Selected Bibliography of Appalachian Coalbed Methane

Paul C. Lyons¹ and Robert T. Ryder¹

Open-File Report 95-572

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

¹ U.S. Geological Survey, Reston, Virginia 22092
Introduction

This selected bibliography of Appalachian coalbed methane was developed under the Energy Program of the U. S. Geological Survey. It is intended to assist local, state, and governmental officials, private organizations, and the public-at-large in their planning for the exploration and development of Appalachian coalbed gas, an unconventional source of natural gas. The bibliography includes information on coalbed gas production, economic potential of coalbed gas, coal resources, thermal history, geologic framework, coal chemistry, coal-mine methane control and ventilation, coal experimental work, and also legal constraints affecting the development of coalbed methane. The bibliography focuses on the states of Pennsylvania, West Virginia, Kentucky, Maryland, Virginia and Ohio, but also includes information on other Appalachian states as well. In most of these states, there is very limited to moderate Appalachian coalbed gas production. It is probable that national coalbed gas production will become an increasingly important energy resource well into the next century, which will reduce our dependence upon environmentally sensitive fossil fuels such as coal, conventional oil and gas sources, and on foreign petroleum.
Selected Bibliography


degasification with surface ventilation boreholes above the Lower
Kittanning coal bed: U.S. Bureau of Mines Report of Investigations 8195,
13 p.

Mutchler, N.E., and Sachse, H.R., 1981, Legal aspects of coalbed gas:

Nickelsen, R.O., and Hough, V.D., 1967, Regional orientation of joints in
69, p. 1624.

Nickelsen, R.O., and Hough, V.D., 1967, Jointing in the Appalachian
Plateau of Pennsylvania: Geological Society of America, v. 78, p. 609-
630.

Nolde, J.E., 1994, Coal beds, coal zones, and key stratigraphic names in the
Pennsylvania of Southwestern Virginia: Virginia Division of Minerals
Resources, Publication 136, chart with text.

Commonwealth of Virginia, Division of Mineral Resources, Department

Northeast Oil and Gas World, 1993, Belden & Blake buys coalbed methane
project: Northeast Oil and Gas World, v. 13, no. 9, p. 5.

O’Hara, K., Hower, J.C., and Rimmer, S.M., 1990, Constraints on the
emplacement and uplift history of the Pine Mountain thrust sheet, eastern
1, p. 43-51.

Oldham, A.V., Repine, T. E., Blake, B.M., and Timberlake, K.J., 1993,
Coal-bed methane resources and subsurface definition of the Middle
Pennsylvanian Allegheny Formation in northern West Virginia [abs.]:

Geological aspects of coalbed methane occurrence in the Northern
Appalachian Coal Basin: GRI Contract 5091-214-2261 (April, 1992-


Steele, D.J., 1990, Coalbed methane technology development in the Appalachian basin: Quarterly Review of Methane from Coal Seams Technology, v. 7, no. 4, p. 23-?.


