

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)		

DECEMBER 2008 NEWSLETTER

10 DECEMBER:

The next PGK meeting will be on **Wednesday, December 10, 2008**. The programme will be as follows:

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by Erik Henriksen and V. Glebovsky

“The Russian Arctic Shelf from the Barents Sea in the west to Alaska in the east”

Abstract on other side

JANUARY MEETING

The January meeting will be held on **Wednesday January 21, 2009** with a lecture on ‘**What every geologist always wanted to know about NMR, but never dared to ask**’ by Wim Looyestijn. The programme for the January meeting will be send to you in the beginning of January.

After the lecture we will have our traditional **X-mas dinner** at Restaurant **Greek Restaurant Athene Palace, Kalvermarkt 42, The Hague** (www.athenepalace.nl). A route description can be downloaded at www.pgknet.nl as well.

If you would like to join us, please register by sending an E-mail to Wieske Paulissen at w.e.paulissen@tudelft.nl before **Saturday, December 6**. Members can bring guests; the board kindly asks to pay 34 euros per guest.

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.

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NEW MEMBERS

Applications for membership have been received from Rene Ligtoet and Stella Kortekaas (Fugro), Mohamad bin Radzieman, Michiel Dekker and Raik Bachmann (Horizon-EP), Mario Wannier (Shell) en Saurabh Abbi (MSc Student TU Delft) . 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 10 December 2008
Address: KiVi, The Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00
Title: “The Russian Arctic Shelf from the Barents Sea in the west to Alaska in the east.”

By Erik Henriksen and V. Glebovsky

Presentation will be divided into two (each approx. 20 - 25 minutes):

1. Erik Henriksen, StatoilHydro, Exploration Manager, Russia/CIS presenting a geological overview
2. V. Glebovsky from VNIIOkeangelogia presenting the Oil & Gas Resources of the Russian Arctic Shelf

The western Barents Sea is the most explored and here within Norwegian water is located the Snøhvit Field which is the only producing field within the presented areas. On the Russian side many discoveries are made of which the Shtokman with reserves of more than 100 TCF recoverable gas is the most known. A couple of wells have been drilled in the Kara Sea, discovering the huge gas fields, Rusanovskaya and Leningradskaya. Further east from the Taimyr to the border to Alaska in the east, no deep exploration wells have been drilled. Still there are some virgin areas left for exploration.

A reserve calculation for the different Russian Arctic Basins will be presented together with a geological overview based on the available seismic, gravity and magnetics data. Focus will be on the Barents and Kara Seas and a brief overview further east through the Laptev Sea, East Siberian Sea and the Chuckshi Sea.

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

Thanks to our sponsors:

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Symposium
“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 2008 Friday Jan 16th 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 : mailto: <u>Organisatie-BenO-SecretariaatGEenGl@tno.nl</u>) 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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Background 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 made is only partly been documented. Fifty years geologists have been busy finding new plays. Now in this “year of the earth “ and 50 years after the discovery it may be a good moment for reflection on all exploration activity.

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 ideas have been forgotten over time. The symposium will allow ample time for the early explorationists to brush off forgotten play concepts that can 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 CDROM.

Background coreworkshop 16 January 2009

Friday January 16 a dedicated core workshop will be held focused on Permian Rotliegend, summarizing 50 year of Rotliegend research in the Netherlands. The core workshop will bring together a unique display of cores of the Rotliegendes. The workshop will be look at many different cores, also presented via lectures focused on important topics.

Major themes:

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

The proceedings will be published in the well known SEPM core workshop series.

Editor R. Gaupp - Proceedings max 350 p, format A3 (or bigger) fold-out well correlation incl. cored intervals for each cross section in appendix

Primary target group

Geologists and geophysicists involved and interested in the exploration of the deeper subsurface of the Netherlands

In the evening of January 15, the 30 year anniversary of the PGK (Petroleum Geological Circle in the Netherlands) will be celebrated with dinner in the Utrecht city centre. Please register separately at the PGK secretariat.

Program Schedule

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 – The Hague) – Exploration
- 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 HENK DUYVERMAN (retired Statoil) – Exploration northern offshore
- 15.20 Questions/discussion
- 15.30 SANDER KABEL (NAM – Assen) – Bunter play northern offshore
- 15.50 Questions/discussion
- 16.00 LEO ALBLAS (T&A- Survey) – Carboniferous Exploration
- 16.20 Questions/discussion
- 16.30 Closing Remarks

Drinks 16.45

Program Schedule

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 R. GAUPP (U. of Jena, Germany): The Permian Rotliegend - setting the scene
10.35 H.F. MIJNLIEFF (TNO – Utrecht): Stratigraphy of the Permian Rotliegend Group

Session II

- 10.50 Introduction to core sessions
11.00 Core sessions in 6 groups (2 * 30 min)

1. Alluvial to fluvial facies
2. Aeolian facies
3. Sand flats
4. Playa
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 J. STEENBRINK (NAM - Assen): Rotliegend Depositional Environments
15.15 R. GAUPP (U. of Jena, Germany): Diagenesis in Rotliegend reservoirs of the Netherlands
15.30 H. LIGTENBERG (NAM – Assen): Some notes on Structural Geology from Rotliegend cores
15.45 EBN/TNO: Closing Remarks

Session V

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

Drinks 17.00