

Case Study

ESeal™ Liner Restores Wellbore Integrity in Canadian Gas Plant Well; Saves Replacement Well Costs



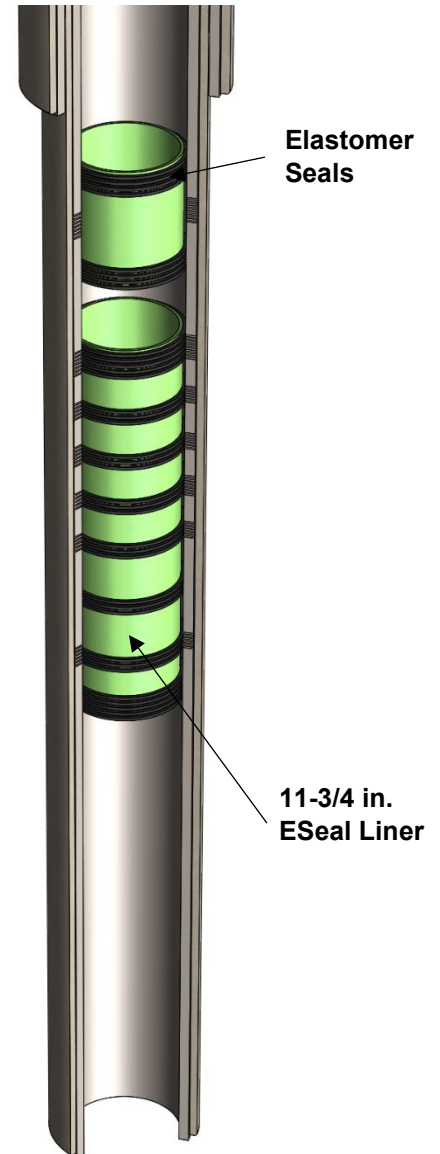
Challenge

A cavern well in Fort Saskatchewan, Alberta needed to be remediated due to two sections of leaking casing connections in the well. The Operator needed a quick solution to isolate the leaking connections that would provide a gas tight isolation for the Nitrogen MIT test, restoring integrity to the well and save the cost of drilling a replacement well.

Solution and Results

SubTerra Engineering worked carefully with the Operator to determine the best, most cost-effective solution to restore integrity to the well. Two ESeal Solid Expandable Liners were installed in the well located within a gas plant and expanded to cover the two leaking sections. The first 48 meter 11-3/4 in. ESeal Liner was installed and expanded to cover the section of casing with two leaking connections. A second, 12 meter 11-3/4 in. ESeal Liner was then installed and expanded to cover a single leaking connection above the lower liner previously installed. Both ESeal Liners were fitted with Viton Elastomer seals above and below the leaking connections in the 13-3/8 in. casing to provide a gas tight solution for the Nitrogen MIT test. A proper MIT test with nitrogen was successfully completed to the desired pressure rating and confirmed isolation and restored well integrity.

By deploying an expandable liner system, the Operator saved the high cost of drilling a new well or sidetracking.



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