

SPE FORUM SERIES
Offshore EOR: It's About Time!
26-31 October 2008
La Romana, Dominican Republic
Preliminary Technical Agenda

Monday 27 October, 2008

SESSION 1: MONDAY MORNING (0830 — 1200)

What is the prize?

Session Chair: Gardner Walkup - *Cera*

Session Vice Chair: Jairam Kamath - *Chevron*

SESSION DESCRIPTION:

Offshore oil developments and exploration plays have become increasingly common. It is expected EOR will play a key role to maximize oil recovery from existing developments and to unlock some of the exploration plays. This session will review the key drivers for the growth of offshore EOR, suite of EOR options, size and geographic distribution of key offshore EOR targets, and any ongoing or planned offshore EOR activity.

SESSION 2: MONDAY AFTERNOON (1300 — 1630)

What are the obstacles to moving EOR offshore?

Session Chair: Tore Blaker - *StatOil Hydro S.A.*

Session Vice Chair: Pascal Gauer - *Total*

SESSION DESCRIPTION:

This session will discuss the differences in offshore environments, lessons learned onshore that can be taken offshore, and the various types of challenges – technical, cost, greenfield, brownfield, and extreme fields.

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Tuesday 28 October, 2008

SESSION 3: TUESDAY MORNING (0830 — 1200)

How do you forecast and make decisions?

Session Chair:Jairam Kamath - *Chevron*

Session Vice Chairs:Gardner Walkup – *Cera*

SESSION DESCRIPTION:

Forecasting in offshore situations is difficult due to the paucity of data and the need to make step change decisions. This is very different from conventional onshore developments where the data regime is typically richer and has significant well density and core and log information. Onshore decisions can typically be staged, and infill drilling and facilities expansion options remain open through field life. This session will discuss appropriate forecasting tools, making step change decisions in uncertain environments, and critical uncertainties for forecasting and decision making

SESSION 4: TUESDAY EVENING (1800 — 2130)

What is the value of information?

Session Chair:Ellen Coopersmith – *Decision Frameworks, Inc.*

Session Vice Chairs:Tore Blaker – *StatOilHydro S.A.*

SESSION DESCRIPTION:

This session will introduce the concept of reliability and value of information. It will also review lessons learned from existing offshore EOR pilots – what offshore EOR projects have been attempted? were they economic? what were their drivers of value, logistics, costs and recovery? The objectives are to develop an understanding of the key offshore EOR risks and uncertainties for both brown fields and green fields and the decisions they impact, and to incite fruitful discussion of different information plans for offshore EOR in brown fields and green fields in the future.

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Wednesday 29 October, 2008

SESSION 5: WEDNESDAY MORNING (0830 — 1200)

How can you develop reservoirs with limited access?

Session Chair: Mukul Sharma – *University of Texas, Austin*

Session Vice Chairs: John Corben - *Schlumberger*

SESSION DESCRIPTION:

This session addresses the unique challenges associated with drilling, completion, work-over and reentry of wells in offshore EOR projects. Aspects that will be discussed include the limited and costly initial access, the possibilities and uncertainty of re-access, and how reservoir surveillance, imaging and injection profiles could be monitored and controlled. What game-changing technologies are on the horizon for maximizing/optimizing rate and recovery through the application of innovative well and completion designs? How could we improve reservoir access using multilaterals or hydraulic fractures? How could complex wellbores be utilized in geologically complex reservoirs, and what are the cost-benefit analyses of complex wells and fractures in offshore fields?

SESSION 6: WEDNESDAY EVENING (1800 — 2130)

Poster Session

Session Chair: Gary Teletzke - *ExxonMobil*

Session Vice Chairs: Pascal Gauer – *Total*

SESSION DESCRIPTION:

The broad nature of the subject of EOR makes it impossible to cover all topics of relevance during the discussion sessions. The poster session offers the opportunity to cover the broad variety of EOR topics. Each of the posters is described briefly in a “lightning round” at the beginning of the session. Discussion among participants is in a relaxed social environment.

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Thursday 30 October, 2008

SESSION 7: THURSDAY AFTERNOON (1300 —1630)
What game changing technologies are needed for offshore EOR?
Session Chair: Ricardo Portella - *Petrobras*
Session Vice Chair: John Corben - *Schlumberger*

SESSION DESCRIPTION:

What new EOR techniques would be best suited to the offshore environment? What technical obstacles need to be overcome to make new techniques available? What adaptations to traditional EOR methods are needed for offshore use? What emerging technologies might bring the needed changes? What research is ongoing and what more is needed for offshore EOR? This session will try to answer some of these questions and explore the avenues of current and future needs with the help of distinguished researchers working in these areas.

SESSION 8: THURSDAY MORNING (0830 — 1200)
How do you create Infrastructure, Logistics and Facilities solutions?
Session Chair: Bob Chin - *Shell*
Session Vice Chair: Marc Gruenenfelder – *SNF Oilfield Group*

SESSION DESCRIPTION:

Remote locations, deepwater, and heavy oil are already worthy challenges to primary development and pose even more of a barrier to a successful and economic EOR program. This session will address offshore and onshore surface requirements for implementing EOR processes such as chemical, gas, and thermal. Fluid volumes, chemical types, process handling, and disposal issues will be reviewed. The infrastructure of supply, delivery, injection, and environmental stewardship/final fate of chemical injectants will be outlined. Operations and training will also be included in the discussions.

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Friday 31 October, 2008

SESSION 9: FRIDAY MORNING (0830 — 1200)

Wrap-Up: Offshore EOR, What's Next?

Session Chair: Bob Ligon - *Shell*

Session Vice Chair: Gary Teletzke - *ExxonMobil*

SESSION DESCRIPTION:

The Forum seeks to first understand the offshore EOR prize and obstacles/risks associated with moving EOR offshore. Factors that determine the future momentum for offshore EOR include improved forecasting and decision making to reduce uncertainty, cost-effective well and facility solutions, manpower, and the need for further research to perfect and develop new EOR techniques. This session integrates discussion from across the Forum to help answer the question: what's next?