

## Tuesday, 18 March 2008

7:00-8:00 a.m. Registration and Continental Breakfast

8:00-8:30 a.m. **Chairman Introduction**  
Javad Paktinat, Universal Well Services

**Opening Keynote**  
Ray Walker, Range Resources

### 8:30-10:00 a.m. **SESSION I: UNDERSTANDING THE GEOLOGY OF SHALE RESERVOIRS**

Session Chairs: John Martin, NYSERDA  
Roberto Suarez-Rivera, TerraTek

**Presentation 1: Geological Overview of Appalachian Shale Plays**  
Presenter: Dan Billman, Billman Geologic Consultants

**Presentation 2: Impact of Shale Mineralogy**  
Presenter: Matt Blauch, Halliburton

**Presentation 3: Geologic and Petrologic Shale Classification Scheme**  
Presenter: Mary Milner, TerraTek

10:00-10:30 a.m. Coffee Break

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### 10:30 a.m.-12:00 p.m. **SESSION II: UNDERSTANDING THE PETROPHYSICS OF SHALE RESERVOIRS**

Session Chair: Kevin Mauth, Schlumberger

**Presentation 1: Geochemical Constraints on Successful Stimulation of Shale Resource Plays: A Comparison**  
Presenter: Daniel Jarvie, Worldwide Geochemistry

**Presentation 2: Shale Gas Evaluation Techniques: Data Integration with Completion Design**  
Presenter: Keith Bartenhagen, Schlumberger

**Presentation 3: Multidimensional Log Analysis and Core-Log Integration for the Mechanical and Petrophysical Evaluation of Tight Gas Reservoirs**  
Presenter: David Handwerger, TerraTek

12:00-1:30 p.m. Lunch

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### 1:30-3:00 p.m. **SESSION III: TREATMENT OPTIMIZATION**

Session Chairs: Jack Bergeron, Southwestern Energy Company  
Dave Cramer, ConocoPhillips

## **Presentation 1: The Evolution of Well Stimulation in Horizontal Shale Gas Wells**

Presenter: Jon Sheldon, Equitable Production Company

## **Presentation 2: Stage Spacing**

Presenter: Jennifer McCarthy, Alta Resources

## **Presentation 3: Open-Hole Packer Versus Conventional Cemented Completions**

Presenter: Tom Alexander, Southwestern Energy Company

3:00-3:30 p.m.

Coffee Break

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3:30-5:00 p.m.

## **SESSION IV: RESOURCE MODELING**

Session Chairs: Daniel Jarvie, Worldwide Geochemistry

Kirby Walker, Data and Consulting Services, Schlumberger

## **Presentation 1: Arkoma Basin Geochemistry Modeling**

Presenter: Harris Cander, BP

## **Presentation 2: Appalachian Basin Geochemistry**

Presenter: Jackie Reed, GeoMark Research

## **Presentation 3: Hydraulic Fractures: How Many, How Big, and Where – It's Time to Listen to the Reservoir**

Presenter: Chuck Boyer, Schlumberger

5:00-7:00 p.m.

Reception

## **Wednesday, 19 March**

7:00-8:00 a.m.

Continental Breakfast

8:00-10:00 a.m.

## **SESSION V: FRACTURING FLUID**

Session Chairs: Larry Buchanan, PetroEdge Resources

Roger Myers, BJ Services

## **Presentation 1: Stimulation Fluids: Challenges Driving Technology**

Presenter: Bryce Yeager, Halliburton

## **Presentation 2: Flowback Methods**

Presenter: Jim Crafton, Performance Sciences

## **Presentation 3: Lift Systems in Use for Large Volume Frac Recovery**

Presenter: Fred Anderson, Weatherford

## **Presentation 4: Recycling and Reuse**

Presenter: Gene Brock, BJ Services

10:00-10:30 a.m.

**Coffee Break**

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10:30 a.m.-12:00 p.m.

## **SESSION VI: PROPPANT SELECTION**

Session Chairs: Steve Snyder, Halliburton

David Schlosser, Equitable Resources

## **Presentation 1: Fracture Conductivity for Shales**

Presenter: Erik Petre, Halliburton

## **Presentation 2: Proppant Transport and Implications on Shale Stimulations**

Presenter: Mike Vincent, Insight Consulting/Carbo Ceramics

**Presentation 3: Value Based Proppant Selection**

Presenter: Tim Stephens, Saint-Gobain Proppants

12:00-1:00 p.m.

**Lunch**

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1:00-2:30 p.m.

**SESSION VII: FUTURE CHALLENGES**

Session Chairs: George Koperna, Advanced Resources International  
Len Paugh, Range Resources

**Presentation 1: Technology and Resources – What We Need**

Presenter: Ray Walker, Range Resources

**Presentation 2: The Future of Open Hole Horizontal Multi-Stage Completions**

Presenter: Rocky Seale, Packers Plus

**Presentation 3: Pushing the Limit of Microseismic Monitoring for Shale Gas Stimulations**

Presenter: Norm Warpinski, Pinnacle Technologies

2:30-3:00 p.m.

**Coffee Break**

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3:00-4:30 p.m.

**SESSION VIII: PANEL DISCUSSION**

Session Chair: Glenn Penny, CESI Chemical – A Flotek Industries Company

Panelists: George Koperna, Advanced Resources International  
Glenn Penny, CESI Chemical – A Flotek Industries Company  
Dan Gunderson, BJ Services  
Tim Clawson, Antero Resources  
Tom Alexander, Southwestern Energy Company

4:30-4:45 p.m.

**Closing Comments**

Javad Paktinat, Universal Well Services