

## MC FA-4230 Foamer Unloads High MCF Well Operator No Longer Purchases Gas for Gas Lift Well

### BACKGROUND

This Cotton Valley well was a gas lift well with 3186 MCF injected down casing in February 2007. In February 2007, the well was producing 1647 MCF. The well had been experiencing loading problems for the past year. The operator wasn't even getting back as much gas as they were injecting, and they were having to buy the injection gas.

### ISSUES

Loss on production. Potential for artificial lift.

### ANALYSIS

In an effort to unload the well, the operator asked Multi-Chem to set a test unit on the well with a 50/50 blend of FA-4280 and water at a rate of 10 gpd.. This mixture has a proven successful track record in the area.

### RESOLUTION

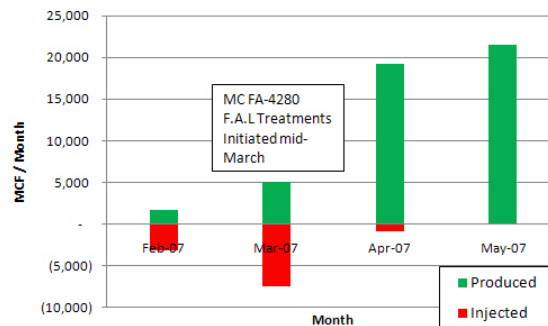
The test unit was set up in March of 07 pumping 10 gpd of 50/50 mixture.  
February: Injection - 3186 MCF, Production - 1647 MCF (before)  
March: Injection - 7469 MCF, Production - 5042 MCF (partial month after)  
April: Injection - 863 MCF, Production - 19235 MCF (after)  
May, Injection - 0 MCF, Production - 21558 MCF (after)

### DELIVERED VALUE

The operator no longer has to purchase injection gas and the well is currently producing 10000 MCF per month

Delivered Value:  
Cost per day=\$40.90  
Daily production = 333.34 MCF

**Injection Gas Eliminated**  
with MC FA-4280



Multi-Chem warrants to purchaser, but no third parties or others, the specifications for the product shall fall within a generally recognized range for typical physical properties established by Multi-Chem when the product departs Multi-Chem's point of origin and that any services shall only be performed in accordance with applicable written work documents. Purchaser agrees that Multi-Chem will give purchaser the benefit of Multi-Chem's professional judgment in making interpretations of data, but does not guarantee the accuracy or correctness of such interpretations. Multi-Chem's recommendations contained herein are advisory only and without representations as to the results. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY MULTI-CHEM SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THE WARRANTY CONTAINED HEREIN. EXCEPT AS OTHERWISE SET FORTH HEREIN, THE PRODUCTS AND SERVICES ARE "AS IS" AND MULTI-CHEM MAKES NO OTHER WARRANTY OR GUARANTEE OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PURCHASER AGREES THAT MULTI-CHEM SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OR LOSSES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR GROSS NEGLIGENCE.

#### 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)