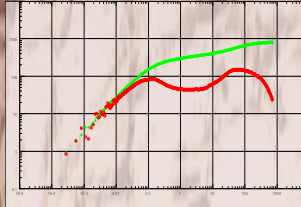
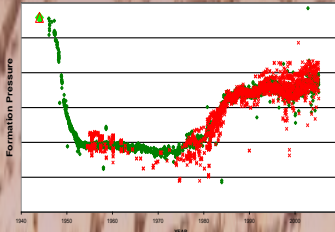
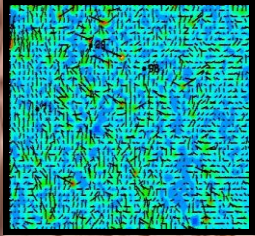
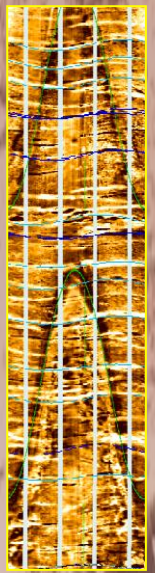


The Dhahran Geoscience Society

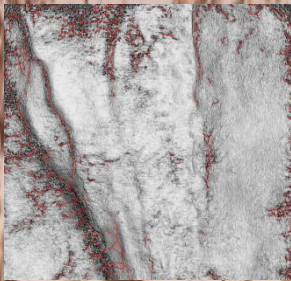
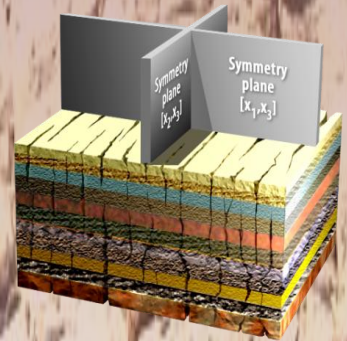
Fractures Detection and Characterization for Exploration and Development Workshop



the Carlton Hotel, Al Khobar
16 December 2009

Organized by

Abdulfattah Al-Dajani
PhD Geophysics



Fractures detection and characterization are essential to many exploration and development hydrocarbon plays. An accurate mapping of fractures networks not only help in locating “sweet spots” and understanding migration pathways for exploration prospecting, but also it enhances reservoirs descriptions through more realistic representation for the geological models; hence, assisting in achieving more optimized field development and well placements. Ultimately, this will enhance the predictions of our reservoirs simulations and production. In the presence of fractures, seismic wave propagation and recorded seismic reflections manifest themselves to reflect the effects of fractures through azimuthal variations in their seismic properties and causing what is known as seismic azimuthal anisotropy. Similar perturbations will affect other static and dynamic properties of the reservoirs in fractured media. In this workshop, distinguished geologists, geophysicists and engineers will address the concepts behind fractures detection and characterization in a multidisciplinary approach. The workshop highlights the geological setting and related field & borehole observations pertaining fractures and their effects on reservoir properties. Seismic azimuthal anisotropy and its application toward detecting and understanding fractures models in exploration and development geophysics will also be covered. The workshop emphasizes integration of multi disciplines to reduce the ambiguities and enhance the understanding and descriptions of fractured reservoirs.

Who can attend

Industry and academic geoscientists and petroleum engineers

