Chemical EOR Workshop - Key Success Factors

10-12 May 2017
Novotel Hotel La Défense/Paris, France
3rd edition

PRELIMINARY PROGRAM
**Wednesday May 10th**

08:30 – 09:15  
**Registration**

09:15 – 09:30  
**Welcome & Introduction (IFPEN)**

**SESSION 1: Heavy and extra-heavy oil reservoirs**  
*Chairpersons: Danielle Morel (Total); Dag Chun Standnes (Statoil ASA); Morgane Pigeaux (IFPEN)*

09:30 – 10:00  
Challenges and learnings from a heavy oil polymer flood in Albania  
Nestor Hernandez (Bankers Petroleum Ltd) et al.

10:00 – 10:30  
Interpretation of a polymer flood pilot in heavy oil  
Eric Delamaide (IFP Technologies Canada) et al.

10:30 – 11:00  
Coffee Break

11:00 – 11:30  
Results and interpretation of a high viscous polymer injection test  
Daniel Rubalcava (PDO), Nasser Al-Azri (PDO)

11:30 – 12:00  
Designing surfactant-polymer processes for heavy oil reservoirs: case studies  
David Rousseau (IFPEN), Sabrina Hocine (Solvay), Samir Bekri (IFPEN), Jalila Boujlel (IFPEN), Guillaume Degré (Solvay)

12:00 – 13:30  
Lunch

14:00  
**Bus to IFPEN**

14:30 – 17:30  
IFPEN lab visit

17:30  
**Bus to Novotel hotel**
**Thursday May 11**

08:30 – 09:00 Registration

**SESSION 2: Tight or low permeability reservoirs**  
Chairpersons: Nasser Al-Azri (PDO); Franco Masserano (ENI); Eric Delamaide (IFP Technologies Canada)

09:00 – 09:30 Improving well productivity of tight condensate gas reservoir by methanol injection  
Ucan Sezai (YPF)

09:30 – 10:00 Use of foams as EOR for gas injection in low porosity/fractured reservoirs – field cases  
Alonso Ocampo (Equión Energia Ltd.), Alejandro Restrepo (Equión Energia Ltd.), Eber Castro (Equión Energia Ltd.)

10:00 – 10:30 Coffee Break

10:30 – 11:00 A CO2 foam conformance pilot in US Gulf coast region  
Max Chabert (Solvay), David D’Souza (Denbury), James Cochran (Denbury), Eric Delamaide (IFP Technologies Canada), Patrick Dwyer (IFP Technologies Canada, Tayrona Field Services), Lahcen Nabzar (IFPEN), Emie Lacombe (Solvay)

11:00 – 11:30 The first successful chemical EOR pilot in the UAE: one spot pilot in high temperature, high salinity carbonate reservoir  
Danielle Morel (Total)

**SESSION 3: Heterogeneous and naturally fractured reservoirs**  
Chairpersons: Nasser Al-Azri (PDO); Nestor Hernandez (Bankers Petroleum Ltd); David Rousseau (IFPEN)

11:30 – 11:45 Introduction Session 3

11:45 – 12:15 Foam injection as enhanced oil recovery process in the gas cap invaded zone of a high relief naturally fractured reservoir  
Nestor Ivan Echavarri (Pemex), Hector S. Salgado (Pemex), Nemesio Miguel (Pemex), Fernando J. Rodriguez (Pemex), Antonio E. Villavicencio (Pemex)

12:15 – 13:45 Lunch

13:45 – 14:15 Modified surfactant injection to enhance oil production and recovery, case study: Omani carbonate reservoir  
Saleh Al Jabri (Daleel Petroleum)

14:15 – 14:45 Snorre in-depth water diversion pilot  
Kjetil Skrettingland (Statoil ASA), Vegard Røine Stenerud (Statoil ASA), Dag Chun Standnes (Statoil ASA)

14:45 – 15:15 Coffee Break
SPECIAL SESSION

15:15-15:45  Experimental study on micro bubble CO₂ EOR
Hiroaki Koga (JOGMEC), Takashi Akai (JOGMEC), Yasutomo Takakuwa (JOGMEC), Ko Sato (JOGMEC), Yoshihiro Tsuchiya (JOGMEC), Seiji Shirai (JX Nippon Oil & Gas Exploration Corporation), Kei Kukuu (Waseda University), and Hiroko Hiramoto (Waseda University)

15:45 – 16:15  Modeling of polymer thermal and mechanical degradation in large-scale reservoir simulation
To be announced (Statoil ASA)

16:15 – 16:45  Application of cellulose nanofiber to enhanced oil recovery
Kazuya Kusanagi (JOGMEC), Sumihiko Murata (Kyoto University), Yosuke Goi, Mineo Sabi (Dai-ichi Kogyo Seiyaku Co., Ltd.), Yoshitake Kato, Norihiko Togashi (JOGMEC)

17:00  Bus to Paris for the Workshop Dinner

22:30  Bus back to Novotel Hotel
**Friday May 12**

08:30 – 09:00 Registration

**SESSION 4: Towards hybrid EOR: salinity modification and chemical flooding**  
*Chairpersons: Harry Frampton (BP); Ali Al-Sumaiti (Petroleum Institute Abu Dhabi); David Rousseau (IFPEN)*

09:00 – 09:15 Introduction Session 4

09:15 – 09:45 Results of an ASP pilot in a sandstone field in Oman  
Nasser Al-Azri (PDO), K. Shuaily (PDO), Suryanarayana Guntupalli (PDO), Moshin Amri (PDO), Maitham Shidi (PDO), Hatim Hadhrami (PDO), Yi Svec (Shell)

09:45 – 10:15 SP feasibility study on RALB field case: from lab screening to pilot design  
Abraham Hassan (KOC) et al.

10:15 – 10:45 Coffee break

10:45 – 11:15 Low salinity water injection, ENI experience in sandstone reservoirs  
Franco Masserano (ENI), Chiara Callegaro (ENI)

11:15 – 11:45 To be announced

11:45 – 13:15 Lunch

**SESSION 5: Water management**  
*Chairpersons: Harry Frampton (BP); Juan Juri (YPF); Eric Delamaide (IFP Technologies Canada)*

13:15 – 13:45 Preparing water management for chemical EOR  
Jan Paul (OMV), Rainer Kadnar (OMV), Scherwan Suleiman (OMV)  
Verena Leitenmüller (Mining University Leoben) and Johannes Wenzina (TU Vienna)

13:45 – 14:15 Evaluation at laboratory scale of EOR chemicals impact on topside operations  
Jean-Francois Argillier (IFPEN), Isabelle Henaut (IFPEN), Myriam Darbouret, Guillaume Vinay (IFPEN)

14:15 – 14:45 Coffee break

14:45 – 15:15 Water treatment and use in the clair ridge LoSal EOR deployment  
Harry Frampton (BP), Dale D. J. Williams (BP)

15:15 – 15:45 To be announced

15:45 – 16:15 Conclusions – End of the Workshop