



## NEWSLETTER March 2008

I'm very please to announce that our February evening meeting was a great success, as a large audience attended a very informative talk from one of our own committee members, VP Membership Assia Belhaouas of Petro-Canada.

The LPS membership stands at 97 (bravo once again Assia) but **Are you a LPS member?** If not, contact Assia as soon as possible with your renewal or joining fees. (Membership form attached).

Much of my time this year so far, along with that of VP Seminars Robert Webber, has been spent organising our first 2008 One-Day Seminar, to be held at Burlington House on 27<sup>th</sup> March.

The seminar is entitled “**Tools and Techniques for Successful Reservoir Monitoring and Management**” and its scope will revolve around the downhole and subsurface data measurement requirements of long term field management. This is a wide ranging topic encompassing, at the field scale, 4D or Life of Field Seismic, (LoFS), and, at the well scale, “smart well” and “intelligent completion” technologies such as downhole pressure measurements, fibre optics distributed temperature measurements and flow metering and control devices. There will also be presentations on cased hole logging technologies and finally some talks on of the visions of the future such as the automated Digital Oilfield Solutions that are starting to be applied by a number of operators and service companies.

A poster for the seminar and a detailed agenda is included in the Newsletter below and I would ask you to take a good look at it. I hope you will conclude that the high quality agenda and reasonable price for the day combines to give excellent value. Please also disseminate information on the day to others in your respective organisations. The talks should be of interest to all geoscience and engineering professionals, not just petrophysicists. That way we should be able to maximise both the attendance and the value of the day for the audience. Registration forms are available herein or on the website at [www.lps.org.uk](http://www.lps.org.uk)

One further reminder is that as we will be holding a seminar in March we have decided not to hold an evening talk in March. The committee have felt for a while that holding two events close together is counter productive as it forces some members into an either/or decision and dilutes both attendance and the effort that the committee can make in making events successful. This is an experiment, if the membership have any comments to make we'll be glad to take them on board.

Regards

**Jonathan Lean: LPS President**



**From VP Treasurer, Mike Millar;**

“A big thank you to BG-Group, Baker-Hughes, Hess, Schlumberger and Shell for sponsoring our 2008 University Open-day.

And many thanks to the following wonderful companies who have agreed to sponsor the LPS website for 2008; Baker-Hughes, BP, Centrica, Halliburton, Hess, ResLab UK, RWE-DEA, Schlumberger, Senergy, Tullow and Weatherford.

The LPS exists to promote, for the public benefit, education and knowledge in the scientific and technical aspects of formation evaluation. We do this through meetings and seminars, University student support grants, Petrophysics Open Days and other educational support.

We rely on our sponsors to provide the funding for these activities and it is their logos which you see on our website. For £750 per year you can have your logo on [www.lps.org.uk](http://www.lps.org.uk) with a link to a URL of your choice and you also can place an advertisement in the Market Place section of the website free of charge. The LPS is a registered charity (1020083). Please contact the Treasurer ([mike.millar@petro-canada.com](mailto:mike.millar@petro-canada.com)) if you are interested in supporting our work.”

**Dates for Your Diary**

**Thursday, 27<sup>th</sup> March, One-Day Seminar “Tools and Techniques for Successful Reservoir Monitoring and Management”** **Burlington House**

**Monday 21st April, Evening Talk - Topic to be Arranged** **Burlington House**



## Subsurface Monitoring in Field Management

Thursday 27<sup>th</sup> March 2008 at Geological Society, London

### Draft Agenda

Time	Speaker	Title	Company
9.25	Jonathan Lean	Welcome	LPS
9.30	Francis Boundy	Keynote: Subsurface Data Requirements in Reservoir Management	Hess
10:00	Colin MacBeth	What petro-elastic model should we use when interpreting 4D seismic data?	Heriot-Watt University
10.30	Robert Webber	Integration of seismic data to achieve the best possible dynamic reservoir model.	Fugro-Jason
11.00	COFFEE BREAK		
11.30	Patrick Crossouard	Blasting More & More friendly Neutrons to track Fluid Distributions across Hydrocarbon producing and storage Reservoirs	Petrophysical Consultants Ltd.
12.00	Vikas Bhushan	Advanced Logging Applications for Brownfield Optimisation	Shell
12.30	Kai Sun	Some Experiences with Modelling Downhole Flow Management	Baker Oil Tools
13.00	LUNCH		
14.00	John Campbell	Intelligent Well Monitoring to optimize production in multi-zone applications	Baker Hughes ProductionQuest
14.30	David Blacklaw	Combining Monitoring and Flow Control for Reservoir Management	WellDynamics
15.00	George Brown	Monitoring Multi-Layer Reservoirs using Permanently Installed Fiber Optic Distributed Temperature Measurements	Schlumberger
15.30	TEA		
16:00	Nicholas Gibson	Integrated Operations and Decision Environments	Kongsberg Intellifield
16.30	Chris Reddick	BP's Field of The Future Program – Delivering Production and Recovery	BP
17.00	Wine and Savouries		



# ***Reservoir Monitoring Seminar***

*The London Petrophysical Society announces a one day seminar on:*

## ***Tools and techniques for successful reservoir monitoring and management***

*Thursday 27<sup>th</sup> March 2008 at the Geological Society, London*

### **Who Should Attend?**

Petrophysicists, geologists, geophysicists, reservoir engineers, production engineers, technical assistants and support staff; all those who are involved or interested in; subsurface data acquisition, associated technology and field monitoring and management over the full life of a field development.

### **Why?**

Life of Field Monitoring, Smart Wells, Intelligent Completions, Digital Oilfields; These terms attempt to convey a vision for oil and gas field management, where permanently installed sensors combine with automated well and facility technologies and relay information back in real time to decision centres. But what is the current reality of the subsurface measurements that form the basis of much of this vision? What might be possible in the future?

### **The technical program includes:**

The basics of hydrocarbon field management, what data is required over the life of the field for efficient depletion? How 4D Life of Field Seismic data can be used to monitor pressure and saturation changes at the field scale. How, at the well scale, permanent downhole sensors and real time transmission data are already being used in smart wells and intelligent completion technologies. How this can all be combined into "digital oilfield" systems and a vision of the future of field management.

### **Presentations by:**

Baker Oil Tools, Baker ProductionQuest, BP, Heriot-Watt University, Hess, Schlumberger, Shell, WellDynamics and others from the oil company, service company and contractor sectors (final agenda to be confirmed).

### **Registration Cost:**

£150 for LPS/PESGB/AFES/SPE Members

£175 for Non-members (LPS is not VAT registered)

For further information visit: <http://www.lps.org.uk> or e-mail [rwebber@fugro-jason.com](mailto:rwebber@fugro-jason.com)



**From Dr. Steve Cuddy, Chairman SPWLA 2008**

Dear Colleagues,

This Symposium is now open for registration. Details can be found at [www.spwla2008.com](http://www.spwla2008.com) and the brochure downloaded from [www.spwla.org](http://www.spwla.org)

The event is being held in Scotland at the *Edinburgh International Conference Centre*. With 50 oral presentations and 35 posters chosen from 300 submitted abstracts there is a great technical program.

The Symposium starts with an optional field trip visiting geological formations near Edinburgh which are analogues for hydrocarbon bearing formations found beneath the North Sea.

On the Sunday there are four all day short courses:

- 1 - Well Testing by Prof. Shiyi Zheng, Heriot-Watt University
- 2 - Reservoir Geomechanics for Petrophysicists by Dr. Abbas Khaksar of Helix RDS
- 3 - Core Analysis by Colin McPhee, Senergy
- 4 - Practical NMR Interpretation by Dr. Paul Basan, RPS Energy, and Dr. Ben Lowden, RPS Group

There is a Exhibition of the latest technology – with over 30 companies participating.

Schlumberger will host a Icebreaker on Sunday evening at an exclusive event at Edinburgh Castle. Baker Hughes, Weatherford and Halliburton will be also be hosting free social events on the other three evenings. There is a Golf Tournament at Gullane, which been used for Open Championship Qualifying.

Organised day trips include the Rosslyn Chapel (of Da Vinci Code fame), the Royal Yacht Britannia, Holyrood House, the Falkirk Wheel, the Antonine (Roman) Wall and the Forth Rail Bridge.

Spaces are limited for all technical and social events and early booking is recommended.

Regards  
Steve

Dr. Steve Cuddy  
Chairman SPWLA 2008



## Membership Form 2008

<b>Type of membership:</b> (* delete as appropriate )	<b>* new member</b>	<b>* renewal</b>	<b>* student</b>
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### Member Information

<b>Title &amp; First Name:</b>		<b>Surname:</b>	
<b>Company &amp; Address:</b>			
<b>Postcode:</b>		<b>Email:</b>	
<b>Tel:</b>		<b>Job Title:</b>	

**Your monthly Newsletter will be sent by email**

The information you provide is for the internal use of the Society

### Methods of Payment

Payment can be made by cheque or credit card (£25). Cheques should be made payable to "London Petrophysical Society". There is no membership fee due for students, but a completed membership form is required.

Card Types: Visa / Mastercard (only)

Card Number: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Expiry Date: \_\_\_\_\_ / \_\_\_\_\_

Please send this form (enclosing cheque or card details) to:

Assia Belhaouas  
Petro-Canada  
1 London Bridge  
London  
SE1 9BG

<b>Do you require a receipt?</b> (* delete as appropriate )	<b>* yes</b>	<b>* no</b>
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If you have any queries on membership please email VP Membership:  
assia.belhaouas@petro-canada.com