

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOWKUNDIG GENOOTSCHAP **PGK**

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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 18:00 hrs.	www.pgknet.nl	
Membership:	Apply for membership by contacting the secretariat. The annual fee is 15.- Euros.		
Accounts:	Fortis Bank: 88 65 82 733 (PGK, Den Haag)	Postbank: 4074482 (PGK, Den Haag)	

JANUARY 2004 NEWSLETTER

21 JANUARY: MONTHLY MEETING

This month's PGK meeting will be on **Wednesday, January 21, 2004**. The lecture will be given by Hugo Poelen (Shell/Independent) with the title:

“Seismic Volume Interpretation: Volumes in Detail”

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

FEBRUARY MEETING: On 11 February 2004 the **ANNUAL MEETING** will be held. Drinks will be served from 17:00 to 18:00 hrs followed by the annual meeting. At ca. 18:45 Mat de Jong (ENRES) will give a lecture with the title **“Challenges in the petroleum geology of the Persian Gulf”**. After the meeting (ca. 19:45), members are invited to the annual dinner (€25,-) in the Pakistan/Indian Restaurant Kashmir at Javastraat 67. Please register before February 1st with the secretary at the address above.

EXCURSIONS: The planning of the excursion program is still in progress, but the PGK spring (approx. three days) excursion is planned in the period May 20-23, 2004. Please put these days in your agenda as provisional dates for the PGK spring excursion.

NEW MEMBERS: Application for membership has been received from Rikkert Moeys (Wintershall Noordzee). If no objections are received prior to or during the next meeting, he is automatically admitted as member of our society.

MEMBERSHIP: Members that did not yet pay their dues of the previous(!) year are kindly requested to do so. Account details can be found at the top of this page.

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Monthly meeting: Wednesday 21 January 2004
Address: KIVI building, Prinsessegracht 23, Den Haag
Social hour: (free drinks) between 17:00 and 18:00 hrs
Lecture: at 18:00hrs

Seismic Volume Interpretation: Volumes in Detail

Hugo Poelen (Shell/Independent)

ABSTRACT - If an image is worth a thousand words, then a volume could well be worth hundred thousand or even a million words! The wealth of information contained in 3D seismic "images" - in fact volumes - is staggering, and recent years have seen a revolution in immersive scientific visualization to render subsurface data in their full 3D glory, and to keep up with the data inflation. However, finding and delineating increasingly subtle reservoirs in increasingly big data sets, remain time-consuming, uncertain, and costly tasks, even in a multi-million dollar (Virtual) Reality Center.

To make use of another adage, the ability to manipulate and to navigate through a virtual haystack in 3D is not always sufficient to locate the needle quickly and accurately. Even more important than visualization tools is the capability to interpret structural and textural features in a full volume sense. Shell is investing considerably in both volume visualization and volume interpretation state-of-the-art technology to help locating hydrocarbons in the earth's subsurface.

This paper highlights some edifying examples of Shell's Volume Interpretation technology, and how it impacts Shell's business.

Please post this page on the board of your office building. A guest with a member is welcome!

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PGK Ties for sale!

At the January meeting, it will be possible to purchase the well-known PGK ties, carrying the logo of our society. They are available in red and blue, and will cost €10,-/piece.