

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

President:	Gary Ingram	070-4472585	gary.g.ingram@shell.com
Vice-president:	Martin Wilpshaar	070-3583076	martin.wilpshaar@dutch200.com
Excursions:	Ingrid Kroon	030-256 4531	ingrid.kroon@tno.nl
Secretary:	Marit Brommer p/a TU Delft Stevinweg 1 2600 GA Delft Phone: 015-278 5871 E-mail: m.b.brommer@tudelft.nl	Treasurer:	Moniek Ebisch p/a PanTerra Geoconsultants B.V. Weversbaan 1-3 2352 BZ Leiderdorp tel. 071-581 3512 E-mail: m.ebisch@panterra.nl
Venue:	PGK's monthly meetings are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 17:00 hrs; the lecture starts at 18:00hrs.		www.pgknet.nl
Membership:	Apply for membership by contacting the secretariat. The annual fee is €15.-		
Accounts:	Fortis Bank: 88.65.82.733 (PGK, Den Haag)		

SEPTEMBER 2007 NEWSLETTER

12 SEPTEMBER

The next PGK meeting will be on **Wednesday, September 12, 2007**. The programme will be as follows:

- 17:00-18:00 hrs: Social hour
18:00-19:00 hrs: Lecture by Mr. Menno de Ruig (Shell)

“Seismic facies and reservoir characteristics of a deep-marine channel belt in the Molasse foreland basin, Puchkirchen Formation, Austria”

Abstract on other side

OCTOBER MEETING

The October meeting will take place at **Wednesday, October 17, 2007**.

GEOLOGY OF THE NETHERLANDS

Geology of the Netherlands is a landmark study and presents an overview of the geology of the subsurface of the Low Countries. For more information you are kindly referred to the following website:

<http://www.knaw.nl/cfdata/publicaties/detail.cfm?boekenordernr=20011075>

In the afternoon of **September 13th** the Royal Dutch Geological and Mining Society (KNGMG) will organize a special meeting around the new book Geology of the Netherlands
Venue: Blauwe zaal, Rupert building (Leuvenlaan 21, De Uithof, Utrecht). Access free.

MEMBERSHIP

Applications for membership have been received from Wiebke Athmer (TU Delft), Sonja Döpp (TNO B&O), and Douwe Jan van Leverink (TNO B&O). If no objections are received prior to or during the next meeting, they will be automatically admitted as members of our society.

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

Monthly meeting: Wednesday 12 September 2007
Address: KiVi, The Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00
Title: *“Seismic facies and reservoir characteristics of a deep-marine channel belt in the Molasse foreland basin, Puchkirchen Formation, Austria”*

ABSTRACT

Oligocene-Miocene deep-water deposits of the Puchkirchen and basal Hall formations contain the main gas reservoirs of the Austrian Molasse Basin. A new seismostratigraphic model, based on a 2000-km², regional 3D seismic data set has fundamentally changed our understanding of the depositional processes and reservoir distribution in this classic deep-water foreland basin. Regional 3D seismic attribute maps, calibrated by nearly 350 wells, reveal that sedimentation occurred primarily within the confines of a large (3-5 km wide by >100 km long), low-sinuosity channel belt that occupied the Molasse Basin foredeep. The channel fill consists predominantly of turbiditic conglomerate and sandstone, as well as chaotic slump and debris-flow deposits. Overbank areas are characterized by fine-grained turbiditic sandstone and mudstone. Incised canyons and ponded slope fans were active along the southern basin margin; lateral tributary channels intersected the axial channel belt in the north. Significant accumulations of gas are stratigraphically and structurally trapped in channel thalweg and slope-fan sandstones, with more modest amounts in overbank lobe and tributary-channel deposits. Basin geometry had a profound effect on the architecture of the channel belt and subsequent sediment distribution. Large-scale deepwater channel systems are poorly documented from foreland basins; the depositional model developed for the Puchkirchen Formation was made possible through the use of high-quality seismic data and an extensive drill-core database. The depositional model may be a useful analog for other elongate, deep-water basins, especially those that lack extensive, modern data sets.

PGK FALL EXCURSION 2007

Currently there is an interesting large outcrop (ca. 40 x 6 m) in the glacially pushed ridge near Arnhem where we expect to find rather subtle synsedimentary deformation structures. You are invited by the PGK to closely examine this specific outcrop yourself on **Saturday 8 September**. The excursion is free of charge. Each participant is allowed to bring one introduce. The registration deadline (send a mail to ingrid.kroon@tno.nl or phone 030 2564531 (not on Mondays)) is **September 4**.

Please post this page your company's notice board. Members may be accompanied by guests!

Thanks to our sponsors:

*/ Argo Geological Consultants / dGB EarthSciences / DSM Energie /
/ EBN / ENRES International / Fugro Robertson /
/ GDF Production Nederland / Hogeschool Rotterdam, sectie Aardrijkskunde /
/ Horizon Energy Partners / Iron Mountain / Landmark Graphics /
/ Nederlandse Aardolie Maatschappij / TNO Bouw en Ondergrond / Oranje Nassau Energie /
/ PanTerra Geoconsultants / Petro-Canada Netherlands / PGS Reservoir / PGS Geophysics /
/ Schlumberger Petroleum Services / Shell Exploration and Production /
/ Terra Incognita Geoconsultancy and Geobooks / Total E&P Nederland / TU Delft /
/ Chevron Exploration and Production - Netherlands / Wintershall Noordzee /*