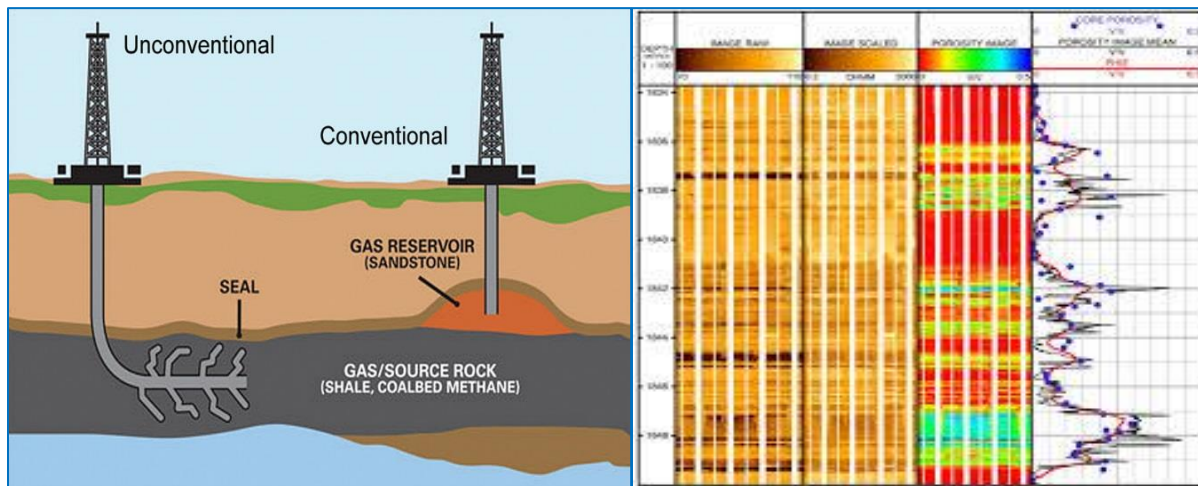




DE188: Petrophysics of Unconventional Reservoirs

Training Description:

Petrophysics is central to the integration of a wide spectrum of related geoscience and engineering disciplines. However, participants should also be familiar with at least two or more of the following topics: horizontal well drilling, wireline logging and log analysis, coring and core analysis, petrophysics, geophysics, geochemistry, formation testing, rock mechanics, hydraulic fracturing, and petroleum economics.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Interpret petrophysical data gathering from unconventional reservoirs from both core and log data
- ✓ Assess TOC and maturity indicators
- ✓ Evaluate measurement provided by service companies
- ✓ Gauge gas-in-place and reserves in unconventional reservoirs
- ✓ Recognize consequences and magnitudes of shale anisotropy
- ✓ Interpret NMR and capillary pressure measurements made on shale
- ✓ Interpret microstructural imaging of shale

Training Designed for:

This course is intended for Geoscientists involved with the evaluation and exploitation of unconventional reservoirs including tight gas sands, shale gas, and coal-bed methane.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Introduction
- ❖ Overview of unconventional reservoirs
- ❖ Geochemistry of unconventional rocks
- ❖ Special coring and core analysis techniques for unconventional
- ❖ Wireline logging of unconventional reservoirs
- ❖ Assessment of formation organic content (TOC) and maturity
- ❖ Gas-in-place and reserve and flow potential estimates
- ❖ Geomechanics and fracturing
- ❖ Practical Sessions
 - This hands-on, highly-interactive training includes simulator, real-life case studies and exercises
- ❖ Course Conclusion
- ❖ POST-TEST and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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