

# PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

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<b>Venue:</b>	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.	<a href="http://www.pgknet.nl">www.pgknet.nl</a>	
<b>Membership:</b>	Apply for membership by contacting the secretariat. The annual fee is €15.-		
<b>Accounts:</b>	Fortis Bank: 88.65.82.733 (PGK, Den Haag)		

## MAY 2005 NEWSLETTER

### **18 MAY: MONTHLY MEETING**

The next PGK meeting will be on **Wednesday, May 18th, 2005**. As usual, social hour (free drinks) will be from 17:00 to 18:00 hrs. The lecture will be given by **Patrick Denby (Agip-KCO)** on:

**“Miscible gas injection challenges in a thick carbonate volatile oil reservoir”**

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

### **JUNE MEETING:**

The June meeting will be a joint SPE/DPS/PGK meeting which will take place on **Monday, 20<sup>th</sup> June**. Please note that it will be on a **MONDAY**, and will be held at the **Applied Earth Sciences Dept., in Delft**. As usual, social hour (free drinks) will be between 17:00 and 18:00 hrs, followed by a lecture. After the talk, everyone is cordially invited to attend the BBQ dinner in the courtyard of the Mijnbouw building. The costs will be approximately €15,- per person. Please register with the secretary: [secretary@pgknet.nl](mailto:secretary@pgknet.nl), or ☎ 070-3124971. Please check the PGK website and upcoming newsletter for more details soon.

### **NEW MEMBERS:**

Applications for memberships have been received from Gerben de Jager (Wintershall Noordzee) and Constantijn Raap (Fugro Engineers). If no objections are received prior to or during the next meeting, they are automatically admitted as members of our society.

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**Monthly meeting:** Wednesday 18 May 2005  
**Address:** KIVI building, Prinsessegracht 23, Den Haag  
**Social hour:** (free drinks) between 17:00 and 18:00 hrs  
**Lecture:** at 18:00 hrs

## “Miscible gas injection challenges in a thick carbonate volatile oil reservoir”

Patrick Denby (Agip-KCO)

**ABSTRACT** – This presentation has been based on a paper given in April at the EAGE IOR conference in Budapest. It will focus on a number of unusual challenges with the development by miscible gas re-injection of Kashagan field situated in the North Caspian. The Kashagan field was discovered in 2000 and is reported to be the largest oil field to be discovered in the past three decades: It is being developed by Agip KCO, headquartered here in the Hague.

The Kashagan field is a highly pressured sour carbonate oil reservoir. Due to the lack of a significant local gas market and the cost associated with treating the sour products, re-injection of the associated gas is intended from early in the field development. This is not only environmentally and economically very sound, but will also significantly enhance the recovery efficiency due to the first contact miscibility of the highly undersaturated oil and its sour associated gas.

Planning and commitments for the gas injection scheme must be made prior to first production and are thus at a time when reservoir uncertainties are still high. This has resulted in a requirement for greater flexibility in both well and facilities designs and the need for mitigation plans to cover for negative outcomes and to capture potential upside. The different environments of deposition dictate some regions to be more suitable for gas injection than others: this will be explained.

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

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