

## MC MX 568-1 Emulsion Breaker Treats Oil to Pipeline Specifications Sales Tank Treating Eliminated

### BACKGROUND

This operator's high pressure gas wells produced 1500 BOPD. The wells began producing 300 BOPD, at temperatures of 50 F to 38 F. The commingled fluids formed a severe emulsion in the system, resulting in high BS&W on the oil side of the low pressure separator. The BS&W was over 2% from on the oil dumps of the low pressure separator to the oil holding tanks which was above pipeline spec, thus the oil was rejected.

### ISSUES

Oil and gas producer was experiencing emulsion problems in the low pressure separator and tank bottoms in sales tanks. Oil was being rejected due to high BS&W.

### ANALYSIS

In addition to the emulsion, the Multi-Chem account manager found Tank bottoms in the holding tanks which ranged from 10 to 12 inches each day.

Testing was performed with live system fluids. An emulsion breaker was found that could function at the low system temperatures, MC MX 568-1. The MX 568-1 emulsion breaker was injected on inlet of low pressure separator.

### RESOLUTION

Within hours, the % BS&W was reduced from 2% to 0%. The treated oil mixed with the off-spec oil in the holding tanks and the emulsion dissipated, cleaning up all of the tank bottoms. The result - good, on-spec oil in the producer's holding tanks.

### DELIVERED VALUE

The producer was able to save costs of treating the off-spec oil, which included hot oiling and batch chemical treating. No additional intervention was required as the treatment system now produces pipeline quality oil.

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