

# Reservoir Engineering

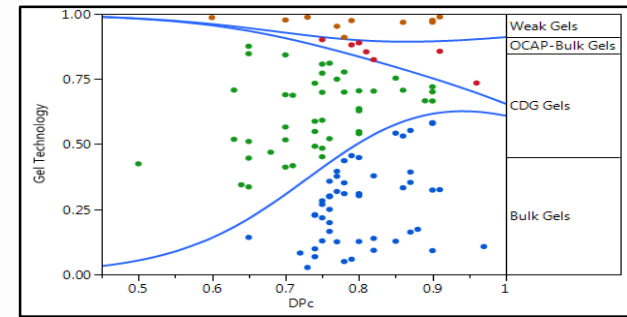
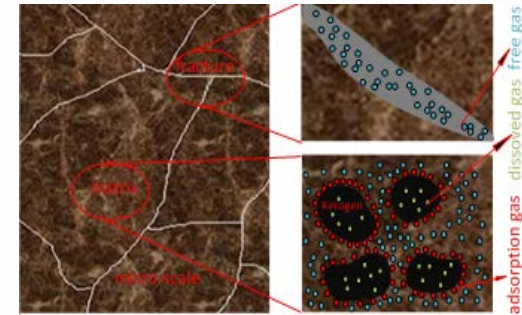
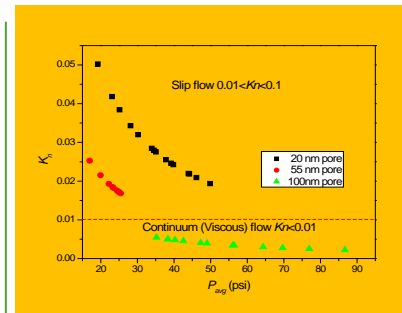
## Reservoir Simulation

- Unconventional resources, focused on shale gas development and optimization
- EOR drive mechanisms and optimization

## Advanced EOR Data Analysis and Screening

- Advanced knowledge discovery by pattern recognition and machine learning methods

**Better Ways to Listen to Our Data, We Can Understand Our Subsurface Black Resources Better.**



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- International United Technology Group
- EOR Consortium Sponsor Companies
- Department of Energy
- National Science Foundation

## Keywords

- Reservoir simulation, unconventional resources, enhanced oil recovery, EOR, data mining, machine learning, fluid flow mechanisms, advanced EOR screening, artificial intelligence and their applications

## Recognitions

- 2016 SPE Faculty Innovative Teaching Award