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 26, No 4

Research article

Rift-related magmatism influences petroleum system development in the NE Irish Rockall Basin, offshore Ireland
C. A.-L. Jackson, C. Magee & C. Jacquemyn 511

Shale oil and gas resource evaluation through 3D basin and petroleum systems modelling: a case study from the East Midlands, onshore UK

Hierarchical parameterization and compression-based object modelling of high net:gross but poorly amalgamated deep-water lobe deposits
T. Manzocchi, L. Zhang, P. W. D. Haughton & A. Pontén 545

Definition of the Hercynian Unconformity in eastern Saudi Arabia using chemostratigraphy in conjunction with biostratigraphy, sedimentology and lithostratigraphy
N. W. Craigie 568

Key controls on hydrocarbon retention and leakage from structural traps in the Hammerfest Basin, SW Barents Sea: implications for prospect analysis and risk assessment
I. Edmundson, A. Rotevatn, R. Davies, G. Yielding & K. Broberg 589

Discussion

T. A. Murray & W. L. Power 607

Discussion reply

R. Karoityte, G. Johnson, G. Yielding & S. M. V. Gifflihan 610

Cover image

Flow-simulation model showing water saturation following a water-flood into a detailed model of thin-bedded deep-water lobe deposits. See Manzocchi et al. p. 545.

ISSN 1354-0793