Exciting Training Opportunity for Geoscientists

Fundamentals of Seismic Sequence Stratigraphy

Uzma Group in conjunction with its Technology Partner, SCA, (a world leader in Upstream Exploration and Production courses) are proud to bring this training opportunity to oil and gas companies in the S.E Asia region. Since its founding in 1988, SCA has provided leading edge technical training services around the world to over 19,000 petroleum industry professionals.

Course Description:

The application of Sequence Stratigraphy is fundamental to successful exploration or development projects. This course provides a practical introduction to sequence stratigraphic fundamentals as an interpretation methodology for exploration and production. It begins with an overview of sequence stratigraphic concepts and uses hands-on exercises of interpreting seismic reflection profiles and wireline logs. It demystifies nomenclature and provides participants with interpretation tools useful for both quick look selection of appropriate depositional models and assessment of reservoir potential.

Participants learn how to recognize and correlate sequence boundaries, flooding surfaces, condensed sections and system tracts. The course emphasizes geology, focusing on clastic depositional systems using the integration of multiple data sets to recognize, characterize, map and quantify potential traps, plays and reservoirs. Depositional systems are placed in a sequence stratigraphic framework and are described as low stand, transgressive or highstand system tracts. Each systems tract has its own unique petroleum system attributes, including reservoir, seal, trap, and source potential.

Case histories of known petroleum systems are used to illustrate variability, including examples from the Gulf of Mexico, Niger Delta, North Slope Alaska, Western Siberia and North Sea. 3-D seismic interpretation methods for play and reservoir delineation are discussed and illustrated, including seismic amplitude displays, horizon slicing and stratigraphic horizon flattening techniques.

Learning Outcomes:

1. To understand the principles, concepts, terminology, models and application of the sequence stratigraphic methodology.
2. To 'de-mystify' the jargon of sequence stratigraphy and define the concepts in the context of a hierarchy of depositional environments arranged within a time-stratigraphic context.
3. To develop an appreciation for the range of data types that through integration can increase confidence in interpretations and risk analysis.
4. To be aware of and practice different interpretation techniques-types leading to quick-look assessment of plays-types.
5. To appreciate issues of scale and datum in interpretation of data for depositional setting and potential reservoir heterogeneity.

Who Should Attend:

Geologists, geophysicists, engineers and petrophysicists interested in the application of sequence stratigraphic fundamentals to exploration and production projects.

Course Content:

- Sequence stratigraphic models
- Depositional systems and exploration strategies
- Interpretation methodology
- Applications of the interpretation methodology using hands-on examples
- Seismic facies analysis and petroleum systems
- Mapping seismic facies source rocks in a sequence stratigraphic context

For further details contact training@uzmagroup.com or register on line at:
http://scacompanies.com/training_services/CourseDetail.aspx?courseid=40