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Erica J. Powell

Master's Candidate, May 2011
Jackson School of Geosciences
The University of Texas at Austin
Advisor: Dr. Wonsuck Kim

Tentative Thesis title: "Decoupling Allogenic Signals from Autogenic Cyclicity in Fluvio-Deltaic Shoreline Systems: Experimental, Theoretical, and Numerical Modeling"

Education

- May 2011 M.S. in Geological Sciences, Jackson School of Geosciences at the University of Texas at Austin, Sedimentology and Stratigraphy
- GPA: 4.0/4.0
 - Current research in shelf margin evolution and fluviodeltaic autogenic cyclicity using experimental flume studies
 - Course work in areas including: Clastic Depositional Systems, Sequence Stratigraphy, Basin Analysis, Morphodynamics, Three-dimensional stratigraphy, Modern Carbonate Depositional Environments and Tectonics
- December 2008 B.S. in Geological Sciences, Jackson School of Geosciences at the University of Texas at Austin
- Geosciences GPA: 3.14/4.0
 - Course work in areas including: GIS/GPS Technologies, Petroleum Geology, Geophysics, Sedimentology/Stratigraphy, Field Methods, and Structural Geology

Professional Experience

May 2010 – August 2010

January 2009 – August 2009

Geologist Intern – Southwestern Energy Company

Correlated well data in two study areas including a regional area of exploration as well as a regional area in development. Targeted specific intervals and regionally evaluated potential source rock and reservoir stratigraphy. Interpreted subsurface geometries including structural and isochore interpretations. Illustrated depositional models using hand generated subsurface maps. Utilized exploration isopach techniques, mudlogs, dipmeter logs, and digital data. Calculated volumetric models for productive intervals.

August 2009 – December 2009

Graduate Research Assistant – **Jackson School of Geosciences, The University of Texas at Austin**

Assisted research scientists at the Bureau of Economic Geology. Edited thin section photomicrographs. Researched professional papers regarding shale gas. Cleaned and prepared core and core samples.

September 2007 – December 2008

Undergraduate Research Assistant – **Bureau of Economic Geology, Jackson School of Geosciences**

Depth registered well logs and updated the *Petra* database system. Captured and imported directional surveys into *Petra*. Accounted for the correctness of the directional surveys. Digitized well logs using the *Neuralog* program.

February 2005 – September 2007

Server, Trainer, Headwait, Admin, Bartender, Key Manager – **Outback Steakhouse**

Managed colleagues on a daily basis while solving customer issues and delegating responsibilities to peers. Handled cash flow of entire restaurant. Trained new outbackers to meet the standards of the company.

Professional Memberships

American Geophysical Union
Society for Sedimentary Geology
American Association for Petroleum Geologists
Society for Exploration Geophysics
International Association of Sedimentology

Awards

- William R. Muehlberger Field Geology Scholarship