

# 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 2016 (volume 22, 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](mailto:sales@geolsoc.org.uk)). The subscription prices for 2016 are as follows: online only £440 + VAT for UK, EU and ROW users; online + print £529 + VAT for UK, EU and ROW users. More information about subscription prices can be found at [www.geolsoc.org.uk/lcaccess](http://www.geolsoc.org.uk/lcaccess)

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

Plaster-silicone polymer experiment from a series of experiments designed to investigate the mechanisms and dynamics of vertical and horizontal fault segment linkage in a mechanically stratified sediment sequence (see paper Gabrielsen *et al.* 2016, *Petroleum Geoscience*, **22**, 123–135). Note composite geometry of the master fault and the contrast in fault pattern between the two sand sequences separated by silicone polymer. This would be equivalent to sandstone layers in nature separated by salt or water-saturated mud.