

FA-4330 foamer replaces foam sticks

Reduces LOE and increases revenue \$7110 / day

BACKGROUND

A gas well in remote SE New Mexico produced 250 mcf/d from the Wolfcamp formation with the assistance of foam sticks. The sticks were manually dropped in the well daily. The well also required a small gas compressor to overcome the 250 PSI pipeline pressure so the gas could be added to the sales line.

ISSUES

The well would load with liquid causing the compressor to fail. A swab rig was then required to get well unloaded and back on production. The well required constant and costly daily monitoring.

ANALYSIS

The Multi-Chem team was called in to give a recommend a program which would enhance production. Water samples were collected and foam tests performed. FA-4330 foamer was selected based on performance. A complete water analysis determined the corrosion and scaling tendencies in this well.

RESOLUTION

The well was batch treated with FA-4330 and shut it in for 24 hrs. Tubing and casing pressures were monitored during the shut-in period. The well began to load up with the choke open, so it was choked back to increase tubing pressure.

A capillary string was run down the tubing and 25 gallons of 50% FA-4330 solution was injected, followed by 10 GPD continuously.

DELIVERED VALUE

The well produced 475 mcf/d and well pressure >325 PSI. The compressor was no longer required. Chemical rate was optimized at 14 GPD. Water production increased to 145 BPD and production increased to 1.2mcf/d. The pumper now checks the well 2x per week.

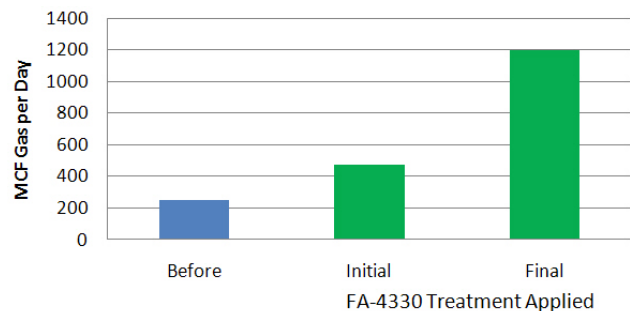
Delivered investment \$82.00 /day

Production Increase 950 mcf/d (\$6850/day)

Savings on Compressor \$350.00 /day

Gas Production Increase

with FA-4330 Foamer



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