



Tye Lasich, Project Engineer

EXPERTISE

Explosives engineering, vibration monitoring and control, site characterization, rock mechanics testing

EMPLOYMENT HISTORY

- 2006-present Project Engineer, Aimone-Martin Associates, LLC, Socorro, NM**
Conduct pre-construction and post blasting structure surveys, field monitoring of blasting and construction vibrations and specialized structure response measurements. Responsible for geotechnical evaluations and site characterization of rock blasting operations; development of instrumentation
- 2005-2006 Part-time Field Engineer, Aimone-Martin Associates, LLC, Socorro, NM**
Vibration monitoring, instrumentation and analysis for coal mine, quarry and construction projects; structure response studies; research projects involving analysis of impacts of blasting on highwall stability and fragmentation analysis
- 2004-2006 Research Assistant, New Mexico Institute of Mining and Technology, Socorro, NM**
Conduct applied research studies in blast design, fragmentation and back break control, conducted coal mine blasting optimization study at P&M McKinley Mine, NM; research in airblast effects
- 2005 Blasting Field Technician, Industrial Alchemy Inc., Cheyenne, WY**
Field instrumentation measurements and analysis for an NSF-funding research project to minimize NOx formation during coal mine cast blasting operations; measurements included detonation pressures, fragmentation, back break, explosives shock densification, and velocity of detonation correlated with highwall vibrations
- 2004 Geology Technician, East Boulder Mine, Stillwater Mining Co., Big Timber, MT**
Grade control, marked faces and back for driving drifts and panel blasting. Collected samples for grade control, panel drilling quality control inspections, and loaded holes with blasters
- 2003 Field Technician, Watershed Consulting, LLC, Whitefish, MT**
Trained in field stream assessments involving sediment source identification, measuring stream geometry, bed load, identifying riparian vegetation, stream biology, and determining methods to improve the stream condition if any possible
- 2002 Drill Helper, Dynatek Drilling Inc., Salt Lake City, UT**
Trained in mixing drilling fluids. Maintained mud tank and pumps. Pulled and emptied core tubes. Maintained tubes and changed parts out as needed. Performed site inspections daily and safety evaluations were required.

EDUCATION

- 2006 M.S. in Mineral Engineering Specialization in Explosive Engineering, New Mexico Institute of Mining and Technology, Socorro, NM. Research: Blast Design, Fragmentation and Back Break control
- 2004 B.S. in Geological Engineering Specializing in Landslides and Slope Stability, Montana Tech of the University of Montana, Butte, MT

PROFESSIONAL MEMBERSHIPS

International Society of Explosives Engineers
Rio Grande Chapter of ISEE
Geological Society of America