

Swell Technology Systems Prevent Well Abandonment for Bakken Field Operator

Location: North America

CHALLENGE – An operator in the Bakken field was looking for a cost-effective solution to help extend the injection life of a well rather than abandoning it. This well had a section of corroded casing that required isolation in order to continue injecting into the lowest zone. Due to the degradation of the casing (40% to 60% wall loss) conventional packers could not be used since the stress that would be placed on the casing while trying to set and pack-off could potentially break through and create a leak point. The temperature of this well was 50°C.

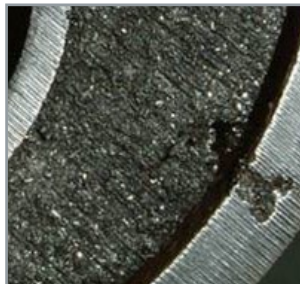
SOLUTION – Halliburton ran Water-Swelling (WS) Swellpacker® isolation systems to depth. Once the packers were at depth, inhibited fresh water was circulated in place to allow the packers to swell and seal off the corroded casing.

RESULT – Halliburton's solution delivered stability and reliability, prolonging the injection life of the well and saving the operator from abandoning the well, which had an estimated value of US \$500,000 to \$750,000.



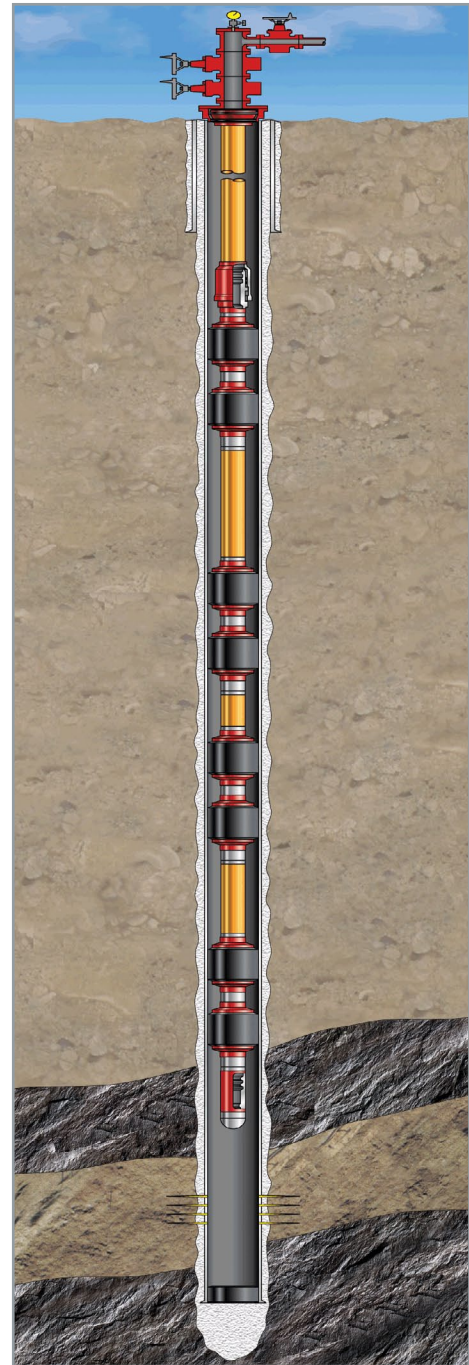
Corroded Casing

HAL32878



Swellpacker® system sealing in corroded casing

HAL32877



HAL32635

For more information on Swellpacker® systems, please call your local Halliburton representative or email us at completions@halliburton.com.