

**A Pilot Project: Passive Seismic Experiment for Reservoir Monitoring and Characterization at King Fahd University of Petroleum and Minerals**

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As part of National Science, Technology and Innovation Plan of the King Abdulaziz City for Science and Technology (KACST) program, we recently received two-year funding to carry out a small-scale pilot passive seismic (PS) experiment. The experiment involves setting up thirty three-component passive surface stations over an active reservoir. The main scope of the experiment is to better understand the subsurface reservoir using passive seismic data. We believe that our research will be a small step forward in the right direction to develop a new tool to meet the increasing demand for world marketed energy consumption which is projected to increase by 44 percent from 2006 to 2030 (see the international energy outlook 2009 at <http://www.eia.doe.gov/oiaf/ieo/index.html>).