Monday, 3 June 2013

➤ Morning Session: Case Studies - Current State of The Art

Session Chairman: Henri Houllevigue and Jing Du

8:15–9:00.............. Welcome & Safety Briefing

9:00–9:30.............. KEYNOTE: Geophysics and Petrophysics Data Related to Completion Design Pierre Collee (Halliburton)

9:30–10:00............ Comparison of Conventional and Multi-Component 3D Seismic for Shale Characterization in the Marcellus Formation of Bradford County, PA Low Bell (Geokinetics)

10:00–10:30........... Understanding the Stimulated Reservoir Volume from Hydraulic Fracturing through Modeling and Validation of Microseismic Response Sudipta Sarker (Chevron Energy Technology Company)

10:30–11:00........... Integrating Microseismic, Gamma Ray and Resistivity Logs to Identify Subsurface Faults: Niobrara Shale, Converse County, Wyoming John Detring (MicroSeismic Inc.)

11:00–11:30........... Coffee Break

11:30–12:00........... Poster Session: Integrating Surface Seismic, Microseismic and Rock Properties in the Haynsville Shale Gabino Castillo (Hampson-Russell)

12:00–12:15........... Lunch, Sternwheeler Room

➤ Afternoon Session: Anisotropy in Various Scales

Session Chairman: Azra Tutuncu and Jing Du

8:30–9:00.............. Use of Sonic and Seismic Anisotropy to Characterize Resource Shales Colin Sayers (Schlumberger)

9:00–9:30.............. The Use of Borehole Sonic Data for Estimating Polar Anisotropy Parameters in Unconventional Resources: Applications and Limitations John Walsh (Schlumberger)

9:30–10:00............ Challenges in Shale-reservoir Characterization Nirajan Bank (Schlumberger-WesternGeco)

10:00–10:30........... Ultrasoanic Modelling of a “Microseismic” with Three Component Receivers, from Laboratory to Field Energy Chestowski (University of Houston)

10:30–10:35........... Coffee Break

10:35–11:05........... Poster Session: Integrating Surface Seismic, Microseismic and Rock Properties in the Haynsville Shale Gabino Castillo (Hampson-Russell)

11:15–12:15........... Lunch, Sternwheeler Room

➤ Afternoon Session: Seismic Characterization of Unconventional Reservoirs

Session Chairman: Yongyi Li and Angelika-Maia Wulff

13:15–13:35........... Advanced Imaging and Inversion for Oil Production Estimates in Unconventional Reservoir Plays Greg Johnson (WesternGeco)


13:55–14:15........... The Advantages of 3D Seismic in Marcellus Exploration and Development Jianyi Yang (Sencsa Resources)

14:15–14:20........... Coffee Break

14:20–14:50........... Reservoir Prediction Using Seismic Frequency Attribute of Shale Gas Yonghan Ji (China University of Petroleum)

14:50–15:20........... Application of Advanced Seismic imaging and AVO Versus Azimuth Simultaneous Inversion for Unconventional Resource Plays Paul Miller (Schlumberger)


15:50–16:15........... Discussion

Tuesday, 4 June 2013

➤ Morning Session: Anisotropy in Various Scales

Session Chairman: Azra Tutuncu and Jing Du

8:30–8:50.............. Use of Sonic and Seismic Anisotropy to Characterize Resource Shales Colin Sayers (Schlumberger)

8:50–9:10.............. The Use of Borehole Sonic Data for Estimating Polar Anisotropy Parameters in Unconventional Resources: Applications and Limitations John Walsh (Schlumberger)

9:10–9:30.............. Challenges in Shale-reservoir Characterization Nirajan Bank (Schlumberger-WesternGeco)

9:30–9:50.............. Poster Session: Integrating Surface Seismic, Microseismic and Rock Properties in the Haynsville Shale Gabino Castillo (Hampson-Russell)

9:50–10:15........... Coffee Break

10:15–10:35........... Poster Session: Integrating Surface Seismic, Microseismic and Rock Properties in the Haynsville Shale Gabino Castillo (Hampson-Russell)

10:35–11:05........... Poster Session: Integrating Surface Seismic, Microseismic and Rock Properties in the Haynsville Shale Gabino Castillo (Hampson-Russell)

11:05–11:30........... Lunch, Sternwheeler Room

➤ Afternoon Session: New Technologies for Unconventional Resources

Session Chairman: Jing Du

13:15–13:45........... CRP Reflection Imaging Using Microseismic Sources Recorded by Dense Surface Arrays Larry Brown (Carnell University)

13:45–14:15........... Integration of 2D Seismic with Multiple Geophysical Measurements to Better Understand Structural Complexity in the Marcellus and Utica Shales Neil Dyer (ArielX)

14:15–14:45........... Native Permeability Detection, Enhancement, and Management for Non-Conventional Resource Peter Main (University of Auckland)

14:45–15:05........... Coffee Break

15:05–15:35........... Using Low Frequency Electromagnetic Technology to Map Hydraulic Fractures in Unconventional Resources Jinping Chen (Schlumberger-EMI Technology Center)

15:35–16:05........... Applications of Satellite and Aerial Imagery in Shale Plays Bob Brook (Spatial Energy)

16:05–16:35........... Continuous Seismic Time Lapse at the Water Resources at Al Wasa Water Pumping Field in Saudi Arabia Using Seismic ACROSS SOURCE for EOR and CCS Application Juntaro Kashiwara (Tokyo University of Marine Science and Technology)

16:35–17:05........... Imaging the Eagle Ford at 140 Hz with Acoustic Zoom-a Novel Diffusion Accentuating Beam Steering Methodology Jacques Yves Guigne (Acoustic Zoom Inc)

17:05–17:35........... Discussion

17:35–18:00........... Closing Remarks

Wednesday, 5 June 2013

➤ Morning Session: Advancements in Microseismic and Geomechanical Monitoring Toward Environmental Sustainability

Session Chairman: Azra Tutuncu and Henri Houllevigue

8:30–9:00.............. KEYNOTE: Geomechanical and Environmental Challenges in Hydraulic Fracturing of Unconventional Resources Azra Tutuncu (Colorado School of Mines)

9:00–9:30.............. Uncertainty in Surface Microseismic Monitoring Mike Nwalur (MicroSeismic Inc.)

9:30–10:00............ Virtual Receivers to Aid in Microseismic Event Locations Frank Horowitz (Cornell University)

10:00–10:30........... Laboratory Hydraulic Fracture Characterization Using Acoustic Emission Jesse Hampton (Halliburton)

10:30–10:35........... Coffee Break

10:35–11:05........... Comparison of Fracture Failure Planes in the Marcellus and Utica Shales Mary Ellsin (MicroSeismic Inc.)

11:05–11:30........... Cordova Microseismic and Integrated Interpretation Brad Dyck (Penn West Exploration)

11:30–11:50........... Critical Geomechanics in Unconventional Developments: Understanding Microseismicity and Determining Key Drivers Nafiz Nagel (Itasca Houston)

11:50–12:15........... Discussion

12:15–12:30........... Lunch on own