Geological factors bear directly on and usually control engineering activities such as drilling, logging, testing, completion, development, and production, as well as all the financial decisions associated with field development. This course assumes the participant has had either a Basic Petroleum Geology course, has had Geological coursework in University, or has work experience that has offered some Geologic background. It does provide a minimal review of geological principles and environments of deposition. However, the focus is on the practical impact of geological models and uncertainty on reservoir appraisal and development. Without a common understanding between geologists and engineers, there can be no real interdisciplinary communication or teamwork in reservoir development and production activities.

**OUTLINE:**

YOU WILL LEARN TO:

- Understand the sources of geological data and the interpretation of that data, including maps, cross-sections, electric logs, and seismic sections.
- Recognize the relationships between paleo-environmental interpretations and the practical application of these interpretations to field development.
- Recognize ways in which geological data are presented for evaluation in integrated asset teams.
- Understand how geological data impact decisions made during production of a field.

DESIGNED FOR:

Financial staff, completion/ production/ reservoir engineers and professional staff from other disciplines and managers involved with reservoir management and development/ production that might require an extensive understanding of geological data, its variability and the effects of the data on their projects and jobs.