Agenda
Heavy Oil, Stimulation/IOR, Environmental, Well Construction
Wednesday, December 7, 2011

Room 309, Harold Vance Department of Petroleum Engineering
Texas A&M University, College Station

8:00 – 8:30 a.m.  Coffee and Rolls
8:30 – 8:45  Welcome
8:45 – 9:15  Investigation of Hybrid Steam-Solvent Injection to Increase Efficiency of Thermal Oil Recovery Processes (Project 1.3.22) – Mojtaba Ardali / Dr. Maria Barrufet
9:15 – 9:45  CAGD: An In-situ Combustion Method to Recover Heavy Oil and Bitumen from Geologic Formations using a Horizontal Injector-Producer Pair (Project 1.3.24) – Hamid Rahnema / Dr. Maria Barrufet
9:45 – 10:15 Displacement of Heavy Crude by Emulsified Used Engine Oil – Xuebing Fu / Dr. Robert Lane
10:15 – 10:30  Break (e-Posters available for viewing)
10:30 – 11:00 Acid-Fracture Performance (Project 2.5.01) – Cassandra Oeth / Dr, Ding Zhu
11:00 – 11:30 Optimization of Horizontal Well Performance in Low-Permeability Gas Reservoirs (Project 2.4.10) – Jiajing Lin / Dr. Ding Zhu
11:30 – 12:00 Characterization and Simulation of Discrete Fracture Networks (Project 3.5.14) – Dr. David Schechter
12:00 – 1:00 p.m.  Lunch (e-Posters shown, with students on hand for questions)
1:00 – 1:30 Low Salinity Water Flooding in Sandstone Reservoirs (Project 3.4.07) – Ramez Azmy Nasralla / Dr. Hisham Nasr-El-Din
1:30 – 2:00 Re-Use of Produced Waters as Hydraulic Fracturing Fluids (Project 4.2.13) – Ashkan Haghshenas / Dr. Hisham Nasr-El-Din
2:00 – 2:30 CO2 Sequestration, Environmental (Project 4.2.12) – Ibrahim Mohamed / Dr. Hisham Nasr-El-Din
2:30 – 3:00 Low Impact O&G Activity; Environmentally Friendly Drilling Systems (Project 4.2.09) – David Burnett / Dr. Gene Beck
3:00 – 3:15 The Experimental Study of HPHT Well Cementing Failure and Fatigue (Project 2.3.05) – Zhaoguang Yuan / Dr. Jerome Schubert
3:15 – 3:30  Break (e-Posters available for viewing)
3:30 – 4:15  Open Discussion and Project Mentor Assignment(s)
4:15  Adjourn
Agenda
Shale Reservoirs, Reserves, Modeling, Stimulation
Thursday, December 8, 2011

Room 309, Harold Vance Department of Petroleum Engineering
Texas A&M University, College Station

8:00 – 8:30 a.m. Coffee and Rolls

8:30 – 8:45 Welcome

8:45 – 9:15 Occurrence of Multiple Fluid Phases across a Basin, in the Same Shale Gas formation - Eagle ford Shale Example (Project 3.2.14) – Yao Tian / Dr. Walt Ayers and Dr. Bill McCain

9:15 – 9:45 Assessment of Eagle Ford Shale Gas and Oil Resources (Project 3.2.16) – Dr. Duane McVay

9:45 – 10:15 Using the Stretched Exponential Decline Model (SEDM) to Forecast Production and Estimate Reserves in Oil and Gas Shales (Project 3.2.15) – Babak Akbarnejad / Dr. Peter Valko

10:15 – 10:30 Break (e-Posters available for viewing)

10:30 – 11:00 Rapid, Probabilistic Reserves Estimation Methods for Hydraulically Fractured Horizontal Wells in Shale Gas Reservoirs (Project 3.6.07) – Dr. Duane McVay

11:00 – 11:30 Application of Adaptive Gridding and Upscaling for Improved Tight Gas Reservoir Simulation (Project 3.1.22) – Yijie Zhou / Dr. Mike King

11:30 – 12:00 Stochastic History Matching, Forecasting, and Production with the Ensemble Kalman Filter (Project 3.6.06) – Morteza Khodabakhshi / Dr. Mike King

12:00 – 12:30 Integrated Fracture Placement and Design Optimization in Unconventional Gas Reservoirs (Project 3.6.08) – Tatiyana Plaksina and Xiaodan Ma / Dr. Eduardo Gildin

12:30 – 1:30 p.m. Lunch (e-Posters shown, with students on hand for questions)

1:30 – 2:00 Global Unconventional Gas Resource Assessment – Zhenzhen Dong / Dr. Steve Holditch

2:00 – 2:30 Investigating and Quantifying the Effect of Petrophysical and Compositional Properties on Electrical Resistivity of Organic-Shale Formations to Improve Well-Log Interpretation Methods (Project 3.2.18) – Nikhil Kethireddy / Dr. Zoya Heidari

2:30 – 3:00 Simulation of Multistage Fracturing of Horizontal Wells for Shale Oil Production (Project 1.7.05) – Dr. Christine Ehlig Economides

3:00 – 3:30 Laboratory Measurement of Propped Fracture Conductivity in the Barnett Shale (Project 2.5.20) – Junjing Zhang / Dr. Dan Hill

3:30 – 3:45 Break (e-Posters available for viewing)

3:45 – 4:15 Extent of Propped/Productive Fractures in the Stimulated Reservoir Volume (Projects 3.2.17c and 3.2.17d) – Bo Song and Ibraheem Ahmed / Dr. Christine Ehlig-Economides

4:15 – 4:45 Diagnosis of Multiple Fracture Stimulation in Horizontal Wells by Downhole Temperature Measurement for Unconventional Oil and Gas Wells (Projects 2.5.21) – Dr. Ding Zhu

4:45 – 5:30 Open Discussion and Project Mentor Assignment(s)

5:30 Adjourn
Agenda
Shale Properties, Productivity, Water Issues
Friday, December 9, 2011
Room 309, Harold Vance Department of Petroleum Engineering
Texas A&M University, College Station

8:00 – 8:30 a.m.  Coffee and Rolls
8:30 – 8:45  Welcome
8:45 – 9:15  Characterization of Shale Geomechanical and Transport Properties (Project 1.2.13) – Jihoon Wang / Dr. Ahmad Ghassemi
9:15 – 9:45  Modeling Hydraulic Fracturing of Shales (Project 2.5.19) – Dr. Ahmad Ghassemi
9:45 – 10:15  Rock-Fluid Chemistry Impacts on Shale Hydraulic Fracture and Microfracture Growth (Project 2.5.23) – Aderonke Aderibigbe / Dr. Robert Lane
10:15 – 10:45  Minimizing Water Production from Unconventional Gas Wells (Project 2.4.25) – Dr. Robert Lane
10:45 – 11:00  Break (e-Posters available for viewing)

11:00 – 11:30  Improving Fluid Recovery and Permeability to Gas in Shale Formations (Project 1.2.14) – Ameneh Rostami / Dr. Hisham Nasr-El-Din
11:30 – 11:45  Evidence of Fracture Complexity in Long Term Production Data (Project 3.2.17d) – Sippakorn Apiwathanasorn / Dr. Christine Ehlig-Economides
11:45 – 12:00  Evidence of Stress Dependent Permeability in Long Term Production Data (Project 3.2.17e) – Fabian Vera / Dr. Christine Ehlig-Economides
12:00 – 12:30 p.m.  Role of Fracture Dewatering in Productive Fracture Extent in the Stimulated Reservoir Volume (Project 3.2.17f) – Bo Song / Dr. Christine Ehlig-Economides
12:30 – 1:00 p  Investigation of Fracture Fluid Performance in Oil Shale with Surfactant Additives by X-Ray Tomography Methods (Project 2.5.22) – Mohamad Jais / Dr. David Schechter

1:00 – 2:00  Lunch/Open Discussion and Project Mentor Assignment(s)
2:00  Adjourn