

# Petroleum Geoscience

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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.