



OKLAHOMA GEOLOGICAL SURVEY

The University of Oklahoma
MEWBOURNE COLLEGE OF EARTH & ENERGY

SHALES MOVING FORWARD

Moore Norman Technology Center
Norman, Oklahoma

July 21, 2011

AGENDA

Please note: Discussion of presentations may cause minor shifts in scheduling.

9:00 a.m. Welcome and Introduction **Randy Keller**
*University of Oklahoma (OU) Mewbourne College of Earth & Energy
Oklahoma Geological Survey*

**9:15 a.m. Transformative Technology Impacting Traditional Energy
Systems** **Michael Ming**
Oklahoma Secretary of Energy

9:45 a.m. Haynesville Shale Next Steps—One Operator's Perspective **Richard Newhart**
Encana Oil & Gas (USA), Inc.

10:15 a.m. Break
*Posters available for viewing
OGS publications available*

**10:45 a.m. Lithostratigraphy of the Woodford Shale, Anadarko Basin,
West-Central Oklahoma** **Craig Caldwell**
Cimarex Energy Co.

11:15 a.m. Exploration/Appraisal of Shales **Rick Lewis**
Schlumberger

11:45 a.m. Lunch
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1:00 p.m. Let's Put Engineering Back into Fracture Stimulation!
Neil Stegent
Pinnacle

1:30 p.m. Microseismic Frac Mapping: Beyond the Dots from an Engineering Perspective
Jeff Noe
MicroSeismic, Inc.

2:00 p.m. Break
Posters available for viewing
OGS publications available

2:30 p.m. Investigating the Microstructure of Gas Shales by FIB/SEM Tomography & Stem Imaging
Mark Curtis
OU Mewbourne School of Petroleum & Geological Engineering

3:00 p.m. Hydraulic Fractures, Acoustic Emissions and Shearing
Carl Sondergeld
OU Mewbourne School of Petroleum & Geological Engineering

3:30 p.m. End of meeting
OGS publications available