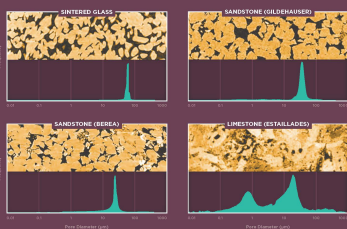
ISSN: 1529-9074

PETROPHYSICS

THE SPWLA JOURNAL OF FORMATION EVALUATION RESERVOIR DESCRIPTION

BEST OF 2013 SCA SYMPOSIUM

μ CT Scans and Pore-Size Distribution



Vol. 55, No. 4



August 2014

About the Cover

μ CT scans (top row), pore-size distribution (Hg-air) of sintered glass, sandstone rock and limestone (bottom row), from the Paper by Berg et al.

PETROPHYSICS

August 2014, Vol. 55, No. 4

Contents

- 276 From the President
- 278 Calendar of Events
- 282 From the Editor
- 284 Letter to the Editor
- 286 Call for Abstracts

BEST OF 2013 SCA SYMPOSIUM

- 287 **Drainage Three-Phase Flow Relative Permeability on Oil-Wet Carbonate Reservoir Rock Types: Experiments, Interpretation and Comparison with Standard Correlations**
P. Egermann, K. Mejdoub, J.-M. Lombard, O. Vizika and Z. Kalam
- 294 **Direct Hydrodynamic Simulation of Multiphase Flow in Porous Rock**
D. Koroteev, O. Dinariev, N. Evseev, D. Klemin, A. Nadeev, S. Safonov, O. Gурpinar, S. Berg, C. van Kruijsdijk, R. Armstrong, M. T. Myers, L. Hathon and H. de Jong
- 304 **Multiphase Flow in Porous Rock Imaged Under Dynamic Flow Conditions with Fast X-Ray Computed Microtomography**
S. Berg, R. Armstrong, H. Ott, A. Georgiadis, S. A. Klapp, A. Schwing, R. Neiteler, N. Brussee, A. Makurat, L. Leu, F. Enzmann, J.-O. Schwarz, M. Wolf, F. Khan, M. Kersten, S. Irvine and M. Stapanoni
- 313 **Impact of Wettability on Residual Oil Saturation and Capillary Desaturation Curves**
K. J. Humphry, B. M. J. M. Suijkerbuijk, H. A. van der Linde, S. G. J. Pieterse and S. K. Masalmeh

REGULAR CONTRIBUTIONS

- 319 **Dielectric Permittivity: A Petrophysical Parameter for Shales**
Matthew Josh
- 333 **Petrophysical Analysis of Siliceous-Ooze Sediments, Møre Basin, Norwegian Sea**
Ahmed Awadalkarim, Morten Kanne Sørensen and Ida Lykke Fabricius

IN THE SOCIETY

- 349 Chapter News
- 353 Instructions to Author

The Society of Petrophysicists and Well Log Analysts is dedicated to the advancement of the science of formation evaluation through well logging and other formation evaluation techniques. SPWLA is dedicated to the application of these techniques, to the exploration and exploitation of gas, oil and other minerals. PETROPHYSICS publishes original contributions on theoretical and applied aspects of formation evaluation; particularly well logging and petrophysics.

Editor
Oliver C. Mullins
Schlumberger Doll Research
+1-713-240-8703
mullins1@slb.com

Managing Editor
Stephen Prenskey
+1-301-593-4966
steve@sprenskey.com

Publication Manager
Anna Tarlton
InkSpot Printing
2301 S. Shaver
Pasadena, TX 77502, USA
+1-713-472-1100
orders@inkspotprinting.com