

Water Injection Well Rates Increase Tenfold with the Application of PC-410

Formation
Rosary

PureChem Products
PC-410 - Paraffin/Asphaltene
Dispersant/Solvent

Challenge

Injection pressures were increasing while injection rates were falling on water injection well. The second injection pump was failing as a result of high pressures.

Solution

Well samples were collected from the tubing and tested in the lab, the addition of PC-410 which is a paraffin/asphaltene dispersant/solvent proved to be very effective at breaking down and dissolving the solids sample.

PC-410 was started at 15 liters per day for 2200 m³ until improvements were realized; the rate was then decreased to 10 liters per day.

Benefit

After approximately two months the well had stabilized enough that the customer was able to start running the second injection pump without incident. Prior to the addition of PC-410 the injection pump pressure was 800 psi, it has now decreased to 600 psi. The application of PC-410 has increased the injection rate from 50 m³/day to 500 m³/day.

