



# MGS

Montana Geological Society

**June 2007**

## **Summer Announcements**

### **MBMG Releases CBM Water Study**

The Montana Bureau of Mines and Geology is preparing to release Report of Investigation 17, "CBM-Produced Water Disposal by Injection, Powder River Basin, Montana" by David A. Lopez and Leo A. Heath. This report, identifying potential zones for coalbed-methane water injection in the Powder River Basin, will be available in hard-copy only, at a cost of \$30. Copies will be released on May 24th.

### **June 15-17**

Karen Porter and  
Jennie Ridgley  
Marine Cretaceous  
Field Trip

### **June 22**

MGS Friday afternoon  
talk, Shane Mogensen  
Aconcagua and Kili-  
manjaro, 4:30, Billings  
Petroleum Club

### **July 9-10**

David Lopez and  
Steve VanDelinder,  
Tensleep Sandstone  
Field Trip

### **Friday July 13**

MGS-MAPL  
Golf Tournament  
Laurel Golf Course

### **MGS HOME PAGE:**

[www.montanags.org](http://www.montanags.org)

### **MGS EMAIL:**

[mgs@wtp.net](mailto:mgs@wtp.net)

### **Pennsylvanian Tensleep Sandstone Play in south-central Montana, part of the Northern Rockies Permian-Pennsylvanian Petroleum System**

Date: Presentation of Research results: July 9, 7:00 PM- 9:00 PM, Crowne Plaza, Tempest Room, 3<sup>rd</sup> Floor (**number of participants not limited**)

Tensleep Sandstone Field Trip: July 10, 8:00 AM, depart from Holiday Inn Parking lot. **Limited to 30 participants.**

Leaders: David Lopez (MT Bureau of Mines and Geology, Billings, MT), and Steve VanDelinder (Ballard Petroleum Holdings, Billings, MT)

Sponsor: Costs are paid by a grant from the US Dept of Energy

*Field trip begins and ends at the Holiday Inn Convention Center, Billings, MT*

This is the same field trip presented for the RMS/AAPG convention June, 2006. The stratigraphy and sedimentology of one of the most important sandstone oil reservoirs in the northern Bighorn and Powder River Basins, the Tensleep Sandstone, is the focus of this field trip. The Tensleep Sandstone was deposited by the interplay of eolian, near-shore marine, and sabkha processes. Repeated depositional cycles produced by these environments are well exposed and will be examined in Bear Canyon and in Dryhead Canyon. Dryhead Canyon has excellent continuous outcrops for about 8 miles. Lunch will be catered by the Shively/Dryhead Ranch, a working "dude" ranch.

**Registration form for this field trip is on page 4.**

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## **MGS-MAPL Gary Kabeary Golf Tournament**

The Annual Gary Kabeary Memorial Golf Tournament is scheduled for **July 13<sup>th</sup>** at the Laurel Golf Course. Shotgun start will be at 1:00 p.m. Contact Keven Reinschmidt at Ballard Petroleum to sign up 259-8790 or Email Keven at kreinschmidt@ballardpetroleum.com



## **2007 Field Conference and Guidebook**

The theme of the 2007 WGA Field Conference to be held August 2-5 will be "The Powder River Basin: From the Margins Looking In". The technical session will be held on Thursday, August 2, at the Parkway Plaza in Casper. Following the technical session, a field trip on August 3 - 5 will circle the basin with excursions to the interior. A guidebook will include papers both specific to the conference and relevant to understanding Wyoming geology.

### **Call for Conference Presentations**

The WGA is soliciting presentations on subjects relevant to the conference topic. These presentations are expected to be 20 minutes in length with a question and answer period to follow. The deadline for abstracts is June 29, 2007.

Abstracts should be e-mailed to:  
laurie.fletcher@jhu.edu, phone (307) 259-5721

### **Call for Guidebook Papers**

In conjunction with the Field Conference, WGA will publish a guidebook, "Wyoming Geology" and welcomes submissions on subjects preferably, but not necessarily, consistent with the theme of the Field Conference. The deadline for submission is March 1, 2007.

Abstracts should be e-mailed to:  
jlawlor@gga-inc.com, phone (307) 265-9199

# MGS Summer Announcements pg. 3

## **MGS Friday Afternoon Talk**

Shane Mogensen from Nance Petroleum will present his talk entitled **“Aconcagua and Kilimanjaro: One Man’s Adventures to the Summit of Two Continents”**.

The talk will combine discussion of the geology of these two great mountains as well as the adventure of traveling to Africa and South America to climb their summits.

June 22, 4:30 p.m. Billings Petroleum Club Free Beer and Food

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# Registration Form Montana Geological Society

## Tensleep Field Trip

### “Pennsylvanian Tensleep Formation in the Northern Bighorn Basin, Montana” July 9 (Monday) and 10 (Tuesday)

**Trip Leaders:** David Lopez, Montana Bureau of Mines and Geology;  
Steve VanDelinder, Ballard Petroleum.

This will be a one-day trip (July 10), with a two-hour presentation (w/ refreshments) at the Crowne Plaza Hotel the night before.

NAME \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

I plan to attend the Monday evening presentation at the Crowne Plaza Hotel:

**YES      NO**

(We need this information to plan refreshments)

PLEASE RETURN THIS FORM TO - **“TENSLEEP FIELD TRIP”  
Montana Geological Society  
P.O. Box 844  
Billings, MT 59103**



# W.G.A. 2007 Field Conference August 1 -5, 2007

**Parkway Plaza Hotel, Casper Wyoming**

The theme of this year's WGA field conference is "The Powder River Basin – From the Margins Looking In". Conference presentations will include a broad range of subjects from accurate mapping of the basin to examinations of the area's environments and major industries. We will be examining the Minnelusa/Muddy formation oil and gas occurrences plus additional outcrops in the Black Hills. Field trips will circle the basin with excursions to the interior. Stops will include but are not limited to ISL (in-situ leaching) operations at the Smith Ranch Uranium Mine, surface facilities at the Homestake Mine, a tour of the Black Thunder Coal Mine near Gillette and a visit to the Hot Springs Mammoth Site.

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## REGISTRATION FORM

Name: \_\_\_\_\_  
Company: \_\_\_\_\_ Email: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Day Phone: \_\_\_\_\_  
Any special needs, dietary or ambulatory please note here: \_\_\_\_\_

	<b>Member</b>	<b>Non-Member</b>
____ Technical Session, Aug. 2 (Includes ice breaker on evening of Aug. 1; continental breakfast and lunch on Aug. 2)	____ \$125	____ \$175
____ Field Trip, Black Hills, Aug. 3-5 (Limited to 40 participants)	____ \$250	____ \$300
____ 2007 Guidebook "Topics in Wyoming Geology" (Prepublication price)	____ \$65	____ \$100
____ 2007 Guidebook tax; WY residents 5%	____ \$4.25	____ \$4.75
____ Non-members: join WGA and save (2007 membership)	____ \$35	
<b>Totals</b>	<b>\$ _____</b>	<b>\$ _____</b>

Payment Info: MC/Visa \_\_\_\_\_ Expiration: \_\_\_\_\_  
Check # \_\_\_\_\_

**Mail, Fax or Email this registration form to:**  
**Wyoming Geological Association (info@wyogeo.org)**  
**P.O. Box 545, Casper, WY 82602 (307) 237-0027, Fax (307) 234-4048**  
A block of rooms has been reserved at the Parkway Plaza for \$55+tax  
Reservations can be made by calling the Parkway at (307) 235-1777