

FRACTURED RESERVOIRS

Summary

The porosity and permeability characteristics of carbonate reservoirs is very complex due to the interplay between diagenetic features, the initial microporosity and the impact of subsequent fractures. Data integration and petrophysical analysis is fundamental for the modeling of carbonate reservoirs. This course provides the necessary knowledge to understand the evolution of carbonate reservoir porosity systems from initial diagenesis and the effect of the development of fracture networks on reservoir quality.



November 22-23, 2021
13:00-17:00 Abu Dhabi (UTC+4)



Petroleum geoscientists involved in the exploration of carbonate plays and development of carbonate reservoirs



\$800 (excluding taxes) per registration



Contact us

Day 1

- An introduction to the principles and the importance of fracturing in carbonate reservoirs
- Fracture terminology and classification and how the main controls on fracture formation influence the orientation, spacing, and density of fracture propagation and development

Day 2

- Fractures in different data types including seismic, wireline logs, core, outcrop, satellite imagery; how to collate, analyze and interpret the fracture data
- Evolution of carbonate porosity systems investigating the interplay between initial depositional features, subsequent diagenesis, mineral alteration and fracture development

Instructor: Mark COWGILL, Ph.D.

- Senior geoscientist with over 25 years of industry experience on a variety of regional, basin and field-scale studies across North Africa, Gulf of Mexico, Thailand, the Middle East, Horn of Africa, India, Pakistan, the Seychelles, Western Greece, North Atlantic Margins and Northeastern Brazil
- In addition to considerable experience in asset evaluation, resource calculation, risk assessment, prospect analysis and block evaluation, Mark has managed and run a variety of training courses from two-day structured sessions to long-term multi-disciplinary workshops



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