

Artificial Lift

Bench Scale Testing of Lift Systems

The twin screw test is on hold. The Progressive Cavity Pump (PCP) test may proceed during this period.

Low Pressure SAGD Wellbore Architecture

C-FER has built an economic model based on 4 cases: 'high-pressure' SAGD Base Case at 2000 kPa and three LP-SAGD cases at 500 kPa including one wellbore concept and two completion concepts. C-FER is now incorporating input data from participants.

Fluid Injection Technology

Paramount GRIPE Pilot

The EUB has no information requests or deficiencies on the Paramount GRIPE application at this time. Paramount expects further questions or approval by the end of August. Verbal support for the pilot from offsetting interests has been received.

Paramount project implementation is proceeding with detailed design currently underway. Long lead equipment is being procured. AFE approval and ADOE royalty relief arrangements are expected by September 30, 2004. Construction should commence in November 2004, well completions in January 2005, and commissioning April 2005.

Devon/EnCana Flue Gas Re-pressuring Pilot

Devon submitted a progress report to the EUB in May 2004. The pilot did accomplish re-pressuring the gas pool, but was unfortunately uneconomic. A copy of the Devon report will be distributed to the Steering Committee.

Lateral and Vertical Pressure Communication

Surmont Shut-in Data Analysis

The ETI report is complete. A meeting to review the deliverables and clarify explanations of results was held July 29, 2004. ETI will be preparing an addendum to the report.

Low Pressure SAGD Performance

Deer Creek LP SAGD Field Testing

Steam circulation continues in the injector and producer to preheat the wellbores. Continuous steam injection into the injector is now expected to commence in August.

ConocoPhillips LP SAGD E-Lift Field Testing Proposal

ConocoPhillips made an interesting and informative presentation on July 22, 2004, comparing the test objectives and scope of the 2003 proposal and today's needs. The FEED summary report estimates that the capital costs are more that 3 times higher than anticipated in the original proposal. As a result, the September joint Artificial Lift and Low Pressure SAGD sub committee meeting will conduct a review and update of the scope, deliverables, and timelines of this possible field pilot.

Reservoir Lab Testing

The testing apparatus is built and testing will proceed shortly. The test is expected to be complete by year end 2004.

Executive Steering Committee

Nothing new to report.