

**Landon P. Lockhart**  
7231 Abrams Place Court, Dallas, TX 75231  
Tel. (214) 796-4411 - Email: landon.lockhart@utexas.edu

## EDUCATION

Master of Science  
May 2018

**Jackson School of Geosciences, University of Texas at Austin**  
**Thesis:** *Pore pressure prediction: from vertical stress to mean stress to the full stress tensor*, Advisor: Dr. Peter Flemings; Co-Advisor: Dr. Maria Nikolinakou  
Cumulative GPA: 3.8/4.0

Bachelor of Science  
May 2015

**Boone Pickens School of Geology (with Honors), Oklahoma State University**  
**Minor:** Mathematics  
**Thesis:** *Geophysical mapping of the Makgadikgadi Basin, northern Botswana*, Advisor: Dr. Estella Atekwana.  
Cumulative GPA: 3.7/4.0

## PROFESSIONAL EXPERIENCE

Geoscience Intern  
Summer 2018

**Peregrine Petroleum**, Houston, TX  
Evaluated Wilcox potential at central LA prospect. Primary methods included regional subsurface mapping (PETRA), 2D seismic interpretation (Kingdom), and projection of producing trends in the area. Exceeded project expectations by performing preliminary economic evaluation of prospect (cost to drill and complete dry/oil well, rate of return, return on investment, etc.). Final presentation identified areas to guide future Wilcox drilling efforts.

Member/Presenter  
2015-present

**GeoFluids Consortium**, Austin, TX  
Developed a MATLAB-based online pore pressure prediction software (UT-FAST-P<sup>3</sup>) for the GeoFluids website. Presented numerous posters and talks that focus on application of novel pore pressure prediction workflow that combines geomechanical modeling, experimental analysis, and field data at the Mad Dog Field, Gulf of Mexico.

Geoscience Intern  
Summer 2015

**Denbury Resources Inc.**, Plano, TX  
Conducted geologic mapping of the Holt-Bryant reservoir in LA. Used PETRA for stratigraphic correlation and reservoir mapping. Deliverables included structure, thickness, isopach, net sand, and net pay maps. Work culminated in the discovery of a candidate sand body for CO<sub>2</sub> flood, with an estimated 8 MMbbl OOIP.

## FIELD EXPERIENCE

Marine Geology and Geophysics  
Field Course (May 2016)

**Freeport, TX**  
Learned to sample, acquire, process, integrate, and interpret marine geological and geophysical data during research cruise. Methods included high-resolution air gun and streamer seismic reflection, CHIRP seismic reflection, multibeam bathymetry, sidescan sonar, and sediment coring, grab sampling, and the sedimentology of resulting seabed samples.

Geology Field Camp  
Summer 2014

**Cañon City, CO**  
Geology field camp with coursework in structural and stratigraphic analysis, and resistivity surveying.

Field Assistant  
Summer 2013

**Botswana, Zambia, Malawi, Africa**  
Participated in geophysical research expedition led by Dr. Estella Atekwana. Acquired, processed, and analyzed magnetic, gravity, and elevation data from the East African Rift System. Fieldwork contributed to understanding mechanisms of rift initiation.

## PRESENTATIONS

- Oral Presentation**  
February 22, 2018  
**UT Geofluids Consortium Annual Meeting**, Austin, TX  
Lockhart, L. "Pressure prediction: from vertical stress to the full stress tensor: UT-FAST-P<sup>3</sup> software."
- Oral Presentation**  
February 22, 2018  
**UT Geofluids Consortium Annual Meeting**, Austin, TX  
Lockhart, L. "Log-based pressure prediction in the Mad Dog Field with the FES method."
- Oral Presentation**  
April 29, 2017  
**Master's Defense**, Austin, TX  
Lockhart, L. "Pressure prediction in a non-uniaxial setting based on velocities and geomechanical modeling: Mad Dog Field, Gulf of Mexico."
- Poster Presentation**  
April 3, 2017  
**AAPG**, Houston, TX  
Lockhart, L., Flemings P.B., Nikolinakou, M.A., Heidari, M. "Pressure prediction in a complex stress field based on field data and geomechanical modeling: Mad Dog Field, Gulf of Mexico."
- Oral Presentation**  
February 23, 2017  
**UT Geofluids Consortium Annual Meeting**, Austin, TX  
Lockhart, L. "Integrated approach to pressure prediction at Mad Dog Field, Gulf of Mexico."
- Oral Presentation**  
March 3, 2016  
**UT Geofluids Consortium Annual Meeting**, Austin, TX  
Lockhart, L. "Application of enhanced geomechanical workflow to predict pressure at Mad Dog wells."
- Poster Presentation**  
December 15, 2016  
**AGU Fall Meeting**, San Francisco, CA  
Lockhart, L., Flemings P.B., Nikolinakou, M.A., Heidari, M. "Pressure prediction in non-uniaxial settings based on field data and geomechanical modeling: a well example."
- Oral Presentation**  
May 4, 2016  
**Undergraduate Honors Thesis Defense**, Stillwater, OK  
Lockhart, L. "Geophysical mapping of the Makgadikgadi Basin, northern Botswana."

## COMPUTER SKILLS

**Kingdom** (proficient)  
**PETRA** (proficient)  
**MATLAB** (proficient)  
**Geolog** (proficient)  
**Landmark**  
**ArcGIS**  
**HTML/CSS**  
**JavaScript**

## KEY GRADUATE COURSEWORK

**Advanced Petrophysics**  
**Fundamentals of Well Logging**  
**Marine Geology and Geophysics**  
**Construction and Interpretations of 3D Stratigraphy**  
**Crustal GeoFluids**  
**Flow Modeling and Transport in Porous Media**

## PROFESSIONAL ORGANIZATIONS

**American Association of Petroleum Geologists**(2011-present)

**American Geophysical Union** (2015-present)

**Geological Society of America** (2015-present)

**American Rocks Mechanics Association** (2016)

**Phi Kappa Phi**, All-Discipline Honor Society (2015-present)

## **HONORS & SCHOLARSHIPS**

**Eagle Scout** (2011), **Honors College Degree** (2015), **Departmental Honors Award in Geology** **General Honors Award** (2013), **Dean's Honor Roll** (2011-2015), **President's Honor Roll** (2013), **Phi Kappa Phi Honors Society** (UT), **Phi Eta Sigma Honors Society** (OSU), **Non-OSU Scholarship** (2013), **Fourjay Foundation Scholarship** (2014), **Oklahoma Geological Foundation Field Camp Grant** (2014), **Geology Scholarship** (2014-2015), **Devon Energy Corporation Scholarship** (2013-2014), **Skinner Scholarship** (2013-2015), **Arts and Sciences' Biannual Student Spotlight** (2013), **Featured in Boone Pickens School of Geology (BSoG) Annual Newsletter as the Undergraduate Student Highlight and for International Research** (2014), **BSoG and Arts and Sciences Outstanding Senior Award** (voted unanimously by all faculty) (2015), **Featured in OSU's Academic Mailer for Alumni** (2015), **Recommended by BSoG Faculty to Represent Geology Department for A&S Webpage** (2015).