Topics for discussion

This year we will separately focus on the stages associated with these processes:
› selection and study of reservoir fluids
› selection of agents for formation stimulation
› evaluation of stimulation efficiency under laboratory conditions and in-situ
› monitoring and control of formation stimulation

Present your paper

Submit your your topic before 8 April 2019.

Send your abstract proposals to Antonina Kozmina at: akozmina@spe.org.

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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.
Session 1. Brownfields
- Selection and feasibility study of EOR methods for brownfields;
- EOR methods for brownfields: efficiency assessment
- Implementation planning, monitoring and control
- Injection of associated hydrocarbon gas in miscibility mode
- High-pressure air injection (HPAI) in low-permeability reservoir
- EOR application: risk assessment and development parameters forecast
- Is physical and chemical method the main method for remaining oil recovery from depleted and watered reservoirs, are there any alternatives?

Session 2. Reservoir of Complex Structure
This session focuses on the reservoir of complex pore structure characterized by heterogeneities of a different scale: carbonates with different types of versatility (including oil-bearing basement), active fault tectonic fields, oil and gas shale, oil source bed, etc.
- Challenges and new approaches to laboratory research (determination of permeability and porosity for fractured reservoirs, analysis of wettability, analysis of pore volume structure, including digital core, etc.)
- Use of seismic data to predict properties of the geological section
- Integration of static and dynamic data: well logging in the open and cased trunk, sedimentological and diagenetic models, geomechanics, well testing, normal operation data
- Development planning - primary and secondary methods (optimal completion of wells, system organization for formation-pressure maintenance, etc.)
- Enhanced oil recovery methods

Session 3. Heavy Oil
The session covers EOR methods specific for heavy oil fields, deserving sufficient potential for implementation. This type of reserves, like no other, needs recovery efficiency improvement through EOR, including:
- In-situ combustion, wet in-situ combustion
- Thermal enhanced oil recovery: steam and gravity drainage (SAGD), cyclic steam flooding (CSS), hot water injection
- Technological monitoring over steam injection and hot water injection
- Steam injection with catalysts/solvents
- Steam injection with catalysts/solvents: express estimation of economic efficiency
- Steam injection with flue gases (steam-gas formation stimulation method)
- Surfactant-steam injection
- Flow-diverting technologies under thermal EOR methods (foam injection etc.)
- Water shut-off technologies under thermal EOR methods
- EOS package with asphaltene gradients and representative real-time sampling to assess "cold" and "hot" extraction.

Session 4. Volatile Oil and Gas Condensates
This session is devoted to gas and oil rims, oil and gas condensates, light and volatile oils. We will address the following questions:
- Identification criteria for formation fluid type (oil, gas condensate, oil + gas cap)
- Optimal approaches to reservoir-pressure maintenance (displacing agent, a start time of treatment, injection modes)
- Efficiency assessment of EOR methods
- Approaches to the sampling of fluids, appropriate complex of PVT and filtration tests, specialized studies (slim tube). Specifics of laboratory experiments for fluid properties and EOR technologies (near-critical fluids, miscible displacement, determination of oil-gas relative permeability under conditions close to miscibility)
- Near-critical fluids: PVT properties simulation (optimal types of equations of state, vertical and lateral gradients of fluid properties)
- Monitoring of reservoir development taking into account the alterations of formation fluid phase state (application on EOR fields)
- Gas EOR methods for a reservoir with a complex phase composition (injection into gas cap, mixing displacement using hydrocarbon and non-hydrocarbon gases, cycling-process)
- Gas shutoff/ fluid movement profile technologies for deposits with gas cap

POSTER SESSION
SPE will hold a Poster Session during the Workshop. The posters will give you further opportunities to share your ideas and technologies with the audience. The Programme Committee encourages attendance from those who can effectively either in discussions.

If you wish to participate in the Poster Session please contact Antonina Kozmina at akozmina@spe.org.
General Information

Abstracts Submission
Please submit your abstract to Antonina Kozmina at akozmina@spe.org before 8 April 2019.

Abstracts Requirements
The following information is required for each abstract:
- Title in Russian and English languages
- Session name
- Name of the author and the company they are representing
- Name of the author and the company they are representing
- Contact details, including phone number, address, e-mail address

The abstract should consist of 350 – 400 words, including the short description of:
- the paper’s aim
- the novelty
- possible ways of application
- technologies
- main results and conclusions

Your abstract will be reviewed by the Programme Committee to consider its acceptance for the Workshop Program.

Proceedings
Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers. The presentations will be available only to Workshop participants.

Commercialism
Commercialism in posters or presentations will not be permitted. Companies’ logos must be placed only at the title presentation slide.

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