COAL-ASSOCIATED GAS RESOURCES AND THE COAL MINING LIFE CYCLE

Coal Mining Life Cycle

Mine Planning

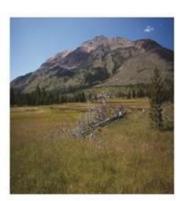
Undeveloped Coal Reserves

Active Mining

Developed Coal Reserves

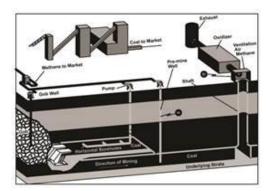
Mine Closed

Depleted Coal Reserves



Gas Resources Evaluated and Production Plan Adopted

Exploration



Gas Produced and Sold During Mining

Pre-mine and Gob Drainage



Enhanced CH₄ Recovery and CO₂ Sequestration

Post-mining Gas Production

Gas Production Life Cycle

Pilcher, 2013

