

Resume for John C. Lorenz

I earned my undergraduate degree, with a double major in geology in anthropology, from Oberlin College in 1972, after which my wife dragged me off to Morocco to teach English and learn Arabic with the Peace Corps. In Morocco, I ran into a group of geologists from the University of South Carolina, and hooked up with them to do an M.Sc. on a Moroccan Triassic rift basin. I worked for the USGS in Louisiana and New Mexico from 1975 to 1977, which drove me back to school, where I worked on the Nubian Sandstone in Libya and Cretaceous strata in Montana and earned a PhD from Princeton University in 1981. I joined Sandia National Laboratories in 1981 to be the geologist for the tight gas Multiwell Experiment in the Piceance basin, where I invented the internet and discovered natural fractures. I was the token geologist at Sandia Labs from 1981 to 2007, doing fractured-reservoir studies in exotic places such as Alaska, Algeria, and Texas. During that time, I was conned into being the American Association of Petroleum Geologists Elected Editor from 2001-2004. More recently I served as president of the AAPG 7/1/09 to 6/30/10. As president, I supported the advancement of the geosciences and their applications to hydrocarbon-related problems. I left Sandia in March of 2007 and have been busy with AAPG and as a consultant ever since.

My published papers on natural and induced fractures in reservoirs range geographically from the Lisburne Limestone in Alaska to the Spraberry Formation in Texas. These papers and presentations have been awarded the AAPG Levorsen and Jules Braunstein awards. I have worked closely with the oil and gas industry on problems involving reservoir dimensions and in situ permeability, receiving regular doses of reality while gaining extensive hands-on experience with core analysis and fieldwork. I have led field trips, presented core workshops, and taught short courses for the industry-oriented geological community. My work has been practical, aimed at improving the understanding of fractured reservoirs and permeability in order to enhance fluid extraction. I have also addressed the problems of determining the dimensions of reservoirs deposited in fluvial environments, and ferried new-purchase aircraft across the US in both directions.

John C. Lorenz

Education

1981, Ph.D., Geology, Princeton University, Princeton, New Jersey

1975, M.Sc., Geology, University of South Carolina, Columbia, South Carolina

1972, B.A., Geology/Anthropology, Oberlin College, Oberlin, Ohio

Experience

2007-present, Consultant, Geoflight LLC, Edgewood, NM

1981-2007, Distinguished Member of Technical Staff, Sandia National Laboratories, Albuquerque, New Mexico

1975-1977, Geologist, US Geological Survey, Metairie, Louisiana, and Roswell, New Mexico

1972, Volunteer, Peace Corps Morocco, Casablanca, Morocco

Memberships

American Association of Petroleum Geologists

Society of Petroleum Engineers
Albuquerque Geological Society
Rocky Mountain Association of Geologists
Civil Air Patrol

Publications

Numerous publications, including one book, on sedimentology, natural fractures, and reservoir characterization, as well as articles on general aviation (see accompanying publications list)

Associations

Associate with the Rock Deformation Research group at the University of Leeds, Leeds, UK (<http://www.rdr.leeds.ac.uk/>), and with the Enhanced Oil Recovery Institute at the University of Wyoming (<http://eori.gg.uwyo.edu/>) since 2007. Previous adjunct professor at the New Mexico Institute of Mining and Technology

Other Interests

American Association of Petroleum Geologists President-Elect, 2009-2010
American Association of Petroleum Geologists Elected Editor 2001-2004
Fluvial sedimentology (See publications list)
Flight instruction (Private, Instrument, Commercial, Tailwheel, Mountain checkouts, High Performance, Complex, and Multi-engine (see also articles authored in the Southwest Aviator, www.swaviator.com))

Contact

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