

Sherry Fritz
Staff Hydrogeologist, Level II
sfritz@shomaker.com

Ms. Fritz has over 20 years of geologic experience and is a Staff Hydrogeologist at JSAI. Her experience and interest lie in field data acquisition.

Geophysical Log Interpretation: Ms. Fritz has extensive experience in the water well, mineral, and exploratory areas of geophysical log interpretation both as a logger and at JSAI. She has worked with electric, acoustic, physical, and video methods.

Region-Wide Water Surveys: Ms. Fritz has been involved in projects where she collected water-resource information over a large region, such as a county or administrative basin. These projects involved locating wells or water features, documenting the location, measuring water levels and field water quality data. She has also measured flows at springs and creeks and collected field water quality data.

Environmental Sampling: and Well: Ms. Fritz has performed many sampling events at sites associated with leaking underground petroleum storage tanks. She has taken water levels, performed field water quality measurements, collected samples for laboratory analysis, and compiled results into report form. She has also been involved in an emergency cleanup of a large diesel spill and the subsequent remediation. She has overseen the installation of numerous monitoring wells on these types of projects including the drilling, completion, and development of wells.

Construction Oversight During Well Drilling, Completion, and Rehabilitation: Ms. Fritz has overseen well drilling projects from small domestic wells to large-capacity multiple-well projects. The work has involved all aspects from siting the well in the field, overseeing activities during the drilling process to ensure contractor compliance with specifications or standards, overseeing installation of the well construction materials, and developing the completed well. The wells ranged in diameter from 4 to 16 inches and depths ranged from a few hundred to over 2,000 feet. Ms. Fritz has also provided oversight on a number of well rehabilitation projects to improve production using chemical and physical methods.

Pumping Testing: Ms. Fritz has performed pumping tests on a variety of wells from domestic wells producing wells less than 10 gpm to large capacity wells producing over 1,500 gpm. She has performed step-drawdown pumping tests and constant-rate pumping where she maintained the pumping rate at the wells and collected all pumping and recovery data. She performed a 73-day constant rate pumping test that included maintaining the pumping rate at 10 large-capacity wells and collecting water level data from over 30 observation wells. She also performed an 18 day pumping test that included pumping two large-capacity wells and collecting data from six observation wells. Ms. Fritz is familiar with electronic data recording instrumentation in addition to physical methods using steel tapes and electric sounders.

EDUCATION

B.S. Geological Engineering, 1993
Montana College of Mineral Science
and Technology
Butte, Montana

CERTIFICATIONS

MSHA
OSHA HAZWOPER

AFFILIATIONS

American Water Resources Association
(AWRA)

National Ground Water Association
(NGWA)
