

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)		

OCTOBER 2009 NEWSLETTER

21 OCTOBER:

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

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by Andrew Hurst, University of Aberdeen

“Sand injectites: their significance in the evolution of the shallow crust”.

See other side for more info

PGK SCHOONEBEEK EXCURSION

We would like to invite you the 2-day PGK excursion to the Schoonebeek and Emlichheim oilfields and an additional day of outdoor geology where we study the reservoir rocks in outcrops.

Date: 30th and 31st of October

Departure: Utrecht around 8.30

Return: Utrecht between 18.00 and 19.00

Costs: €75,- for members (including transport, hotel, diner and lunches)

€90,- for non-members (including transport, hotel, diner, lunches and PGK-membership)

We would kindly ask you to register before the 2nd of October.

Register by sending an e-mail to douwe.vanleverink@tno.nl with the attached excel sheet!

See other side for more info

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AAPG DISTINGUISHED LECTURE

The PGK would like to draw your attention to an AAPG Distinguished Lecture being held by John Kaldi entitled "*Carbon Capture and Geological Storage: What are the Big Issues and Opportunities?*"

Venue: Shell Office: Kessler Park 1, Rijswijk, 2288GS

Date: Monday, 12 October 2009

Time: 13:00-14:00

Note: Open for PGK/KNGMG members. Registration is required before 7 October 2009, please send an e-mail to herman.darman@shell.com .

KNGMG STARING LEZING

On **Tuesday October 13** at the KIVI building, Prinsessegracht 23, the KNGMG organizes the yearly Staring lecture. Drinks will be from 17:00 and the lecture starts at 18:00. This year's speaker is Bruce Levell, Chief Scientist Geology, Shell on "*The sameness of rocks and the uniqueness of the geological record: what does that mean for hydrocarbon exploration and production?*".

NOVEMBER MEETING

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

NEW MEMBERS

Applications for membership have been received from Paul de Minjer (Venture Production), Juan Daniel Sanchez and Annelies Bender (Panterra Geoconsultants), Patricio Silva Gonzalez (Fugro Robertsen BV), Johan Lanser and Max Mulder (Smart Energy Solutions BV). If no objections are received prior to or during the next meeting, he/she will be automatically admitted as member of our society.



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KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

PGK SCHOONEBEEK EXCURSION

Dear members,

We would like to invite you to the PGK excursion to the Schoonebeek and Emlichheim oilfields and a day of good old, outdoor geology. This PGK excursion will give you the possibility to visit facilities of the Elichheim field, learn about the reservoir geology of the fields and study the reservoir itself in outcrops.

The Emlichheim oilfield has been producing crude oil for more than 60 years. It continued producing while production from the Schoonebeek field was ceased during the mid nineties due to economic reasons. Nowadays, re-development of the Schoonebeek for production is almost finalized.

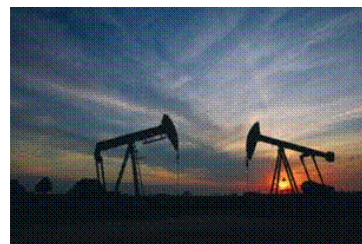
We will travel from Utrecht by comfortable coach with Frans Bianchi as driver. In the bus drinks and snacks will be present. At the moment we are looking for a suitable hotel in the city centre of Emmen.

Program

Friday, 30-10-2009

On Friday, we will visit the Wintershall facilities of the Emlichheim field and learn about the field structure, production strategies and separation processes.

At the end of the day a production geologist from Shell will present the in-and outs of the re-development plans for the Schoonebeek field at the hotel where we will stay.



Saturday, 31-10-2009

On Saturday we will visit several quarries where the reservoir (Bentheim Sandstone) is exposed. Our excursion leader for this day will be Harmen Mijnlief from TNO.

Harmen is very well known with the local and regional geology.

At the end of the day we will drive back to The Netherlands to arrive in Utrecht between 18.00 and 19.00.

We would kindly ask you to register before the 2nd of October.

Register by sending an e-mail to douwe.vanleverink@tno.nl with the attached excel sheet!

Date: 30th and 31st of October

Departure: Utrecht around 8.30

Return: Utrecht between 18.00 and 19.00

Costs: €75,- for members (including transport, hotel, diner and lunches)

€0,- for non-members (including transport, hotel, diner, lunches and PGK-membership)

Best regards,

Douwe van Leverink

Excursion coordinator PGK

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Monthly meeting: Wednesday 21 October 2009
Address: KIVi building, Prinsessegracht 23, the Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00

“Sand injectites: their significance in the evolution of the shallow crust”

By Andrew Hurst

Aberdeen University

ABSTRACT

Sand injectites, preserved as sandstone dykes, sills and extrudites, are arguably one of the “overlooked features” of sedimentary basins. Until the oil industry realised that some of their reservoirs were substantially affected by sand injection the geological community had taken only occasional interest since they were first documented by Murchison (1827).

The upward injection of sand requires the pore pressure in a sand body to exceed the fracture pressure of an overlying/encasing seal so that sand can fluidise and intrude into a propagating fracture-network. Because of these relatively simple physical requirements and constraints it is hardly surprising that sand injection occurs with similar geometries over wide range of scales in the geological record. What is perhaps more surprising is the large sizes and volumes of some sand injectites and hence the magnitude of events that may be needed to trigger and maintain the fluidisation of many 10’s of km³ of sand during shallow burial.

Using data from outcrops and the sub-surface the architecture of regionally-developed sand injectites will be presented. Processes by which sand is fluidised and injected and the signature preserved in the rock record will be demonstrated and discussed thus providing some insight into the genetic framework for sand injection in the shallow crust.

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

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