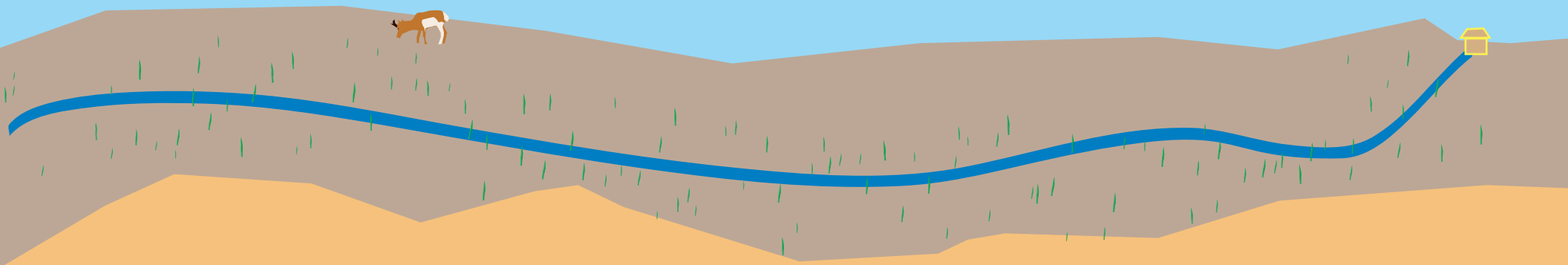




U.S. Geological Survey
Coalbed Methane Field Conference
May 9-10, 2001

edited by K. I. Takahashi



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3. Molecular, Maceral, Matrix & Microbial Matters in CBM – Charles E. Barker, U.S. Geological Survey
4. Chemical and isotopic composition of water from the Wasatch and Fort Union Formations in areas of coalbed methane development, Powder River Basin, Wyoming – Timothy T. Bartos and Cynthia A. Rice, U.S. Geological Survey
5. Nature and Characteristics of Water Co-Produced with Coalbed Methane with emphasis on the Powder River Basin – C. A. Rice and T. T. Bartos, U.S. Geological Survey
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1. Land use and development issues related to CBM

John Wheaton, Montana Bureau of Mines and Geology
Harold Kemp, Wyoming Office of State Lands and Investments
Lynn Rust, Bureau of Land Management, Wyoming State Office
Lance Cook, Wyoming State Geologist
Melody Holm, U.S. Forest Service

2. Regulatory issues related to CBM

Gary Beach, Wyoming Department of Environmental Quality
Mike Long, U.S. Fish and Wildlife Service
Abe Horpestad, Montana Department of Environmental Quality
Dick Stockdale, Wyoming Assistant State Engineer
Lance Cook, Wyoming State Geologist
Russell Levens, Montana Department of Natural Resources and Conservation

3. Tribal issues in CBM development

Ernie Robinson, Northern Cheyenne Tribe
Neta Old Elk, Crow Tribe
Brenda Shilfs, Bureau of Indian Affairs

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IV. Field Trip – May 10, 2001

1. Field Trip Notes— Open File Report 01-126

A field conference on impacts of coalbed methane development in the Powder River Basin, Wyoming— by Romeo M. Flores, Gary D. Stricker, Joseph F. Meyer, Thomas E. Doll, Pierce H. Norton, Jr., Robert J. Livingston, and M. Craig Jennings

2. Stop 1: Jacobs Ranch Coal Mine— Leaders: Rob Livingston, Jacobs Ranch Coal Co., Kennecott Energy, Gillette, Wyoming; and Romey Flores, USGS

3. Stop 2: Dry Fork CBM Field— Leaders: Tom Doll, Barrett Resources Corporation, Gillette, Wyoming; Joe Meyer, BLM, Casper, Wyoming; and Romey Flores, USGS, Denver, Colorado

4. Stop 3: Peabody Natural Gas Drill Site— Leaders: Gary Stricker and Romey Flores, USGS, Denver Colorado; Craig Jennings, Peabody Natural Gas LLC, Gillette, Wyoming

5. Stop 4: The Gap Gas Gathering Complex— Leader: Pierce Norton, Bear Paw Energy, Denver, Colorado

VI. Acknowledgment

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I. Meeting Opening



Meeting convened— Gene Whitney, USGS Energy Team Chief Scientist.



Welcome— Tom Casadevall, USGS Central Regional Director.



Opening Comments by USGS Director Chip Groat.

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Speakers



Geological overview of coalbed methane
— Vito Nuccio, USGS.



Geology of coal and coalbed methane in the
Powder River Basin— Romeo M. Flores, USGS.



Molecular, maceral, matrix & microbial
matters in CBM — Charles E. Barker, USGS.

Click on the speaker to see their slides



Chemical and isotopic composition of water
from the Wasatch and Fort Union Formations
in areas of coalbed methane development,
Powder River Basin, Wyoming — Timothy T.
Bartos and Cynthia A. Rice, USGS.



Nature and characteristics of water co-
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emphasis on the Powder River Basin — C. A.
Rice and T. T. Bartos, U.S. Geological Survey

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II. Speakers (continued)



Exploration and production methods
for CBM in Wyoming
— Jeff Jones, Western Gas Resources, Inc.



Inventory and monitoring of invasive plant
species — Tom Stohlgren, U.S. Geological
Survey



Biological characteristics and surface impact
of CBM development – Michael L. Scott,
U.S. Geological Survey. Slides not available
for this talk.

Click on the speaker to see their slides

**U.S. Geological Survey
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Panel: Land use and development issues related to CBM



John Wheaton,
Montana Bureau of Mines and Geology



Harold Kemp,
Wyoming Office of State Lands
and Investments



Lynn Rust,
Bureau of Land Management,
Wyoming State Office



Lance Cook, Wyoming State Geologist



Melody Holm, U.S. Forest Service

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Panel: Regulatory issues related to CBM



Gary Beach,
Wyoming Department of
Environmental Quality



Mike Long,
U.S. Fish and Wildlife Service



Abe Horpestad,
Montana Department of
Environmental Quality



Dick Stockdale,
Wyoming Assistant State Engineer



Lance Cook,
Wyoming State Geologist



Russell Levens,
Montana Department of Natural
Resources and Conservation

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Panel: Tribal issues in CBM development



Ernie Robinson, Northern Cheyenne Tribe



Neta Old Elk, Crow Tribe



Brenda Shilfs, Bureau of Indian Affairs

VI. Acknowledgment



Special thanks to Dorothy Tanti, USGS, who helped with the many details and logistics of this conference.