The journal is abstracted and/or indexed in Current Contents, Science Citation Index, GeoArchive, GeoRef, Geobase, Petroleum Abstracts, Geological Abstracts, Mineralogical Abstracts and Cambridge Scientific Abstracts

CONTENTS – Volume 21, No 1

Fault baffle to conduit developments: reactivation and calcite cementation of deformation band fault in aeolian sandstone
E Skurtveit, A Torabi, R Alikarami & A Braathen 3

Regional variation in Cretaceous mudstone compaction trends across Haltenbanken, offshore mid-Norway
A M P Cicchino, C Sargent, N R Goulty & A M Ramdhan 17

Creation of pre-oil-charging porosity by migration of source rock-derived corrosive fluids through carbonate reservoirs: one-dimensional reactive mass transport modelling
W van Berk, Y Fu & H-M Schulz 35

Understanding the impact of open-framework conglomerates on water–oil displacements: the Victor interval of the Ivishak Reservoir, Prudhoe Bay Field, Alaska
N I Gershenzon, M Soltanian, R W Ritzi Jr & D F Dominic 43

Sedimentology and reservoir properties of tabular and erosive offshore transition deposits in wave-dominated, shallow-marine strata: Book Cliffs, USA
C H Eide, J A Howell & S J Buckley 55

The calculation and characteristic of elemental sensitivity factor in geochemical logging
W Wu, A Yue, M Tong, L Luo & W Niu 74

Chief Editor:
P A F Christie, Schlumberger Gould Research, UK
(e-mail: pafc1@slb.com)

Co-Editors:
S Geiger, Heriot Watt University, Edinburgh, UK
(e-mail: sebastian.geiger@pet.hw.ac.uk)
B Level, Oxford University, UK
(e-mail: Bruce.Levell@earth.ox.ac.uk)
J R Underhill, Heriot Watt University, Edinburgh, UK
(e-mail: john.underhill@pet.hw.ac.uk)
G Yielding, Badley Geoscience Ltd, UK
(e-mail: graham@badleys.co.uk)

Production Editor:
S Oberst, Geological Society Publishing House, Bath
(e-mail: sally.oberst@geolsoc.org.uk)

To advertise in Petroleum Geoscience contact:
Ollie Kirkman
Tel: +44 (0) 1727 739193;
e-mail: ollie@centuryonepublishing.ltd.uk

Petroleum Geoscience (ISSN 1354-0793) is published in February, May, August and November by the Geological Society Publishing House for the Geological Society, London and the European Association of Geoscientists and Engineers.

Subscription rates 2015 (volume 21, 4 parts)
All correspondence relating to trade subscriptions should be addressed to the Journal Subscription Department, Geological Society Publishing House, Unit 7, Brassmill Enterprise Centre, Brassmill Lane, Bath, UK, BA1 3JN (Tel: +44 (0) 1225 445046; Fax: +44 (0) 1225 442836; e-mail: sales@geolsoc.org.uk). The subscription prices for 2015 to institutions and non-fellows is PG Online £495.60 (UK/EU), £413.00/$826.00 (overseas); PG Online + print £585.83 (UK/EU), £499.00/$998.00 (overseas). More information can be found on http://www.geolsoc.org.uk/LyellCollection.

© The Geological Society of London and EAGE 2015. No reproduction, copy or transmission of all or part of this publication may be made without the prior written permission of the publisher. In the UK, users may clear copying permissions and make payment to The Copyright Licensing Agency Ltd, Saffron House, 6–10 Kirby Street, London EC1N 8TS, UK, and in the USA to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Other countries may have a local reproduction rights agency for such payments. Full information on the Geological Society’s permissions policy can be found at www.geolsoc.org.uk/permissions

Publishing disclaimer: www.geolsoc.org.uk/pub_ethics

Cover image
The linked depositional environments (turbidite lobes and channels, prodelta slope, shoreface, and coastal plain) of the Marcos Shale, Blackhawk Formation and Castlegate Sandstone in Hatch Mesa in the Book Cliffs. Eide et al. 2015, Petroleum Geoscience, 21, 55–73).

Photographer: Chris Eide