



Steven J Skotnicki, PhD, RG

Professional Experience: 21 years ♦ HSI Experience: 10 years

Education:

Ph.D. (Geology),
Arizona State
University, 2001

Masters of Science
(Geology), Arizona
State University, 1992

Bachelor of Science
(Geology), Arizona
State University, 1989

Professional Registration:

Geologist: State of
Arizona, No. 41793,
2004

Relevant Skills:

- Geologic mapping
- Lithologic and structural analyses
- Subsurface interpretations
- Correlate geologic structures with hydrologic environments

Professional Experience:

Arizona Geological
Survey, 1992-2004

New Mexico Bureau of
Geology, 2003-
Present

Chandler-Gilbert
Community College,
Teach Environmental
Geology

Summary

Geologist, Provides experience in the geology of Arizona and the southwest; oversight for drilling of water production wells, aquifer testing, and subsurface geophysical services; create and review geologic logs, groundwater data, and water-quality analysis results; quality assurance and quality control (QA/QC) of final reports submitted for client projects and regulatory review; interpret subsurface hydrogeologic data using drill cuttings, regional and local hydrologic data, and CSAMT/TEM geophysical surveys.

Technical Experience

Senior Geologist, SDB/City of Flagstaff Cinder Lake Landfill, Flagstaff Arizona

Dr. Skotnicki helped perform and analyze a subsurface TEM, nanoTEM, and CSAMT geophysical survey, provide oversight for the drilling of six shallow boreholes and one deep borehole in support of the post-Schultz-fire flooding and recharge study conducted at Cinder Lake. Steve used the geophysical data and the drill cuttings to construct a subsurface geologic model beneath the site. This project was performed with the cooperation of Coconino County and the U.S.G.S. Steve wrote the technical report and presented the results of this study at the AHS Symposium in Flagstaff.

Senior Geologist, Carollo Engineering, City of Prescott, AZ

Dr. Skotnicki oversaw the drilling, design, and completion of Airport Well No. 3, a water production well on the northwest side of the Prescott Airport. Steve provided communication between the driller, the engineering company, and the City, provided partial oversight for drilling and testing of the well, and wrote the well completion report.

Senior Geologist, Buckeye Development, LLC, Buckeye, AZ

Dr. Skotnicki provided oversight of field activities for the drilling, development, testing, and completion of a deep production well drilled for the Town of Buckeye about 10 miles west of Goodyear, that penetrated the bottom of the basin. Evaluated well cuttings, geophysical logs and drilling information and produced an interpretation of the subsurface geology. Other activities included helping to determine the isolated zone sampling intervals for water-quality testing and preparing data from the drilling and water quality testing as part of the drilling completion report.

Senior Geologist, Fountain Hills Sanitary District Recharge Facility, Fountain Hills, AZ

Dr. Skotnicki mapped the surface geology in the Fountain Hills area and incorporated data from well cuttings, core, drill logs, geophysical logs, and published gravity data to create a subsurface geologic model for the Lower Verde River Valley.