



SPE Workshop: Improving Recovery Factors in Onshore Fields

27-28 March 2023 | SERHS Natal Grand Hotel and Resort | Natal, Rio Grande do Norte, Brazil

Chairpersons

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Petrobras

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Origem Energia

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Libertad Energia

These are mature onshore basins still prolific after decades of production. They have a myriad of profitable opportunities to medium and small operators. The challenge is determining what can be done to increase their Recovery Factor? Some of the actions includes but are not limited to stimulation, re-completion, chemical\water\steam injection, modification of tax structures, extensive infill drilling, accurate reservoir monitoring and management, and the optimization and operation of proper production methodologies (aka selection of artificial lift methods).

A key part of being able to capitalize on these opportunities is to be able to sort through the plethora of possibilities (some of which were mentioned above) and to be able to accurately and decisively parse out which concepts or groups of concepts are the most optimal for a specific field.

The main goal of this workshop is to provide the exchange of knowledge among the attendees, presenting the best practices, new technologies and case studies to increase the efficiency of the processes related to the exploration of these fields.

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Who We Are SPE is the largest individual member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry.



Monday, 27 March

0730–0825

Registration Check-In
Continental Breakfast

0825–0830

Chairperson's Welcome and Introduction

0830–1000

Session 1: Waterflooding

Chairs: Jorge Falla, 3R Petroleum
Andres Negre, Beicip-Franlab

- **Improving Injectivity in Mature Conventional Fields Using a Tailored Biocide Solution**

Fernando Mesquita, Lanxess

- **Streamline Reservoir Surveillance Models to Improve Mature Floods through Low-Cost Actions**

Rod Batycky and Marco R. Thiele, Streamsim

- **Calculation Method Used to Make Secondary Recovery Forecasts to Optimize the Development Plan of the Chachahuén Sur Reservoir (Argentina)**

Ignacio Weisman, YPF

- **Waterflooding From Concept to Reality**

Benjamin Bonfanti, SLB

1000–1030

Coffee Break

1030–1200

Session 2: Gas Injection and Chemical EOR

Chairs: Lirio Quintero, Baker Hughes
Eugenio Ferrigno, Globant

- **Getting the Timing Right for EOR Implementation: Don't Try To Do Everything Simultaneously**

Jan Nieuwerf, SNF

- **Case of Study to Maximize the Potential for EOR in a Tight Reservoir using Robust Optimization and Artificial Intelligence**

Juan Mateo, Computer Modelling Group

- **Complex Emulsion Resolution in Tertiary Oil Production: Characterization and Mitigation Proposal**

Albert Saavedra and Isabel Vega, YTEC

1200–1330

Lunch

1330–1500

Session 3: IOR/EOR Applications

Chairs: Diego Perez, YPF
Lirio Quintero, Baker Hughes

- **Field to Lab: Can We Measure the Polymer Concentration in Emulsions Produced by EORc Projects?**

Vanessa Paredes Muñoz, Catalina Ruzzante, Salvá Velázquez, Luciana Perfetti, and Isabel Vega, YTEC

- **Life Extension Through Polymer Technology: Roadmap to Mature Asset Afterlife in Argentina Through Polymer Flooding Application**

Alejandra Hryc, SNF

1500–1530

Coffee Break

1530–1700

Session 4: Artificial Lift and Its Benefits for Improving Recovery Factor

Chairs: Andre Bertolini, SLB
Marcelo Hirschfeldt, OilProduction Consulting

- **Assessment of Different Artificial Lift Methods to Optimize Production in Deep Onshore Wells**

Thiago Frutuoso, Weatherford Brazil

- **Insertable Pumps**

Tomaz Vieira, Netzsch Brazil

- **Improving Rod Lift Systems' Performance in Gassy Wells Through the Implementation of the Variable Slippage Pump (VSP)**

Esteban Young, ChampionX

1700–1830

Networking Reception

Tuesday, 28 March

0730–0830

Continental Breakfast

0830–1000

Session 5: Monitoring and Optimization

Chairs: Eugenio Ferrigno, Globan
Pietro Milazzo, Weatherford

- **An Overview of Well Automation in Brazil: Strategies for Effective Monitoring of Mature Wells**
Heitor Gomes, RN Tecnologia
 - **Optimization of Mature Gas Wells With Cycling Automation**
César Velasco, Moto Mecanica Argentina; Gonzalo Perez Cometto, Pan American Energy
 - **Use of Pulsed Neutron and Production Logging Leads to a Production Increase: Case Study from Brazil**
Laura Martel, Halliburton
 - **Optimizing Rod Lift Wells Using Autonomous Control**
Juan Sebastian Almarino Ardila, Weatherford
-

1000–1030

Coffee Break

1030–1200

Session 6: Regulation, Carbon Intensity and Sustainability

Chairs: Tiaraju Piaia Bernardi, Petrobras
Selma Fontes, Origem Energia

- **Energy Management and Efficiency: Towards a Net Zero Future in the Oil and Gas Fields Operations**
Marcelo Hirschfeldt, OilProduction Consulting
 - **Reduction Of Carbon Footprint Intensity in Production Operations by Using Novel Surface-controlled Digital Intelligent Gas Lift Valve Technology**
Simon Suarez, Silverwell
 - **The Dilemma of the Energy Transition and Sustainable Oil Production – How Chemical EOR Can Contribute to Reduce Carbon Footprint While Ensuring Stable and Affordable Energy Supplies**
Daniela Renta, SNF
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1200–1330

Lunch

1330–1500

Session 7: Well Design (Geometry), Completion and Stimulation

Chairs: Sezai Ucan, Libertaenergy
Luis Quintero, Halliburton

- **How to Enhance the Performance of Well stimulation Techniques Using Wettability Altering Agents**
Mahdi Kazempour, ChampionX
 - **Mitigation of Production Induced Skin through Selective Perforations**
Luis Quintero, Halliburton
 - **Increasing Reserves Through Hydraulic Fracturing: An Overview of a Successful Frac Campaign in a Mature Oilfield in Brazil**
Ana Carolina Firmino de Jesus, Petroreconcavo
 - **Reservoir Monitoring to Assist in the Selection of Water Shut-Off Technique in Open Hole Gravel Pack Wells**
Ellen Storvik, Shell
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1500–1530

Coffee Break

1530–1700

Session 8: Costs Reductions and Economic Aspects

Chairs: Selma Fontes, Origem Energia
Fernando Bertomeu, ITBA

- **Contract's Management: An Effective Way to Improve Cost's Structure**
Fernando Bertomeu, ITBA
- **Evaluating the Benefits of Internalizing Operations: A Case Study of Maintenance and Inspection of Well Equipment**
Homayra Tavares, Petroreconcavo
- **Net Present Value Optimization Using Integrated Reservoir and Production Models for the Selection of the EOR Scheme and the Operational Strategies for Wells and Facilities**
Juan Mateo, Computer Modelling Group



General Information

Accessibility

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Alcohol Policy

SPE recognizes the legitimate serving of alcoholic beverages in the process of conducting business and social activities. We also recognize that the use and consumption of alcohol carries with it the requirement for all attendees to consume those beverages responsibly.

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Continuing Education Units

Attendees will receive 1.6 CEUs. One CEU equals 8 contact hours of participation. CEUs will be awarded through SPE Professional Development for participation and completion of an SPE workshop. A permanent record of a participant's involvement and awarding of CEUs will be maintained by SPE.

Documentation

Following the workshop, a URL containing released copies of the workshop presentations will be available to all attendees.

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Workshop Format

Workshops maximize the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices.

Many of the presentations are in the form of case studies, highlighting engineering achievements and lessons learned. In order to stimulate frank discussion, no proceedings are published and members of the press are not invited to attend.



Please take a moment and let us know your thoughts on this event!



<http://go.spe.org/23ANATWorkshopAttendee>