

## FA-4013 controls corrosion and unloads well

Gas Production increases 89 mcf/d

### BACKGROUND

A well in the DJ Basin in NE Colorado had been worked over. The well had a liquid loading issue and as a consequence, it would not produce.

### ISSUES

Corrosion failures and frequent intervention to remove liquids from the well. Costly overhead.

### ANALYSIS

An analysis of the produced water indicated that the well produced 4% CO<sub>2</sub> in the gas. This was the primary cause of the corrosion issues the producer experienced with the well. Foam tests indicated that FA-4013, with a proven history of success in Colorado and Wyoming, was the product of choice. FA-4013 contains a very good scale and corrosion control package and could withstand the cold Colorado environment.

### RESOLUTION

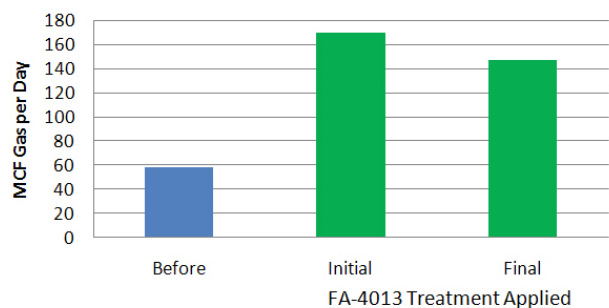
The well was batch treated with FA-4013 to get the well unloaded. FA-4013 was then injected continuously at rate of 2 gallons per day

### DELIVERED VALUE

Gas production on the well increased immediately from 58 mcf/day to 170mcf/day. Production leveled out at 147mcf/day. FA-4013 controls the corrosion issue on the well.

Production Increase: 89mcf/d (\$623/day)  
Operating costs have decreased on the well.

**Gas Production Increase  
with FA-4013 Foamer**



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