

## MC MX 833-5 Prevents Pressure Increases in SWD Well Deposition and Acid Jobs Eliminated with Continuous Injection Program

### BACKGROUND

The operator of this field has two salt water disposal (SWD) wells. The wells had been building up deposits slowly, which caused a corresponding increase in injection pressures. To remediate the problem, the operator had to acidize the wells to remove the mineral scale which built up over time.

### ISSUES

The two salt water disposal wells in the Ft. Stockton, TX area would build up pressure over time, due to skin damage caused by mineral scale deposition.

### ANALYSIS

Multi-Chem's local technical account team ran periodic millipore tests for total dissolved solids or TDS. Additional information was collected pertaining to daily volumes of injected disposal water and corresponding pressures. The objective was to maintain injectivity and reduce or totally eliminate the scaling problems. Based on the test data, MC MX 833-5 was selected at a nominal rate of 250 PPM, added to the injected water.

### RESOLUTION

MC MX 833-5 was injected at a rate of 3 gallons per day down the back side of the injection pump. Pressures and injection rates were monitored to ensure the program was performing as prescribed.

### DELIVERED VALUE

Since the program with MC MX 833-5 was initiated, injection pressures on both wells show no signs of increasing. The SWD wells have not had any problems at all in the 9 months since the MX 833-5 program began. The operator is very happy using MX 833-5 to maintain optimal injectivity. The acid jobs have been eliminated and maintenance on the injection pumps has been kept to a minimum.

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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](http://www.multichem.com)