

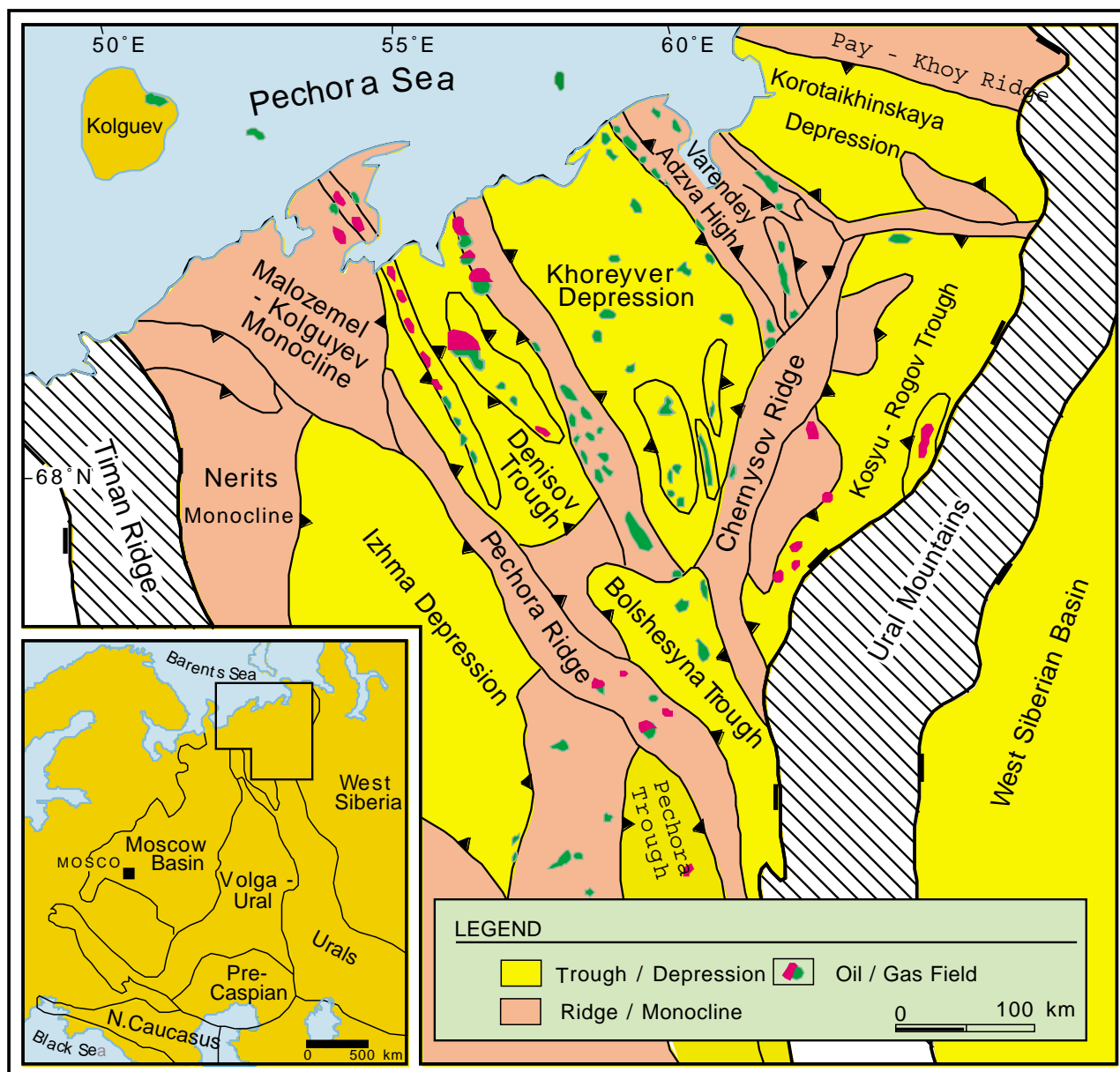
RUSSIA

The Urals Foreland Basins



NORTHERN TIMAN PECHORA

Regional thermal history reconstruction, source rock maturity, structural and hydrocarbon generation history of the northern Timan-Pechora Basin assessed using Apatite Fission Track Analysis (AFTA®) and vitrinite reflectance (VR).



A joint project with Russian enterprises Archangelskgeology and Nedra

Comprehensive report.

PRE-PROJECT PRICE:

US\$ 19,500

A group escalation of 50% for first partner and 30% thereafter applies

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NORTHERN TIMAN-PECHORA

NON-EXCLUSIVE STUDY

The Timan-Pechora Basin of northern Russia lies along the western margin of the Urals Mountains and forms the northernmost foreland basin developed during the collision of the European and Asian continental plates. The collision commenced in the Early Carboniferous but the exact timing of the basin's structural development is complicated by the presence of a series of north-south trending inverted highs which appear to young from east to west and span the emplacement of the Urals Mountains.

Thinning across anticlines points to commencement of inversion in the Visean with the transition from an eastern passive margin to foredeep around the mid-Permian but no detailed and reliable picture of the timing of individual events can be derived from existing data.

This study of the thermal history of northern Timan-Pechora using AFTA and VR will be designed to reveal the timing and magnitude of maximum paleotemperatures of potential and proven source intervals within the basin and so resolve and quantify events associated with the Uralian collision in each of the structural regions evaluated. Where possible, estimates of paleogeothermal gradient will allow amounts of missing section to be determined.

The timing and magnitude of maximum paleotemperatures is critical for evaluating the remaining oil potential of each structural domain within the basin and the amounts of uplift and erosion provide a vital component for the integrated basin modelling of the region.

The study will be based on approximately 15 AFTA and up to 40 VR analyses of samples taken from 12 wells drilled in the following areas:

The Malozemel-Kolguyev Monocline

The Pechora-Kolva Ridges

The Khoreyver Depression

The Varandey-Adzva High

The Korotaikha Trough

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