



Microseismic Real-Time Monitoring of a massive hydraulic tight gas stimulation

Q-con has completed the first microseismic real-time monitoring job of a **massive hydraulic stimulation in a tight gas field of Santos Ltd, Australia**. Q-con's monitoring system has been installed earlier this year running continuously in a self-sustaining monitoring mode since then (see also News Article from 26 June 2006). During the stimulation monitoring job, Q-con's team was processing and analysing the data stream on site, in a **24-hour real-time mode**.

The network proved to be highly robust in extreme desert weather conditions (sandstorms, extreme temperature and humidity variations). The **system uptime and data availability was > 99.99%** providing highest quality data recordings.

In addition, Q-con's real-time processing and visualization software package was equipped with a data interface to Halliburton's frac truck allowing the **simultaneous analysis of seismic and hydraulic pumping data.**



The Stimulation Team: Santos (blue), Halliburton (red) and Q-con (grey).