

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP PGK

President:	Martin Wilpshaar	070-4472585	martin.wilpshaar@wintershall.com
Vice-president:	Herman Darman	070-3583076	herman.darman@shell.com
Excursions:	Douwe van Leverink	030-2564832	douwe.vanleverink@tno.nl
Secretary:	Wieske Paulissen p/a TU Delft Afdeling Geotechnologie Stevinweg 1 2628 CN Delft Phone: 015-278 2576 E-mail: w.e.paulissen@tudelft.nl	Treasurer: Phone: E-mail:	Nabil Chaouch p/a PanTerra Geoconsultants B.V. Weversbaan 1-3 2352 BZ Leiderdorp tel. 071-581 3505 n.chaouch@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)		

MAY 2008 NEWSLETTER

21 MAY

The next PGK meeting will be on **Wednesday, May 21, 2008**. The programme will be as follows:

- 17:00-18:00 hrs: Social hour
18:00-19:00 hrs: Lecture by Harry Doust on
'Petroleum systems in rift basins – a collective approach in Southeast Asian basins'
See lecture abstract on other side

JUNE MEETING: JOINT PGK-SPE-DPS MEETING

The June meeting will be held on **Monday, June 9, 2008, Delft (Faculty of Civil Engineering, Stevinweg 1)**, and is followed with a BBQ. The programme will be as follows:

- 13.00-17.00 : Course by Goos Bakker (NAM) on building an integrated subsurface team.
17.00-18.00 : Social hour
18.00-19.00 : Panel discussion: How to Make Subsurface Integration Work.
19.00- end : annual BBQ

NEW MEMBERS

Applications for membership have been received from Paul Reemst, Daniela Wittich, Chandan Jaiswal and Aernout Korevaar (Shell), Frank van den Belt, Jan ter Heege and Tom van Hoof (TNO), Louise Anderson and Sabine Roessle (Wintershall), Dennis van der Burg (PGS Geophysical Survey), and Donny Soenarjo . If no objections are received prior to or during the next meeting, he/she will be automatically admitted as member of our society.

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

Monthly meeting: Wednesday 21 May 2008
Address: KiVi, The Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00

“Petroleum systems in rift basins – a collective approach in Southeast Asian basins”
By Harry Doust

ABSTRACT

Harry Doust and H. Scott Sumner

In the typical rift to postrift basins of the Tertiary of Southeast Asia four phases of tectonostratigraphic basin development can be recognized: An early synrift phase of rapid extension and subsidence, a late synrift phase of waning subsidence, an early postrift phase of tectonic quiescence and marine transgression and, finally, a late postrift phase characterized by extensive inversions and delta development.

Although the sedimentary fill to a large extent depends on the local subsidence history and the palaeogeographic situation of each basin, there is a noticeable similarity in the depositional environments represented and in the character of the lithofacies developed. This is reflected in the petroleum systems present, which can be classified into four common “types”, widespread throughout the area, and which correspond with the four main phases of basin development. This means that if the tectonic and likely sedimentary environment evolution in less well-known basins can be identified, we can make predictions about which of the four characteristic petroleum systems may be present and their relative importance.

Here, we recognize a number of typical reservoir lithofacies “play-types”, representative of the reservoir formations of each of the petroleum system types identified. In combination with the trap types developed, these can be used to define plays in a structured fashion, and thereby refine predictions of the potential occurrence and value and of future discoveries. Statistical analysis of production data from both the petroleum system types and the reservoir lithofacies plays provides valuable insights in this respect, particularly with respect to average field sizes and ratio of oil to gas.

Finally, we believe that the petroleum system and lithofacies play types recognized here may have considerable analogue value for exploration in similar rift to postrift basins elsewhere in the World.

Please post this page on 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 /
/ Horizon Energy Partners / IHS Energy
/ TNO Bouw en Ondergrond / Oranje Nassau Energie /
/ PanTerra Geoconsultants / Petro-Canada Netherlands /
/ Shell Exploration and Production /
/ Terra Incognita Geoconsultancy and Geobooks / Total E&P Nederland / TU Delft /
/ Chevron Exploration and Production - Netherlands / Wintershall Noordzee /*