

Practical Petrophysics: Evaluation of Net Pay, Reservoir and Seals/Flow Barriers

Instructor: John Sneider

WHO SHOULD ATTEND:

The three-day school is designed for geologist, geophysicists and petroleum engineers working in exploration, appraisal and development. Managers and supervisors responsible for E & P projects will find the course content useful.

COURSE OBJECTIVES AND CONTENT:

The course is designed to improve the evaluation and the detection of net pay, reservoir rocks, flow barriers and seals. Lectures and practical exercises focus on the use of rock and fluid data from samples, cores, well logs, DST's and production tests to improve evaluation of prospects, wells and remaining reserves. Equal emphasis is placed on sands/sandstones and limestones/dolomites.

Topics include:

1. Regional well log scans to identify bypassed pays.
2. Recognition of pay in shaley sandstones, conglomerates and low permeability sandstones and carbonates.
3. Evaluation of low resistivity, low contrast pays.
4. Pay evaluation in vuggy and fractured reservoirs.
5. Seal evaluation and detection of hydrocarbon column heights.

The significance of hydrocarbon shows is also covered. Case studies and exercises are from international and North American basins.