

The 2nd ARMA Hydraulic Fracturing Workshop Agenda

June 25, 2017. San Francisco, CA, USA

8:00 – 8:15 Opening Mark: HFC Updates

8:15 – 10:15 Lab and Field Session - 1

Chair: Tom Doe, Bill Carey

1. Bezalel Haimson (University of Wisconsin-Madison): HF for In-Situ Stress Measurements
2. Curtis Oldenburg (Lawrence Berkeley National Lab): HF in a deep mine: highlights from the KISMET project
3. Tom Doe (Golder Associates): Heterogeneity and topography in HF stress measurements
4. Romain Prioul (Schlumberger): Lab experiments to validate HF simulator
5. Ahmad Ghassemi (University of Oklahoma): Experimental Studies of Geothermal Stimulation by HF
6. Bruno Goncalves (New Jersey Institute of Technology): HF monitoring with image and acoustic emission

10:15 – 10:30 Coffee Break

10:30 – 12:30 Lab and Field Session - 2

Chair: Tom Doe, Bill Carey

7. Andrew Bungler (University of Pittsburgh): Rock breakage mechanism promoting multiple HFs
8. Jeffrey Burghardt (Pacific Northwest National Lab): HF initiation and propagation in heterogeneous rock
9. Murtadha Al Tammar (University of Texas): Pore pressure effect on HF growth
10. Diana Gomez Rodriguez (University of Waterloo): Cohesion and toughness in a transparent rock analogue
11. Bill Carey (Los Alamos National Lab): Fracture permeability and evolution in Marcellus shale
12. Hamid Pourpak (Total): Vaca Muerta case study

12:30 – 13:30 Lunch Break

13:30 – 15:15 Model Benchmark Session – Cases 1-6

Chair: Mukul Sharma, Sau-Wai Wong

15:15 – 15:30 Coffee Break

15:30 – 16:45 Model Benchmark Session – Case 7

Chair: Mukul Sharma, Sau-Wai Wong

16:45 – 17:00 Conclusions