



CASE HISTORY

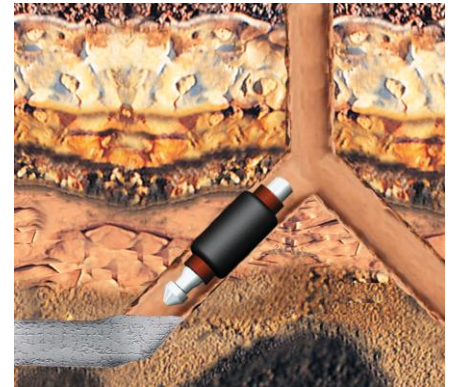
Well Intervention

Inflatable Bridge Plug

WATER SHUT OFF, HORIZONTAL MULTILATERAL

Permanently Plug and Abandon One Leg of the Multilateral

Location: Canada



Inflatable Bridge Plug

CHALLENGE: A multilateral well in a carbonate reservoir in Southern Canada was tested and determined to be producing water from leg #1 and with oil production only from leg #2.

SOLUTION: A 4- $\frac{1}{4}$ x 5- $\frac{1}{4}$ in. OD inflatable cement retainer was run and set in leg #1 of a 6 in. open hole completion. A setting ball was circulated to seat below the packer and the packer was inflated to 1,000 psi. The choke was sheared out allowing access to below the packer. Cement slurry was pumped to below the packer and the work string was hydraulically released. Once the work string was released, dual flapper valves were closed and held pressure from both directions while the cement cured.

RESULTS AND BENEFIT: The well was placed back on production with reduction of over 1,500 BPD water and 150 BPD oil increase.