JOE V. MEIGS, P.G.

640 PLAZA DRIVE, SUITE 170 HIGHLANDS RANCH, COLORADO 80129

(303) 350-4090

POSITION

Senior Project Manager, Lytle Water Solutions^{LLC}

EDUCATION

B.A., Geology, Hartwick College, Oneonta, New York, 1973

Graduate work in Hydrogeology, Colorado School of Mines, Golden, Colorado, 1985 to 1988

PROFESSIONAL REGISTRATION

Registered Professional Geologist in:

Alabama #860

Wyoming #3153

PROFESSIONAL MEMBERSHIP

American Institute of Professional Geologists

Colorado Ground–Water Association:
- Vice President 2003 to 2004
- President 2004 to 2005
- Past President 2005 to 2006

Colorado Water Well Contractors Association:
- Technical Director 2003 to Present
- Legislative Committee Chairman 2004 to Present
- Technical Working Group 2006 to Present
- Water Well Construction Rules Committee 2007 to Present
- 2005 Member of the Year

National Ground Water Association

PROFESSIONAL EXPERIENCE

- Lytle Water Solutions, LLC, Highlands Ranch, Colorado: May 2011 to Present.
- HALCYON Consulting Group, LLC, Wheat Ridge, Colorado: April 2010 to April 2011.
- Martin and Wood Water Consultants, Inc., Golden, Colorado: March 2008 to March 2010.
- HENKLE Drilling & Supply Co., Inc. Ft. Lupton, Colorado: January 2003 to February 2008.
- HALCYON Consulting Group, LLC, Wheat Ridge, Colorado: April 1994 to December 2002.
- EMCON Associates, Inc., Golden, Colorado: March 1993 to March 1994.
- EMCON Associates, Inc., San Jose, California: July 1989 to February 1993.
- Halepaska and Associates, Inc., Englewood, Colorado: July 1985 to June 1989.
- Continental Mineral Corporation, Westminster, Colorado: November 1982 to May 1985.
- AMAX Exploration, Inc., Golden, Colorado: June 1974 to October 1982.

PROJECT EXPERIENCE

Mr. Meigs has more than thirty five years of responsibility and accomplishment in the environmental, water resources and ground water engineering fields, and previous experience in the mining industry, exploring for both mineral and geothermal resources. He has substantial experience in environmental consulting, focusing on the investigation and remediation of industrial, solid and hazardous waste problem sites. He has expertise in conducting and overseeing field work to characterize soil and ground water contamination, collecting, evaluating, and reporting data results, and completing further studies to facilitate site remediation. Mr. Meigs has demonstrated organizational skill in planning, implementing, and leading soil and ground water investigations, tracking details, and setting priorities to meet deadlines and remain within budget. He has proven management skills - directing personnel, budgeting and scheduling, developing scopes of work and cost estimates, and preparing proposals, work plans, and technical reports. Mr. Meigs has excellent communication skills, establishing effective relationships with clients, regulatory agencies, personnel, and management at all levels. He has experience in strategic business planning, business and client development, including the marketing of consulting services.

Mr. Meigs has been involved with the varied engineering and hydrogeologic aspects of ground water, water supply and development. He has conducted ground water investigations/evaluations and monitoring programs, planned ground water exploration and test drilling programs, designed and supervised the drilling, installation and development of water supply and monitoring well systems. Mr. Meigs has conducted pump tests and analyzed data to evaluate aquifer characteristics and water quality in both alluvial and bedrock aquifers and has been involved with water supply analyses evaluating several water supply source options.

PROJECT EXPERIENCE *(Continued)*

Mr. Meigs experience includes providing hydrogeologic expertise on work relating to water resource management and development, shallow and deep water well design, well feasibility, well rehabilitation, well permitting, augmentation and substitute water supply plans.

His experience included responding to client requests for bid proposals for drilling and constructing deep, large-diameter, municipal water wells. He provided project scoping, well project planning, and cost estimates for water well drilling projects, discussed well design specifications, considerations, and alternatives with clients, including well development techniques and well testing methods. He is experienced in the interpretation of borehole geophysical logs, analysis of well test data, and determination of aquifer characteristics. Mr. Meigs participated in the discussion and planning for hydrofracturing water wells, the design and operation of aquifer storage and recovery (ASR) wells, and water well rehabilitation.

Mr. Meigs also provided consulting and subcontracting services specializing in geological and hydrogeological investigations, water supply and development, and environmental assessments, including project management.

Mr. Meigs was responsible for the planning, coordination and administration of geoscience activities. He provided geological and hydrogeological expertise over a broad variety of projects, monitored project budgets, compiled and analyzed data, and wrote final reports including the preparation of proposals, cost estimates, work plans, and invoices. He worked closely with regulatory agencies to ensure compliance with agency requirements and guidelines, and communicated and maintained effective relationships with clients.

He directed the activities of project teams ensuring that schedules and budgets were met and project goals were achieved in a cost-effective manner. In that capacity, he was involved in site investigations addressing both soil and ground water contamination, feasibility studies, remedial action plans, and aquifer remediation at retail gasoline service stations, bulk terminals, and industrial facilities. Mr. Meigs also served as project manager/hydrogeologist on numerous remedial site investigations and acted as a liaison between clients and regulatory agencies.

Mr. Meigs managed a group of scientists and engineers dedicated to characterizing and remediating petroleum-hydrocarbon-related problems at more than 60 service stations. Tasks included completing site investigations, preparing remedial action plans and remediating the petroleum hydrocarbon-impacted sites utilizing an integrated team approach.

PROJECT EXPERIENCE *(Continued)*

Mr. Meigs' experience included the varied engineering and hydrogeologic aspects of ground water, water supply and development. Work included water supply analysis studies involving the evaluation of several water supply source options, including both ground water and surface water rights for water districts, a feasibility study to evaluate recharging Denver Basin aquifers through deep-well injection for the storage and subsequent recovery of drinking water supplies, supervising the construction of municipal water supply wells for several Colorado water districts, the test drilling of an alluvial valley to evaluate the potential for a high yield municipal production well, and conducting baseline hydrologic, mine dewatering, and water resource studies, including setting up a surface water monitoring system for estimating in-stream flows and evaluating surface water quality.

In the mining industry, Mr. Meigs was responsible for instituting generative exploration programs and managing exploration activities for specialty and strategic minerals. He conducted extensive commodity analyses and compiled mineral occurrence databases. Mr. Meigs conducted geologic research in frontier oil and gas provinces, and guided company leasing activities. He provided consulting services specializing in geologic reconnaissance and prospect evaluation, including geologic mapping and geochemical sampling.

Mr. Meigs managed exploration activities for molybdenum, base, and precious metals throughout the western United States and Alaska. He is experienced in geologic mapping, geochemical and geophysical survey techniques and methods for the investigation and evaluation of terrains for mineral deposits.