

SCOTT G. GILTNER

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Louisville, KY ██████████

EDUCATION

University of the Witwatersrand
Ph.D MINING ENGINEERING - June 1993

University of Missouri-Rolla
(Missouri School of Mines & Metallurgy)
MS MINING ENGINEERING - May 1986

University of Missouri-Rolla
(Missouri School of Mines & Metallurgy)
BS MINING ENGINEERING - May 1984

Project Management Professional (**PMP**)
PMP Number: 236702

PROFESSIONAL EXPERIENCE

DYNOCONSULT - DYNO NOBEL INC., (Salt Lake City, UT)

1996 – 2016

Senior Project Engineer

Fulfilled the technical needs of key customers, including Peabody Coal, Lafarge Corporation, Kennecott, Martin Marietta, Cliffs Resources, and Barrick. Later transferred to become a founding member of DynoConsult in North America working in coal and metal (gold, iron, copper) mines and stone quarries. General duties included technical training of distributor personnel, key technical contact for two Dyno Nobel Distributors, and supervision and operation of the technical services van. Project Engineer assignments included:

- ◆ audit of customer operations to determine areas for potential improvement.
- ◆ development and execution of programs to optimize explosives costs with downstream equipment operation costs.
- ◆ presentation of project proposals and results to customer senior management.

ECONEX INCORPORATED (A DYNO NOBEL SUBSIDIARY), (Pittsfield, IL)

1995 – 1996

Technical Sales Representative

Provided direct sales and technical support for the explosives marketing organization. Made calls on major explosives consumers in quarrying and construction for the purpose of soliciting sales and providing technical product information and technical product application advice.

SELF-EMPLOYED, (Rolla, MO)

1994 – 1995

Consultant

Consulting projects included:

- ◆ Surface coal mine blasting study designed to quantify the effects of different blast designs and explosives on the individual contributions of the blast, dozers, and dragline in removal of overburden to the final spoil position.
- ◆ Seismic monitoring at a limestone quarry. The project was to design protective measures for application to the various quarry benches during the construction of a lime kiln within the quarry.
- ◆ Compilation of workshop material for a course offered in South America on blasting in underground metal mines.
- ◆ Sensitivity testing of explosive components.
- ◆ Revision of training manual for U.S. Army Engineers Training School.

UNIVERSITY OF MISSOURI-ROLLA, (Rolla, MO)

1992 – 1994

Program Engineer, Rock Mechanics and Explosives Research Center

Served as program engineer on Navy and DOE funded research contracts. Responsibilities included the supervision of project team, determination of test parameters, analysis of results, compilation of final reports. Also presented lectures for undergraduate and graduate level mining courses. These courses include Min 224 (Underground Mining of Metallic and Industrial Minerals) and Min 406 (Scientific Instrumentation for Explosives Testing and Blasting). Various projects included:

- ◆ Determination of sensitivity of explosives to water jet impact
- ◆ Seismic study of demolition training sites
- ◆ Geotechnical analysis of rock support techniques employed at the Waste Isolation Pilot Plant (WIPP) at Carlsbad, New Mexico.

CHAMBER OF MINES OF SOUTH AFRICA, (Johannesburg, South Africa)

1986 – 1992

Research Engineer/Project Leader (Stoping Technology Laboratory)

Served as project leader for blasting/explosives projects with an annual budget of over R1.5 million. Directed liaisons with collaborators, supervised test sites, determined test standards and procedures, analyzed and interpreted results. Presented findings in local and international forums. Transferred in 1991 to Special Projects Division of the Chamber of Mines. Various projects included:

- ◆ Testing and evaluation of prototype electronic initiation systems developed by various concerns in surface and underground environments.
- ◆ Determination of effects of various millisecond delays on narrow reef gold stoping and means to apply millisecond initiation to narrow stopes to optimize production and reduce overall stoping costs.
- ◆ Development and testing of conical shaped charges for rockbreaking in narrow gold stopes.
- ◆ Development of explosive techniques to precondition areas susceptible to high ground stresses and seismic activity.

PEABODY COAL COMPANY, (Lynnville, IN)

1985

Performed research for Master's Degree as part of a cooperative program with Peabody to determine how the geology and blast design affect the economic use of blast casting.

- ◆ Coordinated, perform site selection, and set up equipment necessary for high speed video filming of blast casting. Worked closely with the drilling and blasting department. Technical experience in the operation and maintenance of a \$125,000 Spin Physics Motion Analysis System

UNIVERSITY OF MISSOURI-ROLLA, (Rolla, MO)

1984 – 1986

Graduate Teaching Assistant/Research Assistant

Labs supervised include Drilling & Blasting (Mining 308), Mine Atmosphere Control (Mining 218), and Surveying for Mineral Engineers (Mining 110). Provided research support to the operation and maintenance of a high pressure water jet system used to cut 160 tons of granite for a University project, Navy funded research contract utilizing high speed water jets, and the operation of a Cordin high speed camera taking 200,000 frames/sec handling of specialist and plastic bonded military explosives.

GENEALOGICAL AND HISTORICAL SOCIETY MEMBERSHIPS

National Society, Sons of the American Revolution

2008 - Present

Member of the Gov. Isaac Shelby Chapter of the Kentucky Society. Currently serving as chapter president. Past offices held include Treasurer, and Vice-President. Also serving on the National Society Service to Veterans Committee.

Kentucky Historical Society

2006 - Present

First Families of Kentucky

2010 - Present

First Settlers of the Shenandoah Valley (Charter Member)

2010 - Present

Fredonia Valley Heritage Society, Caldwell County, KY

2009 - Present

Livingston County Historical Society, Livingston County, KY

2009 - Present