Chemical EOR Workshop
Key Success Factors
4th edition

Hotel Meliá Paris La Défense, France

17-19 June 2019

PROGRAM
Monday 17 June

08:15  Registration

09:00  Welcome and Introduction (IFP Energies nouvelles)

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
Pankaj Kumar* and Ana Todosijevic (Wintershall Dea GmbH)

11:15  A shear-resistant, high injectivity, reservoir-triggered EOR polymer: from concept to the field
David Chapell*, Bilal Rashid and Jon Stapley (BP); William Andrews, Peter Reed and Robin Shields (Nalco Champion)

11:45  The EOR journey in Nimr: from concept to full field development
Reham Al-Jabri (PDO)

12:15  Lunch

14:00  Bus to IFP Energies nouvelles Rueil-Malmaison

14:30  IFP Energies nouvelles Labs visit

17:30  Bus to Meliá hotel
Tuesday 18 June

SESSION 2: WATER MANAGEMENT

09:00 Managing high injection water quality for polymer flooding: OMV’s experiences and lessons learned
Roland Albustin, Karl Jamek*, Rainer Kadnar*, Martin Klikovics, Christoph Puls and Manuel Vidlak (OMV)

09:30 Influence of EOR polymers on fouling in production wells & facilities
Robert Zagitov*, Panneer Selvam Venkat, Vinay Mathur, Saumya Mittal, Jaisankar Subramanian and Dibyendu Bagchi (Cairn Oil and Gas Vedanta Ltd)

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* and Rupesh Zampalkar (Cairn Oil & Gas)

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*, Hiromi Kaido and Hideharu Yonebayashi (INPEX)
SESSION 4: SURFACTANT BASED EOR PROCESS

14:30 Surfactant-polymer EOR pilot project in Algyő field
Sándor Puskás, Mária Törő*, Tibor Őrdög, 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 Recent learnings on foam-based EOR processes
Guillaume Batôt* (IFP Energies nouvelles)

16:00 Update on chemical EOR maturation
Jeroen Groenenboom* (Shell Global Solutions International BV); Diederik van Batenburg and Diego Wever (Shell Global Solutions BV)

16:30 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)

17:00 TBA

18:00 Bus to Paris for the Workshop dinner

22:00 Bus back to Meliá Hotel
Wednesday 19 June

08:30  Registration

SESSION 5: CHALLENGING RESERVOIRS

09:00  High throughput coreflood experimentation as a tool for EOR project design
Souhail Youssef*, Matthieu Mascle and Olga Vizika (IFP Energies nouvelles)

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
José-Francisco Zapata*, F. Fernandez, Rodrigo Dalle Fiore, Carolinne H. Chaparro, Carmen Hinds, Adriano Lobo, Lina Maria Quintero, Jorge Mantilla and Jaime Jimenez (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  Key challenges in EOR applications in complex, tight and highly fractured reservoirs
Saja Khaburi (PDO)

12:00  Lunch

13:30  WSO using CDG in horizontal wells under strong bottom aquifer and different geology features
Lino Andarcia*, Diego Castellanos, Angela Forero and Jhon Rubiano (Hocol)

14:00  Polymers and their limits in temperature, salinity and hardness: review of field cases
Éric Delamaide* (IFP Technologies Canada)
SESSION 6: 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*, Torbjørg Klara Fossum, Bengt Olav Neeraas and Bamshad Nazarian (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