



# Michael G. McClure

## **Current Position**

Principal Geologist

## **Profession**

Geology

## **Years' Experience**

46

## **Education**

MS - Geology,  
University of Kentucky,  
Lexington, KY (1990)

BS - Geology, Brigham  
Young University,  
Provo, UT (1977)

## **Professional Registrations**

CPG – AIPG (No. 8196)

PG - KY, VA

MSHA Annual  
Retraining  
(surface & underground  
coal mining)

## **Affiliations**

American Association of  
Petroleum Geologists  
(AAPG)

American Institute of  
Professional Geologists  
(AIPG)

## **Summary of Experience**

Mr. McClure conducts geologic evaluations for the mining and coalbed methane (CBM) industries where he incorporates borehole and rock mechanics data, underground mapping, and geophysical data into the reporting process. He also directs the company's CBM laboratory for mining-related and exploration projects conducted in Alabama, Tennessee, Virginia, West Virginia, Kentucky, Ohio, Oklahoma, Pennsylvania, Illinois, and Wyoming.

## **Significant Projects**

- > Analyzed surface and underground mining and coalbed methane resources in major basins of the USA, and internationally within selected areas of Australia, Mexico, Venezuela, Canada, Chile, Czech Republic, China, Colombia, Great Britain, and Turkey.
- > Provided geologic support for mining safety and accident investigations in Kentucky and West Virginia

## **Specific Projects**

- > **Virginia, USA:** Coordination of geological operations for 100 coalbed methane wells that included quality control, geophysical log interpretation, coalbed methane desorption testing, mapping, and analysis of coalbed methane potential for coal beds in the Central Appalachian Basin of Virginia.
- > **Tennessee and Virginia, USA:** Coordination of the geologic component of small-scale pilot program for injection of CO<sub>2</sub> into Shale gas and CBM wells in order to enhance gas recovery and sequester CO<sub>2</sub>.
- > **Pennsylvania, USA:** Coordination of drilling, geologic mapping, coal quality testing, and reserve report preparation for multiple geologically complex properties in the Anthracite coal fields.
- > **Shanxi Province, People's Republic of China:** Coordination of geologic evaluation of deep-mineable coal reserves and development of coalbed methane resources within a coal mining leasehold which has subsequently opened as a large longwall mining operation.
- > **Northern Colombia:** Conduct an evaluation of geologic conditions for an underground coal property, designed to supply a proposed coal-fired power plant.
- > **Southern Chile:** Conduct evaluation of geologic conditions for a financial institution on an undeveloped coal reserve property, which was subsequently opened as a surface mining operation.
- > **West Virginia, USA:** Participation in research to collect, identify and quantify Rare Earth Elements (REE) from an active underground coal mine.
- > **Turkey:** Conduct audit of geologic conditions for limestone and metallic ore deposits.
- > **Arkansas and Oklahoma, USA:** Coordination of exploration and geologic evaluation for a proposed longwall mining operation.

## **Recognitions**

- > Graduate Fellowship Award, Federal Office of Surface Mining and the University of Kentucky, 1985–1986.
- > Sigma Gamma Epsilon, while pursuing undergraduate studies at Brigham Young University.

## **Memberships**

- > Tazewell County Virginia Economic Development Commission, Member of ad hoc committee to study feasibility of making natural gas available for industrial usage, 1992.
- > West Virginia Coalbed Methane Group – Member of ad hoc committee representing Coal and Oil & Gas Industry to draft legislation governing the development of coalbed methane within the state, 1993.