

CURRICULUM VITAE
Jared Roman Smith, Geologist

PERSONAL

Name: Jared Roman Smith
Birth date: August 18, 1988
Birthplace: Oklahoma City, Oklahoma
Citizenship: United States
Languages: English

SPECIALIZATION

Geologic map production and analyses, structural geology, geochemistry, permitting and compliance, geophysical log analyses, seismic interpretations, core and soil bore analyses, Arc-Map/GIS technician, IHS and Geographix technician, data analysis and management, safety management, quality assurance and quality control, field research, and geotechnical writing

EDUCATION

University of New Mexico, 2016
M.S. Geology

University of Oklahoma, 2012
B.S. Geology

HONORS AND AWARDS

Graduate Summer Scholarship – University of New Mexico
Research Assistant Scholarship and Grant (funded by EPSCoR) – University of New Mexico
Teaching Assistant Scholarship – University of New Mexico
Deans Honor Roll – University of Oklahoma (3.0 GPA or higher)
Browning Enterprises Inc. Summer Field Scholarship – University of Oklahoma
Boy Scouts of America – obtained the rank of Eagle Scout

ORGANIZATIONS

Geological Society of America
Association of Geology Graduate Students at the University of New Mexico (Treasurer-2015)
American Geophysical Union
Experimental Program to Stimulate Competitive Research (an NSF program)
American Association of Petroleum Geologists
New Mexico Geological Society
Albuquerque Gem and Mineral Club
St. Martins Hospitality Center (Albuquerque, New Mexico)
Member of Sigma Alpha Epsilon Fraternity

PUBLICATIONS

Smith, J.R., In-Prep, CO₂ Flux Along Faults of the Central Rio Grande Rift, New Mexico: M.S. Thesis, University of New Mexico.

Schmandt, B., Gaeuman, D., Stewart, R., Hansen, S., Tsai, V.C., Smith, J., In-Prep, Reach-scale spatial and temporal variations in bedload transport detected by a riverside seismic array and time-lapse bathymetry, Science.

Smith, J.R., Crossey, L., Karlstrom, K., Fischer, T., Lee, H., and McGibbon, C., Fault Networks in the Northwestern Albuquerque Basin and their Potential Role in Controlling Mantle CO₂ Degassing and Fluid Migration from the Valles Caldera; American Geophysical Union Fall 2015 Conference; December 14-18, Abstract V43C-3171.

Smith, J.R., Crossey, L., Karlstrom, K., Fischer, T., Lee, H., Grulke, T., Thomas, G., and McGibbon, C., Mantle CO₂ Degassing and Fluid Migration along Fault Networks in the Northwestern Albuquerque Basin and Valles Caldera; New Mexico Academy of Science Research Symposium, November 14, 2015, Abstract.

EMPLOYMENT

March 2013 - Present

Staff Geologist

Geolex, Inc.

500 Marquette Avenue NW, Suite 1350

Albuquerque, New Mexico 87102

Duties, Accomplishments, Responsibilities:

1. Write end of well reports for acid gas injection wells.
2. Map developer. Utilize *Arc-Map/GIS* software for geospatial analyses including: groundwater elevation and flow, production, well locations and radii of influence, rig schematics, bottom and top hole locations and chemical soil maps.
3. Generate permits for salt water disposal and acid gas injection wells.
4. Provide onsite core analysis for acid gas injection wells.
5. Onsite geological and regulatory supervision for drilling acid gas injection wells and workover wells. Provide rig supervision and safety compliance.
6. In-house research specialist: Utilize online resources (NMOCD and BLM) for permitting compliance. Investigate published academic material for use in litigation and specific projects.
7. Provide geochemical analysis for the fate and transport of chemicals within environmental media.
8. Website developer.

May 2015 – July 2016

Research Assistant

Dr. Karl Karlstrom and Dr. Laura Crossey

Department of Earth and Planetary Sciences

Northrop Hall, 221 Yale Blvd NE

University of New Mexico

Albuquerque, New Mexico 87131

Duties, Accomplishments, Responsibilities:

1. Generate geologic maps using ArcGIS for publications.
2. Generate geophysical maps (mantle tomography and crustal thickness) using ArcGIS for publications.
3. Data management.
4. Assist with field research.
5. Assist with updating the Experimental Program to Stimulate Competitive Research (EPSCoR) grant committee about recent research.
6. Manage undergraduate students in the field and for analytical work.

January 2015 – May 2015
Igneous and Metamorphic Petrology Teaching Assistant
Department of Earth and Planetary Sciences
Northrop Hall, 221 Yale Blvd NE
University of New Mexico
Albuquerque, New Mexico 87131

Duties, Accomplishments, Responsibilities:

1. Generate weekly lab lectures and assignments.
2. Generate lab quizzes and tests.
3. Assist students with fundamental petrology questions during lab and office hours.
4. Grade lab assignments, quizzes, and tests.
5. Repair broken petrology microscopes and thin sections.

July 2012 – December 2012
Contract Geologist
W.M. Smith Energy, LLC
909 NW 71st Street
Oklahoma City, OK 73116

Duties, Accomplishments, Responsibilities:

1. Generate net and gross porosity maps, structure maps, and cross sections using geophysical logs (i.e. gamma ray, resistivity, conductivity, and dual induction logs).
2. Analyze logs for exploration and production.
3. Generate production maps of western Oklahoma.
4. Research and obtained logs from the log library at the Oklahoma City Geological Society.

June 2010 – August 2010
June 2011-August 2011
Geologist Intern
Mustang Fuel Corporation
9800 N. Oklahoma Ave.
Oklahoma City, OK 73114

Duties, Accomplishments, Responsibilities:

1. Geographix and IHS technician developing land and production maps.
2. Provide geologic support.
3. Generate cross sections using geophysical logs.
4. Research and obtain geophysical logs from the log library at the Oklahoma City Geological Society.