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# Applied Sequence Stratigraphy

## COURSE OVERVIEW

Several companies teach sequence stratigraphic courses. We would argue that each company has a different version. The keyword here is 'applied.' That means the course is not academic, we will not bore you with details of trying to figure out whether the cyclicity in your basin is from climate change, tectonics etc, we won't spend ages drawing Wheeler Diagrams for your basin, and we certainly won't be drawing coastal onlap curves. The objective of this course is to help you find more oil and gas using well-logs, core and seismic data. This is a prerequisite course for others listed here. Topics include the recognition of key sequence stratigraphic surfaces and systems tracts in seismic, well-logs, core and outcrop. Exercises during the course will teach participants how to chronocorrelate wells using wireline logs and core.

## WHO SHOULD ATTEND?

Geologists, Geophysicists, Petrophysicists, and Engineers who wish to develop a better understanding of the factors that control distribution, reservoir connectivity and compartmentalization of hydrocarbon reservoirs.

## COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Identification of key sequence stratigraphic surfaces in core, logs, and seismic
- Delineating systems tracts
- Controls of relative sea-level stand on the distribution of deep water sands
- Differences between sequence stratigraphy in clastics vs carbonates
- Source, reservoir, and seal prediction
- Better correlation techniques using well logs

## KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Performing sequence analysis on core in shallow marine siliciclastic
- Identification of key-sequence stratigraphic surfaces in sub-surface data from deep water exploration basins
- Exercise on the identification of lithofacies and stacking pattern in a carbonate-ramp parasequence
- Sequence stratigraphy of deep water petroleum systems: effects of relative sea-level fall on sediment gravity flows
- Carbonate sequence stratigraphy and its control on reservoir distribution and quality, recognition of key surfaces
- Introduction to sequence biostratigraphy: index fossils including planktonic and benthic foraminifera, calcareous nannoplankton, dinoflagellates, spores, and pollen

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded