

Regional PhaseFinder Package Finnmark East

GEOS4'S EXCLUSIVE PHASEFINDER TECHNOLOGY

This science-based technology accurately predicts charge timing, fluid volume and composition rapidly and inexpensively, based on calibrations from major petroleum provinces worldwide using PhaseKinetics*.

Paleozoic source rocks almost certainly play a major role in the petroleum system of the Finnmark East region, as Upper Jurassic rocks, the major source on the Norwegian Continental Shelf, are immature in this region. Paleozoic source rock potential, known from Svalbard and Greenland analogs, is high, and discoveries of oil and gas were made in the Finnmark East and adjacent areas. Finnmark East has only recently been opened for exploration by the Norwegian Petroleum Directorate and is an extremely promising new frontier area.

The GEOS4 Finnmark East package provides

- representatives of eight key immature source rocks,
- kinetic parameters for timing predictions using slow heating rates,
- Petroleum Type Organofacies for predicting bulk petroleum types,
- 2- and 4-component gas/oil ratio prediction in time and space,
- 14-component physical property/PVT prediction in time and space,
- kinetic data provided as tables as well as digital files for direct import into PetroMod® (SLB).

* di Primio, R. and B. Horsfield, 2006, From petroleum type organofacies to hydrocarbon phase prediction: AAPG Bulletin, Vol. 90.



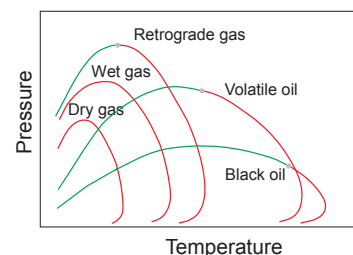
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APPROXIMATE 40% SAVING ON
REGULAR PRICES WHEN YOU
PURCHASE THIS PHASEFINDER**

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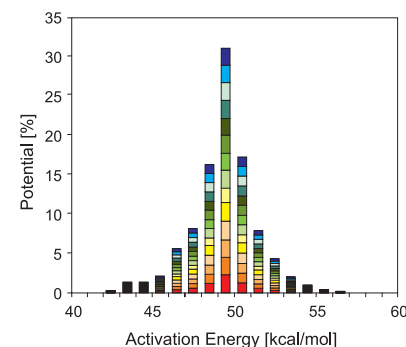
UNIQUE SOURCE ROCK SAMPLE SUITE

Our carefully selected source rock suite comprises rocks from the Finnmark East platform (well 7128/6-1) as well as from UK, Svalbard and East Greenland, where Paleozoic rocks represent analogs to the subsurface of the Finnmark area.

Carboniferous source rocks are considered potentially important for the Finnmark East region; therefore five samples with variable TOC contents are included in our data package. But Triassic, Permian, and Devonian sources must also be taken into account when building a comprehensive petroleum system model of this under-explored region, thus, our study includes relevant samples of them as well.



Formation	Age	Location	TOC (wt%)	HI
Botneheia	Triassic	Greenland / outcrop	6.8	591
Ravnefjeld	Permian	Greenland / outcrop	6.7	425
Bowland Shale	Carboniferous	UK / well SSK11455	9.1	324
Bowland Shale	Carboniferous	UK / well SSK11455	4.6	209
Trail Ø Group	Carboniferous	Greenland / outcrop	2.5	359
Tettegras	Carboniferous	Well 7128/6-1	52.0	270
Tettegras	Carboniferous	Well 7128/6-1	4.4	220
Obrutschev Bjerg	Devonian	Greenland / outcrop	10.4	681



GEOS4's Finnmark East PhaseFinder package allows the combination of source specific compositional predictions of petroleum with petroleum system modelling.

The correct reproduction of petroleum phase behaviour represents a major step forward in modelling fluid generation, migration and accumulation in this complex setting.

