

MC FA-4275 Unloads Mature Shut In Gas Well Production of 200 mcf/d Attained from Dead Well!

BACKGROUND

The well had been shut in for approximately 12 years; after being acquired, the new producer attempted to flow the well with limited success utilizing soapsticks.

ISSUES

A mature gas well in Western Oklahoma was experiencing erratic liquid loading issues. The producer requested a cost effective way of unloading and flowing the well at a steady rate.

ANALYSIS

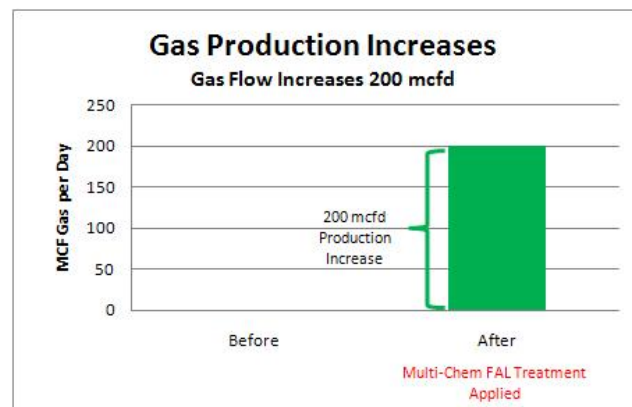
Multi-Chem analyzed the system utilizing the FAL (Foam Assisted Lift) process. During FAL discussions with the foreman and superintendant it was decided to install a manual choke on the flowline to control the back pressure of the well. Field testing was performed on live produced fluids to determine the liquid foaming agent providing a quality foam to unload the produced fluids under the dynamics the well exhibits. MC FA-4275 was determined to be the optimum liquid foaming agent.

RESOLUTION

A batch treatment down the annulus of the well was performed with Multi-Chem MC FA-4275. The well was then shut in for 24 hours for pressure build up and brought online the next day. The well produced 201 mcf/d and 87 BWP/D for 2 days prior to liquid loading. The process was repeated as well as a continuous injection of MC FA-4275 was initiated. The well responded and averaged 200 mcf/d and 43 BWP/D.

DELIVERED VALUE

The well had an incremental increase of 200 mcf/d and continued to flow at 200 mcf/d without the need to shut in and pressure build up.



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