

MC M-8280 Eliminates Downhole Iron Sulfide Deposits Lease Operating Expenses Reduced as Production Increases

BACKGROUND

This well had high LOE and reduced production due to solids. The Down hole pump was stopping up every four days which was causing the rods to part.

ISSUES

Iron sulfide along with quartz, silicates, and magnetite was plugging the downhole pump. Rods were parting due to iron sulfide gathering in the pump. They were having to pull the pump every four days and replace rods.

ANALYSIS

Multi-Chem's local technical team collected solids and performed an analysis. The results indicated that iron sulfide, Quartz, silicates, magnetite were depositing downhole. MC M-8280 was selected to eliminate the iron sulfide deposition, which provided the nucleation sites for the other scale to form.

RESOLUTION

MC M-8280 was initiated at 110 gallons followed by a flush with 35 bbls of 2% KCL water down the tubing. Production commenced after this treatment.

DELIVERED VALUE

Since using this treatment program, the customer has had no failures, an increase in production, and reduced LOE. The well is treated on a weekly basis with a treatment of 10 gallons pre-wet of 2% KCL water, 10 gallons M-8280. Then pump 1 bbl pad of 2% KCL water, followed by 5 gallons of FA-4007 and a flush of 3 bbls of water.

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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