



PGK

Petroleum Geologische Kring

www.pgknet.nl
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Chairman:	Aafke Bouma	0611039884	chairman@pgknet.nl
Vice-chairman:	Paul Huibregtse	0630805984	vice-chairman@pgknet.nl
Excursions:	Geert-Jan Vis Mart Zijp	088-8662276	geert-jan.vis@tno.nl mart.zijp@tno.nl
Webmaster:	Gijs Straathof	070-3124960	gijs.straathof@sgs.com
Secretary:	Lida-Maria Soukouli Panterra Geoconsultants B.V. Weversbaan 1-3 2352 BZ Leiderdorp secretary@pgknet.nl	Treasurer:	Frederic Fügel GDF SUEZ E&P Nederland B.V. Einsteinlaan 10 2719 EP Zoetermeer treasurer@pgknet.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.

OCTOBER 2014 NEWSLETTER

Membership dues

Please remember to pay your 2014 membership dues of €15 to the following bank account: NL14ABNA0886582733, PGK, Den Haag. Please make sure to mention your "name" and "PGK fee 2014" in the subject.

8th October, 2014: CGG talk by Brian Russell

Information: To demystify AVO techniques, CGG GeoSoftware, in partnership with PGK, would like to invite you to a special evening with Brian Russell (Hampson-Russell co-founder) where Brian will try to shed some light on these new techniques and give you an appreciation of how they are inter-related and where they can best be used. We can guarantee that it will be a very interesting discussion!

Program: 17:00 PM - 18:00 PM: Welcome drink and canapes
18:00 PM - 19:00 PM: Brian Russell's Talk
19:00 PM - 20:00 PM: Drinks and snacks / Networking

Venue: Carlton Ambassador Hotel, Sophialaan 2, 2514JP The Hague, The Netherlands.

Registration open here: <http://www.cgg.com/CourseDetails.aspx?cid=9296&lang=1>



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15th October, 2014: monthly PGK meeting

We will host an interesting lecture this month on “*The L5a License, the hottest block offshore*” by Robert Aalpol (GDF Suez). Please find more details below.

Program: 17:00-18:00 social hour
18:00-19:00 presentation and discussion

Venue: KIVI building, Prinsessegracht 23, 2514 AP, Den Haag

New Members

Applications for membership have been received from Rachel Brackenridge (Shell), Aly Brandenburg (Shell), Silvestre Donselaar, Jan Schneider (Xodus), Heather Wilson (Shell), Johannes van der Eem (Essential Petro Services). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.

Also, we encourage our members to become members of our umbrella organisation, **KNGMG**. You can check more info here: <http://www.kngmg.nl>

Website

The link to our website is www.pgknet.nl. Check there for the latest news on meetings, events, excursions, jobs, membership. If you come across interesting websites that may be of use to other members of the PGK, please send the URL to the web master (gijs.straathof@sgs.com), who will share them on the PGK website.

Twitter

We are now on Twitter @PGKring. The account shall be used to announce events, send reminders for events and occasionally to re-tweet interesting items. So follow us on twitter!

Linkedin

We also have a group on linked-in (called PGK), that our members may join. Any member of the group is free to list subjects there. Requests to the secretary for linked-in contacts will be ignored, as the secretary function does not have a linked-in account.



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Abstracts

Demystifying AVO: an evening with Brian Russell (CGG)

Who hasn't ever heard comments such as "This latest AVO technique is much better than the previous one", or "We will need to run this new process on your gathers to help us in the AVO analysis. To the interpreting geoscientist, you often just have to trust that the specialist geophysicist will use this new technique to give you a better result, and resign yourself to the fact that you will never really understand the details. To demystify those new techniques, CGG GeoSoftware, in partnership with PGK, would like to invite you to a special evening with Brian Russell (Hampson-Russell co-founder) where Brian will try to shed some light on these new techniques and give you an appreciation of how they are inter-related and where they can best be used. We can guarantee that it will be a very interesting discussion!

Biography:

Brian Russell started his career in 1976 at Chevron Standard in Calgary as an exploration geophysicist and also worked for Chevron Geosciences in Houston. He then worked for Teknica Resource Development as a senior explorationist, Veritas Seismic as a research and training geophysicist, and Veritas Software as a vice president of marketing and training.

In 1987, Brian co-founded Hampson-Russell Software Services Ltd. along with Dan Hampson, and is currently vice president of the company. Hampson-Russell Software develops interpretive processing software for the international exploration industry, specializing in inversion and modeling programs.

"The L5a License, the hottest block offshore!"

By Robert Aalpol

The L5a license is located in the center of the Dutch offshore area. Geologically it is at the southern tip of the Dutch Central Graben, bounded by the Cleaver Bank High to the West, the Central Offshore Saddle to the South and the Schillgrund High to the East. Right at this place most of the main Dutch hydrocarbon plays are working: even though the license is relatively small, it holds Rotliegend and Triassic gas fields and an Upper Jurassic oil field.

NAM was the first operator of the license L5 and drilled 2 dry wells targeting oil in the Upper Jurassic. After these first wells they relinquished the southern part (1980) and focused on the new L5a license. The third well in 1983 found oil in the Upper Jurassic. The L5-5 in 1988 discovered a 17 BCM gas field in the Triassic Volpriehausen reservoir, which was developed during the nineties and is still an excellent producer. In the next decade the Rotliegend play was tested successfully by Wintershall in the southern L5b license, but L5a was just producing without any further exploration drilling. To the North, in license L2, the Rotliegend was tested unsuccessfully, and the focus remained there on the Triassic producers only.

GDF SUEZ acquired the L5a license from NAM as part of the NOGAT assets sale in 2008 and drilled their first exploration well in 2009. A dual target well first explored a Volpriehausen structure, but found the



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reservoir to be tight. The side-track of this well in 2010 found the Rotliegend Sierra prospect gas bearing. This well, the L5-12ST1, is classified as an HPHT well with the highest recorded temperature and one of the highest pressures in the Dutch offshore. Within a few weeks of the discovery a new 3D seismic survey over L5a was acquired. An appraisal campaign for the stranded Upper Jurassic oil field was started and based on the new seismic data and new geological models, two appraisal wells were drilled in 2013. The L5a-D production platform was also installed in 2013 and the first production well in the Rotliegend is planned to come on stream later this year. This will be followed by an exploration well to another Rotliegend HPHT prospect.

So within 5 years after the acquisition the L5a license has become one of the most active and interesting assets in the Dutch offshore!

Biography:

Robert Aalpol graduated in 2002 in Utrecht as a geologist. In 2003 he joined Gaz de France (Now GDF SUEZ) as the paper archivist hidden in the basement. Nowadays he works as a seismic interpreter and geologist with the main focus on the L5a license.

The following companies are warmly thanked for sponsoring the PGK:

Argo Geological Consultants - Baker Hughes Reservoir Software

Chevron Exploration and Production Netherlands

CGG Services - Centrica Energy - Dana Petroleum Netherlands B.V. - dGB Earth Sciences

Dyas - EBN - ENRES International - Fugro - GDF Suez E&P Nederland

Global Pacific & Partners - Hansa Hydrocarbons - NAM - Oranje Nassau Energie

Shell Exploration & Production - Terra Incognita Geoconsultancy and Geobooks

PanTerra Geoconsultants - PGS Geophysical - SGS Horizon

TNO - Total E&P Nederland - Vermilion Energy - Wintershall Noordzee - Xodus Group