

Roger Peery, CPG, PG

CEO/Principal Hydrogeologist

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Roger Peery has more than 27 years of experience, and is the CEO and a Principal Hydrogeologist at JSAL.

Water-Resource Development: Hydrogeologic characterization, well siting studies, development of strategies to maximize conjunctive use of surface and groundwater resources, strategies for wastewater reuse projects, evaluation of groundwater in storage for new subdivisions, and 40-Year Water Development Plans for municipalities, regions, and counties.

Aquifer Storage and Recovery (ASR): Hydrogeologic studies, evaluation of hydraulic effects during injection and recovery, and development of strategies to maximize quantity and quality of water stored and recovered.

Permitting: Assisted clients with various permit applications submitted to the New Mexico Office of the State Engineer (NMOSE) for new or replacement wells, proof of beneficial use, proof of completion of well, and monitoring and exploratory wells. Assisted clients with the permitting process related to development of water resources on Federal lands.

Water-Supply Well Projects: Developed detailed well drilling specifications (as technical support for Project Engineer) for more than 90 large-capacity water-supply well projects, and hundreds of small-capacity wells (diameters of 6-in. or less). Wells completed in unconfined aquifers had casing diameters as great as 20 in. completed to depths exceeding 3,000 ft. Wells completed in artesian aquifers had casing diameters of up to 16-in. and well depths exceeding 1,700 ft. Well drilling specifications included wells completed using casing-path methods, multiple casing strings, and liners. Developed pumping test procedures including long-term tests with multiple pumping wells and observation wells; and interpretation of data.

Geophysical Log Interpretation: Interpretation of geophysical logs from boreholes drilled through unconsolidated sediments, sedimentary rocks, and volcanic rocks.

Brine Injection Wells: Managed projects for wells that are used as injection wells and are completed to depths of over 4,000 ft. The injection wells are used to inject the concentrate from reverse-osmosis treatment plants used to treat water for municipal supplies.

Groundwater Monitoring: Directly involved with the completion and sampling of hundreds of groundwater monitoring wells including nested piezometers completed hundreds of feet deep with up to three casing strings in one borehole. Projects included mines, landfills, fuel service stations, refineries, municipalities, and other industries.

Expert Testimony: Mr. Peery has provided sworn expert witness testimony before the Nuclear Regulatory Commission-Atomic Safety and Licensing Board, New Mexico 2nd Judicial Court, and at various State of New Mexico administrative hearings including Office of the State Engineer, Oil Conservation Division, and Environment Department.

EDUCATION

M.S., Water Resources, 1992
University of New Mexico
Albuquerque, New Mexico

B.S., Geology, 1987
University of New Mexico
Albuquerque, New Mexico

REGISTRATIONS

Professional Geoscientist,
Texas, No. 2222

American Institute of Professional
Geologists, CPG-9808

State of Wyoming Professional
Geologist, PG-2363

State of New Mexico Regulation
and Licensing Department
Construction Industries Division,
GS29 No. CQ064612

AFFILIATIONS

Association of Ground Water
Scientists and Engineers

National Ground Water
Association

American Water Resource
Association, New Mexico Section,
President 1998

TECHNICAL COMMITTEES

National Ground Water
Association, Water Well
Construction Standards 2011-2013
