

Application of MC FA-4612 Increases Gas Well Production

Production Increased 400%, from 300 mcf/d to 1,200 mcf/d

BACKGROUND

The well was in a traditional slug flow gas pattern. During flowing periods the well would start off strong and quickly load up. Approximately 300 mcf/d and 40 BWPD would be achieved during this flowing period. With a 24 hour shut in enough pressure would build up to repeat the cycle.

ISSUES

A gas well located in South Texas would decline below critical velocity; every three days the well would be shut in for 24 hours to build enough pressure to overcome the hydrostatic head pressure created from the liquid loading to regain the slug flow gas production it was in.

ANALYSIS

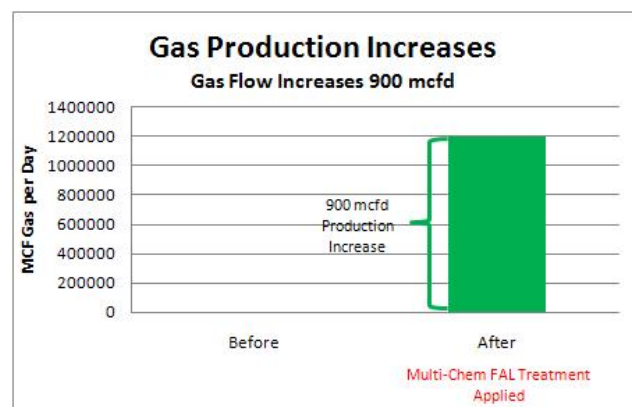
The foam assisted lift "FAL" process was initiated on this well. It was determined the well was in a slug flow pattern and liquid foaming agents could be applied down the annulus of the well. Foam tests indicated MC FA-4612 would provide the optimum foam quality to unload the produced fluids from the tubing and near wellbore areas allowing the well to flow on a continuous basis.

RESOLUTION

MC FA-4612 was applied continuously down the annulus of the well at a rate determined by current flowing conditions.

DELIVERED VALUE

The well had an incremental increase of 900 mcf/d and has flowed at a produced gas rate of 1,200 mcf/d for three years.



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