

FINAL ANNOUNCEMENT

2005

Rocky Mountain Section-AAPG Jackson Hole Meeting

September

24-26

2005

**Snow King Resort
Jackson, Wyoming**

Hosts:

- **Wyoming Geological Association**
- **Nevada Petroleum Society**
- **Idaho Association of Professional Geologists**

Photograph © 2005 Jerry Sieve. All rights reserved.

Pre-Registration Deadline: September 1, 2005

**Final Announcement sponsored by
Shell and BP**

Convention Committee Chairs

General	Jerry Walker and Sandra Mark
Technical Program	Lyn George
Awards/Judging	Paul Baclawski
Exhibits	John Kerns
Field Trip	Chuck Kluth
Finance	Charlie Gillespie
Publicity	Diane Phillips
Registration	Sandi Pellissier and Mary England
Short Course	Sandra Mark
Sponsorship	Margi Oldani Boissevain and Bill Houston
Volunteers	Robb Clayton and Ed Coalson

Rocky Mountain Section Officers

President	Donna Anderson
President-Elect	Rob Diedrich
Secretary/Treasurer	Steve Schamel
Secretary/Treasurer-Elect	John Robinson

Host Societies Officers

Wyoming Geological Association (2005)

President	Tim McCutcheon
President-Elect	Tom Anderson
1 st Vice President	Ralph Specht
2 nd Vice President	Mark Milliken
Secretary/Treasurer	Brian Black

Nevada Petroleum Society (2005 - 2006)

President	Jerry Walker
Vice President/President-Elect	Jon Price
Secretary	Carl Welch
Treasurer	Steve Foster

Idaho Association of Professional Geologists (2005 - 2006)

Acting President	Starr Marea Johnson
Acting Secretary/Treasurer	Karl Languirand

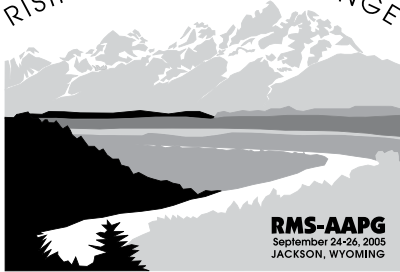
Judges Needed!

Numerous awards are presented at the opening session of the Rocky Mountain Section Meeting for papers presented at the previous year's meeting. These include the A.I. Levorsen Award for the best paper, the Champlin Award for the best poster, and the Runge Award for the best student paper.

These awards are made as the result of scoring by volunteer judges and we urge you to participate. Just check the appropriate box on your registration form, and you will be contacted by the awards committee to determine your preferences for sessions you are interested in judging. Every effort will be made to place judges in the session(s) of their choice. All that is required is that you attend the complimentary breakfast on Sunday, observe the papers or posters in your session and turn in your score cards when you are done. You will have our thanks and the knowledge that you did your part in rewarding excellence.

Rocky Mountain Rendezvous

RISING TO THE CHALLENGE



Welcome to Jackson Hole and the 2005 Rocky Mountain Section Meeting

We invite you to enjoy the many professional and guest opportunities provided by the 2005 Rocky Mountain Section meeting at the Snow King Resort this September 24-26 in Jackson Hole, Wyoming. Take part in an exciting, jam-packed 2½ -day program that is as wide ranging as the geologic provinces of its host societies: the Wyoming Geological Association, Nevada Petroleum Society, and Idaho Association of Professional Geologists. Like the fur trappers of the early 1800's, experience the economic and social interactions of a Rocky Mountain Rendezvous – honing your skills, trading ideas, and acquiring the necessities to rise to the challenge of securing our country's energy needs.

Lyn George has put together a gem of a technical program. Start off by attending Saturday afternoon's forum on Federal land use, and learn about the impact of the planning process and regulatory programs on oil-and-gas exploration and development of public lands. Then, make the hard decisions about which talks to attend on Sunday and Monday, for you'll have plenty from which to choose. Our Mega-Session, *Increasing the Supply of Rocky Mountain Natural Gas*, offers four sessions – *The Role of CBM 1 (Powder River Basin) and 2, Economic and Technologic Aspects*, and *Geologic Aspects*, with attractive advice towards accomplishing this goal. Seven other sessions explore contemporary topics in the Rocky Mountain region: *Geologic Developments in the Rockies 1 and 2, Resource Plays, Advanced Technologies for Exploration and Production 1 and 2 (Seismic Technologies), Reservoir Models and Case Studies*, and *Exploration Challenges of the Great Basin and Utah Hingeline*. Rounding it off, three general poster sessions provide an informal format to review the presenters' latest work.

Sandra Mark has organized two well-timed short courses. *Intro to Mining the Internet: Free GIS Data / Low Cost Software for the Oil & Gas Professional* provides hands-on instructions for a powerful computer application, while the short course on *Bakken Play Essentials* gives you an exciting look at the newest Williston Basin action. If you've got a hankering to get out into the field and see remarkable geology, then check out Chuck Kluth's offerings. A pre-meeting trip out of Rock Springs – led by Randi Martinsen, Ron Steel, Adam Van Holland, and Carolina Gomez – takes you to outcrops of tight gas sands and coalbed-methane resources in the Upper Cretaceous Mesaverde Group. As an adjunct to this trip, Jim Steidtmann and Randi Martinsen will cover the geology on Saturday's drive from Rock Springs to the meeting in Jackson Hole, with a stop at Jonah Field. After the meeting, soak up the breath-taking geology of the Jackson Hole region with Dave Lageson and David Adams.

John Kerns has extended an invitation to the oil patch, inviting a virtual melange of pertinent exhibitors who will display a wide range of services and items. Our *All Convention Luncheon* on Sunday features Bob Smith, from the University of Utah's Seismology and Active Tectonics Research Group, as our keynote speaker, who will captivate you with the story behind the evolution of the Yellowstone hotspot. At Monday's *AAPG Divisions Luncheon* you'll hear about the dynamic activities of each AAPG Division, with emphasis on the Rocky Mountains.

Don't miss Saturday evening's *Welcoming Reception*, where friends can congregate around the Snow King's heated pool and inviting lobby fireplace. The *Icebreaker* will be held in the Exhibit Hall Sunday afternoon. Partake of western cuisine and learn to swing dance at Sunday night's convention dinner. Guest activities include a luncheon visit to the acclaimed National Museum of Wildlife Art, and a van tour or 10-mile float trip in Grand Teton National Park.

Jackson Hole, and Grand Teton and Yellowstone national parks offer a wonderful variety of outdoor activities. Indeed, September can be one of the best times of the year to visit these scenic treasures, when vistas are no longer packed by the hurried crowds of summer, replaced instead by the brilliance of autumn colors. Whitewater float trips, scenic lake cruises, hiking, and horseback riding are just some of the ways to take in the spectacular beauty. Chuck wagon dinners and fine dining provide tastes of both the old and new West, while the National Museum of Wildlife Art offers an unforgettable feast for the eyes of all to see.

Here's a final suggestion to double your pleasure. Our meeting conveniently follows the ninth annual Wyoming Natural Gas Fair, at the Snow King Resort on September 22-23. Take in two great meetings in one spectacular locale!

We look forward to wishing you a hearty welcome this Fall in Jackson Hole!

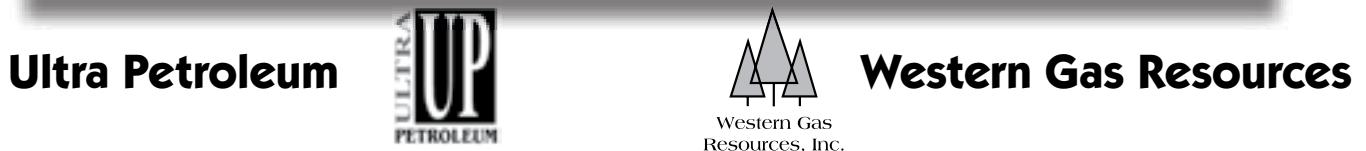
Jerry Walker and Sandra Mark
General Co-Chairs

Sponsors

TCF Level



BCF Level



MMCF Level



MCF Level



Sponsorship for RMS-AAPG

Please consider supporting the RMS-AAPG by signing up as a *TCF*, *BCF*, *MMCF*, or *MCF* sponsor. Each level (from \$500 to \$10,000) carries tangible benefits for your organization. The sponsorship money will help defray the substantial cost of the meeting. Please call Margi Oldani Boissevain at 303-825-7400 or Bill Houston at 720-239-4367, Sponsorship Chairs, for ideas on how you can get your name out to the attendees while providing financial support to the Section.

Finding, developing and producing oil and natural gas in the United States.



Responsibly and safely.

Shell companies have been exploring for and producing hydrocarbons for more than a century. Based in Houston, Texas, Shell Exploration and Production Company's (SEPCo) key operating locations are in the Gulf of Mexico, South Texas, Wyoming and Alabama. Shell drilled its first wells in South Texas in 1953, in the Rincon, LaCopita and Javelina fields located west of McAllen and is active in the Rocky Mountain region, namely western Wyoming's Pinedale Anticline. SEPCo will maintain current gas production levels by expanding existing positions in South Texas and the Rockies and exploring in those areas, leading the industry in the U.S. in development of technology and other E&P best practices, while maintaining a leadership position in environmental stewardship.



Schedule of Events

All events will be held in the Snow King Resort unless otherwise noted.

Wednesday, September 21

5:00 p.m. Field Trip 1 - Regressive vs. Transgressive Systems: Processes & Geometries Meets in Rock Springs, WY

Thursday, September 22

8:00 a.m. Field Trip 1 - Regressive vs. Transgressive Systems: Processes & Geometries Rock Springs, WY

Friday, September 23

6:00 p.m. Field Trip 1 - Regressive vs. Transgressive Systems: Processes & Geometries Ends in Rock Springs, WY

Saturday, September 24

7:30 a.m.-4:00 p.m. Field Trip 2A - Geology of Rock Springs to Jackson Hole (with Jonah Field tour) Departs
Rock Springs, WY

8:30 a.m.-1:00 p.m. Field Trip 2B - Jonah Field Tour Departs from and returns
to intersection of U.S.
Highway 191 and road to
Jonah Field (milepost 67.)

10:00 a.m.-7:00 p.m. ... Registration Jackson Room

10:00 a.m.-7:00 p.m. ... Speaker Rehearsal/Judges Room Timberline Two

12:00 p.m.-5:00 p.m. ... Short Course 1 - Bakken Play Essentials Timberline Three

12:00 p.m.-5:30 p.m. ... Guest Hospitality Room Paintbrush 153

1:00 p.m.-3:50 p.m. Environmental Forum - Federal Land Use Planning Timberline One

1:00 p.m.-4:00 p.m. ... Short Course 2 - Intro to Mining the Internet: Free GIS Data / Low Cost Software Computer Lab,
Jackson H.S.

4:15 p.m.-5:30 p.m. Opening and Awards Session Timberline One

5:30 p.m.-7:00 p.m. Welcoming Reception Lobby/Poolside

Sunday, September 25

6:45 a.m.-8:00 a.m. AAPG House of Delegates Breakfast Summit Two

6:45 a.m.-8:00 a.m. RMS-AAPG Foundation Breakfast Meeting Summit One

6:45 a.m.-8:00 a.m. Speakers/Poster Presenters/Judges Breakfast Timberline Three

7:30 a.m.-5:00 p.m. Speaker Rehearsal/Judges Room Timberline Two

7:30 a.m.-6:00 p.m. Registration Jackson Room

8:00 a.m.-11:30 a.m. ... Mega-Session – Gas Supply: Economic and Technologic Aspects Timberline One

8:00 a.m.-11:30 a.m. ... Technical Session - Advanced Technologies for Exploration and Production 1 Teton Room

8:00 a.m.-4:00 p.m. ... Guest Hospitality Room Paintbrush 153

9:00 a.m.-5:30 p.m. Exhibit Hall Grand Room

11:30 a.m.-3:30 p.m. ... Guest Activity - Luncheon and Tour of the National Museum of Wildlife Art Departs Snow King Resort

11:45 a.m.-1:15 p.m. ... All Convention Luncheon Summit Two

1:30 p.m.-4:20 p.m. Mega-Session – Gas Supply: Role of CBM 1 (Powder River Basin) Timberline One

1:30 p.m.-4:00 p.m. Technical Session - Resource Plays Teton Room

1:30 p.m.-4:00 p.m. Technical Session - Geologic Developments in the Rockies 1 Timberline Three

1:30 p.m.-4:00 p.m. General Poster Session 1 Rafferty's

4:00 p.m.-5:30 p.m. Icebreaker Grand Room

6:30 p.m.-9:30 p.m. BBQ Dinner and Western Dancing Lodge Room,
Snow King Center

Schedule of Events - continued

Monday, September 26

6:30 a.m.-9:00 a.m..... RMS-AAPG Executive Committee Breakfast Meeting	Jackson Room
6:45 a.m.-8:00 a.m..... Speakers/Poster Presenters Breakfast	Summit Two
7:30 a.m.-5:00 p.m..... Speaker Rehearsal/Judges Room	Timberline Two
8:00 a.m.-1:00 p.m..... Registrations.....	Lobby
8:00 a.m.-5:00 p.m..... Exhibit Hall	Grand Room
8:00 a.m.-5:00 p.m..... Guest Hospitality Room	Paintbrush 153
8:00 a.m.-11:30 a.m. .. Mega-Session – Gas Supply: Role of CBM 2	Timberline One
8:00 a.m.-11:30 a.m. .. Technical Session - Advanced Technologies for Exploration and Prod. 2 (Seismic) ..	Teton Room
8:00 a.m.-11:30 a.m. .. Technical Session - Geologic Developments in the Rockies 2.....	Timberline Three
9:00 a.m.-11:30 a.m. .. General Poster Session 2	Rafferty's
9:00 a.m.-3:00 p.m..... Guest Activity - Tour of Grand Teton National Park.....	Departs Snow King Resort
9:15 a.m.-2:30 p.m. Guest Activity - Snake River Float Trip through Grand Teton National Park	Departs Snow King Resort
11:45 a.m.-1:15 p.m. ... AAPG Divisions Luncheon	Summit Two
1:30 p.m.-4:40 p.m..... Mega-Session – Gas Supply: Geologic Aspects	Timberline One
1:30 p.m.-4:40 p.m..... Technical Session - Exploration Challenges of the Great Basin and Utah Hingeline..	Teton Room
1:30 p.m.-4:40 p.m..... Technical Session - Reservoir Models and Studies	Timberline Three
1:30 p.m.-4:00 p.m..... General Poster Session 3	Rafferty's

Tuesday, September 27

8:00 a.m. -5:00 p.m..... Field Trip 3 - Overview of the Geology of Jackson Hole and the Teton Range	Departs Snow King Resort
---	--------------------------



Environmental Forum

(Saturday, September 24th, 1:00 p.m.–3:50 p.m.)

How the Federal Land Use Planning Process and other Regulatory Programs Impact Oil and Gas Exploration and Development on Public Lands

This forum will review issues related to environmental protection and their consequences on the oil-and-gas industry's access to and use of public lands. It will focus on how the federal land-use planning process works and how it affects oil-and-gas exploration and development – from leasing to final reclamation. Federal land-use planning is conducted through the Resource Management Plan. A land-use lawyer will discuss how industry can be more involved in this planning process. Increasing demand for access to public land by industry has placed additional burdens on the US Bureau of Land Management. Representatives from the Utah and Wyoming BLM state offices will discuss how their offices are

meeting the challenges presented by these demands, and will provide updates for their states. For an industry perspective on these issues, a Wyoming operator will talk about his experiences on Federal lands and how his company is striving to deal with the regulatory environment.

Speakers include Claire Mosely (Executive Director, Public Lands Advocacy, Denver), Kent Hoffman (Deputy State Director, Lands and Minerals, BLM, Utah), Alan Rabinoff (Deputy State Director, Minerals and Lands, BLM, Wyoming), and John Kennedy (Kennedy Oil).

Opening/Awards Session

(Saturday, September 24th, 4:15 p.m.–5:30 p.m.)

The session will include opening remarks from AAPG national dignitaries, and by leaders of the Rocky Mountain Section and the Wyoming Geological Association involved in organizing the annual Section meeting. Ceremonies will also include presentation of

the A.I. Leveson Award, for the best oral paper, Steve Champlain Memorial Award, for best poster presentation, and the Runge Award, for best student paper, to the awardees from the 2004 RMS-AAPG Denver annual meeting.

Exhibits

(Open Sunday, Sept. 25th, 9:00 a.m.–5:30 p.m. and Monday, Sept. 26th, 8:00 a.m.–5:00 p.m.)

Vendors in service to the petroleum exploration and development industry are looking forward to the 2005 Rocky Mountain Section - AAPG meeting in Jackson Hole. This means that you will have the opportunity to investigate and see demonstrated the latest in a wide range of products and services that are available in every area of interest in the industry.

Exhibits will be housed in the Grand Room of the Snow King Resort. The exhibition will also serve as the high-tech setting for the late afternoon Icebreaker on Sunday.

The AAPG Bookstore will be brimming with new and interesting publications, so count on using it as your rendezvous point with colleagues during the meeting.

NOTE: A trade exhibition is not a safe place for children, so please be advised that no one under the age of 13 will be allowed in the hall at any time. Please keep this in mind when making your travel arrangements.

Any companies or organizations interested in exhibiting their products and services should contact John Kerns, Exhibits Chair, at Kerns Exploration, Box 613, Casper, WY 82602-0613; 307-237-9339 (office), 307-266-1823 (fax), jkerns@coffey.com.

Technical Program

All Technical Program events will be held in the Snow King Resort.

September 24 — Saturday Afternoon Oral

Environmental Forum: How the Federal Land Use Planning Process and Other Regulatory Programs Impact Oil and Gas Exploration and Development on Public Lands

Timberline 1

Chair: B. Berg

1:00**Introductory Remarks**

1:05**C. Moseley:** Review of the Federal Land Use Planning Process

1:35**K. Hoffman:** Utah—Permitting Challenges in a Rocky Mountain Petroleum Frontier

2:05**A. Rabinoff:** Overview of Oil and Gas Permitting—Issues Faced by the Bureau of Land Management in Wyoming

2:35**J. Kennedy:** Management of Produced Water from Coalbed Natural Gas Wells, Powder River Basin, Wyoming

3:05**Audience Q & A**

3:25**Concluding Comments by Speakers**

3:45**Concluding Remarks**

September 25 — Sunday Morning Oral

Increasing the Supply of Rocky Mountain Natural Gas: Economic and Technologic Aspects

Timberline 1

Co-Chairs: D. Hawk and M. Doelger

8:00**Introductory Remarks**

8:10**D. Nummedal:** A New Energy System for the Intermountain West—Built on Domestic Primary Resources and Negative Carbon Emissions

8:30**R. H. De Bruin, N. R. Jones*, R. M. Lyman, A. J. Ver Ploeg:** Overview of an Interactive Online Internet-Based Map Server (IMS) for Wyoming's Northern Powder River Basin

8:50**R. M. Lyman, N. R. Jones:** Wyoming Coal's Role in Gassification: Past, Present, and Back to the Future

9:10**K. T. Thomas:** Supplying the Next Generation of Petroleum Professionals

9:30**Break**

9:50**B. G. Hassler:** The Rocky Mountain Transportation Conundrum

10:10**J. B. Curtis:** Utility of Rocky Mountain Tight Gas Sand Resource Assessments: Data Sources, Methodologies and End Users

10:30**R. C. Surdam, Z. Sheng:** A Strategy to Reduce Risk in Searching for Gas Accumulations in Tight-Gas Sand

10:50**C. A. Wood, C. E. Graham:** Regulatory Framework for 80-Acre Development Created in the Greater Wamsutter Development Area

11:10**S. Kneller, R. W. McDermott, S. G. Zinke:** What's UP on the Pinedale Anticline

Advanced Technologies for Exploration and Production 1

Teton

Co-Chairs: J. Steidtmann and K. Grubbs

8:00**Introductory Remarks**

8:10**H. Tie, N. R. Morrow*:** Low Flood Rate Residual Saturations in Carbonate Rocks

8:30**D. Schumacher, D. Hitzman, B. Rountree:** Geochemical Exploration Surveys in the Rockies: Strategies for Success

8:50**K. van't Veld, J. M. Boyles, B. Towler, A. Ergenc, C. Mason:** Using the EORI Scoping Tool to Assess the Potential Suitability of a Wyoming Oil Field for Enhanced Oil Recovery

9:10**J. S. Arbogast, S. M. Goolsby:** Inversion Modeling of the SP Log—Resurrecting and Quantifying a Critical Measurement for Predicting Permeability and Formation Water Resistivity

9:30**Break**

9:50**D. D. Cramer:** Analyzing Hydraulically Fractured Gas Well Performance in the Greater Green River Basin of Wyoming

**Denotes speaker other than senior author.*

September 25 — Sunday Morning Oral - continued

- 10:10**E. E. Wadleigh**: Application of Fractured Reservoir Simulation Concepts—Teapot Dome
 10:30**R. W. Klusman**: Is It Possible to Detect Gas Seepage from CO₂-EOR Projects? Experience at Rangely, Colorado, with CO₂-EOR, and Teapot Dome, Wyoming, at Baseline Condition
 10:50**S. Wo**: Reservoir Modeling and Simulation for CO₂ Flooding: The Effect of Reservoir Heterogeneity on Simulation Forecasts
 11:10**P. Yin**: Characterization of Tensleep Sandstone Reservoirs

September 25 — Sunday Afternoon Oral

Increasing the Supply of Rocky Mountain Natural Gas: The Role of CBM 1, Powder River Basin

Timberline 1

Co-Chairs: J. Goolsby and F. Mark

- 1:30**Introductory Remarks**
 1:40**M. Ashley**: Wyodak Coal, Tongue River Member of the Fort Union Formation, Powder River Basin, Wyoming: “No-Coal Zones” and Their Effects on Coalbed Methane Production
 2:00**M. J. Blackstone**: The Fort Union Formation of the Powder River Basin, Campbell County, Wyoming: The Methane Gas Potential of the Upper Fort Union Formation Sandstones
 2:20**R. E. Zilinski, D. M. Goldstein**: Paleotectonic Control and Its Relationship to Wyodak Coal Deposition and Production in the Powder River Basin, Wyoming
 2:40**G. Ulrich, R. DeBruyn, M. Finkelstein, J. Weber**: Active Biogenesis of Methane in Ft. Union Coals of Wyoming’s Powder River Basin
 3:00**D. A. Klein, R. M. Flores, S. McKinney, L. P. Pereyra, A. Pruden-Bagchi**: Cultural and Molecular Studies of Methanogens in Paleocene Fort Union Formation Coal from the Powder River Basin of Wyoming and Montana
 3:20**M. S. Ellis, G. D. Stricker, R. M. Flores**: Gas Desorption Tests: Application for Powder River Basin Gas Production Prediction
 3:40**C. R. Nelson**: Coalbed Natural Gas Resource Potential of the Wyodak-Anderson Coal Zone in the Powder River Basin
 4:00**J. S. Chamness**: Coalbed Methane Produced Water Management—Beneficial Use Alternatives in the Rocky Mountain States

Resource Plays

Teton

Co-Chairs: J. LeFever and B. Bereskin

- 1:30**Introductory Remarks**
 1:40**J. Kieschnick, R. Suarez-Rivera, D. Handwerker**: Evaluating Thermogenic Tight Gas Shales: The Unconventional Frontier with Proven Success
 2:00**S. Schamel**: Shale Gas Reservoirs of Utah
 2:20**J. Morel**: The Goshen Multi-Zone Project: A Resource Area Where Multi-Stage Frac Technology May Commercialize Stacked Low Permeability, Hydrocarbon Saturated Targets
 2:40**S. Schamel, S. R. Bereskin**: Detached Silt-Rich Lowstand Shoreface Deposits of the Western Interior Seaway: Known and Prospective ‘Shale’ Gas Reservoirs
 3:00**R. C. Johnson, T. M. Finn, S. B. Roberts, L. N. R. Roberts, P. G. Lillis, P. H. Nelson**: Upper Cretaceous and Tertiary Petroleum Systems and Assessment Units, Wind River Basin, Wyoming
 3:20**J. A. LeFever**: Horizontal Drilling Potential of the Middle Member Bakken Formation, North Dakota
 3:40**J. T. Sperr, R. B. Burke**: The Upper Birdbear Formation (Nisku) of Western North Dakota: Another Emerging Williston Basin Horizontal Play

Geologic Developments in the Rockies 1

Timberline 3

Co-Chairs: R. Martinsen and P. Isaacson

- 1:30**Introductory Remarks**
 1:40**D. Nummedal, H. Luo, S. Liu**: Late Cretaceous Subsidence in Wyoming
 2:00**H. Luo, D. Nummedal**: Documentation of Late Cretaceous Forebulge Migration in Southwestern Wyoming

**Denotes speaker other than senior author.*

September 25 — Sunday Afternoon Oral - continued

- 2:20**A. S. Otteman, A. W. Snoke:** Structural Analysis of a Laramide-Age, Basement-Involved, Foreland Fault Zone, Rawlins Uplift, South-Central Wyoming
- 2:40**T. G. Neely:** 3-D Strain at Transitions in Foreland Arch Geometry: Structural Modeling of The Beartooth Arch—Rattlesnake Mountain Transition, Northwest Wyoming
- 3:00**E. Erslev:** What are the Mechanisms and Timing of Joints in the Rockies?
- 3:20**M. Millard, R. W. Clayton, C. S. Painter:** Sediment Diapirism and Gravity Sliding of the 2 Ma Huckleberry Tuff Near the Teton Dam, Idaho: Small-Scale Structural Constraints
- 3:40**W. D. Hausel:** Gemstones in Wyoming: Geology and Exploration

September 25 — Sunday Afternoon Poster

General Poster Session 1

Rafferty's

Chair: L. George

1:30 to 4:00 p.m.

- P1****P. B. Anderson:** Mesaverde Gas Play—Eastern Uinta Basin, Utah
- P2****Y. Bartov, D. Nummedal:** Exploring the Basin Fill History of the Green River Formation in the Piceance Creek and the Uinta Basins
- P3****T. C. Chidsey, Jr., D. A. Sprinkel:** Petroleum Geology of Ashley Valley Field and Hydrocarbon Potential of the Surrounding Area, Uintah County, Utah
- P4****H. Pekarek:** Structure, Stratigraphy, and Hydrocarbon Potential of Butte Valley, White Pine County, Nevada
- P5****C. S. Painter, W. W. Little, G. F. Embree, M. Millard:** Geomorphic Response of the Henrys Fork River to Pleistocene Volcanism, Mesa Falls Recreation Area, Caribou-Targhee National Forest, Idaho
- P6****T. L. De Keyser:** Petrographic Reservoir Characterization—Direct Measurement and Analysis of Pore and Grain Size Data from Thin Sections

September 26 — Monday Morning Oral

Increasing the Supply of Rocky Mountain Natural Gas: The Role of CBM 2

Timberline 1

Co-Chairs: J. Goolsby and F. Mark

- 8:00**Introductory Remarks**
- 8:10**M. Mavor, W. D. Gunter:** Evaluation of Coal Seam Permeability in Marginal Reservoirs
- 8:30**R. A. Larson, G. J. Holm, J. Lorenz:** Coalbed Methane Resource Development in Ecologically Sensitive Environments, Vermejo Park Ranch, New Mexico—a Case Study
- 8:50**R. A. Lamarre:** Undersaturation in Coals: How Does It Happen and Why Is It Important
- 9:10**P. R. Oldaker, U. Fehn:** Dating of Coalbed Methane Reservoir and Surface Waters in the Raton Basin, Colorado and the Susitna Basin, Alaska
- 9:30**Break**
- 9:50**J. Pope:** Same Day Downhole Critical Gas Content Without the Core
- 10:10**A. R. Scott:** Coalbed Methane in the San Juan and Powder River Basins: Differences and Similarities
- 10:30**T. Hayes, D. Arthur:** Treatment Technologies for Coalbed Methane Produced Water Management
- 10:50**B. Miller, S. Ruhl:** A Historical Perspective of Anadarko's CBNG Exploration and Development Success in the Rocky Mountain Region
- 11:10**S. H. Hollis:** A New Look at Cow Creek Field, Carbon County, Wyoming

**Denotes speaker other than senior author.*

September 26 — Monday Morning Oral - continued

Advanced Technologies for Exploration and Production 2 (Seismic)

Teton

Co-Chairs: *K. Grubbs and J. Steidtmann*

8:00 **Introductory Remarks**

8:10 **S. Ronen, M. Wagaman, C. Ansorger:** Improved Imaging of the Darby Thrust Fault Using Multi-Component Seismic Receivers

8:30 **T. L. Inks, T. Collett, D. J. Taylor, W. F. Agena, M. W. Lee, R. B. Hunter:** Prospecting for Gas Hydrate Accumulations Using 2-D and 3-D Seismic Data, Milne Point, North Slope Alaska

8:50 **B. Mattocks, D. Todorovic-Marinic, S. L. Roche, S. Ronen:** Characterizing a Fractured Carbonate with an Embedded Multicomponent Seismic Test

9:10 **P. M. Duncan, J. Lakings, C. Neale:** The Use of Passive Seismic Monitoring for the Exploration and Production of Hydrocarbon Reservoirs

9:30 **Break**

9:50 **S. G. Zinke, S. E. Shearer:** Pinedale Field: Geophysical Applications in a Major Tight Gas Field, Green River Basin, Wyoming, U.S.A.

10:10 **S. L. Roche, M. Wagaman, H. J. Watt:** Acquisition and Analysis of Multicomponent Seismic Data, Anadarko Basin, Oklahoma, U.S.A.

10:30 **R. W. Keach, II, P. Harrison, D. Harrison:** Detailed Stratigraphic Delineation Using 3-D Volume Interpretation: A Case Study from the Uinta Basin, Utah

10:50 **J. J. Reeves:** A New Technology for 3-D Seismic Exploration and Development of Fractured Tight Gas Reservoirs

11:10 **J. H. McBride, R. W. Keach, II, T. H. Morris, W. Monn, T. Anderson:** Investigating the Interaction of Sevier and Laramide Structural Development in the Rocky Mountains with 3-D Seismic Mapping

Geologic Developments in the Rockies 2

Timberline 3

Co-Chairs: *R. Martinsen and P. Isaacson*

8:00 **Introductory Remarks**

8:10 **L. Batt, P. E. Isaacson, M. C. Pope, I. P. Montañez:** High Resolution Sequence Stratigraphy of Latest Mississippian (Chesterian) Carbonate and Siliciclastic Facies in East Central Idaho and Southwest Montana

8:30 **J. M. Abplanalp, P. E. Isaacson, A. S. Gilmore:** Late Mississippian (Chesterian)-Early Pennsylvanian (Morrowan) Conodont Biostratigraphy of East-Central Idaho and Southwest Montana

8:50 **A. J. Ulishney, R. D. LeFever:** Sandstone Lithofacies within the Icebox Formation (Ordovician), Williston Basin, North Dakota and Montana

9:10 **M. Dechesne, R. G. Reynolds:** Reservoir Geometry of the Regressive Fox Hills Sandstone: Control on Aquifer Quality

9:30 **Break**

9:50 **C. R. Carvajal, R. Steel, D. Reitz:** Lewis Deltaic Shelf Sequences Predict Deepwater Sand Presence/Absence

10:10 **M. Hendricks:** Goodbye to the Upper Cretaceous Seaway—Models for Lewis, Fox Hills, and Lance Strata in the Greater Green River and Wind River Basins

10:30 **A. R. VanHolland, R. S. Martinsen:** Facies and Architecture of the Chimney Rock Member, Rock Springs Formation (Mesaverde Group), Southwest Wyoming

10:50 **A. L. Petter:** Cretaceous Lowstand Shorelines of the Middle Park Basin, Colorado

11:10 **P. E. Isaacson, M. C. Pope, I. P. Montañez, L. Batt:** Middle and Upper Paleozoic Carbonate Sequences in Idaho: Foreland Subsidence, Eustasy and Reefs

**Denotes speaker other than senior author.*

September 26 — Monday Morning Poster

General Poster Session 2

Rafferty's

Chair: L. George

9:00 to 11:30 a.m.

- P1** **S. B. Roberts, R. C. Johnson, P. G. Lillis:** The Waltman Shale Total Petroleum System: Does It Have a Favorable Future?
P2 **P. G. Lillis, R. C. Johnson:** Characterization of the Natural Gas Systems of the Wind River Basin, Wyoming
P3 **R. C. Johnson, S. B. Roberts, D. J. Nichols:** New Stratigraphic and Palynologic Studies of the Paleocene Waltman Shale Member, Wind River Basin, Wyoming: Implications for Basin Depositional Environments
P4 **T. J. McCutcheon, J. M. Skeim:** Discovered Crude Oil Resources of Wyoming, U.S.A.
P5 **G. L. Ford:** Application of a High-Frequency Sequence Stratigraphic Framework in the Second Frontier, Green River Basin, Wyoming
P6 **B. Blakeney DeJarnett, A. J. Scott:** Tidally Influenced Sedimentation in the Upper Cretaceous Almond Formation, Patrick Draw Field, Sweetwater County, Wyoming: Come Look at the Cores

September 26 — Monday Afternoon Oral

Increasing the Supply of Rocky Mountain Natural Gas: Geologic Aspects

Timberline 1

Co-Chairs: D. Bowen and M. Dempsey

- 1:30 **Introductory Remarks**
 1:40 **R. C. Surdam, Z. Sheng:** Deep Gas Potential in Wyoming
 2:00 **J. E. Fassett, B. C. Boyce:** The San Juan Basin Is NOT a Model for "Basin-Centered Gas"
 2:20 **S. P. Cumella, J. Scheevel:** Geology and Mechanics of the Basin-Centered Gas Accumulation, Piceance Basin, Colorado
 2:40 **N. B. Harris:** Shallow Thermogenic Shale Gas in the Rocky Mountains
 3:00 **Break**
 3:20 **A. V. Rigoris, I. Pasternack, J. B. Curtis, N. F. Hurley:** Source-Rock Analysis of the Lower Member of the Lewis Shale, Washakie Basin, Wyoming
 3:40 **G. E. Norris, T. McClain:** Case Study: Greater Wamsutter Field, Wyoming—Tight Gas Reservoir
 4:00 **V. L. Riggert, J. A. Hornbeck, D. S. Muller, B. W. Horn, G. E. Norris, D. H. Phillips, E. Glørstad-Clark, J. L. Coleman, Jr.:** Almond Reservoir Stratigraphy and Its Impact on Well Density Rule Changes in the Greater Wamsutter Development Area
 4:20 **M. Niemann, P. R. Clarke, C. T. Cornelius, B. Ryan, M. J. Whiticar:** Gas Origin in Coals of the Blackhawk Formation, Castlegate Coalbed Methane Field, Utah

Exploration Challenges of the Great Basin and Utah Hingeline

Teton

Co-Chairs: B. Ebni and D. French

- 1:30 **Introductory Remarks**
 1:40 **D. A. Sprinkel, T. C. Chidsey, Jr.:** Exploration History and Petroleum Geology of the Central Utah Thrust Belt
 2:00 **F. C. Moulton, M. L. Pinnell*:** Central Utah, a New Oil and Gas Province
 2:20 **D. Strickland, J. P. Vrona, K. R. Johnson, D. D. Schelling, D. A. Wavrek:** Structural Geology and Petroleum Systems of the Newly Discovered Covenant Field Area, Central Utah Thrust Belt
 2:40 **J. Trexler, Jr., P. Cashman:** Late Paleozoic Tectonism in the Central Great Basin Requires Revision of Stratigraphic and Structural Interpretations
 3:00 **Break**
 3:20 **G. L. Lisle:** Integrated Gravity and Magnetic Interpretations Yield New Insights to Basin and Range Structures
 3:40 **D. M. Seneshen, J. H. Viellenave, J. V. Fontana:** Surface Geochemical Tools for Hydrocarbon Exploration and Structural Mapping in the Great Basin of Nevada and Utah

**Denotes speaker other than senior author.*

September 26 — Monday Afternoon Oral - continued

- 4:00**L. C. Bortz**: Eagle Springs Oil Field East Extension—a 1965 Soil Gas Survey Success
 4:20**J. B. Hansen, C. Schaftenaar**: The Megabreccia Reservoir at Ghost Ranch Oilfield, Railroad Valley, Nevada

Reservoir Models and Case Studies

Timberline 3

Co-Chairs: T. Anderson and R. Gries

- 1:30**Introductory Remarks**
 1:40**C. D. Morgan, K. McClure, T. C. Chidsey, Jr., R. Allis**: Structure and Reservoir Characterization of Farnham Dome Field, Carbon County, Utah
 2:00**T. H. Morris, W. Monn, J. H. McBride, R. W. Keach, II**: Integrated Reservoir Characterization of the Entrada Erg-Margin Gas Play, Utah: An Outcrop and Seismic Analog for the North Hill Creek/Flat Rock Field, Southern Uinta Basin, Utah
 2:20**J. M. Boyles, K. van't Veld, B. F. Towler, C. F. Mason**: Using Production History and Field Characteristics to Quantify the Influence of Geologic and Engineering Attributes on Reservoir Performance in Wyoming Oil Fields
 2:40**F. E. Bakun, C. N. Cecil, H. C. Gee, K. A. Haley, E. R. Ellis, S. L. McConkey**: Techniques to Evaluate Reservoir Performance in a Tight Gas Field: The Wamsutter Experience
 3:00**Break**
 3:20**T. C. Stiteler, T. J. Young, K. E. Meisling, W. B. Hanson**: A Structural Model of Jonah and South Pinedale Fields, Wyoming
 3:40**R. W. McDermott, T. G. Graham**: Pinedale Field: A Giant New Gas Resource, Green River Basin, Wyoming, U.S.A.
 4:00**C. E. Mullen**: Big Sand Draw Field—The Proof Is In the Details
 4:20**Q. Zhang, D. Nummedal, P. Yin**: Stratigraphy, Sedimentology and Petrophysics of the Tensleep Sandstone at Teapot Dome and in Outcrop

September 26 — Monday Afternoon Poster

General Poster Session 3

Rafferty's

Chair: L. George

1:30 to 4:00 p.m.

- P1****M. E. Ward, S. E. Laubach**: Fractured Sandstone Outcrops in Northeast Mexico: Guides to the Attributes of Fractures in Tight Gas Sandstones
P2**K. Tushman, S. E. Laubach**: Regional Subthrust Fracture Arrays in Outcrop: Guide to Attributes of Tight Gas Sandstones
P3**M. D. Milliken, T. J. McCutcheon**: Surface Mapping Validates 3D Seismic Faulting Interpretations at Teapot Dome Field, Natrona Co., Wyoming
P4**N. J. Gilbertson, N. F. Hurley**: 3D Geologic Modeling and Fracture Interpretation of the Tensleep Sandstone, Alcova Anticline, Wyoming
P5**J. M. Pope**: Same Day Downhole Gas Content Analysis with Raman Spectroscopy
P6**K. A. Duncan, R. P. Langford**: Lacustrine Deposits Examined as a Stratigraphic Control on Migration and Compartmentalization in Eolian Reservoirs

**Denotes speaker other than senior author.*

Short Courses

Short Course #1: Bakken Play Essentials

Date:.....**Saturday, September 24, 2005, 12 noon – 5 p.m.**
 Instructors:**(see list of instructors below)**
 Location:**Timberline Three, Snow King Resort**
 Fee:**\$25 / \$35 after Sept. 1 (includes lunch sponsored by Sunburst Consulting)**
 Limit:**48 persons**
 Sponsors:**Rocky Mountain PTTC and Montana Geological Society**

This short course will focus on strategies and challenges of exploration and exploitation of the Middle Bakken Formation of Montana and North Dakota. The all-star line-up of presentations includes:

- Dick Findley (Prospector Oil, Inc., Billings, MT): Introduction and Early History of the Bakken Play in Montana
- Julie LeFever (North Dakota Geological Survey, Grand Forks, ND): Overview of Bakken Stratigraphy in North Dakota and “Mini” Core Workshop
- John Kieschnick and Robert Suarez-Rivera, (TerraTek, Salt Lake City, UT): Core Technology for Evaluating the Bakken
- Michael Holmes (Digital Formation, Denver, CO): Log Analysis in the Bakken – A Case Study
- Gary Gill (Schlumberger, Calgary, AB): Multilateral Completions and Whipstock Misalignments in the Williston Basin
- Tom Lantz (Halliburton, Denver, CO): Bakken Completion Practices

Short Course #2: Introduction to Mining the Internet: Free GIS Data / Low Cost Software for the Oil & Gas Professional

Date:.....**Saturday, September 24, 2005, 1 p.m. – 4 p.m.**
 Instructor:.....**David Bickerstaff (Bickerstaff Associates, Denver, CO)**
 Location:**Jackson Hole High School, Computer Lab 1507**
 Fee:**\$100 / \$125 after Sept. 1 (includes transportation from Snow King, notes, and afternoon snacks)**
 Limit:**25 persons**
 Sponsors:**Rocky Mountain PTTC and Nevada Petroleum Society**

This hands-on computer class is designed to introduce students to the vast amounts of free GIS and petroleum-related data available on the Internet. Participants will browse and download data including well spots, PLSS, water features, roads, DEMS, and topographic maps. Utilizing inexpensive (\$245) Manifold mapping software, students will load and display the data while discussing import/export and map projection options. A free 30 day trial version of Manifold software (<http://manifold.net>) is available.

Field Trips

Field Trip #1: Regressive versus Transgressive Systems: Processes and Geometries in the Upper Cretaceous Mesaverde Group

Date:.....**Wednesday, September 21, 2005, 5:00 p.m., through Friday, September 23, 2005, 6:00 p.m.**
 Leaders:**Randi Martinsen (University of Wyoming, Laramie, WY), Ron Steel (University of Texas, Austin, TX), Adam Van Holland (EnCana Oil & Gas (USA) Inc.), and Carolina Gomez (University of Texas, Austin, TX)**
 Fee:**\$425 / \$475 after Sept. 1 (includes transportation during field trip, three nights lodging based on double occupancy, refreshments, lunches and guidebook)**
 Limit:**25 persons**
 Sponsor:**RMS-AAPG**

Note: Field trip begins and ends in Rock Springs, Wyoming. Transportation from Rock Springs to Jackson is available at extra cost via Field Trip #2A.

The Upper Cretaceous Mesaverde Group of Wyoming and Colorado contains a significant tight gas sand and CBM resource. Numerous excellent exposures of the Mesaverde occur along the flanks of the Rocks Springs Uplift, Wyoming. Although the Mesaverde is a significant second order regressive-transgressive clastic wedge, formations within it display numerous higher order regressive-transgressive successions. Depositional processes and geometries between regressive and transgressive systems differ significantly. One day will be spent studying wave-dominated shoreface and incised valley deposits of the overall-regressive Rock Springs Formation. The second day will focus on overall transgressive standplain and incised valley deposits of the Almond Sandstone and estuarine deposits of the Rusty Member of the Ericson.

Field Trips - continued

Field Trip #2A: Geology of Rock Springs to Jackson Hole, Wyoming (with Jonah Field tour)

Date:.....Saturday, September 24, 2005, 7:30 a.m. - 4:00 p.m.
Leaders:.....Jim Steidtmann (University of Wyoming, Laramie, WY) and Randi Martinsen (University of Wyoming, Laramie, WY)
Fee:.....\$100 / \$125 after Sept. 1 (includes transportation from Rock Springs to Jackson, Wyoming, lunch and drinks)
Limit:.....25 persons (If you require transportation from Rock Springs to Jackson, this is the way to go. Sign up early to assure a place.)
Sponsor:.....RMS-AAPG

Note: Field trip provides optional transportation from Rock Springs to the Snow King Resort in Jackson, Wyoming following completion of Field Trip #1.

This field trip will take participants from Rock Springs to Jackson, Wyoming. The drive between Rock Springs and Jackson is quite scenic. Along the way we will stop at Jonah Field and get a tour and discussion of the field. Additional stops include an overview of the Wind River Range and stops and a discussion of structure and the sedimentary section in Hoback Canyon.

Field Trip #2B: Jonah Field Tour

Date:.....Saturday, September 24, 2005, 8:30 a.m. - 1:00 p.m.
Organizers:.....Debra Nishida and Brandy Butler (EnCana Oil & Gas (USA) Inc.) and Randi Martinsen (University of Wyoming, Laramie, WY)
Fee:.....\$50 / \$75 after Sept. 1 (includes transportation during tour and lunch)
Limit:.....35 persons (including participants of Field Trip #2A)
Sponsor:.....EnCana Oil & Gas (USA) Inc. (This trip is fully subsidized by EnCana. All proceeds from the trip go to RMS-AAPG.)

This field trip is a tour and discussion of Jonah Field, the largest producing gas field in Wyoming. Trip departs from and returns to the intersection of Highway 191 with the road to Jonah Field at milepost 67.

Field Trip #3: Overview of the Geology of Jackson Hole and the Teton Range

Date:.....Tuesday, September 27, 2005, 8:00 a.m. - 5:00 p.m.
Leaders:.....Dave Lageson (Montana State University, Bozeman, MT) and David Adams (University of Oregon, Eugene, OR)
Fee:.....\$25 / \$35 after Sept. 1 (includes lunch and printed materials)
Limit:.....25 persons
Sponsor:.....RMS-AAPG

Note: Participants will provide their own transportation in private vehicles, and are responsible for their own entry fee into Grand Teton National Park. Field trip departs from the Snow King Resort.

This one-day field trip will provide an opportunity to see the overall geologic framework of Jackson Hole and the Teton Range, from the Precambrian crust to the Laramide and Sevier ancestry of the region to the most recent phase of crustal extension. The origin of the Teton Range in the context of Yellowstone magmatism will also be discussed, as well as the history of Quaternary glaciation. For those new to the area, or for those wishing to reacquaint themselves with the spectacular geology of Jackson Hole, this field trip will provide an opportunity to learn the well established geologic history of the area in addition to some new theories and ideas.

Luncheons

All Convention Luncheon



Date: **Sunday, September 25, 2005, 11:45 a.m. – 1:15 p.m.**

Location: **Summit Two**

Fee: **\$25**

The All Convention Luncheon will feature Dr. Robert B. Smith, from the University of Utah's Seismology and Active Tectonics Research Group. Bob will speak on *The Yellowstone Hotspot: Its Plume Origin and Effect on Western U.S. Tectonics*. His current research projects include the study of the geodynamics and evolution of the Yellowstone host spot and caldera, seismicity and volcanic hazards of Yellowstone, operation of the Yellowstone seismograph network, and crustal deformation and earthquake hazards of the Wasatch and Teton faults using

GPS and fault modeling. Dr. Smith has been featured in the BBC Science television show *Supervolcano*, about the volcanic history of Yellowstone.

AAPG Divisions Luncheon

Date: **Monday, September 26, 2005, 11:45 a.m. – 1:15 p.m.**

Location: **Summit Two**

Fee: **\$25**

Representatives from all three AAPG Divisions will speak at the AAPG Divisions Luncheon. President Steven P. Tischer will represent the Division of Environmental Geosciences and President-Elect Rich Green the Division of Professional Affairs. Laura L. Wray, Rocky Mountain Section Councilor, will speak on behalf of the Energy Minerals Division. Their presentations will highlight the activities and initiatives of their respective Divisions, emphasizing developments in the Rocky Mountains.



Social Events

Welcoming Reception

Date: **Saturday, September 24, 2005, 5:30 p.m. – 7:00 p.m.**

Location: **Lobby/Poolside**

Admission: **By badge only**

After a day of travel, stop by the Snow King Resort for a warm welcome. Congregate around the heated pool and inviting lobby fireplace with your old friends and make new ones. Enjoy your favorite cocktails and hors d'oeuvres while trading stories about the latest Rocky Mountain plays and technologies.

Icebreaker

Date: **Sunday, September 25, 2005, 4:00 p.m. – 5:30 p.m.**

Location: **Exhibit Hall (Grand Room)**

Admission: **By badge only**

Join us at the Icebreaker Sunday afternoon in the Exhibit Hall. Browse through the exhibits while you enjoy your favorite cocktails and hors d'oeuvres. If you missed past colleagues and associates last night, you'll have a second chance this afternoon to catch up with your old acquaintances.

Your badge will gain you admittance to this event. Please note that children under the age of 13 will not be allowed into the exhibits area.

Social Events - continued

BBQ Dinner and Western Dance

Date:..... **Sunday, September 25, 2005, 6:30 p.m. – 9:30 p.m.**
 Location: **Lodge Room (in the Snow King Center, 200 yards west of the Hotel Lobby)**
 Fee: **\$40 (includes dinner and dance lessons)**

Join us in the Lodge Room, just across the Resort parking lot in the Snow King Center, for a BBQ dinner and western dance. Savor the western cuisine, including salads and Cole slaw, hearty BBQ'd pork ribs and tender chicken, corn on the cob, spicy ranch-style baked beans, cornbread and hot apple walnut cobbler. Then, grab your partner, kick up your heels, and be ready to work off those extra ribs you couldn't pass by. Instructors from the Jackson Dance Group will teach us the Western Swing (a.k.a. the 4-Count Swing) and the 2-Step. Afterwards, head to the Square and put your newly learnt talents to work on the Million Dollar Cowboy Bar's dance floor.

Guest Activities

Guest Hospitality Room

Paintbrush 153, Snow King Resort

Saturday, September 24..... 12:00 noon – 5:30 p.m.
Sunday, September 25..... 8:00 a.m. – 4:00 p.m.
Monday, September 26..... 8:00 a.m. – 5:00 p.m.

Please stop by the hospitality room for refreshments and information on exciting things-to-do in Jackson Hole. It's a great place to relax, catch up with old friends and make new ones.

Luncheon and Docent Tour of the National Museum of Wildlife Art

Date:..... **Sunday, September 25, 2005, 11:30 a.m. – 3:30 p.m.**
 Fee: **\$35**

Come join us for a delightful luncheon at the National Museum of Wildlife Art's Rising Sage Café, overlooking the National Elk Refuge and Gros Ventre Mountains. After lunch, we will be given a guided tour of the Museum – home to the nation's premier public collection of fine art devoted to wildlife.

The NMWA was founded in 1987 with a prestigious collection of wildlife art donated by Joffa and Bill Kerr. The current 51,000 square-foot facility, opened in 1994, blends into the rugged hillside with its irregular architectural lines and natural building materials. The NMWA houses 12 galleries, featuring artists such as John J. Audubon, Albert Bierstadt, Pablo Picasso, Carl Rungius, and Charlie Russell. Enjoy the Summer 2005 Exhibitions: "Wildlife Art for a New Century" and "GEORGIA O'KEEFFE: The Unexplainable Thing in Nature."

Tour of Grand Teton National Park

Date: **Monday, September 26, 2005, 9:00 a.m. – 3:00 p.m.**
 Fee: **\$80**

Experience the spectacular scenery of Grand Teton National Park and learn about the natural and human history, geology and wildlife of Jackson Hole. An experienced guide will take you to the wonders of the park. Possible destinations include Antelope Flats, Gros Ventre landslide, Menor's Ferry, Jenny Lake, Signal Mountain, and the collection of fine Native American art at Colter Bay. The private trip can be personalized to the interests of the participants. Price includes park entrance fee, box lunch, bottled water and snacks.

Snake River Float Trip through Grand Teton National Park

Date: **Monday, September 26, 2005, 9:15 a.m. – 2:30 p.m.**
 Fee: **\$80**

Beneath the towering peaks of the Teton Range, the Snake River threads its many channels through a landscape hardly touched by human hand. Sometimes swift, sometimes meandering, it sustains an environment rich with spruce and willows, beaver and moose, ospreys and eagles. Barker-Ewing's 10-mile scenic float trip in Grand Teton National Park, which began in 1963, allows you to experience the outstanding Teton scenery and glimpse the abundant wildlife from the Snake River. The trip runs from historic Dead Man's Bar, located just below the Snake River Overlook, to Moose Village, and takes 2½ to 3 hours. The comfortable and stable rafts are guided by professional boatmen, who will share their thorough knowledge of the natural history of Jackson Hole.

Accommodations

The 2005 Jackson Hole meeting will be held at the Snow King Resort in Jackson, Wyoming. The Snow King is located just nine blocks southeast of the Jackson Town Square, and offers hotel rooms and condominiums, full-service hotel amenities, and year-round recreational opportunities. A complimentary shuttle provides service to and from the Jackson Hole Airport, located 10 miles north of town. Their concierge staff can answer all your questions about Jackson Hole, suggesting favorite summer and autumn activities and even making reservations for your trips.

Individuals are responsible for making their own room reservations. Reservations can be made directly with the Resort by calling the hotel's toll-free reservation number, **800-522-5464**. Be sure to mention that you are attending the Rocky Mountain Section – AAPG meeting (code: AAPG). Sleeping room rates for

the meeting are: \$135/night for Single, \$145/night for Double, \$155/night for Triple, \$165/night for Quad. Condominiums are also available (outside of the meeting room-block) on a first-come-first-served basis. Rates are as follows: \$145/night for a Studio, \$150/night for 1-bedroom condo, \$170/night for a 2-bedroom condo, and \$195/night for a 3-bedroom condo.

Although Jackson offers a wide range of lodging choices, we strongly encourage you to consider staying at the Snow King Resort. An annual Section meeting incurs substantial costs, and meeting-room space is certainly a principal one. The discount off meeting-room expense is directly related to the size of our room block – the more people the Section has staying in the Snow King, the lower the cost. You can help out the RMS as well as its local affiliated societies by reserving a sleeping room at the Resort!

Airline Reservations

American, Delta/Skywest, Northwest, and United/United Express provide service to Jackson Hole Airport. Connections usually run through Salt Lake City or Denver. An option for getting to Jackson Hole is to fly into the Idaho Falls Airport in Idaho, just 90 miles away. Flights into Idaho Falls are provided by Skywest, Horizon, and Northwest, and can be considerably cheaper than flying into Jackson Hole. Driving time between Idaho Falls and

Jackson is about two hours. Additionally, there is a daily shuttle service available from Idaho Falls to Jackson. You may also choose to fly into Salt Lake City, and rent a car or take the daily shuttle. The drive between Jackson Hole and Salt Lake City takes about five hours. (For shuttle information, contact ALLTRANS, INC. Their web site is: www.jacksonholealltrans.com/jacksonholebus/.)

Jackson Hole Information

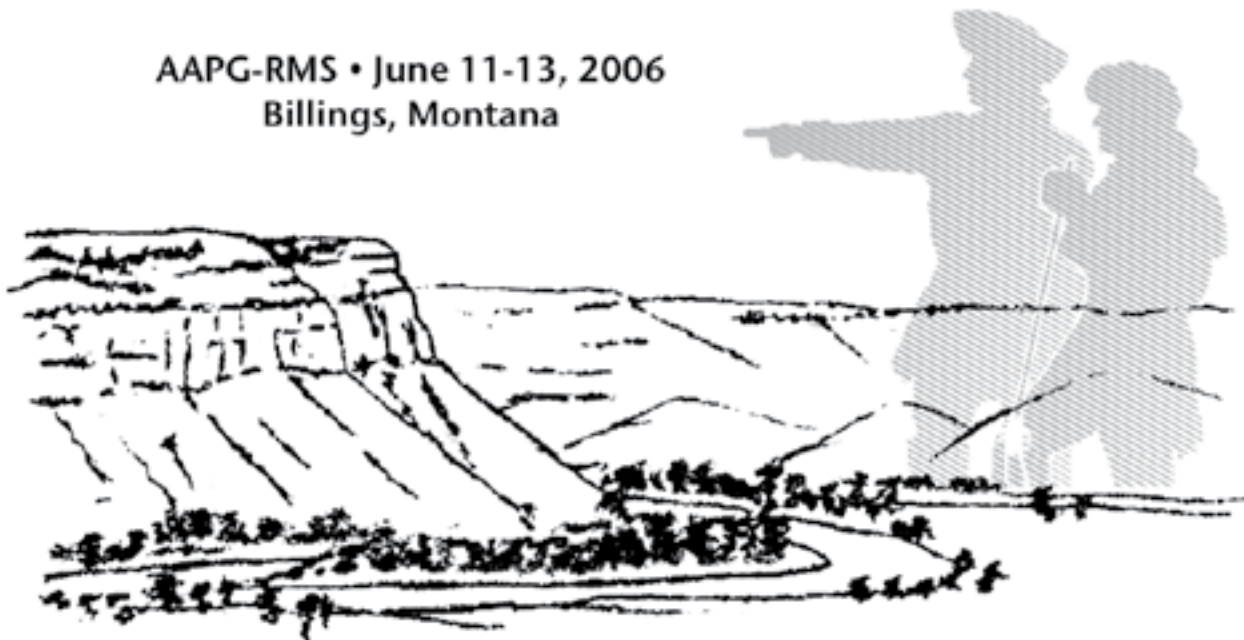
Jackson Hole is an outstanding travel destination. Opportunities for visitors abound! A great place to begin your exploration of things-to-do in the region is at the **Jackson Hole Chamber of Commerce's** web site (www.jacksonholechamber.com).

Be sure to download their 2005 Jackson Hole Explorer guide, an 84-page e-magazine chock full of advice and tips. Or contact the Chamber by phone (307-733-3316) or mail (PO Box 550, Jackson, WY 83001).



UNDAUNTED EXPLORATION OF THE ROCKIES

AAPG-RMS • June 11-13, 2006
Billings, Montana



Judges Needed!

Numerous awards are presented at the opening session of the Rocky Mountain Section Meeting for papers presented at the previous year's meeting. These include the A.I. Levorsen Award for the best paper, the Champlin Award for the best poster, and the Runge Award for the best student paper.

These awards are made as the result of scoring by volunteer judges and we urge you to participate. Just check the appropriate box on your registration form, and you will be contacted by the awards committee to determine your preferences for sessions you are interested in judging. Every effort will be made to place judges in the session(s) of their choice. All that is required is that you attend the complimentary breakfast on Sunday, observe the papers or posters in your session and turn in your score cards when you are done. You will have our thanks and the knowledge that you did your part in rewarding excellence.

Sponsorship for RMS-AAPG

Please consider supporting the RMS-AAPG by signing up as a *TCF*, *BCF*, *MMCF*, or *MCF* sponsor. Each level (from \$500 to \$10,000) carries tangible benefits for your organization. The sponsorship money will help defray the substantial cost of the meeting. Please call Margi Oldani Boissevain at 303-825-7400 or Bill Houston at 720-239-4367, Sponsorship Chairs, for ideas on how you can get your name out to the attendees while providing financial support to the Section.

Registration Form

2005 RMS-AAPG Jackson Hole Meeting September 24-26, 2005

Register Online: www.RMAG.org

AAPG Member No. _____ Exhibitor Speaker Poster Presenter

Name _____ Name Tag _____

Company or School _____ Email _____

Mailing Address _____ Fax Number _____

City _____ State _____ Zip _____ Day Phone _____

REGISTRATION (Fee Per Person) <i>REGISTER ONLY ONE PROFESSIONAL OR STUDENT PER FORM</i>	By Sept 1	After Sept 1	Enter Amount
Professional Member (AAPG, WGA, NPS, IAPG) Full Meeting	\$150	\$200	
Professional Member One Day (Specify Sunday or Monday)	\$85	\$110	
Professional Nonmember Full Meeting	\$200	\$250	
Professional Nonmember One Day (Specify Sunday or Monday)	\$115	\$140	
Student	\$30	\$30	
Guest (Guest Name for badge _____)	\$50	\$50	
Field Trip #1 (Regressive vs. Transgressive Systems, U.K. Mesaverde)	\$425	\$475	
Field Trip #2A (Geology of Rock Springs to Jackson, with Jonah Tour)	\$100	\$125	
Field Trip #2B (Jonah Field Tour)	\$50	\$75	
Field Trip #3 (Overview of the Geology of Jackson Hole & Teton Range)	\$25	\$35	
Short Course #1 (Bakken Play Essentials)	\$25	\$35	
Short Course #2 (Intro to Mining the Internet: GIS Data / Software)	\$100	\$125	
Luncheons/Social and Guest Events (Fee Per Person)		Number of Tickets	
All Convention Luncheon: Dr. Robert B. Smith, speaker (Sun, Sept 25)	\$25	X	=
AAPG Divisions Luncheon (Mon, Sept 26)	\$25	X	=
BBQ Dinner and Western Dancing (Sun, Sept 25)	\$40	X	=
Natl. Museum of Wildlife Art Luncheon and Tour (Sun, Sept 25)	\$35	X	=
Tour of Grand Teton National Park (Mon, Sept 26)	\$80	X	=
Snake River Float Trip (Mon, Sept 26)	\$80	X	=
TOTAL:			

For hotel information, please see "Accommodations" on pg. 19.

No cancellations accepted after September 1, 2005 Total Enclosed \$ _____

Payment: () Check payable to RMAG () Credit Card — **Visa and MasterCard only, no American Express**

Name On Card (Print) _____

Card Number _____ Exp. Date _____

Signature _____ Zip Code of Billing Address _____

Mail or FAX this form to: RMAG * 820 16th St., Ste 505 * Denver, CO 80202 * 303-573-8621 * Fax: 303-628-0546

For Online Registration: www.RMAG.org

If your online registration was accepted you will receive an email confirmation.

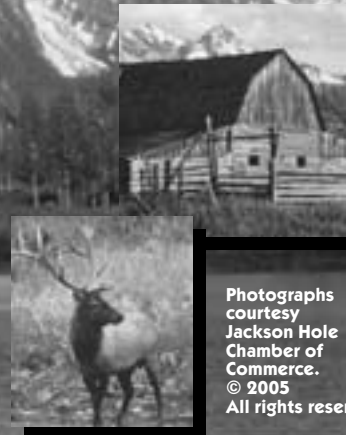
If not accepted contact the RMAG 303-573-8621

Would you consider being a Judge? Yes No

RMS-AAPG Jackson Hole Meeting

September 24-26, 2005
Snow King Resort ■ Jackson, Wyoming

Photograph © 2005 by Jerry Walker.. All rights reserved.



Photographs
courtesy
Jackson Hole
Chamber of
Commerce.
© 2005
All rights reserved.

Technical Sessions

- Mega-Session: Increasing the Supply of Rocky Mountain Natural Gas
 - The Role of CBM
 - Economic and Technologic Aspects
 - Geologic Aspects
- Advanced Technologies for Exploration and Production
- Exploration Challenges of the Great Basin and Utah Hingeline
- Geologic Developments in the Rockies
- Reservoir Models and Case Studies
- Resource Plays
- General Poster Sessions

Short Courses

- Introduction to Mining the Internet: Free GIS Data /Low Cost Software for the Oil and Gas Professional
- Middle Bakken Play Essentials

Field Trips

- Regressive versus Transgressive Systems: Processes and Geometries
- Geology from Rock Springs to Jackson, with Jonah Field tour
- Overview of the Geology of Jackson Hole and the Teton Range

Highlights

- Environmental Forum on Federal Land Use Planning
- All Convention Luncheon
- AAPG Divisions Luncheon

Social and Guest Activities

- Welcoming Reception
- Icebreaker
- BBQ Dinner and Western Dancing
- Luncheon and Docent Tour of the National Museum of Wildlife Art
- Tour of Grand Teton National Park
- Snake River Float Trip

**Rocky Mountain
Rendezvous**
RISING TO THE CHALLENGE



Our meeting conveniently follows the ninth annual Wyoming Natural Gas Fair, at the Snow King Resort on September 22-23. Double your pleasure, and take in two great meetings in one spectacular locale!

Contact Information: <http://www.wyogeo.org>

Jerry Walker. General Co-Chair. 775-348-0650. Jerry@petrol-geol.reno.nv.us
Sandra Mark. General Co-Chair. 303-273-3107. smark.95@alum.mines.edu
Lyn George. Technical Program Chair. 307-265-6338. lgeorge@trib.com

**The Rocky Mountain Section
of the American Association of Petroleum Geologists
expresses its profound thanks to**

BP

and

Shell Exploration

&

Production Company

– our premier TCF sponsors –

**whose generous contributions
will help immeasurably to make
the 2005 RMS-AAPG Jackson Hole meeting
a remarkable success.**



2005 RMS-AAPG Conference
Wyoming Geological Association
PO Box 545
Casper, Wyoming 82602
Website: wyogeo.org

Non-Profit Org
U.S. Postage
PAID
Permit No.