



NEWSLETTER: September 2009

Message from the LPS President:

The committee of the LPS is pleased to announce that our academic award scheme will be named after our colleague and friend Iain Hillier. As you may know Iain sadly passed away in May after a long battle against cancer, and his absence is keenly felt on the LPS and London oil field community "scene." We feel that this is a fitting memorial to Iain who gave so much of this time working on the committee. He was very supportive of our educational work, as well as making significant contributions to our website and our other publications over many years of service. As such please have a look at the details of the academic grant and bursary award scheme. Do you work with students doing work experience or projects in your organizations who would benefit? If so please inform them that funds may be available for study and project work with a petrophysical flavour.

With summer holidays now over the LPS Committee are looking forward to the rest of the year and beyond. A number of interesting evening meetings and topical seminars are in the pipeline and we will be giving you more details on these in the next few months as arrangements are finalised.

First up is the autumn one day seminar on Thursday 10th September, to be held as per normal at Burlington House. This seminar will focus on cased hole evaluation tools and techniques and more details, including a full agenda, are available further on in the newsletter. It should be a great day of talks for anyone involved in development petrophysics and well decision making.

Our first evening meeting after the break will take place on Monday 14th September. Again you will see an Abstract for the evening talks overleaf. Please come along and listen to what I hope will be an interesting and unusual evening of talks on unconventional petroleum resources.

Looking ahead to the AGM in November, some positions on the committee may be up for election. Please give consideration as to whether you, or one of your colleagues would like to stand for election. The roles require varied amounts of time commitment and hence hopefully we could find something to fit with your 'real job'. Please free to contact Patrick Crossouard or any member of the committee if you have any questions or suggestions.

Regards

Jonathan Lean LPS President



Dates for Your Diary

Thursday 10th September, LPS One Day Seminar, Geological Society, London, Piccadilly – “Principles and Application of Cased Hole and Production Log Petrophysics.

Monday 14th September, LPS Monthly Evening Meeting, 6pm, Geological Society, London, Piccadilly – “Coal Logging, Interpretation, and Coal-Bed Methane” – Roger Samworth, Weatherford . Plus “An Overview of UK Coal-bed Methane Activity” - Graham Dean, Reach Coal Seam Gas.

Monday 19th October, LPS Monthly Evening Meeting, 6pm, Geological Society, London, Piccadilly.

Monday 16th November, LPS AGM, Geological Society, London, Piccadilly.

Monday 14th December, LPS One Day Seminar, Geological Society, London, Piccadilly – “Basic Petrophysics – Capillary Pressure and Saturation Height Functions”.

Coal Logging, Interpretation, and Coal-Bed Methane

Roger Samworth, Research Director, Weatherford, East Leake

30 years ago, the general wisdom was that by now, the entire world’s oil would have been exhausted. We would be running on a coal-based energy economy; steam engines would be puffing around, and no-one concerned themselves about global warming. As we know, this was not the eventual scenario, coal being considered as a significant contributor to climate change. Nevertheless, there is a revival in the interest in coal, mainly as a source of coal-bed methane, and in the longer term for in-situ gasification and as a sink for carbon dioxide sequestration.

The best results in logging for coal are obtained using somewhat different concepts and techniques than those generally used for hydrocarbons. Higher resolutions are also generally required, and although recent developments such as micro-resistivity imaging are immensely valuable for coal, more traditional logs are still necessary. High-resolution density logs, for example, remain a key measurement.

Although these techniques were employed intensively during the coal “boom” times they have tended to have been forgotten in the more recent past, despite the fact that many of the methods can also be usefully employed for hydrocarbons, as these resources become scarcer and more difficult to find.

This talk will review coal logging and interpretation techniques, and is based on the author’s Company having around 40 years continuous experience in this aspect of the business, the author himself having been involved in the design of logging tools and interpretation methods for most of this time!



Cased-Hole Formation Evaluation and Production Petrophysics

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

Tools and Techniques for Successful Cased Hole Formation Evaluation and Production Petrophysics

Thursday 10th September 2009 at the Geological Society, London

Who Should Attend?

Petrophysicists, geologists, 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?

Cased-hole and Production Petrophysics is growing in importance with the increasing maturity of the North Sea and associated basins. The evaluation of formations and fluid movements behind casing, the evaluation of well integrity and the integration of production logs into reservoir models requires a different choice of tools and techniques to analyse reservoir potential and optimise field performance.

The technical program includes:

Presentations that cover the latest tools for cased-hole logging; techniques for interpretation of cased hole logs; how production petrophysics can improve reservoir performance, the future of cased hole services, well integrity analysis and case studies to demonstrate how these techniques can be applied to answer critical reservoir management questions.

Presentations by:

Presentations will be made by service providers, consultants and oil companies including: Baker Atlas, BP, Centrica, Halliburton, Imperial College, NAM, Schlumberger, Shell & TecWel.

Registration Cost:

£150 for LPS/PESGB/AFES/SPE Members

£175 for Non-members

LPS is not VAT registered.

For further information and registration forms visit: <http://www.lps.org.uk>

or e-mail: sasthene.parker@tgsnopec.com



Cased-Hole Formation Evaluation and Production Petrophysics

Thursday 10th September 2009

Agenda

Time	Speaker	Title	Company
9.25		Welcome and Introductions	LPS
9.30	Patrick Crossouard	The GP (General Practices) for Cased Hole Surveys. Looking after the life and health of young and older wells and their formations within their hard shells	Petrophysical Ltd
10:00	Marshall Jung	An introduction and demonstration of Production Array Logging tool interpretation - your best PAL for reservoir surveillance.	Halliburton
10.30	Ross Brackenridge	Advances in Behind-Casing Fluid Saturation Measurements	Baker Atlas
11.00	COFFEE BREAK		
11.30	Tobben Tymons	The application of ultrasound to characterisation of the downhole environment.	TecWel
12.00	George Brown	Monitoring Multi-Layer Reservoirs using Permanently Installed Fiber Optic Distributed Temperature Measurements	Schlumberger
12.30	Matthew Jackson	Measurements of spontaneous potential for downhole monitoring in intelligent wells	Imperial College
13.00	LUNCH		
14.00	David Dangfa	Cased hole formation evaluation with emphasis on resistivity behind casing.	Schlumberger
14.30	Robert Meij	Successful Cased-Hole Density/Neutron Logging In Onshore NAM Well	NAM
15:00	TEA		
15.30	Jun Yan	Cased hole formation evaluation case study.	Centrica
16.00	Adrian Zett	Integrated Surveillance Enhancing Quality of Decisions and Reservoir Description in Harding	BP
16:30	Vikas Bhushan	** To be confirmed **	Shell
17.00	WINE AND SAVOURIES		

For further information and registration forms visit: <http://www.lps.org.uk>

or e-mail: sasthene.parker@tgsnopec.com



London Petrophysical Society The Iain Hillier Student Bursary and Student and University Grant Schemes

Aims: The LPS exists to promote, for the public benefit, education and knowledge in the scientific and technical aspects of formation evaluation.

To further these aims, the LPS has two schemes to provide financial support to students and universities in the form of bursaries for students, and grants for students and university departments.

The Student Bursary scheme seeks to reward post-graduate Earth Science students at English or Welsh universities who take an interest in Petrophysics in their studies.

The Student/University Grant scheme seeks to support specific projects, courses or educational activities undertaken by students or university departments which have Petrophysics as an important component.

Awards are decided by the LPS Executive Committee on the merit of each application. LPS funds are limited and an application is no guarantee of an award.

How much is each scheme worth;

Bursaries are set at £500 per student per year

Grants are set at up to £1000 per year

Who can apply:

For a Bursary; post-graduate students, studying Earth Science or Petroleum Engineering at English or Welsh universities.

For a Grant; post-graduate students, studying Earth Sciences or Petroleum Engineering at English or Welsh universities, or Earth Science or Petroleum Engineering departments at English or Welsh universities.

How can you apply:

Bursary applications are made by a form and CV.

Grant applications are to be made in writing outlining the course/project/activity and the Petrophysics content.

See our website for further details; www.lps.org.uk, or contact Mike Millar; LPS Treasurer; (mike.millar@petro-canada.com).

Follow-up:

If you are successful in receiving a Grant or Bursary, we would like to you to keep in touch. The LPS requests that you send the committee a concise report on how the money has aided your studies. You might consider a more detailed report for publication on the LPS website, or presentation at an LPS technical meeting.