

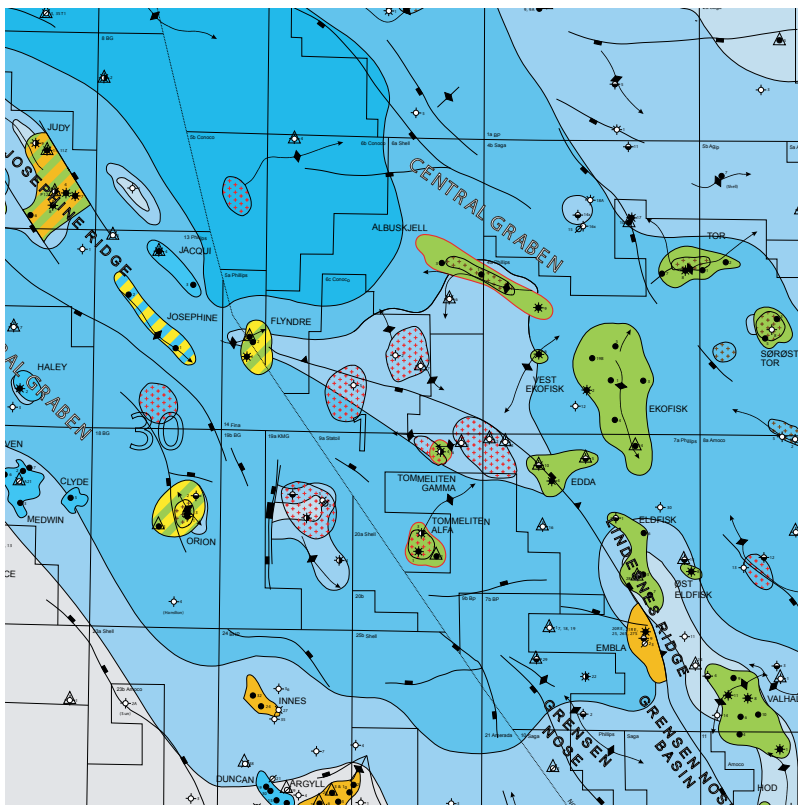
EXPLORATION GEOSCIENCES TECHNICAL STUDIES: UK PETROLEUM HYDROGEOLOGY of the CHALK

SOUTH CENTRAL GRABEN NORTH SEA

A detailed hydrogeological study of the Chalk in the southern part of the Central Graben. This study involved the introduction to the North Sea of techniques used successfully in exploration in western Canada.

A joint venture with Rakhit Petroleum Consulting, one of the leading hydrodynamic specialists in the world, based in Calgary, the study evaluates the Chalk as a potential carrier bed using pressure, core and log data. With the benefit of seismic from three major operating oil companies and Rakhit's proprietary software, oil migration models have been produced to develop exploration fairways within the Upper Cretaceous and Tertiary.

- Hydrostratigraphy of the Chalk
- Effective permeability including the influence of fractures
- Hydrocarbon drive mechanisms including buoyancy, geopressure and gravity (accounting for variations in formation water salinity)
- An understanding of mechanisms causing tilted oil contacts
- Hydrocarbon focusing including charge (i.e. via faults) and exit points from the Graben via carrier beds
- Hydrocarbon composition changes and indicators of migration and/or water flow
- The potential for stratigraphic traps within the Chalk



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Commercial Details:

The report was completed in 1997

Report, exclusive of any tax, delivery or customs duties is **£20,000**

Digital format (PDF) including all appendices an additional is **£5,000**

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