

MC P-3920 Eliminates Paraffin Plugging Power Oil System Functions More Efficiently

BACKGROUND

This oil has a cloud point of 120 F and makes 115 bopd and no water. The well would have to be shut-in at least one day per month to have the power oil suction line manually cleaned. This would result in the loss of at least one days production.

ISSUES

Paraffin was precipitating out in the hydraulic (Power Oil) pump suction and plugged it.

ANALYSIS

Oil samples were collected and a product performance "cold finger" test was run by the Flow Assurance group in the Houston lab.

RESOLUTION

The flow assurance group found MC P-3920 to be the product of choice. It was started pumping into the power oil suction at a continuous rate of 480ppm for 21 days. The rate was subsequently lowered to 240ppm.

DELIVERED VALUE

The line has remained clear and does not have to be shut off and manually cleaned. There is no more loss of production due to shutting the well in. Based on crude oil prices of \$40.00/Barrel, that is a savings of \$4600/month

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