



April 6-7, 2010  
Golden, Colorado

**RPSEA UNCONVENTIONAL GAS  
CONFERENCE 2010: TECHNOLOGICAL  
KEYS TO UNLOCKING ADDITIONAL  
RESERVES**



RPSEA is pleased to announce: **RPSEA UNCONVENTIONAL GAS CONFERENCE 2010: TECHNOLOGICAL KEYS TO UNLOCKING ADDITIONAL RESERVES** – a conference to disseminate results from the RPSEA Unconventional Gas Research Program. The event will take place April 6-7 in Golden, Colorado.

RPSEA has an active research program with a current portfolio of 28 projects all targeting development of unconventional gas in the U.S. including activities in coalbed methane, tight gas formations, and shale gas. Unconventional gas currently represents almost one-half the domestic production in the U.S.

This conference offers an ideal opportunity to hear the latest perspectives and exchange ideas with industry experts.

**Tuesday,  
April 6**

Research Results to be Highlighted Include:

- Utah Gas Shale Potential
- Understanding Piceance Basin Tight Sands – Mamm Creek Field Example
- New Albany Shale Potential

***Keynote Speaker: Tom Sheffield, Vice President,  
Pioneer Natural Resources***

**Wednesday,  
April 7**

- The Latest in Well Stimulation
- Produced Water Handling
- Re-fracturing of Low Permeability Wells
- Low k Field Development and Optimization

**See Agenda for Full Lineup of Technology to be Reviewed**

There is a **\$50 registration fee** for RPSEA Members (**\$75 Non-Members**) to help offset cost of the meeting.



## Agenda

### **RPSEA UNCONVENTIONAL GAS CONFERENCE 2010: *TECHNOLOGICAL KEYS TO UNLOCKING ADDITIONAL RESERVES***

**April 6-7, 2010  
Denver Marriott West  
Golden, CO**

#### **Meeting Location:**

Denver Marriott West  
1717 Denver West Boulevard  
Golden, CO 80401  
303-279-9100

Special Meeting Rate = \$130 per night. Please make reservations by March 12<sup>th</sup>, 2010.

#### **Day One Agenda – Tuesday, April 6th**

#### **Tuesday, April 6<sup>th</sup>**

7:00 a.m. – 8:00 a.m.	Continental Breakfast	
8:00 a.m.	Welcome	Mike Ming-RPSEA
8:00 a.m. – 8:30 a.m.	Introductions – Meeting Overview –Agenda	Kent Perry-RPSEA

#### **Session #1– Shale Gas Resources**

8:30-9:00	Paleozoic Shale Gas Resources	Tom Chidsey-Utah Geo Survey
9:00-9:30	Geologic Foundation for Diverse Shales	Dr. Pashin-Alabama Geo Survey
9:30-10:00	New Albany Shale Gas Geology	Dr. Gale - BEG

#### **10:00-10:15 Break**

10:15- 10:45	New Albany Shale Engineering	Iraj Salehi - GTI
10:45-11:15	High Resolution Imaging for Gas Shales	Dr. Silin-LBNL
11:15-11:30	Discussion	

#### **Session #2 – Tight Gas Sands**

11:30-12:00	Gas Production Forecasting-Tight Gas Sands	Dr. Deo- U of Utah
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12:00-1:00 **Lunch**

**1:00-1:45 p.m. Keynote Speaker Tom Sheffield, VP, Pioneer Natural Resources**

1:45-2:45 Reservoir Connectivity, Mamm Creek

- Project overview (5 min)- Dr. Nummedal, CSM
- Mamm Creek reservoir – Geostatic modeling (25 min) – Dr. Pranter, CU Boulder, and Dr. Michelena, iReservoir
- Identification and role of anisotropy in tight gas sandstones (15 min) – Dr. Tsvankin, CSM
- Stratigraphic controls on tight-gas sandstones (15 min) – Dr. Aschoff

**2:45-3:00 Break**

3:00-3:30 Optimizing Wamsutter Well Locations Dr. Kelkar- U of Tulsa

### **Session #3 Cross Cutting Unconventional Gas Technologies**

3:30-4:00 p.m. Novel Fluids for Productivity Enhancement Dr. Mahadevan - U of Tulsa  
4:00-4:30 Fracturing w/Light Weight Proppant Dr. Mohanty- U of Texas  
4:30-5:00 Hydraulic Fracturing - Tight Gas Reservoirs Dr. Hill – Texas A&M  
5:00-5:15 Discussion  
5:15 Adjourn for Day

**5:30-7:00 p.m. Reception at the Hotel**

### **Day Two Agenda – Wednesday, April 7th**

7:00 a.m. – 8:00 a.m. Continental Breakfast All  
8:00 a.m. - 8:15a.m. Agenda Overview Kent Perry-RPSEA

### **Session #3 Continued - Cross Cutting Unconventional Gas Technologies**

8:15-8:45 Optimizing Unconventional Gas Development Dr. Bickel-U of Texas  
8:45-9:15 Re-fracturing of Tight and Gas Shale Wells Dr. Sharma-U of Texas  
9:15-9:45 Gas Composition and Migration Pathways Dr. Harris- Colo. Mines

**9:45-10:00 Break**

10:00- 10:30 Environmentally Friendly Drilling System Dr. Haut - HARC  
10:30-11:00 Gas Condensate and Tight Gas Sands Dr. Horne-Stanford  
11:00-11:30 Expert System for Low Perm Reservoirs Dr. Moridis-LBNL

11:30-12:00  
12:00-12:15

Produced Water Research Projects  
Discussion and Wrap-up

Dr. Hayes - GTI

12:15-1:15 p.m.

**Lunch and Adjourn**

**RPSEA Unconventional Gas Project Advisor Committee Meeting**  
**Attended by Unconventional Project Advisors Only**

1:15-1:45

PAC Update Items and Agenda

1:45-2:45

Research Project Discussion

2:45-3:45

Planning for Next Research Solicitation

3:45-4:30

Discussion of 2011 RPSEA R&D Plan  
Next Steps and Adjourn