

Emily (Comer) Swanson, P.G.

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EXPERIENCE:

2/15-present

Geologist: Cimarex Energy

Development and Exploration geologist for Permian Division

Supervisor: Tiffany Hopkins

- Well planning and development geology in Wolfcamp and Bone Spring Shale
- Regional exploration mapping of Bone Spring
- Seismic interpretation of Delaware Basin

12/11-06/14

Geologist: Southwestern Energy Company

Geologist for the Appalachia, ArkLaTex, and Fayetteville Shale Divisions

Supervisor: Matt Williams, Vince Felt, John Jeffers, Gary Bajgier

- Well planning and development geology in Fayetteville Shale
 - Sworn into the AOGC as an expert witness in the field of geology 10/22/2013
 - Mentor to rotational geologists
- Core and petrographic study of Brown Dense carbonates
- Regional Evaluation of the Fairway Legacy: Pennsylvanian and Mississippian sands
- Regional subsurface mapping of Marcellus Shale
- Conducted interviews during the 2013 recruiting process

01/10-08/11

Research Assistant: Pennsylvania State University

Advisor: Rudy Slingerland Ph.D.

- 6 Weeks of Field work in Patagonia, Argentina
- Hydrodynamic modeling
- Thin section petrography
- X-ray Diffraction

8/09-12/09

Teaching Assistant: Pennsylvania State University

TA for General Geology: Geosc 40 Tim Bralower Ph.D. and Peter LaFemina Ph.D.

03/09- 08/09 & 07/10

Intern: Southwestern Energy Company

Geologist intern for the Unconventional Resources Team working the Marcellus Shale play

Mentors: Kathy McDonald and Cheston Cooper; Supervisor: Matt Williams

- Regional Mapping and Geochemistry of the Genesee and Mahantango Shales
- Geologic Evaluation of the Trenton Black River hydrothermal dolomites as prospects in Northern PA

01/06-12/08

Research Assistant: Bureau of Economic Geology/Jackson School of Geosciences

Collaborated with Kitty Milliken Ph.D. on petrographic analysis of sand from the Nankai Accretionary Prism.

Oversaw SEM and Microprobe labs.

10/07-12/08

Research Assistant: Jackson School of Geosciences

Research Assistant for Bob Folk Ph.D.

EDUCATION:

Master of Science Geology: The Pennsylvania State University

August 2009- August 2011

GPA- 3.8/4.0

Thesis: Depositional Environments of the Salamanca Formation; Chubut Province, Argentina

Advisor: Rudy Slingerland Ph.D. Co-Advisor: Peter Wilf Ph.D.

Bachelor of Science, General Geology Honors: The University of Texas at Austin: Jackson School of Geosciences

August 2005- December 2008

Geology GPA- 3.6/4.0 UT GPA-3.5/4.0

Senior Thesis: Modal Analysis of Sand from the Nankai Accretionary Prism

Advisor: Kitty Milliken Ph.D.

Overseas Studies: University of Sussex, Brighton England

June 2007-August 2007

Career Development Training

Interpretation of 3-D Seismic Data	<i>Instructor:</i> Alistair R. Brown	<i>Date:</i> 01/12
Basic Openhole Log Interpretation	<i>Instructor:</i> Daniel Krygowski	<i>Date:</i> 10/12
Applied Carbonates	<i>Instructor:</i> Jeffrey Dravis	<i>Date:</i> 01/13
Sequence Stratigraphy	<i>Instructor:</i> Roger Slatt	<i>Date:</i> 02/13
Subsurface Geological Mapping	<i>Instructor:</i> Sia Agah	<i>Date:</i> 02/13
Geomechanics	<i>Instructor:</i> David Wiprut	<i>Date:</i> 05/14
Bypassed Pay DST	<i>Instructor:</i> Hugh Reid	<i>Date:</i> 10/15
SEPM Young Professional Field Trip Permian Basin	<i>Instructor:</i> Robert Trentham	<i>Date:</i> 06/18
Geophysics for Subsurface Professionals	<i>Instructor:</i> Steve Western	<i>Date:</i> 06/19

AWARDS, PRESENTATIONS, and PAPERS:

- Professional Geologist State of Texas- License # 12565
- Palaios 2015; “Sedimentary Facies and Depositional Environments of Diverse Early Paleocene Floras, North-Central San Jorge Basin, Patagonia, Argentina” Comer et al.
- Geological Society of America Bulletin 2014: “New age constraints for the Salamanca Formation and lower Río Chico Group in the western San Jorge Basin, Patagonia, Argentina: Implications for Cretaceous-Paleogene extinction recovery and land mammal age correlations” Clyde et al
- Proceedings of the Integrated Ocean Drilling Program 2012: “Data Report: modal sand composition at Sites C0004, C0006, C0007, and C0008, IODP Expedition 316, Nankai Accretionary Prism” Kitty L. Milliken, Emily E. Comer, and Kathleen M. Marsaglia
- Outstanding Student Paper Award, AGU Ocean Sciences Division: Spring 2011
- AGU Fall Meeting 2010, San Francisco California: Poster Presentation entitled “Depositional Environments of the Salamanca Formation: Chubut Province, Patagonia Argentina”
- Valedictorian of graduating class: Fall 2008
- GSA Student Expo 2008, Houston Texas: Poster Presentation entitled “Modal Analysis of Sand from the Nankai Accretionary Prism”

SOFTWARE:

Adobe Illustrator/Photoshop	Fledermaus	MATLAB
ArcGIS	HecRas	Petra
Corel Draw	JADE	Promax
Delft 3D	Kingdom SMT	Geographix