Chemical EOR – Key Success Factors

4th edition

17-19 June 2019

Hotel Meliá, Paris La Défense (France)

PRELIMINARY PROGRAM
Monday 17 June

08:15  Registration

09:00  Welcome and Introduction (IFPEN)

SESSION 1: FIELD APPLICATIONS OF POLYMER FLOODING

09:15  Polymer flooding pilot in heavy oil and challenging conditions reservoir – field case
       Juan Manuel Leon Hinestroza* (Ecopetrol)

09:45  Polymer process performance for different waters compositions in El Corcobo field:
       lab results and challenges
       Maria Alejandra Hryc* and Federico Martin Hochenfellner (Pluspetrol)

10:15  Coffee break

10:45  Experience in the field application of the biopolymer schizophyllan
       Ana Todosijevic* (Wintershall)

11:15  Polymer field trial
       presenter and authors to be announced (BP)

11:45  Experience from lab to pilot and towards full field implementation of polymer
       flooding processes: PDO’s approach (preliminary title)
       presenter and authors to be announced (PDO)

12:15  Lunch

14:00  Bus to IFPEN Rueil-Malmaison

14:30  IFPEN Lab visit

17:30  Bus to Meliá hotel

* presenting author
Tuesday 18 June

08:30  *Registration*

SESSION 2: WATER MANAGEMENT

09:00  Managing high injection water quality for polymer flooding: OMV’s experiences and lessons learned  
Karl Jamek* and Rainer Kadnar* (OMV)

09:30  Influence of EOR Polymers on Fouling in Production Wells & Facilities  
Robert Zagitov* (Cairn Oil & Gas, Vedanta Limited)

10:00  *Coffee break*

10:30  Assessment of Enhanced-Oil-Recovery - Chemicals Production and its Potential Effect on Upstream Facilities  
Abdulkareem M. AlSofi*, Ali M. AlKhatib, Hassan A. Al-Ajwad, Qiwei Wang and Badr H. Zahrani (Saudi Aramco)

11:00  Produced Fluid Handling and Water Cycle Management Plan for Large Scale ASP Expansion in Mangala Field  
Anindya Chakraborty* (Cairn Oil & Gas, Vedanta Limited)

SESSION 3: ION OPTIMIZED WATER FLOODING

11:30  Chemical EOR to improve field recovery: low salinity water flooding and polymer injection, labs analysis and modelling  
Alessandro Botteon*, Moghadasi Leili, Patrizia Pisicchio, Martina Sambiase* and Tobia Pepe (ENI)

12:00  *Lunch*

13:30  Pilot test in a water-invaded zone using smart water injection program under the concept of huff & puff  
Heron Gachuz-Muro* (PEMEX E&P)

14:00  Learning from Measurement of High Salinity Brine-Oil Zeta Potential  
Takaaki Uetani* (INPEX)

* presenting author
SESSION 4: FIELD APPLICATIONS OF SURFACTANT BASED EOR FLOODING

14:30  **Surfactant-Polymer EOR Pilot Project in Algyő field**
Sándor Puskás, Mária Törő*, Tibor Ördög, Gyula Kálmán, Pál Hanzelik and Zsolt Bihari (MOL Hungarian Oil and Gas Plc.); Réka Tabajdi and Imre Dékány (University of Szeged); Árpád Vágó, József Dudás, Roland Nagy, and László Bartha (University of Pannonia)

15:00  **Coffee break**

15:30  **Experience from lab to pilot and towards full field implementation of surfactant-based flooding processes: PDO’s approach (preliminary title)**
presenter and authors to be announced (PDO)

16:00  **Update on chemical EOR maturation – technology developments and pilot results**
Jeroen Groenenboom* (Shell)

16:30  **To be announced**

18:00  **Bus to Paris for the workshop Dinner**

22:00  **Bus back to Meliá Hotel**

* presenting author
Wednesday 19 June

08:30   **Registration**

**SESSION 5: CHALLENGING RESERVOIRS**

09:00  **WSO using CDG in horizontal wells under strong bottom aquifer and different geology features (to be confirmed)**
   Lino Andarcia* (HOCOL)

09.30  **Continuous Steam Flooding Process after a Successful Cyclic Steam Stimulation Program in Mexico. Increasing the Recovery Factor for an extra-heavy oil field**
   Gerardo Alva-Arroyo, Silvia Chávez-Morales* and Tayde Prieto-Sosa (PEMEX E&P)

10:00  **Coffee break**

10:30  **EOR as a Pillar for the Sustainability of Ecopetrol: From Conception to Materiality**
   Jose Francisco Zapata* (Ecopetrol)

11:00  **A Study of Gel Conformance Control within Fractured Carbonate Cores by Low-Field NMR Techniques**
   Amar J. Alshehri*, Jinxun Wang, Hyung T. Kwak, Abdulkareem M. AlSofi and Jun Gao (Saudi Aramco)

11:30  **Polymers and Their Limits in Temperature, Salinity and Hardness: Review of Field Cases**
   Eric Delamaide* (IFP Technologies Canada)

12:00  **Lunch**

**SESSION 6: FOAM PROCESSES**

13:30  **Recent Learnings on Foam-based EOR Processes**
   Guillaume Batôt* (IFP Energies nouvelles)

14:00  **Foam to Optimize Gas Injection Development Scheme: Labs Evidence**
   Martin Bartosek*, Ahmed Abrar, Renna Dario, Elena Braccalenti, Caterina Topin, Franco Masserano, Michela De Simoni and Laura Dovera (ENI)

* presenting author
SESSION 7: OFFSHORE APPLICATIONS

14:30  Development of the Mixing Energy Concept to Hydrate Novel Liquid Polymers for Field Injection
      Do Hoon Kim, Dennis Alexis, David Espinosa, Anette Poulsen, Taimur Malik, Sophany Thach*, Varadarajan Dwarakanath and Taylor Jordan Isbell (Chevron Energy Technology Company); Mohamad Salman (Chevron Energy Technology Company, currently University of Houston); Peter New, Adam Jackson and Derek McKilligan (Chevron Upstream Europe)

15:00  Coffee break

15:30  Perspective for EOR in the North Sea
      Glenn Brown* (Oil & Gas Authority)

16:00  CO₂ EOR in the North Sea – Perspectives from Equinor
      Sveinung Hagen* (Equinor)

16:30  Results of the UK Captain Field Interwell EOR Pilot
      Anette Poulsen*, Varadarajan Dwarakanath and Sophany Thach (Chevron Energy Technology Company); Mike Shook (Mike Shook & Associates); Adam Jackson, Nicolas Ruby and Karl Charvin (Chevron North Sea Limited)

17:00  Conclusions – End of the Workshop

*presenting author