

Application of MC MX 709-4 Increases Gas Well Production Incremental Increase of Surface Gas Production

BACKGROUND

A gas well in the Selma Chalk formation under loaded conditions was producing approximately 90 mcf/d and 1 BWPD.

ISSUES

The candidate gas well was yielding approximately 30% downtime due to liquid loading.

ANALYSIS

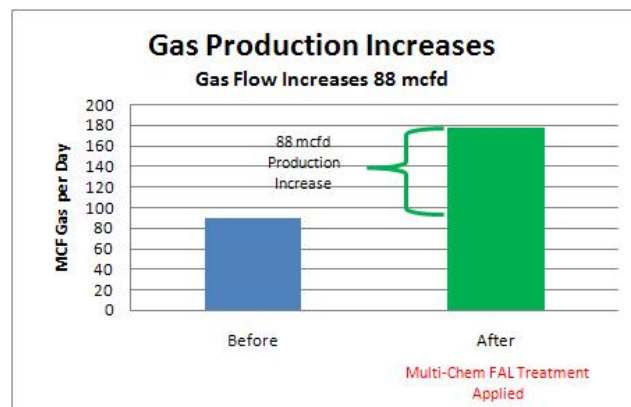
Foam sticks were utilized as the initial trial to determine if produced fluids could be unloaded at the surface. The candidate well yielded positive results for unloading liquid via the use of foam sticks; however, based upon estimated liquid volumes it was determined that the use of liquid foaming agents would be required for long solution. Through proper field testing MC MX 709-4 was selected as the liquid foaming agent of choice for these produced fluids.

RESOLUTION

MC MX 709-4 was blended at a 50/50 ratio with RO water. The mixture was injected continuously down the annulus at an initial rate of 5 gpd.

DELIVERED VALUE

By utilizing the FAL (Foam Assisted Lift) process, an increase of 88 mcf/d was achieved via continuous injection of MC MX 709-4, yielding an incremental increase of \$316 per day based upon the gas sales price of \$4.00/mcf.



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