

Reservoir Monitoring Consortium

2015 Annual Review Meeting

Ronald Tudor Hall (RTH) Room- 325

December 8, 2015

8:00-8:15	Registration-Breakfast	
8:15-8:45	An Update on Reservoir Monitoring Consortium (RMC)	Fred Aminzadeh
8:45– 9:15	Rock Physics modeling to validate reservoir monitoring	Yesser HajNasser,
9:15 – 9:45	An update on the Analysis of In-Situ Stress in Hydraulic Fracturing	Ahmed Bubsheit (Aramco-USC)
9:45-10:15	The CO₂-EOR Pilot in Texas	Arne Graue, University of Bergen, Norway
10:15 – 10:30	Coffee Break	
10:30 –10:55	Wellbore Monitoring for Kick Detection and Plans for Field Testing in a Saudi Aramco Field	Kelly Rose, NETL Hazza Otaibi , Aramco
10:55 -11:20	The role of drilling in reservoir monitoring, and the recent progress on real-time kick detection	Gerhard Thonhauser and Michael Prohaska university of Leoben, Austria
11:20- 11:45	Early Time Analysis of Hydraulic Fracturing Using Extended Finite Element Method	Arman K. Nejad, (USC-FracGeo))
11:45- 12:10	Assessing larger scale reservoir heterogeneity and permeability structure based on well flow rate cross-correlations	Thomas Goebel, University of California, Santa Cruz-USC
12:10 – 1:00	Lunch	

1:00 – 1:30	Applications of Distributed Acoustic Sensing (DAS) for Time Lapse Reservoir Characterization	Andres Chavarria (Optasense)
1:30 – 2:00	An Overview of Life of Field SEG SEAM Project	Bill Barkhouse , SEG (formerly Exxon Mobil) Leon Thomsen , Delta Geophysics (formerly, BP)
2:00 – 2:30	A Geomechanical Approach for Microseismic Fracture Mapping: High Performance Computing Capabilities	Mehran Hosseini
2:30 – 2:45	Coffee Break	
2:45- 3:15	Visualization of diverse reservoir data integration and monitoring	Graham Brew , Dynamic Graphics
3:15- 4:15	Strategic and technical advisory board (STAB) meeting: discussion future research directions	Iraj Ershaghi
4:15- 4:45	Discussion/ Q&A	All
4:45- 5:00	Finalizing the RMC Research Plans for 201502016 and Concluding Remarks	Fred Aminzadeh