



## CASE HISTORY

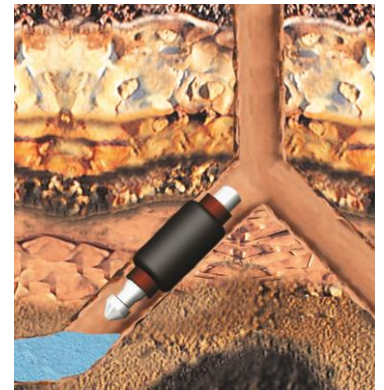
Well Intervention

Inflatable Bridge Plug

### MULTILATERAL HORIZONTAL WELL MAKING EXCESSIVE WATER FROM ONE LATERAL

Inflatable Bridge Plug Set Inside Water-Producing Lateral

Location: Canada



*Inflatable Bridge Plug*

**CHALLENGE:** Many wells in southern Canada are in carbonate reservoirs and are drilled with multiple laterals and completed as open hole. A problem arises when a multilateral horizontal well makes excessive water from one of the laterals.

**SOLUTION:** When water encroaches into the well, testing can be conducted to determine the source of the water. An inflatable bridge plug can be run on a work string and set inside the lateral determined to be producing excessive water, allowing continued production from the remaining laterals.

**RESULTS AND BENEFIT:** In 2007, more than 30 multilateral wells located in southern Canada had utilized an inflatable bridge packer set in the open hole horizontal section of one of the laterals to reduce water production. A retrievable type inflatable bridge packer can be used, enabling retrieval of the plug and/or allowing the setting depth to be changed if additional water encroachment occurs during the life of the well.