

2012 Geothermal Technologies Student Competition

Team Mentor: Dr. David Blackwell
College or University: Southern Methodist University
Academic Department: Earth Sciences
Team Mentor Email: Blackwell@smu.wsu
Mailing Address: PO Box 750395, Dallas, TX 75275
Mentor Phone Number: 214-768-2745

Team Leader: Maria Richards
Name of Team: SMU Geothermal Lab
Team Leader Mailing Address: PO Box 750395, Dallas, TX 75275
Team Leader Email: mrichard@mail.smu.edu
Team Leader Phone Number: 214-768-1975

Approach and Methodology

The SMU Geothermal Laboratory Student Team will accomplish two project goals. First we will synthesize 600 temperature-depth (T-D) logs at depths ranging from 50-3500m available for the Snake River Plain (both Eastern and Western) for an overall understanding of the variation in log curves. We will use this understanding of temperature data to focus on the Western Snake River Plain with a detailed assessment of a site to be determined from initial T-D curve research for an EGS project. The current understanding of temperatures within the Western Snake River Plain Sedimentary Basin indicate expected reservoir temperatures hot enough for a successful EGS project (>300°F, 150°C at