

Batch Application of MC FA-4211 Increases Gas Well Production Re-Entry Well Kickoff / Production Increased from 42 mcf/d to 1,500 mcf/d

BACKGROUND

The well flows after being swabbed for approximately 4 hours at a rate of 1,000 mcf/d prior to decreasing below the critical flow rate. Once hydrostatic head pressure is reached the well has to be swabbed in order to re-establish gas production for another 4 hours.

ISSUES

A re-entry well in North Texas is experiencing liquid loading. The well flows intermittently after being swabbed.

ANALYSIS

With 300 psi on the casing and >50 psi on the tubing, it was believed that liquid foaming agents would allow the well to overcome the hydrostatic head pressure. Field testing was conducted using live produced fluids obtained from swabbing. Multi-Chem's MC FA-4211 was selected as the product of choice to achieve optimum foam height and half life to remove produced fluids from the near wellbore and tubing to the surface.

RESOLUTION

MC FA-4211 was applied via batch application down the tubing and annulus to stimulate the well.

DELIVERED VALUE

Well was successfully unloaded and production increased from approximately 300 mcf and 7 BWPD per week to 1,500 mcf/d and 300 BWPD on average.

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