

# PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH MINBOUWKUNDIG GENOOTSCHAP



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<b>Venue:</b> PGK's monthly lectures are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 5 PM; the lecture starts at 6 PM.	<b><a href="http://www.pgknet.nl">www.pgknet.nl</a></b>
<b>Membership:</b>	Apply for membership by contacting the secretariat. Euro 15,-
<b>Accounts:</b>	VSB Bank: 88 65 82 733 (PGK, Haarlem)      Postbank: 4074482 (PGK, Haarlem)

## SEPTEMBER NEWSLETTER

### **24 SEPTEMBER: MEETING (please note it is a Tuesday)**

The next monthly meeting will be on Tuesday 24 September. As usual, social hour (free drinks) between 17:00 and 18:00 hrs. A lecture will be given by Maarten Wiemer (**Shell EPT-AGI**) with the title:

### **“CHINA'S ONSHORE GAS RESOURCES”**

*Please see other side of this newsletter for the September lecture abstract.*

### **ONE DAY EXCURSION**

#### **The Winterswijk Quarry, Saturday 5 October 2002**

8:00 Departure by bus from Noordwijkerhout (Leeuwenhorst); Brouwers Tours;

9.00 Stop at Jaarbeurs, Utrecht Central Station;

10.30 Arrival at geological museum in Winterswijk; and lecture given by W. Pelletier on the local geology;

11.30 Lecture by K. Pipping (NAM) on the Lower Muschelkalk in the De Wijk gas field;

12.00 lunch at the hotel Frederikshof near the museum (included in budget);

13.00 Visit museum Frederikshof until 14.00 hr, latest finds, first oil;

14.00 Visit Ratum Quarry, Triassic Muschelkalk carbonates (open till 16.30);

17.00 Drinks at Hotel Frederikshof;

18.00 Return home (19.00: Jaarbeurs Utrecht, 20.00: Noordwijkerhout)

Register soon with E. Breman, excursion secretary. – E-mail: [e.breman@tierralinda.demon.nl](mailto:e.breman@tierralinda.demon.nl) or by phone: 0252-544779 (evening) Cost per member: 45 Euro

### **NEW MEMBERS**

Applications for membership have been received from Timothy John (PanTerra Geoconsultants) and Jeroen Godtschalk (Bluewater Energy Services). If no objections are received prior or during the next meeting he is automatically elected a member of our society.

### **NEW JOB POSTING SERVICE**

PGK is initiating on its web page [www.pgknet.nl](http://www.pgknet.nl) a job vacancy site. Companies interested might contact the President ([b.scheffers@nitg.tno.nl](mailto:b.scheffers@nitg.tno.nl)) with a description of the vacancy. This will be placed on the website for free as a service to our sponsors.

### **PLEASE NOTE:**

Cause a technical problem, some data on the PGK Members Database have been lost: if you changed your contact details within this year, please let us know again. Thank you.

**Monthly meeting:** Tuesday 24 September, 2002  
**Address:** KIVI building, Prinsessegracht 23, Den Haag  
**Social hour:** (free drinks) between 17:00 and 18:00 hrs  
**Lecture:** at 18:00hrs

## “CHINA'S ONSHORE GAS RESOURCES”

Maarten Wiemer (Shell EPT-AGI)

**Title:** 'A discussion of reservoir data from the Bohai, Ordos and Tarim Basins, onshore China, in the context of their regional geological setting.'

China has a long and successful petroleum industry history, until recently based mainly on the production of oil. Although industrial use of gas in China is more than 2000 years old, new large scale gas infra-structural projects have been initiated in China, giving rise to a re-invigorated and very active upstream gas exploration and development scene. Against this economic back drop, understanding China's onshore gas reservoir deliverability has a crucial business impact.

More than 5000 core plug data points accumulated during a series of field evaluation projects in three China onshore basins, i.e. Northern Bohai, Ordos and Tarim, give ample material for an interesting illustration of the interplay of geological controls on reservoir quality.

Tertiary Bohai reservoir sandstones show the impact of provenance, complex burial history and possibly late burial leaching. The Permo-Carboniferous reservoir sandstones from the Central Ordos Basin illustrate the impact of provenance, depositional facies and burial history. The Cretaceous reservoir sandstones from the northern Tarim however, seem to ignore the impact of deep burial. Although they were subjected to a complex tectonic history, they contradict the general perception of poor reservoir development in China's land-locked basins.

Provenance and depositional facies, i.e. mineralogical and textural maturity, appear to have a dominant primary impact on reservoir potential. Climate and tectonic setting in turn control provenance and depositional facies. Tectonic setting, in the context of subsequent burial history, and diagenetic overprint impact these primary controls with variable result. Evaluating this dataset in a regional geological context gives some insight in predicting reservoir performance in China's challenging subsurface.

**Please post it on the board of your office building. New members and guests welcome!**

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