

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG 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 18:00hrs.		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)		

JANUARY 2009 NEWSLETTER

21 JANUARY:

The next PGK meeting will be on **Wednesday, January 21, 2009**. The programme will be as follows:

17:00-18:00 hrs: Social hour
18:00-19:00 hrs: Lecture by Wim Looyestijn

*“What every geologist always wanted to know about NMR, but never dared to ask”
Abstract on other side*

JANUARY 15: 30TH ANNIVERSARY OF THE PGK

In the evening of January 15 the 30th anniversary of the Dutch Petroleum Geological Circle (www.pgknet.nl) will be celebrated with a buffet in the city centre of Utrecht at the city castle Oud Daen (Oude Gracht 99, Utrecht).

Please register separately with the PGK secretary, W.E.Paulissen@tudelft.nl. Participants will be charged 30 Euro's.

JANUARY 15 & 16: SYMPOSIUM AND CORE WORKSHOP

“Fifty years of petroleum exploration in the Netherlands after the Groningen discovery”

Organised by EBN and TNO Geo-Energy in cooperation with PGK
15 & 16 January 2009, Utrecht

The number of people that have already registered for the symposium is an indication that the 30th anniversary of the Dutch Petroleum Geological Circle will be a success. At this moment we are not at the maximal limit for both events. But hurry to register. For the core workshop (with 600 m of core!) in particular the number of participants will be limited because of physical limitations. Note that the low price of the workshop also includes the SEPM special volume with the proceedings with many core photos.



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FEBRUARY MEETING

The February meeting will be held on **Wednesday February 18, 2009** with a lecture on **'Late Charge in the K5 Area'** by Bernard Geiss from Total.

NEW MEMBERS

Applications for membership have been received from Han van Gils (GDF Suez), Paul van den Broeck, Dirk Munsterman and Martijn Gorissen (TNO), Janet Almond (Shell), Yolanda Kolenberg (MSc Student TU Delft), Edward Cherednik and Pieter van Heiningen (Fugro Development & Production). If no objections are received prior to or during the next meeting, he/she will be automatically admitted as member of our society.

PGK 30th anniversary



Thursday 15 January
Buffet from 19.00 onwards

Dinner speech:
“Past, Present and Future of the Dutch Oil
Industry”



STADSKASTEEL
OUDAEN

City Castle Oudaen
Oudegracht 99 Utrecht
(www.oudaen.nl)

Register with our secretary
w.e.paulissen@tudelft.nl

Cost 30 Euro

Symposium and Core Workshop
“Fifty years of petroleum exploration in the Netherlands after the Groningen discovery”

Organised by EBN and TNO Geo-Energy in cooperation with PGK
15 & 16 January 2009, Utrecht

<p>Date : Thursday Jan 15th and Friday Jan 16th 2009 Time : 9.30 – 18.00 Venue : Auditorium of TNO-NITG, Princetonlaan 6, Utrecht (route map on www.nitg.tno)</p> <p>Pre-registration symposium: Euro 50, On-site Euro 100</p>	<p>Included : Proceedings, Lunch and Social drinks Core workshop: Euro 150 - including SEPM volume Registration : TNO Business Unit Geo-Energy, TNO by tel : 030 256 4610 by fax : 030 256 4605 (or e-mail: Organisatie-BenO-SecretariaatGEenGI@tno.nl) Payment registration fee: ING account # 68 94 93 061 Name: TNO Bouw en Ondergrond, Delft Details: 034.20000 - EBN Workshops & Symposia</p>
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Day 1: Exploration Symposium 15 January 2009

After the landmark discovery of the Groningen field in 1959, with the well Slochteren-1, petroleum exploration in the Netherlands changed profoundly. The exploration in the years after the first discoveries has only been documented in part. Fifty years geologists have been busy finding new plays in the Dutch subsurface. Now in this “year of the earth “ and 50 years after the discovery it is a good moment for reflection on these exploration activities. Exploration in the Netherlands became part of the search for oil and gas in the larger North Sea basin area. The workshop will touch on a number of detailed examples. Many play concepts have been forgotten over time. The symposium will allow ample time for the early explorationists to bring them back in order to help the professionals active today. In a number of lectures examples of plays that were explored the last fifty years will be shown. Some background material will be available on CD-ROM.

Day 2: Rotliegend Core Workshop 16 January 2009

On Friday a dedicated core workshop will be held focused on the Permian Rotliegend, summarizing 50 year of research in the Netherlands. The core workshop will bring together a unique display of Rotliegend cores demonstrating the complexity of this depositional system. Lectures are planned to introduce key topics and their impact on the gas fields in the subsurface.

1. **Stratigraphy**
2. **Depositional Environment**
3. **Paleogeography**
4. **Diagenesis**
5. **Structural Geology**
6. **Field Studies**

The proceedings from the workshop will be published in the SEPM special publications series edited by R. Gaupp & J. Grötsch.

Primary target group

Geologists and geophysicists involved and interested in exploration and production of the deeper subsurface of the Netherlands as well as sedimentologists and geoscientists from academic institutions. Note, that symposium and core workshop can be attended separately.

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Program Day 1

Symposium “Fifty years of petroleum exploration in the Netherlands after the Groningen discovery”

Thursday, January 15th 2009

Coffee 9.30 Registration

Session 1

- 10.00 Welcome (TNO/EBN)
- 10.05 KEN GLENNIE (ex Shell – now University Aberdeen) – [presented by Jaap Breunese - TNO] Desert interpretation of the Permian Rotliegend Sandstone, Groningen.
- 10.25 RIEN HERBER (NAM - Assen) – NAM's exploration history and outlook in the Netherlands
- 10.45 Questions/discussion
- 10.55 JEAN-JACQUES BITEAU (Total -Paris) – The TOTAL Group (Total, Fina, Elf and former parent companies) E & P in the Netherlands, a 45 years success story...
- 11.15 Questions/discussion

Coffee 11.20

Session 2

- 11.45 PHILIPPE DRIJKONINGEN (GdF–Suez - Paris) – Unexpected plays and discoveries
- 12.05 Questions/discussion
- 12.15 BERT DE WIJN (Wintershall – Rijswijk) – Wintershall 40 years of exploration and production history
- 12.35 Questions/discussion

Lunch 12.45

Session 3

- 13.30 RENEE KUIPER (Grove- The Hague) – Exploration from the perspective of a small operator
- 13.50 Questions/discussion
- 14.00 JACQUES VAN VEEN (retired NAM) – The frontal area of the London-Brabant Massif – 3D exploration since the mid-eighties along the River Maas lineation
- 14.20 Questions/discussion

Tea 14.30

Session 4

- 15.00 HANS KLASSEN (retired Amoco/Taqa) – Early exploration of Amoco
- 15.20 Questions/discussion
- 15.30 LEO ALBLAS (T&A Survey) – Carboniferous Exploration
- 15.50 Questions/discussion
- 16.00 PETER ROSENKRANZ (EBN) – Model approach to future offshore exploration
- 16.20 Questions/discussion
- 16.30 Closing Remarks

Drinks 16.45

Program Day 2

Core Workshop “The Permian Rotliegend in The Netherlands”

Friday, January 16th 2009

Coffee 9.30 Registration

10.00 Welcome by EBN/TNO

Session I

10.05 J. GRÖTSCH (NAM - Assen): The Groningen gas field: 50 years of history

10.20 H.F. MIJNLIEFF (TNO – Utrecht): Stratigraphy of the Permian Rotliegend

10.35 R. GAUPP (U. of Jena, Germany): Rotliegend depositional environments

Session II

10.50 Introduction to core sessions (LUTGERT/GRÖTSCH)

11.00 Core sessions in 6 groups (2 * 30 min)

1. The Groningen gas field
2. Regional correlation and sequence stratigraphy
3. Rotliegend feather edge - Lower Slochteren
4. Rotliegend feather edge - Upper Slochteren
5. Diagenesis
6. Fractures

Lunch 12.00

Session III

13.00 Core sessions in 6 Groups (2 * 30 min)

Tea 14.00

Session IV

14.45 J.C. DOORENBAL (TNO - Utrecht): Paleogeography of the Permian Rotliegend

15.00 R. GAUPP (U. of Jena, Germany): Diagenesis in Rotliegend reservoirs of the Netherlands

15.15 H. LIGTENBERG (NAM – Assen): Some notes on Structural Geology from Rotliegend cores

15.30 J. STEENBRINK (NAM - Assen): The Groningen gas field – managing a giant

15.45 EBN/TNO: Closing Remarks

Session V

15.50 Core sessions in 6 Groups (2 * 30 min)

Drinks 17.00

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Monthly meeting: Wednesday 21 January 2009
Address: KiVi, The Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00
Title: *“What every geologist always wanted to know about NMR, but never dared to ask.”*

By Wim Looyestijn

ABSTRACT

NMR stands for Nuclear Magnetic Resonance, discovered by physicists, heavily used by chemists and biochemists. So, why should a geologists be interested? Well, for the same reason as medical doctors are. They are not really keen to hear how spins rotate, and whatever they interact with and why, but use the technique as a tool to see things that they cannot see otherwise.

This talk will try to show what geological information can be extracted from NMR logs. Since that is an impossible task for a physicist, even for a petrophysicist, the lecture is bound to be interactive.

Speaker

Wim Looyestijn used NMR in his PhD work on solid state physics at the University of Leiden, but never thought to use it again when he joined Shell research in 1979. Having worked on a variety of research topics in petrophysics, he could take the dust off his NMR books in the early nineties and soon became one of the specialists in Shell and beyond. He (co-)authored several pioneering publications on NMR applications and received a nomination as Distinguished Speaker from the SPWLA in 2007. He has been president of the Dutch Petrophysical Society since 2000, and is currently the Editor of the SPWLA journal, *Petrophyscis*.

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TERRA INCOGNITA

Your Sponsor Terra Incognita (GeoBooks and Geoservices) wishes all PGK members a happy and prosperous 2009 !!

We'd like to point at our g&g activities for 2009 :

Exploration Courses 1-2 weeks

Fieldcourses Worldwide, with emphasis on Eastern Netherlands & Germany /the Ardennes (fieldcourses from one day to a week for respectively non-geologists, g/g staff, engineers) and Indonesia (1-2 weeks)

My e-mail address for more info is h.duyverman@chello.nl