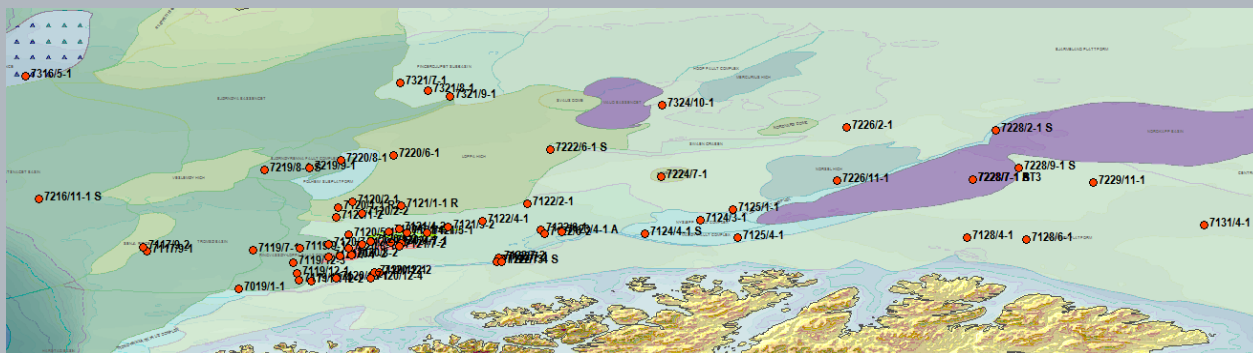


# Barents Sea

## Geochemical Interpretation Report

NEW FOR  
**2015**

This report covers the interpretation of petroleum geochemical data held within IGI's Barents Sea Petroleum Geochemical Database (2015 Edition). That database has been compiled in p:IGI format from geochemical data within reports made available on the Norwegian Petroleum Directorate's (NPD) website, and is available as a separate product. It contains data for over 27,000 samples from 73 wells.



The interpretation report covers the identification and characterization of key source rock intervals, correlation of these with oils, condensates and gases in the basin, and a regional evaluation of source rock burial, maturation and uplift history through 1-D modelling of selected wells.

- **Source rock geochemistry:** A regional evaluation of over 22,000 rock samples from 71 wells, considering hydrocarbon potential, kerogen type and maturity of all intervals, and selected key source rock intervals are considered for molecular and isotopic characteristics for correlation.
- **Hydrocarbon geochemistry:** Consideration of molecular and isotopic composition of over 200 oils, condensates and stains to evaluate source maturity, alteration processes, and recognition of distinct oil families, prior to an oil-source correlation. The report also presents interpretations on available geochemical data for 45 gas samples from 38 wells, focusing on source identification and maturity estimation.
- **1-D Basin modelling:** Models have been built and calibrated for 18 drilled wells throughout the Barents Sea region, and results presented for both local burial/maturation history and integrated for a regional evaluation of source maturity and uplift/erosion.

The report is provided in both printed and digital formats, the comprehensive bound report being accompanied by a CD with copies of the PowerPoint slide sets and text report, and the 1-D models in Zetaware's Genesis format. The Barents Sea Geochemical Database is not included with the report, but is available for separate purchase.

### Report cost

Stand-alone price: £35,000

If bought with database: £24,500

For further details please contact:  
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### Source Rock Geochemistry

- \* Evaluation of >22,000 samples (71 wells)
- \* HC source potential by lithostratigraphic unit
- \* Key sources identified and characterised

### Hydrocarbon Geochemistry

- \* Evaluation of 143 liquids & 72 stains
- \* Gas geochemistry
- \* Oil grouping and oil-SR correlation

### 1-D Basin Modelling

- \* 1-D models for 18 drilled wells
- \* Regional uplift and maturity history



# Contents of the report:

1. Introduction
2. Source rock geochemistry
  - Overview of the different lithostratigraphic groups
  - Evaluation of source rock potential by lithostratigraphic unit
  - Initial evaluation of source rock maturity
  - Key potential source intervals
  - Source characteristics for correlations
3. Oil geochemistry
  - Oil contamination and alteration
  - Oil maturity
  - Oil-oil correlation
  - Evaluation of oils by field/area
  - Oil-source rock correlation
4. Gas geochemistry
5. 1-D basin modelling
  - Models for 18 drilled wells
  - Regional evaluation of uplift/erosion and source maturity

