



Society of Petroleum Engineers

28-29 October 2008

Stockyards Station

Fort Worth, TX

Managing the Performance of Low Pressure Gas Wells and Associated Facilities

Technical Program Committee

Chairperson:

David Simpson
MuleShoe Engineering

Hans Dube
EOG Resources

Larry Harms
ConocoPhillips

Phil Cowdery
G/3 Operating

James Lea
PLTech

Mark Richeson
EOG Resources

Bryan Dotson
BP America
Production Company

Gordon Gates
BP America
Production Company

As long as gas wells produce at high pressures most of the lessons learned in oil fields will apply (with minor modifications). As pressures decline, the differences between oil fields and gas fields become progressively more significant. In cases where pressures fall below approximately 50 psig, oil-field analogies become largely irrelevant. Through brief, informal presentations this Applied Technology Workshop aims to facilitate information sharing about the design and operational considerations that must be applied in order to optimize the operation and performance of gas wells from the inflow, up the tubing, and through wellsite facilities and gathering systems. This workshop offers an excellent "across the board" level of knowledge on facilities and operations, with the goal of bringing together facilities engineers, deliquification specialists, and field operations personnel. This event will create an atmosphere in which attendees may engage in frank and open discussion of critical issues.

WORKSHOP SPONSORS:

Tuesday Breakfast
sponsored by:



Tuesday Coffee Breaks
sponsored by:



Deliquification Solutions

Monday, October 27

6:00-7:30 p.m.

Welcome Reception

Tuesday, October 28

7:30-8:30 a.m.

Registration

Continental Breakfast



8:30-9:30 a.m.

SESSION I: OPENING SESSION

Chairman's Welcome

David Simpson, MuleShoe Engineering

America's Energy Security

Steven Guidry, Marathon Oil

Scene Setting

David Simpson, MuleShoe Engineering

9:30-10:00 a.m.

Coffee Break



10:00 a.m.-12:00 p.m.

SESSION II: DELIQUIFICATION

Session Chairs: Bryan Dotson, BP America Production Company
James Lea, PLTech

Presentation 1: North American Gas Wells

Presenter: Rob Sutton, Marathon Oil

Presentation 2: Artificial Lift Methods for Gas Wells

Presenter: Jim Hacksma, Consultant

Presentation 3: Dewatering Horizontal Coalbed Methane Wells
Using ESPCPs

Presenter: Matt Krawiec, Trident Exploration

Presentation 4: Surface Impacts of Foaming Gas Wells

Presenter: Steve Szymczak, BJ Services

12:00-1:30 p.m.

Lunch

1:30-3:00 p.m.

SESSION III: GAS-COMPRESSION

Session Chairs: Larry Harms, ConocoPhillips
Mark Richeson, EOG Resources

Presentation 1: Thermocompressors

Presenter: David Simpson, MuleShoe Engineering

Presentation 2: Compressor Optimization

Presenter: Andrew Miles, Detechtion

Presentation 3: Choosing a Wellhead Compressor

Presenter: John Urlaub, ConocoPhillips



3:00-3:30 p.m.

Coffee Break

Sponsored by:

Deliquification Solutions

3:30-5:00 p.m.

SESSION IV: GAS-FACILITIES

Session Chairs: Larry Harms, ConocoPhillips
Mark Richeson, EOG Resources

Presentation 1: Blowcase Operation and Design

Presenter: Bill Elmer, EOG Resources

Presentation 2 : Low Pressure Gathering & Vacuum Operations

Presenter: David Simpson, MuleShoe Engineering

Presentation 3: Compression Strategy

Presenter: Quynthy Bui and Larry Harms, ConocoPhillips

5:00-7:00 p.m.

RECEPTION at The Texas Cowboy Hall of Fame
128 East Exchange Ave.
Fort Worth, TX 76164

Wednesday, October 29

7:30-8:30 a.m.

Registration and Continental Breakfast

8:30-9:45 a.m.

SESSION V: PRODUCED LIQUID HANDLING

Session Chair: Hans Dube, EOG Resources

Presentation 1: Water Handling in the Barnett Shale

Presenter: Hans Dube, EOG Resources

Presentation 2: Dealing with Liquids in Low Pressure Systems

Presenter: Mona Trick, Neotechnology Consultants

9:45-10:15 a.m.

Coffee Break

10:15-11:45 a.m.

SESSION VI: PRODUCED LIQUID HANDLING (Continued)

Presentation 3: Produced Water Hauling Optimization

Presenter: Santiago Morales, BP

Presentation 4: SWD Facilities Construction

Presenter: Larry Kirkland, EOG consultant

Presentation 5: Evaporation (Case Study)

Presenter: Bryan Dotson, BP America Production Company

11:45 a.m.-1:15 p.m.

Lunch

1:15 p.m.-3:15 p.m.

SESSION VII: OPERATIONS

Session Chairs: Phil Cowdery, G/3 Operating

Gordon Gates, BP America Production Company

Presentation 1: Tracking Plungers

Presenter: Lynn Rowlan, Echometer

Presentation 2: Small Line Swabbing

Presenter: Jess Babbit, Devon Energy

Presentation 3: Plunger with a Compressor

Presenter: Gordon Gates, BP America Production Company

Presentation 4: Automation Surveillance/Control/Optimization

Presenter: John Herring, Pure Automation

3:15-3:30 p.m.

Coffee Break

3:30-4:30 p.m.

SESSION VIII: CLOSING SESSION

Session Chairs: David Simpson, MuleShoe Engineering

Bryan Dotson, BP America Production Company

Hans Dube, EOG Resources

Open Discussion

- Key Learnings
- Ask questions about topics that have not been previously addressed.