

MC P-3014 Batch Treatment Revives Gas Over Bitumen Well Production Revenue Increases \$1250 per Day!

BACKGROUND

GOB wells often produce small amounts of heavy bitumen, this heavy bitumen can cause the perforations at the well bore to become plugged causing a sudden decrease in production and/or a large differential in pressure between the casing and tubing. These wells can be wet or dry, but dry wells tend to plug easier than wet wells.

ISSUES

In this case, the GOB (Gas over Bitumen) Well experienced decreased production and plugging of the flowlines during the winter from heavy, asphaltene laden bitumen.

ANALYSIS

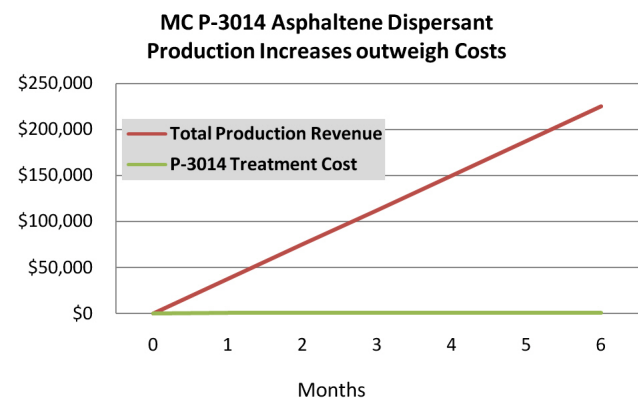
Fresh, untreated samples were collected from the wellhead for product evaluations. A sample of the bitumen was also tested. Its presence provided a major clue, especially since there was a large differential pressure between the tubing and casing. Multi-Chem P-3014 provided the best results in the laboratory for re-suspending the precipitated asphaltenes believed to be causing the problems.

RESOLUTION

MC P-3014 asphaltene dispersant was applied via batch treatment, down the back side circulated with a CTU and then allow to soak for 24 hours. The amount of chemical was sufficient to fill the cellar up to the top of the perforations. After 24 hours, the well was flowed to a blow-down tank.

DELIVERED VALUE

The producer had lost this GOB well - it was shut-in. After the MC P-3014 treatment, the production increased to 5 decs/day. Total treatment cost was \$1200 and the net daily production increase was \$1250/day!



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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