

## Nearby Frac job causes liquid loading on Gas Well

Production restored with MC FA-4249

### BACKGROUND

A Woodford Shale gas well in Oklahoma produced 550 mcf/d and 15 barrels per day of water & condensate. After a fracture job on a nearby well, the well began liquid loading and gas production dropped to 450 mcf/d.

### ISSUES

The producer suspected damage from the nearby frac job. Production rates had dropped 100 mcf/d. Water production increased and the well was a candidate for costly artificial lift.

### ANALYSIS

Multi-Chem was asked by the producer to provide a cost effective solution that would increase gas production. Multi-Chem field technical experts collected necessary well data and samples. Foamer testing was conducted on site and MC FA-4249 was selected as the best fit-for-use product.

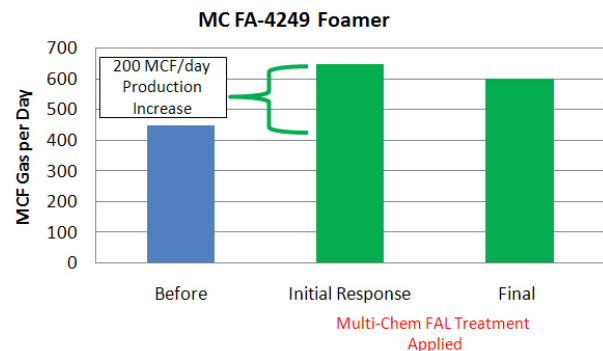
### RESOLUTION

MC FA-4249 was injected down the casing at 5 GPD for 3 days. The well unloaded approximately 100 bbls of water & condensate during this period. Once the well unloaded, FA-4249 rates were optimized at 2 GPD. Gas production stabilized at 600 to 650 mcf/d. The well is no longer having problems with liquid loading.

### DELIVERED VALUE

Chemical investment: \$16.12/day  
Production Increase: 200 mcf / d  
ROI: 8,600%

### Gas Production Increases



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