



## **EMPLOYMENT OPPORTUNITY: Staff Hydrogeologist (Field)**

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### **Location: Tucson, Arizona**

Apply on our website: <https://elmontgomery.com/careers/>

### **Overview**

Montgomery & Associates (M&A) is seeking a full-time Hydrogeologist to join our growing team at our Tucson, Arizona, headquarters. Most work will occur in Arizona, with occasional field assignments in southern California or Nevada. This position offers a mix of field and office work, focusing on projects involving water well drilling, lithologic logging, well construction, sampling, and testing.

We encourage you to apply if you have 1–5 years of experience, a degree in geology, hydrology, or a related field, and an interest or background in well drilling, construction, and testing methods. We're looking for a self-motivated professional with strong time management, organizational, and communication skills. Duties will vary from day to day and week to week, with an expected average of 65% fieldwork and 35% office work. M&A provides comprehensive training for both field and office tasks. Some assignments may be in remote areas or other western states.

### **Fieldwork Duties**

- Observe and document drilling operations, which includes preparing and describing drill cutting samples in both basin-fill and hard rock geologic settings, characterizing hydrogeologic conditions and contacts, and reviewing and interpreting borehole geophysical logs
- Observe and document monitor well and production well installation and development, including inspection of materials, verification of compliance with technical specifications, and direction of drilling contractor
- Support well development, rehabilitation, and pump installation procedures
- Measure water levels and download dataloggers
- Install, configure, or modify instrumentation and telemetry systems related to groundwater and surface water monitoring
- Conduct pumping, slug, infiltration, and other types of field tests with instruction
- Collect and document water and soil samples and measure water quality parameters

- Follow applicable health and safety protocols, regulations, policies, and procedures
- Maintain detailed field notes and communicate daily activities to project managers and clients

### **Office Duties**

- Develop scopes of work, sampling and analysis plans, drilling program technical specifications, and health and safety plans
- Prepare lithologic logs
- Prepare water and soil sample documentation and submit samples to laboratories
- Use spreadsheets and graphing software to create data tables and plots to analyze field data
- Process and analyze pumping test data to determine hydraulic parameters and estimate production capacity
- Manage, configure, and modify instrumentation remotely and integrate data to in-house data management systems
- Prepare data summaries, presentations, and technical reports/memos
- Participate in client meetings/teleconferences to present program results and recommendations

### **Qualifications**

- 1-5 years of experience overseeing water well drilling, construction, development, and testing; experience with different drilling methods and their application
- Willingness to learn well design fundamentals including well construction materials and applications, sizing of filter pack material and/or formation stabilizer, types of well screen and applications, and Arizona well construction standards
- Interest in developing technical specifications for the drilling, construction, and testing of water wells
- Undergraduate degree in hydrology, geology, engineering, or related field; graduate degree preferred
- Ability and willingness to travel to out-of-town and potentially out-of-state field locations
- Ability to occasionally work long shifts (up to 14 hours per day) with potential night shifts; field tours can range from 1 day to 2 weeks

- Ability to lift 50 pounds and perform the following actions: standing for long periods of time, stooping/kneeling/crouching, and walking/hiking on uneven terrain
- Experience with electrical and electronic test instruments and hand and power tools.
- Strong organizational, troubleshooting, and problem-solving skills
- Proficiency with Microsoft Office Suite
- Excellent verbal and written communication skills; positive and enthusiastic attitude
- Possession of a reliable vehicle and valid U.S. driver's license with clean driving record
- Ability to legally work in the U.S.; must pass background check and drug test if requested

## **Mission**

At M&A, our mission is to promote a fulfilling and respectful work culture where employees collaborate to deliver pragmatic water resource solutions grounded in the principles of integrity, scientific rigor, and environmental responsibility. We are independently owned by practicing scientists who are committed to these values and to supporting our community partners.

## **Benefits**

- Competitive benefits and salary in an expanding team-oriented company
- Dynamic work environment with safety and technical training provided by the company
- Challenging and collaborative multidisciplinary projects
- On-the-job mentoring by senior professionals
- Western U.S. projects and travel opportunities
- Medical, dental, vision insurance, Flexible Spending Account, HRA
- Long- and short-term disability
- Life/AD&D insurance
- Vacation, holiday, personal, and sick leave
- Paid parental leave
- Employer matching 401k retirement plan



**We are an Equal Opportunity Employer.**

M&A values diversity and inclusivity. All qualified applicants will receive consideration for employment without regard to race, color, national origin, ancestry, sex, gender, gender identity, gender expression, age, sexual orientation, religious creed, physical or mental disability, medical condition, genetic information, marital status, veteran status, or any other classification protected by applicable federal, state, or local law.