



PGK

Petroleum Geologische Kring

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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 through the PGK website. The annual fee is €15.-		
Accounts:	ABN/AMRO Bank: 88.65.82.733 (PGK, Den Haag)		

JUNE 2012 NEWSLETTER

Monday 18th of June: Joint PGK – SPE – DPS event and annual BBQ

The next PGK meeting will be on **Monday, June 18th, 2012** at the **Carlton Beach Hotel, Gevers Deynootweg 201, 2586 HZ Scheveningen (map)** - at the end of the boulevard, near Zwarte Pad). This meeting will be organised together with the SPE and DPS, and will consist of a BBQ and mini-symposium on shale gas:

17:00-18:00 hrs:

Social hour

18:00-19:00 hrs:

Mini-symposium on shale gas with lectures by:

Coen Leo (Sorgenia)

:Sorgenia's shale gas adventure in Poland

Henk Duyverman (Cuadrilla Resources)

Shale gas: doing the job right

Abstracts on separate page

19:00 hrs - : Annual BBQ

Registration: As we have made reservations for a fixed number of people, please register before June 14th through the website (www.pgknet.nl) or this link: [Register here](#). Payment of €35 should be cash upon arrival, students pay €20. Registration will be seen as a firm commitment and in case of no show you will be billed.

NEXT PGK MEETING:

There will be no meetings during July and August, but join us again for our September meeting on Wednesday, 19th of September 2012, with a talk by Vincent Vandeweijer on "The challenges of monitoring CO2 storage - Examples of Sleipner and K12-B"

NEW MEMBERS

Application for membership has been received from Paulina Grunwald (Scientific Drilling), Geir Jansson (Shell), Anton Koopman (Shell), Ingeborg Kraaij (Argo), Andreas Paul (SGS Horizon), Jens Warnsloh (GeoMedia Warnsloh). If no objections are received prior to or during the next meeting, they will be admitted as members of our society.



Program PGK meeting Monday June 18th, 2012

Address: Carlton Beach Hotel, Gevers Deynootweg 201, 2586 HZ Scheveningen

Social hour: 17:00 - 18:00

Lecture: 18:00 - 19:00: Mini-symposium on shale gas with lectures by:

Coen Leo (Sorgenia)

Sorgenia's shale gas adventure in Poland

Abstract

Sorgenia became active in the shale gas hunt in Poland in 2009 and was one of the first companies to explore shale gas potential in Europe, and more specific in Poland.

Sorgenia evaluated several areas in Poland and finally came to the conclusion that the Baltic Basin would have the highest potential for several reasons such as maturity, shale thickness, shale distribution, rock competence, TOC content and structural basin configuration.

Sorgenia farmed-in to Saponis, a company owning 3 licences in the Baltic Region, and managed by BNK.

Many wells have been drilled in Poland in the communist era as part of a country wide evaluation plan. Some wells were drilled for commercial reasons, but also many for stratigraphic reasons. Especially the latter was thru in the Baltic Basin, and many wells were drilled for stratigraphic graptolite analysis of the Silurian section. Thousands meter of core are available from wells as deep as 4000m. On the contrary, seismic data was acquired mostly in conventional hydrocarbon areas, and the Saponis licence areas are void of seismic.

Saponis has drilled 3 vertical wells in 2010-2011, fraced one of the wells, acquired around 470 km of 2D seismic data, and carried out a grav/mag study of the basin.

The first exploration wells were drilled based on very sparse data and reservoir parameter distribution models. The wells confirmed the stratigraphy and the shale gas potential of Silurian, Ordovician and Cambrian intervals, with the best potential concentrated in the Ordovician and upper section of the Cambrian.

The exploration programme focused on obtaining data for further analysis. A total of 340 m of whole core and in excess of 400 sidewall samples were collectively taken from the three wells. The samples have been analysed for all the many parameters relevant to shale gas characterization, including gas content and gas composition, porosity, permeability, saturation, mineralogy, geomechanics, petrography, maturity, TOC, etc. Wireline logging was carried out on all wells using the appropriate suite of logs for shale gas analysis. Logs and laboratory tests have then been combined to give petrophysical and geomechanical models, and to carry out volumetric calculations.

Based on the analysis of the data one well was selected for a vertical frac, which was carried out in the 4th Quarter last year. The frac demonstrated gas at surface, but failed to place enough proppant in the induced hydraulic fractures. New permitting was required to drill the next three wells in 2013, which gives Saponis the time to evaluate the best completion strategy to further the potential of the basin.

Promotion of shale gas is another important focus point of Saponis. Polish government and most local stakeholders are in favor of the hunt for gas. Saponis helps through information, education, openness and local support to stimulate acceptance of shale gas activities.



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Henk Duyverman (Cuadrilla Resources)

Shale gas: doing the job right

Abstract

Shale gas is proceeding in Europe, albeit at a slower pace than in the US and Canada. Cuadrilla Resources had been exploring in UK, NL and Poland since 2008.

An update will be given of our European activities with as highlights the 200 Tcf discovered in Lancashire, the political and environmental in NL, and the status of Cuadrilla in Poland. Furthermore resource calculations, seismic studies and water studies will be addressed.

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

EXCURSIONS

Geology and mineralogy of the Pyrenees and Tresp Basin: September 22 – 26/26 – 30

This fieldtrip will be organised together with the Nederlandse Kring Aardse Materialen (NKAM). The theme is "source to sink". Three days source (hardrock) in the Pyrenees, the 26th Barcelona and the next three days Tresp Basin, studying the sink (sediments). It is possible to attend only the first or only the second part, hence the extra day in Barcelona. More information will follow – see also the website.

Thanks to our sponsors:

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Baker Hughes Reservoir Software is a newly formed commercial software group developing innovative, tightly integrated software solutions in the fields of G&G subsurface modeling, geomechanics, and hydraulic fracturing simulation and analysis. Our flagship product is the subsurface modeling tool JewelSuite (www.bakerhughes.com/jewelsuite) that integrates workflows all the way from seismic to simulation in an easy to use .Net based application. Our products are based on the quickly expanding JewelEarth platform that is available to our customers for proprietary developments.

The Reservoir Software group is quickly expanding its global operations and is now seeking talented and motivated professionals to join our dynamic organization.

Product Manager JewelSuite (geologist) – Delft

Job Summary: This position is focused on driving JewelSuite product development utilizing geological domain expertise and understanding of market requirements. You will be the conduit for our customers as we determine market requirements and create value propositions through new innovative functionality and workflows.

For this role, we are looking for a positive, energetic geologist with strong communication skills and a minimum of 10 years industry experience.

Requirements:

- Scientific education as geologist. >10 years industry experience
- Extensive experience with Irap-RMS / Petrel / Gocad-SKUA, either as staff of Roxar, SIS, EDS, Paradigm, or as modeler with oil & gas operators or service/contract companies. Deep understanding of general geomodeling workflows
- Affinity with software development, software tools; likes to see own ideas about optimum methods, workflows and user interfaces realised in a modern subsurface modeling package.
- Effective collaboration skills to work with senior developers, development leads, as well as the sales & marketing organization
- Technical writing – industry publications, and “go-to-market” material (tech sheets, brochures)
- Strong problem solving skills, passion for innovation, and a drive for results.

Key Responsibilities:

- Prioritization of developments, defining roadmap
- Specifying market requirements (and prioritization of) for current and future JewelSuite workflows and modules by conducting market research supported by on-going visits to customers and non-customers.
- Core content creation for Marketing and Sales; Assist development and implementation of go-to-market plan (product positioning, key benefits, target customers)