





Finding *the Pulse*

DEVELOPED AND PROVEN IN CANADIAN OIL FIELDS, UNIQUE FLUID PULSE TECHNOLOGY CAN HELP U.S. PRODUCERS INCREASE DOMESTIC PRODUCTION. [BY BRETT DAVIDSON]

Innovative thinking and an openness to new ideas in Canada’s oil and gas sector have helped develop a unique technology that is generating impressive increases in ultimate oil recovery throughout North and South America and the Middle East. While the Alberta Oil Sands are still the most high-profile darling of Canada’s oil industry, fluid-pulse technology developed in Alberta is proving it can be used to potentially recover billions of barrels of oil previously left behind in oil fields thought to be depleted or uneconomical.

With the third-largest proven oil reserves in the world and ranking as the world’s sixth-largest producer of oil,

Canada’s oil industry has developed a depth and breadth of experience in some of the harshest conditions facing the industry. With such a wide variety of conditions to deal with, and global economic conditions putting increased pressure on producers, being open to innovative ideas can be critical to success. That openness to new technologies allowed this unique fluid-pulse technology to prove its worth and expand its scope of operations.

A recent report published by the U.S. Energy Information Administration notes that the United States imported roughly 45 percent of the 18.8 million barrels of petroleum products con-

sumed each day in 2011. While dependence on foreign petroleum has declined since peaking in 2005, the quest is still on for new ways to increase domestic production and reduce reliance of foreign suppliers. Fluid-pulse technology is one way U.S. producers can breathe new life into their oil fields and recover more oil, flatten decline curves and reduce production costs.

PULSATING INJECTION STREAM

While waterflooding techniques have been used for secondary oil recovery since the 1920s, fluid-pulse injection optimization brings a much higher level of efficiency to these traditional ap-

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“By emphasizing people, safety and partnership, we can build our reputation as an employer of choice.” // GUY BELLEAU

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