

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bibliography of U.S. Geological Survey Reports on Coal Drilling
and Geophysical Logging Projects, and Related Reports on
Geologic Uses, Powder River Basin,
Montana and Wyoming, 1973-1983

By

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Open-File Report 84-518

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

¹USGS, Denver, Colo.

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INTRODUCTION

This bibliography includes U.S. Geological Survey reports on coal drilling and geophysical logging projects, and related reports on geologic uses, in the Powder River Basin of Montana and Wyoming (fig. 1). Reports on chemical analyses of Powder River Basin coals, coal quality, methane studies, and geotechnical studies are also included, as are EMRIA (Energy Mineral Rehabilitation Inventory and Analysis) reports on resource and potential reclamation of selected study areas in Montana and Wyoming. EMRIA is a cooperative project of the Bureau of Land Management, Bureau of Reclamation, and the U.S. Geological Survey.

A subject-geographic list is also provided.

Copies of geophysical logs for which formal reports were not published are available for purchase from the following:

Rocky Mountain Well Log Service
1435 Fox Street
Denver, CO 80204

Records Assistance Section
Division of Mineral Resources
Bureau of Land Management
Montana State Office
P.O. Box 36800
Billings, MT 59107

Information regarding these geophysical logs can be found in the subject-geographic list under the heading "Unpublished Data."

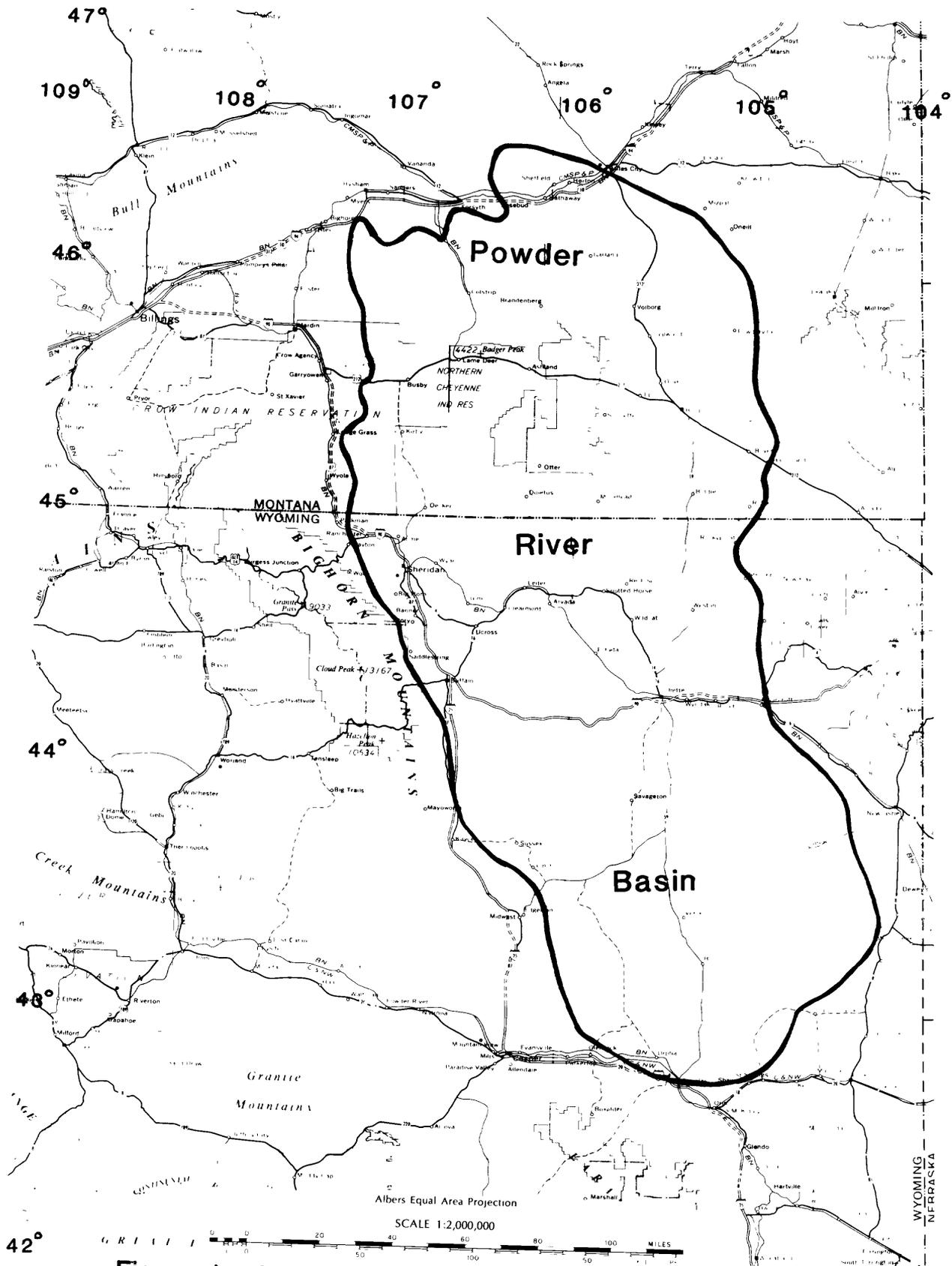


Figure 1.—Location map of the Powder River Basin

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Custer County

- Analytical data: U.S. Geological Survey and Montana Bureau of Mines and
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Geology, 1976

Powder River Basin

- Analytical data: Matson and Blumer, 1973
- Drill-hole data: Schneider, 1979
- Geophysical logs: Flores, Toth, and Moore, 1982
- Geotechnical
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- Methane studies: Choate and Johnson, 1980

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MONTANA--Continued

Powder River County--Continued

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WYOMING

Campbell County

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WYOMING--Continued

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Kistner, Donatich, and Hollomon, 1980
Lonnie, Corley, and Noah, 1980
U.S. Geological Survey and Montana Bureau of Mines and
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Johnson County

- Analytical data: Hatch, Affolter, and Farrow, 1978
- Drill-hole data: Culbertson, 1982
- Geophysical logs: Culbertson, 1982

Powder River Basin

- Analytical data: Hobbs, Cathcart, and Correia, 1983
- Drill-hole data: Schneider, 1979
- Geophysical logs: Flores, Toth, and Moore, 1982
- Geotechnical
properties: Bressler and Elston, 1981
- Methane studies: Choate and Johnson, 1980

Sheridan County

- Analytical data: U.S. Geological Survey and Montana Bureau of Mines and
Geology, 1973, 1976 (two reports)
- Drill-hole data: Babcock and Hobbs, 1979
Correia, 1980
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Geology, 1973, 1976 (two reports), 1977

WYOMING--Continued

Sheridan County--Continued

Geophysical logs: Cathcart and Roberts, 1982

Correia, 1980

U.S. Geological Survey and Montana Bureau of Mines and
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Geotechnical
properties:

Farrow, 1980

UNPUBLISHED DATA

MONTANA

Big Horn County

Rocky Mountain Well Log Service, List #375B, #383A

Bureau of Land Management

Custer County

Rocky Mountain Well Log Service, List #383A

Powder River County

Rocky Mountain Well Log Service, List #383A

Rosebud County

Rocky Mountain Well Log Service, List #375B, #383A

Bureau of Land Management

WYOMING

Campbell County

Rocky Mountain Well Log Service, List #363A, #375B

Converse County

Rocky Mountain Well Log Service, List #375B

Johnson County

Rocky Mountain Well Log Service, List #375B

Sheridan County

Rocky Mountain Well Log Service, List #363A, #375B