

# Chemistry in the Oil Industry VII

## Performance in a Challenging Environment

12<sup>th</sup> – 14<sup>th</sup> November 2001, Manchester Conference Centre, UK

### PROGRAMME

#### Session 1: Environmental Issues

##### Keynote Lecture

An Overview of the Harmonised Mandatory Control System.

*Leo Henriquez (State Supervision of Mines, Ministry of Economic Affairs, The Netherlands)*

Impact of the OSPAR Decision on the Harmonised Mandatory Control Scheme on the Offshore Chemical Supply Industry.

*Melanie Thatcher (Baker Hughes INTEQ & EOSCA) and Graham Payne (Briar Technical Services Ltd & EOSCA)*

The Development and Introduction of Chemical Hazard Assessment and Risk Management (CHARM) into the Regulation of Offshore Chemicals in the OSPAR Convention Area: A Good Example of Government/Industry Co-operation or a Warning for the Future?

*Ian Still (M-I Drilling Fluids Ltd)*

Results of the EOSCA Review on the Bioaccumulation Potential of Surfactants.

*Phil McWilliams (ILAB, Bergen High Technology Centre & EOSCA) and Graham Payne (Briar Technical Services Ltd & EOSCA)*

Alkyl Phenol Based Demulsifier Resins and their Continued Use in the Offshore Oil and Gas Industry.

*P Jacques (Baker Petrolite & EOSCA), L Martin (TR Oil Services Ltd & EOSCA), C Newbigging (Champion Technologies LTD & EOSCA) and T Wardell (Uniqema & EOSCA)*

#### Session 2: New Technology

Use of Enzymes for the In-Situ Generation of Well Treatment Chemicals.

*I D McKay and R Harris (Cleansorb Ltd)*

Electrically Conductive Oil-Based Mud.

*M A Tehrani, C A Sawdon and S J M Levey (M-I Drilling Fluids UK Ltd)*

The Use of Surfactants to Generate Viscoelastic Fluids.  
*R Franklin, R Premanchandran and M Hoey (Akzo Nobel Chemicals Inc)*

Function and Application of Oilfield Chemistry in Open Hole Sand Control Completions.  
*Liz George (Shell UK Exploration & Production), M Brady, Sylvie Daniel, Bernhard Lungwitz, P Fletcher and Liz Morris (Schlumberger)*

Effective Topside Chemical Detection via a Novel Antibody Engineering Technique.  
*K A Charlton, G Strachan, A J Porter (Remedios Ltd, S M Heath and H M Bourne (TR Oil Services Ltd)*

Electrochemistry Techniques for the Prevention of Adhesion and Growth of Carbonate Scale in Both Bulk "Jar Tests" and Dynamic "Tube Blocking" Conditions.  
*G M Graham, A P Morizet, S Labille and A Neville (Heriot-Watt University)*

### **Session 3: Applications**

#### **Keynote Lecture**

The Challenges Facing Chemical Management: A BP Perspective.  
*Simon Webster and D West (BP)*

The Development and Application of Dithiocarbamate (DTC) Chemistries for Use as Flocculant Products by North Sea Operators.  
*Paul R Hart ( Baker Petrolite)*

Optimising Oilfield Oxygen Scavengers.  
*Andrew J McMahon, Alison Chalmers and Heather Macdonald (TR Oil Services Ltd)*

Enhancing Reliability, Performance and Environmental Acceptability of Subsea Hydraulic Production Control Fluids, a True Chemistry Challenge."  
*Richard Rowntree and Richard Dixon (Castrol Subsea Technology Group)*

Reservoir Drilling Fluids: Overview of Current Technology and New Potential Developments.  
*D A Ballard and C A Sawdon (M-I Drilling Fluids UK Ltd )*

A Chemical Packer for Annular Isolation in Horizontal Wells.  
*Keng Seng Chan, Bernhard Lungwitz, Radovan Rolovic, Feng Wang, and David Ward (Schlumberger)*

Increased Oil Production from Wet Wells in Sandstone Reservoirs by Modifying the Relative Permeability.

*R J R Cairns (FRSC)*

## **Session 4: Flow Assurance**

**Life Cycle Management of Scale Control within Subsea Fields and its Impact on Flow Assurance, Gulf of Mexico and the North Sea Basin.**

*Myles M Jordan, K Sjuraether, Neil Feasey, D Emmons (ONDEO Nalco Energy Services Ltd) and I R Collins (BP Upstream Technology Group)*

**New Methods for the Selection of Asphaltene Inhibitors in the Field.**

*Hans-Jörg Oschmann (TR Oil Services Ltd)*

**The Development of Advanced Kinetic Hydrate Inhibitors**

*Bob Fu (ONDEO Nalco Energy services)*

**Prediction and Solution of Asphaltene Related Problems in the Field.**

*S Asomaning and A Yen (Baker Petrolite)*