

# Petroleum Geoscience

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*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 2014 (volume 20, 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 2013 to institutions and non-fellows is PG Online £477.60 (UK/EU), £398.00/\$796.00 (overseas); PG Online + print £549.43 (UK/EU), £468.00/\$936.00 (overseas). More information can be found on <http://www.geolsoc.org.uk/LyellCollection>.

Periodical postage paid at Middlesex, N.J.  
Postmaster: send address changes to *Petroleum Geoscience*, The Geological Society, c/o Pronto Mailers, PO Box 177, Middlesex, NJ 08846.

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#### **Cover image**

Photomicrograph of a well-core sample from an Upper Shu'aiba (Lower Cretaceous) oil reservoir in northwestern Oman, representing one of the reservoir rock types defined in the article by Al-Tooqi *et al.* (*Petroleum Geoscience*, 20 (4), 339–352). This well-sorted grainstone, from 1.3 km depth, has helium porosity of 26% and gas permeability of 782 mD. Blue areas are mainly primary intergranular pores. Isopachous calcite cement covers most pore surfaces, and sytaxial calcite cement (white areas) surrounds echinoderm fragments. Peloids and bioclasts of algae and small benthic foraminifers, many with single coatings of fibrous marine cement, are also present. The field of view is 1.5 mm wide.