

## Multi-Chem foamer replaces foam sticks

LOE decreases and production revenue increased \$770 / day

### BACKGROUND

A gas well in the mid-continent USA produced 80 mcf/d. Due to liquids loading, the operator manually dropped soap sticks into the well and blew the well to the tank daily.

### ISSUES

Production rates were low. Well required a lot of operator intervention to maintain the current rate of 80 mcf/d.

### ANALYSIS

Multi-Chem liquids unloading specialists were called in. Samples of produced fluids were collected and foamer test was conducted on site.

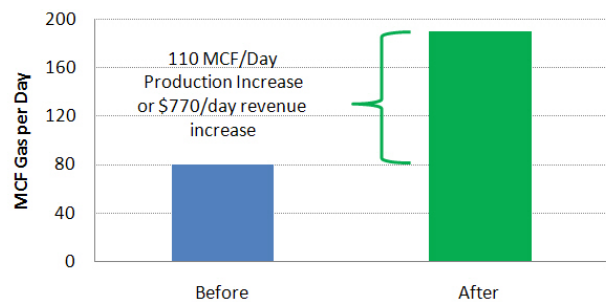
### RESOLUTION

Based on the testing, a fit-for-use foamer was brought in to replace the foam sticks. Chemical injection was initiated at 3 GPD.

### DELIVERED VALUE

Production increased to its current level of 190 mcf/d. The operator was no longer required to intervene to maintain production.  
Net production increase: 110 mcf/d (\$770)  
LOE savings

**Gas Production Increase**  
Multi-Chem Foam Assisted Lift



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)