

MC FA-4007 Unloads Gas Well Utilizing Velocity String Production Increases 100 mcf/d!

BACKGROUND

This well is a packer completed well with 2 7/8" tubing with a velocity string of 1.9" installed. The well has flowed approximately 100 mcf/d prior to experiencing liquid loading issues.

ISSUES

A well in Western Oklahoma was experiencing a decrease in gas production due to hydrostatic head pressure build up from liquid loading. Well appeared to be in bubble flow pattern due to production dropping from 100 mcf/d to 20 mcf/d.

ANALYSIS

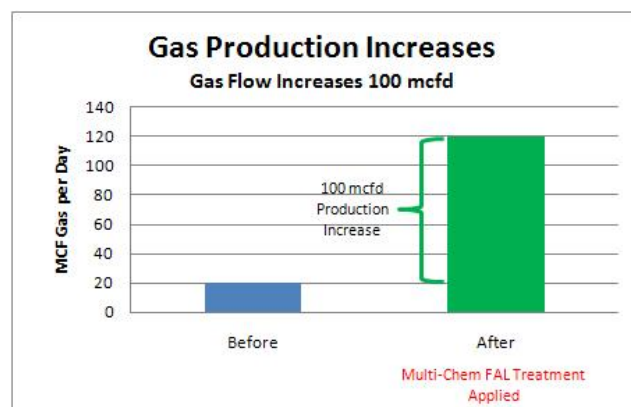
Field tests were conducted by Multi-Chem's FAL (Foam Assisted Lift) team on live produced fluids from the well to select the liquid foaming agent which exhibited the optimum foam height and half life. MC FA-4007 was selected as the product of choice.

RESOLUTION

MC FA-4007 was continuously injected down the tubing at an optimized injection rate based upon projected flowing conditions obtained from well data prior to the well experiencing liquid loading.

DELIVERED VALUE

Well was successfully unloaded and production increased from 20 mcf/d to 120 mcf/d and 1 BWPD on average.



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