

Monthly Progress Report – February 2003
Gas Over Bitumen Technical Solution
Industry & Government Collaboration

Artificial Lift

E-Lift

Rangewest Resources has been asked to prepare multiple designs for field testing and fully demonstrating the application of E-Lift in low pressure SAGD operating conditions. This will include the scope of the tests for each operating scenario including the wellbore and facility requirements, monitoring requirements, timing, and estimated capex and opex. Ideally, a field test will include testing E-Lift against other systems, side by side. The intent is to advance a Joint Industry Project for field testing E-Lift. It is expected that Rangewest will make a presentation to the Artificial Lift Sub Committee in April.

High Volume SAGD Gear Pump

EnCana has brought forward an opportunity to have a JIP to conduct bench and field testing of a high volume gear pump. EnCana will make a presentation with the pump supplier to the artificial lift sub committee in March.

Low Pressure SAGD Wellbore Architecture

Nothing new to report.

Fluid Injection Technology

Flue Gas Injection Project

Christina Lake flue gas injection project has the equipment set. Operations need to spot 10 more meters of cement in the wellbore to ensure cement top above the oil sands section. EUB G51 approval will be given once the workover is complete. Devon expects to start up during the first week of March. Devon will apply for amendment for miscible flood once injection operations are proceeding.

Re-pressuring Activities Outside of Canada

Nothing new to report.

Lateral and Vertical Pressure Communication

Piezometer data

The sub committee is investigating piezo stability and drift. This includes reviewing the Thurber documents from the Chard/Leismer hearing, reviewing each party installation, and having discussions with suppliers. Paramount has conducted a lab test and seen a 1 kPa/month drift in 8 out of 8 gauges.

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Injection Projects

Nothing new to report.

Data Interpretation

The Surmont shut-in data is an important and unique data set available for interpretation and may be suitable for a JIP or RFP to establish an engineering understanding of the reservoir. The Lateral and vertical pressure communication sub committee is considering the options for shut-in data interpretation.

Shut-in Data Gathering and Interpretation

Data Base Cleanup

The sub-committee continues with clean up of the pressure data on the wells shut-in from D2000-22 and D2001-64. This project completion is carrying over into March 2003.

Winter Static Gradient Survey

Calpine, CNRL, Devon, and Paramount are proceeding with the static gradient survey program.

Low Pressure SAGD Performance

Performance

The Low Pressure SAGD sub committee is establishing the parameters for modeling low pressure SAGD in order to improve its predictability. In addition, the group is investigating the potential for field pilot testing of Low Pressure SAGD and Low Pressure ES SAGD and artificial lift. The sub committee is also considering what needs to be done on Low Pressure ES SAGD prior to proceeding with a field test.

Outstanding

Press release

Press release is with the ADOE Department Communication Branch. Expect release in March.