

Chemistry in the Oil Industry VIII

3rd – 5th November 2003, Manchester Conference Centre, UK

PROGRAMME

Session 1: Flow Assurance

Keynote Lecture:

Production Chemistry in the Oil Industry, The Challenges of the Future under Current Environment.

Wally Georgie, *PRIMAS Consultancy*

Reducing Viscosity of Asphaltenic Heavy Crudes via Chemical Additives

Rajiv Banavali, *Organic Specialities, Rohm & Haas*

Novel High Performance Additives for Asphaltene Control in Oil Production Operations

Jack Dunlop, *JD Horizons Limited*

Assessing the Performance of Asphaltene Inhibitors Using High Pressure Methods: The Deepwater GOM Experience

Samuel Asomaning, *Baker Petrolite*

Computer Assisted Design of Additives to Control Deposition from Oils

P Mark Rodger, *University of Warwick*

Wax in Petroleum Crude Oils & Condensates: Analytical Methods & Uses of Chemical Analyses for Flow Assurance Purposes

David W Jennings, Helen K Hager, & Klaus Weispfennig, *Baker Petrolite*

Session 2: Corrosion and Biological Control

Localised Corrosion and Inhibition of Oil and Gas Production Systems

Wai Yeung Mok and Alyn E Jenkins, *Baker Petrolite*

Characterisation of an Integrated Pipe Flow Loop, RCE and Jet Impingement System by Limiting Currents Measurements

Ajee D Mamman, Matt Garden, Scott Caird and Kay Sowerby, *Roemex Ltd*

Implementation of an Anthraquinone Treatment Program to Reduce Hydrogen Sulfide Generation in a Produced Water Handling System

Edward D Burger, *EB Technologies*; William A Hadrys III, *Baker Petrolite*; Douglas D Weybright, *ChevronTexaco*

The Use of DBNPA to Clean Up RO-membranes from Biofilms

Ralph Pahnke, Blaise Henry and Jim Summerfield; *The Dow Chemical Company*

Session 3: Scale Control

Natural Sulphate Ion Stripping During Seawater Flooding in Chalk Reservoirs

Eric Mackay, *Heriot-Watt University* and Myles M Jordan, *ONDEO Nalco Energy Services*

Scale Inhibitor Surface Interactions Using Synchrotron Radiation Techniques

Gordon M Graham, *Scaled Solutions Ltd.* and Alison J B Hennessy, *Edinburgh University*

Session 4: Environment and Separation

Keynote Lecture:

Implementation of OSPAR Decision 2000/2 -The Offshore Chemicals Regulations 2002

Angus B Laurie, *DTI*

It's a Bit Different on the Other Side of the Pond or - Discharge Regulations in the US Gulf of Mexico

John Hall, *Halliburton Energy Services*

Moving Towards Substance-Based Toxicity Testing to Meet New OSPAR Requirements

Melanie Thatcher, *Baker Hughes Inteq & EOSCA* and Graham Payne, *Briar Technical Services Ltd & EOSCA*

Oilfield Chemical Residues in Produced Water Discharges: Experimentally Determined Concentrations of Corrosion Inhibitors and Demulsifiers versus CHARM Predictions

Steve Grigson and Simona Gagliardi, *Heriot-Watt University*

Changes in the Composition of Base Oils after Thermal Recovery Treatments

Tim G J Jones, *Schlumberger Cambridge Research*; Mark W Sanders, *M-I L.L.C.*; and Bryan D Chambers, *BP*

Something Old, Something New - A Discussion about Demulsifiers

Terry Balson, *Consultant*

Crude Oil/Water Interface Destabilisation

Christine Noik, Christine Dalmazzone, *Institut Français du Pétrole*; L Komunjer, I Pezron, D Clause, *Université de Technologie de Compiègne, France*

Session 5: Drilling Fluids

Use of Viscoelastic Surfactant Systems in Drill-in and Completion Fluids

Reinaldo C Navarrete, *Akzo Nobel Surface Chemistry*

Optimized Internal Breaker System for Improved Filter Cake Degradation

Dave Ballard, Trevor Jappy, Charles Svoboda, David Knox, *MI Research and Technology Centre*

Reducing Barite Sag in Oil-Based Drilling Fluids

Ahmadi Tehrani, John Chapman and Alison Fraser, *M-I Drilling Fluids UK (LTD)*

A Comparison of Mechanisms of Novel Chemistries Used to Inhibit Shale Swelling: Molecular Modelling and Experimental Investigations

Michelle Carrier, Edo Boek, Dave Evans, Arben Jusufi, Bernadette Craster, *Schlumberger*