

NAME JAMES W. RIESTERER, P.G.
TITLE Geologist, Glorieta Geoscience Inc.
Wyoming PG #3540, Texas PG #10244, Arizona PG #50912, WA PG #3034

EXPERIENCE SUMMARY 19 Years of Experience Encompassing the Following Areas:

- Well design and drilling supervision
- Well and well field evaluation
- Pumping test design supervision and data analysis
- Geologic and Geomorphic mapping
- Groundwater modeling
- Application of GIS to geohydrologic problems
- Water rights transactions and litigation support
- Water supply development

SELECTED PROJECT EXPERIENCE

City of Las Vegas, NM: Created stream flow routing model to evaluate effects of various Active Water Resource Management (AWRM) scenarios on City's water rights in support of pending OSE application.

NM Interstate Stream Commission: Designed and supervised construction and testing of three production wells used to augment Pecos River flows for endangered species protection. Analyzed general and isotope chemistry samples from the well field to characterize water quality and rates of recharge.

City of Ruidoso Downs, NM: Performed aquifer characterization study, designed and supervised drilling, completion, and testing of two municipal supply wells, provided litigation support for water rights applications.

City of Rio Rancho: Designed groundwater exploration program for the City of Rio Rancho that incorporated geologic, hydrologic, and remote sensing data, combined with data from the City's existing infrastructure. Completed three new production wells, including zone testing for water quality, ranging in depth from 2500 to 3000 ft with production of between 2400 and 3200 gpm.

City of Española, NM: Supervised exploratory drilling and zone testing program, designed and supervised drilling, construction, and testing of production well drilled at the site, currently providing litigation support in Abbott adjudication.

City of Socorro, NM: Designed exploratory drilling program for City of Socorro, supervised design and construction of 1200 feet deep exploratory well with zone sampling program and 1000 feet deep production well.

Zuni Pueblo, NM: Provided litigation support for protest of new application by City of Gallup; evaluated impacts of pumping from proposed coal mine on Zuni Salt Lake, performed well inventory study, performed spring inventory study.

Los Alamos National Laboratory, NM: Performed geomorphic mapping and sediment sampling to characterize sediment and contaminant transport.

EDUCATION

M.S. Geology, Idaho State University, Pocatello, ID, 1998
B.A. Geology and Economics, Whitman College, Walla Walla, WA, 1996



LITIGATION SUPPORT SUMMARY				
Year	Case	Client	Jurisdiction	Expertise
2005	NMOSE Hearing No. 05-028	City of Ruidoso Downs	NMOSE	Geology, Hydrology
2007	NMOSE Hearing No. 07-038	Santa Fe Canyon Ranch	NMOSE	Geology, Hydrology
2009-present	State of New Mexico, ex rel. State Engineer v. John Abbott et al.; Rio Santa Cruz/Rio Truchas	City of Española	U.S. District Court, NM District	Geology, Hydrology
2015-2016	NMOSE Hearing No. 15-049	City of Ruidoso Downs	NMOSE	Geology, Hydrology
2015-2017	NMOSE Hearing No. 15-004	Bonds Ranch	NMOSE	Geology, Hydrology
2014-2016	NMOSE Hearing No. 99-003	Zuni Tribe, Western Refining Southwest, Inc.	NMOSE	Geology, Hydrology
2017-2018	NMOSE Hearing No. 17-002	City of Las Vegas	NMOSE	Geology, Hydrology
2018	NMOSE Hearing No. 15-025	James E. Galaway I, L.P.	NMOSE	Geology, Hydrology
2017-present	NMOSE Hearing No. 17-001	Robert Quintana	NMOSE	Geology, Hydrology
2018-Present	Dennis M. Lucero and Annette M. Lucero; Joseph A Goetsch and Patti K. Goetsch; The Cherry Valley Ranch, LP, d/b/a The Marsh Ranch; Brad Christmas; Christmas Acquisitions, LLC; Christmas Ranches, Inc.; and Real Wagon Mound Ranch, LLC vs. Robert M. Quintana; Phoenix Ranch, LLC; and Farm Credit of New Mexico, FLCA	Robert Quintana/Phoenix Ranch, LLC	NM District Court, 4 th Judicial District	Geology, Hydrology
2017-2019	NMOSE Hearing Nos. 17-015 & 17-016	Pueblo of Sandia	NMOSE	Geology, Hydrology, Water Rights
2018-Present	NMOSE Hearing No. 18-006	Pueblo of Sandia	NMOSE	Geology, Hydrology, Water Rights
2018-Present	NMOSE Hearing Nos. 18-007, 18-009, 18-011, 18-012, 18-043, 18-044, 18-045, 18-046	New Mexico Interstate Stream Commission	NMOSE	Hydrology, Water Rights

