

MC FA-4131 with Plunger Lift Increases Production Stabilized Well at Desired Flow Rate

BACKGROUND

The well was approximately 7500 ft in depth, flowing at 130 mcf/d with the plunger in 2.375" tubing.

ISSUES

A plunger lift well in Western Oklahoma was experiencing liquid loading issues.

ANALYSIS

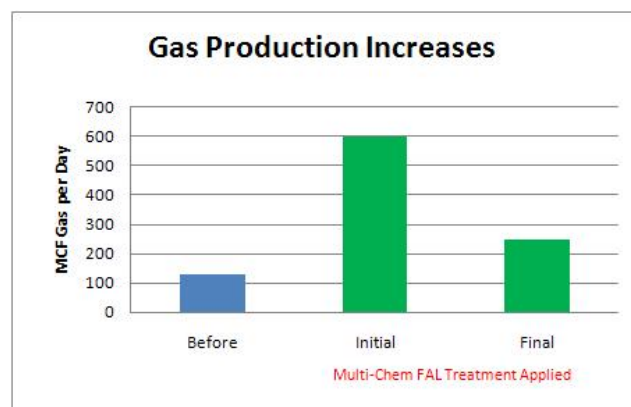
Field tests were performed by Multi-Chem's FAL (Foam Assisted Lift) team on produced live fluids from the well to determine which liquid foaming agent would yield the quality of foam allowing for unloading produced fluids to the surface. Multi-Chem MC FA-4131 was selected as the liquid foaming agent of choice.

RESOLUTION

MC FA-4131 was applied continuously down the annulus of the well to achieve unloading of the produced fluids to the surface.

DELIVERED VALUE

An initial incremental increase of 1,170 mcf/d was realized; the well gradually leveled out at approximately 600 mcf/d. Due to concerns of harming the formulation, the operator requested the liquid foaming agent rate be adjusted to allow the well to produce at approximately 250 mcf/d. The flow rate has been maintained at this level for over two years.



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