

## Multi-Chem Designs an Austin Chalk stimulation treatment

Production Increased 1400% (350 MCF/D and 11 BOPD)!

### BACKGROUND

An Austin Chalk well had been experiencing declining production for some time. The well was originally horizontally drilled in 1989 and is currently rod pumped. Multi-Chem personnel recommended an acid job for this well due to well being uneconomical to produce.

### ISSUES

The Well in this case was not profitable. The average daily production on the well was 0.05 BOPD, 10 BWPD, and 25 MCF/D. The well was only being pumped every other day.

### ANALYSIS

The well's past history was used to recommend an enhanced version of what would have been an ordinary acid job. Multi-Chem personnel that knew that this well had a history of producing black water and solids. In order to help combat the bacteria problem, Multi-Chem recommended adding several treating chemicals to the job that would reduce the chance of further problems with this well by controlling the bacteria.

### RESOLUTION

Multi-Chem set and filled 4 - 500 barrel frac tanks on location and filled with 2000 barrels of fresh water. Each tank was treated with the 10 gallons of M-8172 (wetting agent), 5 gallons of B-8900 (Biocide), 5 gallons of B-8614 (Microbiocide), and 1 gallon of SS-5359 (Oxygen scavenger).

The treatment was performed by pumping 20 barrels of treated fresh water down casing. Then, 2500 gallons of 15% HCL acid were pumped (Pump truck and HCL provided by third party) and chased the 15% HCL acid with remainder of treated water.

The treatment was done with tubing and rods in the well. To make sure that no acid would enter the tubing during the treatment, the tubing was loaded with water and pressured up to 500 PSI before starting job. The well was shut in for 24 hours after job was done.

### DELIVERED VALUE

Total investment of job: \$11,000

Estimated pay out of the job: 4 days  
After the job, the well produced 11 BOPD, 100 BWPD and 400 MCF/d

After 1 month well is averaging 11 BOPD, 100 BWPD and 375 MCF/d

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