

Progress Report – February March and April 2007
Gas Over Bitumen Technical Solution
Industry & Government Collaboration

General Comments

As directed by the Steering Committee on October 24, 2006, the Artificial Lift and Low Pressure SAGD sub committees continue to meet and make good progress in 5 priority areas; re-pressuring fluid injection types, down hole instrumentation, solvent/co-injection recovery, impact of non-condensable gas, and history matching of field data.

Artificial Lift

Down Hole Instrumentation

A work shop was held on March 15, 2007 with 29 participants from 15 organizations. ConocoPhillips, Devon, EnCana, Husky, North American, and Petro-Canada made presentations. The workshop reviewed the state of the art of current technology within service and operating companies, including what is working and what gaps exist.

Following the March 15 work shop, a task group is developing the scope for an August vendor workshop to present current state of high temperature pressure measurement and what activities are required to advance the temperature application. This is in pursuit of a reliable and cost effective pressure measurement device capable of service at 270 C and higher.

Fluid Injection Technology

NAOSC is sponsoring a JIP for Development of a Guideline for Choosing Injection Fluids for the purpose of Re-pressuring a Gas Over Bitumen Zone. An RFP was finalized and issued March 21, 2007. The technical sub committee is waiting on a recommendation for the successful contractor.

Low Pressure SAGD Performance

Solvent/co-injection Recovery Applications

ConocoPhillips is advancing a JIP to understand solvent compositions, availability, and supply at a cost of \$60,000. With 8 to10 potential participants, the cost is \$7,500 to \$6,000/member. The study would finish within a year (probably 2nd Q 2008) with ongoing results available through update meetings and working drafts.

Impact of non-condensable Gas

The scope of a potential JIP is being advanced.

History Matching of SAGD Field Data

The scope of a potential JIP is being advanced.