Reduce risk, maximise cost-efficiency and deliver operational success in your HPHT well projects

The only summit to bring together operators, experts and contractors alike who are focused on solutions for the planning, drilling, testing and completion of HPHT projects.

Case study experience will deliver insight into how you can:
• Ensure equipment durability and survivability that is bespoke for your project
• Effectively manage the challenges of running completions equipment in HPHT environments
• Cost-effectively and time efficiently test and qualify your equipment
• Deliver a well test design that is safe and fit for purpose

Brand new for 2009
Operators' troubleshooting lounge:
An informal lounge for you to benchmark your HPHT practices and discuss your specific challenges with your peers and HPHT experts.

Plus these exceptional networking opportunities
• Operator-led interactive discussion sessions
• The world’s largest HPHT exhibition hall: Find the solutions to all your HPHT challenges
• Network with the global HPHT community at our evening gala dinner

Expert speakers include:
Senior Completions Engineer,
BG Group
HPHT Drilling Engineer,
Shell
HPHT Team Leader UK,
Maersk Oil UK
Completions Engineer,
Total E&P UK
Senior Tooling Engineer,
RWE
Production Geologist,
Shell
Drilling Manager,
Maersk Olie Og Gas
Well Engineer,
South Rub‘al-Khali Company Ltd (SRAK)
Business Development Manager - Global Technology Drilling Services,
Weatherford
Senior Scientist,
SINTEF Petroleum Research
Manager Technical Sales and Services,
Vallourec group
Regional Applications Engineer – Europe & West Africa Regions,
Enventure International L.L.C
Director of Engineering Technology,
Cameron Drilling Systems
Reservoir Solutions Manager in Europe and West Africa,
Sperry Drilling
Cement Engineering Team Leader,
BJ Services
EXTRA BENEFITS FOR YOU AT THE HPHT WELLS SUMMIT THIS YEAR

Brand new addition for 2009: Operators’ Troubleshooting Lounge
This relaxed and comfortable lounge area will provide you with the opportunity to have informal discussions regarding your specific HPHT challenges away from the larger conference audience and AV equipment! Coffee, flip charts, pens and paper will be on hand all day, for you to sit down in private with a few select individuals and have frank open discussions about your specific HPHT headaches.

PLUS at this year’s event you will also benefit from:

✔ Even more solutions to your HPHT problems with more exhibitors’ stands and HPHT information in the exhibition hall than ever before, you can explore numerous solutions for your challenges face-to-face with HPHT experts and solution providers
✔ Interactive roundtable discussions give you the opportunity to have in-depth discussions structured around your specific HPHT problems with your industry peers and experts
✔ Even more networking opportunities for the HPHT community: Whether meeting over coffee breaks, mingling over lunch or relaxing with new contacts at the evening gala dinner, this year presents even more networking opportunities for the HPHT community so that you can form contacts which will be essential to your HPHT project’s success.
**WORKSHOP A: 09.00 – 12.00**

**HPHT scale challenges, predictions and treatment**

This interactive workshop will facilitate group work with experience exchange on the prevention and treatment of scale. You will hear an overview of some of the key considerations for scale challenges through best practice case study examples. You will also engage in group discussions and exercises that will help you to understand typical challenges with gas wells or HPHT wells and the influence of scale on well integrity.

You will also examine the following questions:

- Does high calcium concentration mean more scale problems?
- How can you interpret sampled data?
- What factors affect the different scale formations?
- Which data is needed for good predictions?

**Workshop facilitators**

**Tore Larsen**, Research Scientist, SINTEF Petroleum Research

Tore Larsen has 8 years of experience working on projects for the oil and gas industry focusing on scale-salts and scale related issues. Expertise includes extensive use of the computer code “Multiscale” for designing and understanding lab experiments on scale issues as well as scale predictions in hydrocarbon producers.

**Preben Randhol**, Senior Scientist, SINTEF Petroleum Research

Preben Randhol has 13 years of experience conducting international R&D projects for the petroleum industry. He has worked closely with the industry on mineral deposition and well technology projects. Current position is Senior Scientist at Production Technology. Recent experience is on projects for improved well integrity on the Norwegian Continental Shelf.

**SPONSORS**

**Associate Sponsor** Halliburton Sperry Drilling Service offers a full line of Solar™ HPHT L/MWD technology, and recently introduced the industry’s first high temperature rotary steerable tool, the Solar Geo-Pilot® XHP system. Benefits of the Solar suite include more accurate workflow placement, faster rate of penetration (ROP) and improved hole quality in harsh drilling environments.

**Web:** [www.halliburton.com](http://www.halliburton.com)  **Phone:** 0047 5183 7000

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**Session Sponsor** Vallourec & Mannesmann Oil & Gas UK (VMOG UK) manufactures caving and tubing to the highest industry standards, for the world’s most progressive oil companies. Over the last year, VMOG UK has been facilitating the upsurge in HP-HT activity in the North Sea through a project-based approach to the most extreme exploration projects ever seen, with extensive qualification testing and dedicated manufacturing quality plans. The expertise gained through supplying casing and tubing for the Total’s Egina-Franklin and Genel projects, and Shell’s Brent Delta, has enabled us to take the lessons learned and apply them to the future HPHT projects. The VMOG range of superfine and fine grade pipes and the range of high performance fittings are all suited to the HPHT environment.

**Web:** [www.vmoing.co.uk](http://www.vmoing.co.uk)  **Fax:** +44 (0) 1224 279 341  **Email:** scott@vmoing.co.uk

**Panel Sponsor** To contact us: Use “go BJ” button on website or 001-713-462-4239 for International Sales and Marketing or 0044-1224-204104 for Aberdeen District. BJ Services have invested heavily in the development of products and equipment applicable to cementing in HPHT environments. Our ShellHaleTM cement unit is designed for extreme operational environments, and our engineers have access to wellbore temperature (WellTempTM) and electronics (GenCuffTM) systems and an extensive range of chemical additives, to create the most suitable mix for the job. This is further enhanced through application of our LOTS Long Term Isolation process. [www.bjservices.com](http://www.bjservices.com)

**Featured Exhibitor** Cabot Specialty Fluids (CSF) supplies and services cesium formate brine, the clear high-density fluid used to provide a secure well control solution in HPHT drilling, completion and intervention operations. Since 1999 cesium formate brine from CSF has been used to improve the economics and safety of more than 20 challenging HPHT well operations around the world, coping with well temperatures of up to 450 deg F. CSF maintains large stocks of 19.2 ppg cesium formate brine at service centers located in USA, UK, Norway, Latin America and Singapore. CSF’s main clients include StatoilHydro, Shell, BP, Total, ENI and ExonMobil. Cabot Specialty Fluids Ltd, Cabot House, Harriers Circle, Atlas Industrial Estate, Aberdeen AB12 3LY, Scotland  **Phone:** (44) 1224 897 223  **Fax:** (44) 1224 870 080  **Web:** [www.formatebrines.com](http://www.formatebrines.com)

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**WORKSHOP B: 12.30 – 15.30**

**Completion engineering and well test design at initial well planning stages: Critical factors for well completion success**

This hands-on workshop will explore key consideration completions at initial well test design stages.

In this interactive session, you will examine key methods to:

- Accurately define a set of operational parameters and performance rating requirements for any new equipment.
- Set approved design specifications “in stone” as soon as possible.
- Ensure that engineering feasibility work is accurate so equipment can be delivered as designed.
- Ensure adequate testing facilities (there is a technical gap for Tier III HPHT equipment an HP/HPT environment).
- Measure corrosive corrosion fluids effects on tubular integrity, pressure barrier sealing performance, well head seals, downhole mechanical seals in packers, cement sealing and structural integrity.

**Workshop facilitators**

Workshop leader to be confirmed – see website for updates [www.hphtwells.com](http://www.hphtwells.com)
CONFERENCE DAY ONE: Tuesday 24th November 2009

08.30 Coffee and registration

09.00 Chairman’s welcome

09.15 Planning the most challenging HPHT well test in the North Sea to date

The Jackdaw and Mandarin gas condensate fields, in the UK and Norway sectors respectfully, present the most hostile well conditions yet encountered in the North Sea.

This presentation will explore details of how BG has encountered and overcome many challenges in order to deliver a well test design that is safe and fit for purpose that include:

• Incremental increase in hostility of conditions rendered most existing equipment unable to cope with in situ stresses and forces
• Equipment non-conformances previously unrecognised
• Unprecedented equipment redesign and qualification performed
• Bespoke and unique surface equipment required

Bob Davidson, Senior Completions Engineer, BG Group

10.00 Culzean prospect: Lessons learned from Maersk Oil UK’s first HPHT exploration well and issues related to appraisal planning

• Hear an overview of the planning and operations experience from the Culzean prospect
• Assess various considerations for the planning of an appraisal well on the prospect taking into account well testing and data gathering to get project sanction
• Explore further plans for 2 or 3 wells to be spudded in 2010

Jim Mansen, HPHT Team Leader UK, Maersk Oil UK

10.45 Coffee and networking break

11.15 High temperature image logging: A case study

• Gain insight into a specific case study of LWD logging and gathering imaging information at high temperature
• Examine how image data allowed the client to better understand stratigraphy in real time
• Explore how the technology allows the client to enhance well bore placement in a complex reservoir

Grant Affleck, Business Development Manager, Weatherford

12.00 Ensure operational success with subsea extended well testing: Total UK’s experience

• Hear an overview of Total’s subsea extended well testing project
• Understand the major challenges Total were faced with under the conditions
• HT HP Subsea technology utilised.

Peter Urqhart, Completions Engineer, Total E&P UK

12.45 Interactive Discussion Session: HPHT wellbore cementing

• What are the important issues with HPHT Cementing?

14.30 Well integrity: Increased failures or increased awareness?

• Explore the status of sustainable well integrity and lessons learned
• Understand the major issues and challenges with HPHT well integrity

Preben Randhol, Senior Scientist, SINTEF Petroleum Research

15.15 Coffee and networking break

15.45 Solid Expandable Technology in HPHT applications

• Overview of Solid Expandables in HPHT applications
• HPHT environment application of expandables
• High Performance SET systems

Roy Campbell, Regional Applications Engineer – Europe & West Africa Regions, Enventure International L.L.C

16.30 Interactive panel discussion: Determine the factors you need to consider to ensure electronics survivability under extreme HPHT conditions

• Understand what factors you should consider when planning for the use of electronic equipment under HPHT conditions
• What is being done to combat the risk of product failure at high temperatures
• Where are the technology gaps as temperatures get hotter?

Interactive panellists include:
Dirk Boernecke, Senior Tooling Engineer, RWE
Carlos Bossi, Well Engineer, South Rub’ al-Khali Company Ltd (SRAK)

17.15 Chairman’s close and conference day one

17.00 Networking drinks reception

Join your peers in a relaxed and informal setting for this excellent networking opportunity. This is a fantastic way to establish contacts early on at the conference and to strengthen relationships with existing contacts.

18.00 Gala dinner

This excellent evening of entertainment will allow you to relax and unwind in a more informal setting with your new contacts — to really make the most of your time at the conference.
CONFERENCE DAY TWO: Wednesday 25th November 2009

08.30 Coffee and registration

09.00 Chairman’s welcome

09.15 Project management fundamentals for the successful delivery of HP/HT wells
- Selection of project and technology partners: Understand the importance of both the operator and service provider establishing a project management structure that is customised to meet the specific product challenges
- Defining realistic objectives & timescale for execution to overcome current rig & service market constraints
- Understand how the success of the QA/QC process depends on extensive and accurate communication between all project team members

Rasmus Engell, Drilling Manager, Maersk Olie Og Gas

10.00 Casing and tubing solutions for HPHT Depleted zones
- Selecting the appropriate materials and connections
- Casing with drilling applications

Stuart Cole, Manager Technical Sales and Services, Vallourec group

10.45 Coffee and networking break

11.15 The EVO 18-3/4" 20,000 psi Drilling BOP – It’s real, It’s here!
- 20,000 psi HP/HT design considerations
- Optimized solutions, BOP stack considerations
- Rig interfaces and enabling technologies

Melvyn Whitby, Director of Engineering Technology, Cameron Drilling Systems

12.00 Interactive Panel Discussion: Advanced techniques for working in depleted HPHT reservoirs
This interactive panel discussion will give you the opportunity to ask the experts about experiences with drilling in HPHT depleted reservoirs. This is your chance to find out about the techniques and technologies that are most effective and will include discussions around:
- Accurately predicting the pressure in a depleted reservoir
- Managing the risks of infill drilling
- Using reservoir modelling effectively to plan optimum well placement

Interactive panelists include:
Bruce McEwan, HPHT Drilling Engineer, Shell UK
Grant Affleck, Business Development Manager, Weatherford

12.45 Lunch and networking break

13.45 Further development of Skua, a mature Triassic HPHT Field in the Central North Sea
- Hear an overview of the Skua field
- Redeveloping Skua: Drilling through a differentially depleted reservoir, facing highly uncertain reservoir pressure
- Examine the work that has been done to date in identifying the key subsurface uncertainties and challenges in further development opportunities and reservoir management

Fiona Fairhurst, Production Geologist, Shell UK

14.30 Halliburton Sperry Drilling: Pushing the envelope in HPHT LWD and drilling systems
- Understand why LWD formation evaluation is critical to acquiring data for use in evaluating the reservoir
- Reduce the inherent risk and time associated with FE data acquisition in HPHT wells via LWD in HPHT wells
- Recent case histories will outline the benefits and significant cost savings associated with logging while drilling systems for HPHT wells

Eric Shearer, Reservoir Solutions Manager in Europe and West Africa, Sperry Drilling

15.15 Coffee and networking break

15.45 Interactive Troubleshooting Discussion: Identifying the technology gaps: Classification, design methodologies and technical challenges in ultra deep HPHT Completions
As operators’ limits are being pushed further to 20,000 to 30,000 psi and 400 to 500°F, the technology gaps associated with this new HP/HT frontier are not limited to completion equipment.

In this interactive session you will discuss the key technology gaps in the following areas:
1) Testing facilities
2) Safety measures
3) Seals
3) Cement design and performance
3) Polymers and metallurgy

Facilitated by your conference chairman

16.30 Chairman’s close and end of conference

Event partnership opportunities

Capitalise on this unique opportunity to further your business development and marketing in the HPHT marketplace. Through tailored networking, sponsors can achieve the face-to-face contact that overcrowded trade shows cannot deliver. Sponsorship options are extensive and packages can be tailor-made to suit your company’s individual needs. Most packages include targeted marketing to over 10,000 HPHT professionals and tailored networking opportunities.

For further information on exclusive profiling at the 2009 HPHT Wells Summit please call us on +44 (0) 20 7368 9300 or e-mail sponsorship@iqpc.co.uk
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To speed registration, please provide the priority code located on the mailing label or in the box below.

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Family Name ❑

Title ❑

Email ❑

Nature of business ❑

Address ❑

Postcode Country ❑

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VENUE: Mercure Ardoe House Hotel & Spa

South Deeside Road Blains, ABERDEEN, AB11 8YP, UNITED KINGDOM

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