

## Problematic Gas Well Unloaded with MC FA-4500 F.A.L. Foamer Gas Production Stabilizes at 1 MMCF/day

### BACKGROUND

A new well was being produced for a depth of 8800 feet. The well had approximately 1500 psi down hole pressure. The well continued to have to be manually vented to the atmosphere to keep it on line.

### ISSUES

Liquid loading on a new well caused enormous problems for the operator. The cost was considerable with the operator's time, lost gas production to the atmosphere, and lost production because of lack of steady production time.

### ANALYSIS

The local Multi-Chem representative was contacted to design a solution to the problem. The representative sampled the well and tested various FAL (Foam Assisted Lift) products on the water sample. MC FA-4500 performed well, producing a tremendous amount of foam height; (800 ml); and a half life of 4.5 minutes. A temporary test injection system was set up to prove the efficacy of FA-4500.

### RESOLUTION

Initially, 5 gallons of FA-4500 was batch treated down the annulus of the well and flushed with 25 gallons of water. The well was then shut in for 4 hours. The chemical pump was set at 4 gallons/day.

When the well was put back on line, 1200 bbls of water were unloaded over a 3 day span. The location was flooded due to lack of room in the water tank. Once the necessary equipment was added, the well unloaded another large amount of water to the disbelief of the operation company.

### DELIVERED VALUE

As a result of the de-liquidification of the well the well is now producing at over 1,000 MCF gas per day and 180 BWPD. Additionally, the well no longer requires constant attention and venting to the atmosphere, which have reduced the LOE and increase the producer's revenue.

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#### Global Technology Center

World Houston International Business Center  
15865 International Plaza Drive, Suite 200  
Houston, Texas 77032 USA

(800) 805 9178  
(325) 223 6200  
(325) 942 7500 FAX

[www.multichem.com](http://www.multichem.com)