

# Pressure Study of the North Sea Viking Graben

A comprehensive and authoritative study  
of distribution of formation pressure in the  
Viking Graben

To establish the distribution of pressure and its causes in order to reduce the risks associated with hydrocarbon prospectivity, reservoir connectivity and entrapment while providing the key information required for safety and commercial decision makers.

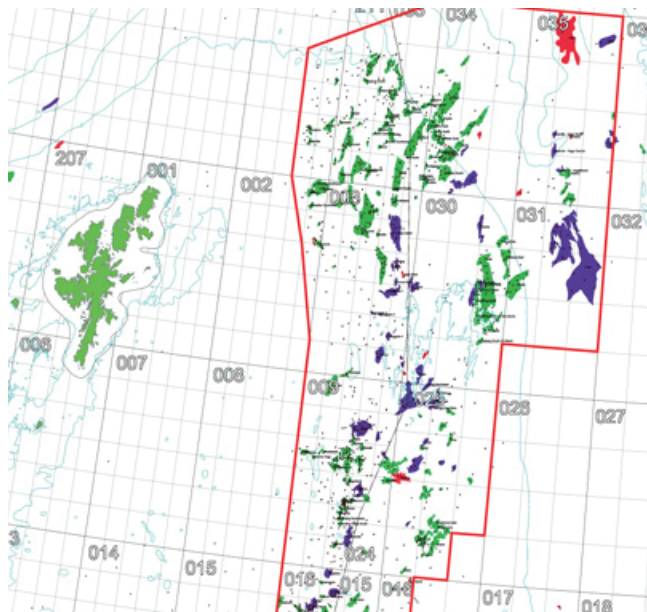
With increasing interest in drilling prospects in the Viking Graben, especially HP/HT areas or fields previously thought marginal, IHS has made available its unique Formation Pressure Database in a joint venture with leaders in subsurface pressure, Ikon Science. The study draws together many facets of geopressure providing a valuable document that offers the following benefits in a single study:

- Reduced risk associated with drilling over-pressured formations
- Reduced commercial risk
- Potential reserves upside
- Improved understanding of the regional pressure regime
- Reliable and conveniently presented information

The study is based on the most contemporary theory and high quality data available which make it both authoritative and comprehensive. The user will be able to apply the data assembled to calibrate and interpret their own in-house models of pressure distribution.

## The study offers the following key elements:

- Pressure distribution maps and pressure plots for key stratigraphic horizons including Hordaland Group, the Palaeocene, the Upper Cretaceous, the Lower Cretaceous, The Upper, Middle and Lower Jurassic and the Triassic Formations
- In-depth interpretations based on six key case studies
- An extensive database of pressure depth plots



Map of Study Area

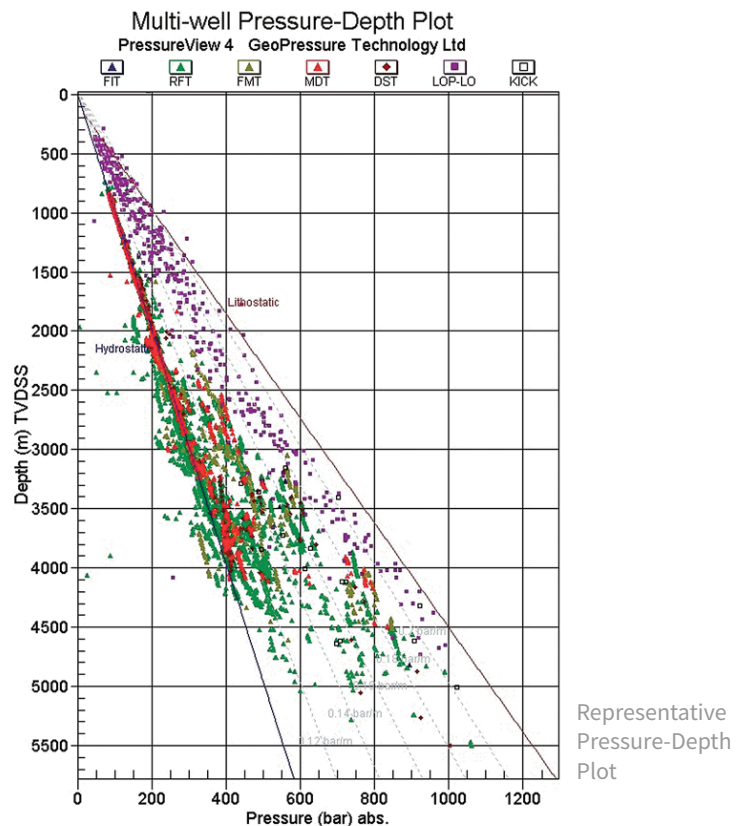
This new report is based on the data collected from 1,362 wells and no less than 1,104 overpressure values have been extracted from 9 stratigraphic levels (40 separate formations). These wells were selected on a strict quality basis from a total of 1,815 wells that had been drilled in the area at the time.

The study area covers UK quadrants 211, 210 (East), 16 (North), 10, 9, 4, 3, & 2 (Northeast) and Norwegian Quadrants 35, 34, 33, 31 (North), 30, 29, 25, 24, 16 (West) & 15.

## Key detailed case studies include:

- Lithostatic Gradients
- Fracture Gradients
- Seal Breach Risking
- Prediction of overpressure in areas of poor or no data
- Lateral drainage and hydrodynamics
- Effect of overpressure on reservoir quality

The Pressure Study for the North Sea Viking Graben is available hard-bound in A4 format (with enclosures) and with a CD. A presentation of the summary and conclusions will also be made available on CD.



For more information [www.ihsmarket.com/pressure](http://www.ihsmarket.com/pressure)

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#### NORTH AND SOUTH AMERICA

T +1 800 447 2273  
+1 303 858 6187 (Outside US/Canada)

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T +44 1344 328 300

#### ASIA PACIFIC

T +604 291 3600

E CustomerCare@ihsmarket.com

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