Iran section

SPE-Iran Section Technical Workshop

Fractured Reservoir Management

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This course covers all aspects of managing fractured carbonate reservoirs starting with reservoir characterization and ending in simulation and reservoir surveillance. Throughout the course, several case studies are covered in detail to gain more insights into the actual mechanisms and best practices. Students are requested to bring in their own case histories for further analysis and discussion in the classroom.
The target audience should be:

- "Experienced RE/PE/Geos who have well and reservoir expertise in oil or gas fields or team leaders/managers who influence decisions
- Multi-discipline subsurface and operations (facilities)
- Max 25 attendees.

Class structure

- 50/50 information into room by class leaders and attendees / interaction working session follow up
- Reinforce good practices – positive/negative examples
- Guidance – all attendees must contribute

Contents:

- Introduction
- Reservoir Characterization
  - Fracture Characterization
- Assessment of Original HC in Place
- Flow Fundamentals
  - Reservoir Drive Mechanisms
    - Matrix vs fractures
- Production optimization
  - Waterflooding carbonate reservoirs
  - West Texas best practices
- Enhanced Oil Recovery
  - Pilot Testing
  - EOR Screening
- Fractured Reservoir Simulation
  - DFN modeling
- Reservoir Access and Optimization
  - Drilling Issues
- Reserves Growth
- Surveillance Practices
  - The Role of Technology
- Economics and Risk Analysis