



RESEARCH ASSISTANT PROFESSOR

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Joe Moore

PROFESSIONAL RESEARCH INTERESTS AND EXPERTISE –

- Hydrothermal Alteration
- Mineralogy
- Fluid Inclusion investigations of Geothermal
- Petroleum and CO2 Reservoirs

REGIONAL AND BASIN EXPERIENCE –

- Geologic mapping in the Basin and Range

EDUCATION –

- 1969 B.S. in Geology, City College of New York
- 1972 M.S. in Geology, Pennsylvania State University
- 1975 Ph.D. in Geology, Pennsylvania State University

MEMBERSHIPS –

- Geological Society of America
- Geothermal Resources Council

HONORS AND AWARDS –

- 1999-Present, Associate Editor for the Americas, Geothermics

- 2003-Present, Board of Directors, Geothermal Resources Council
- 2005, Geothermal Resources Council Special Achievement Award

PUBLICATIONS –

- Bloomfield, K.K. and **Moore, J.N.**, 2003, Modeling hydrofluorocarbon compounds as geothermal tracers: *Geothermics*, v. 32, p. 203-218
- Nash, G. **Moore, J.N.**, and Sperry, T., 2003, Vegetal-spectral anomaly detection at the Cove Fort-Sulphurdale thermal anomaly, Utah, USA: implications for use in geothermal exploration: *Geothermics*, v. 32, p. 109-130.
- **Moore, J. N.**, Christenson, B., Browne, P. R. L. and Lutz, S. J., 2004, The mineralogic consequences and behavior of descending acid-sulfate waters: an example from the Karaha-Telaga Bodas geothermal system, Indonesia: *Canadian Mineralogist*, v. 42, p. 1483-1499.
- Nemcok, M., **Moore, J. N.**, Allis, R., McCulloch, J., 2004, Fracture development within a stratovolcano: the Karaha-Telaga Bodas geothermal field, Java volcanic arc. In: *The initiation, propagation, and arrest of joints and other fractures* (Engelder, T. and Cosgrove, J. eds.): Geological Society of London, Special Publication 231, p. 223-242.
- **Moore, J.**, Adams, M., Allis, R., Lutz, S. and Rauzi, S., 2004, CO₂ mobility in natural reservoirs beneath the Colorado Plateau and southern Rocky Mountains: an example from the Springerville-St. Johns field, Arizona and New Mexico: *Chemical Geology*, v. 217, p. 365-385.
- White, S. P., Allis, R.G., **Moore, J.**, Chidsey T., Morgan, C., Gwynn, W. and M. Adams, 2004, Simulation of reactive transport of injected CO₂ on the Colorado Plateau, Utah USA: *Chemical Geology: Chemical Geology* v. 217, p. 387-405.
- Lynne, B.Y., Campbell, K.A., **Moore, J.N.** and Browne, P.R.L., 2005. Rapid diagenesis of siliceous sinter (opal-A to quartz) over 1900 years at Opal Mound, Roosevelt Hot Springs, Utah, U.S.A.: *Journal of Sedimentary Geology*, v. 179, p; 249-278
- Lynne, B.Y., Campbell, K.A., Perry, R.S, Browne, P.R.L. and **Moore J.N.** and, 2006. Acceleration of sinter diagenesis in an active fumarole, Taupo Volcanic Zone, New Zealand: *Geology*, in press.