



MARCUS A. WILEY, P.E.
General Manager, Mining Engineer

SUMMARY OF QUALIFICATIONS

A registered professional engineer, with 38 years of experience, in mine engineering and management. Prior to starting the consulting firm worked for second largest coal company in mine exploration, planning, permitting, supervision and construction for operations located in four major coal fields in the United States.

EMPLOYMENT HIGHLIGHTS

- Underground Drilling and Blasting
- Engineer, Production Foreman, Shop and Field Maintenance Foreman, Mine Superintendent
- Exploration / Geologic Mapping
- Mine Planning
- Mine Economics
- Equipment Selection
- Permitting
- Financing and Marketing
- Litigation Support
- Property Development
- Project Management
- EPC contracting

PROFESSIONAL ACCOMPLISHMENTS

SUPERVISED a regional engineering staff including exploration and development engineering. MANAGED project and overall supervision for exploration, permitting, engineering, construction, litigation, public relations and operations of new mine on Navajo Indian Reservation. PRESIDENT of privately owned surface mining company with a reputation for its excellent reclamation and engineering expertise. PROFESSIONAL ENGINEER, current - Colorado, retired - New Mexico and Oklahoma. Surface Mine Supervisor, State of Oklahoma Mining Board. MEMBER National Society of Professional Engineers, Colorado Society of Professional Engineers (past member Oklahoma), Society for Mining, Metallurgy, and Exploration, Inc., Colorado Mining Association, Denver Coal Club (President 1993) and the National Mining Hall of Fame and Museum. PRESIDENT of coal company developing new surface/underground mine. CONSULTANT providing professional services to the mineral industry for over 20 years.

EMPLOYMENT HISTORY

Manager - Wiley Consulting, LLC,	2001 to present
President - Mid-America Mining and Development, Inc.,	1989 – 2001
President - Wiley Engineering, Inc.,	1981 – 2001
President - Ranchers Coal, Inc.,	1982 – 1986
Mine Foreman, Maintenance Superintendent, Mining Engineer, Project Manager/Mine Superintendent - Consolidation Coal Co.,	1971 – 1981
Underground Miner, Climax Molybdenum,	Summer 1970

EDUCATIONAL BACKGROUND

PhD Mining Engineering - Colorado School of Mines, in progress.
B.S. Mining Engineering - New Mexico Institute of Mining & Technology, 1972
Economic Evaluation & Investment Decision Methods - Colorado School of Mines, 1977, 1990
Drilling and Blasting Technology Seminar - Reed Tool Company, 1976