

## TRUE SUCCESSES

# PURECHEM PRODUCT ELIMINATES ASPHALTENE BUILD-UPS SAVING OPERATOR \$75,000

### Challenge

The client experienced rod hang-ups and blocked casing due to asphaltene build-ups. This well is in a CO<sub>2</sub> flood and issues were observed when the water injection is changed to CO<sub>2</sub> in the WAG cycle. The amount of gas production makes it difficult to inject continuously on this well and small sized casing eliminates the option of treating with solid chemistry. The well was having rod hang-up issues with no indication on the loads from the rod string, that there would be an imminent problem.

In the year and a half prior to PureChem treating the well, the operator had experienced six rod hang-ups. The chemical treatments to bring the well back on production were costly and typically resulted in two days of lost production time.

### Solution

PureChem Services performed asphaltene sedimentation analysis which revealed that deposits were comprised of a combination of asphaltene and paraffin. The testing revealed that PureChem's asphaltene dispersant, AC-507 would keep asphaltene molecules in solution when run at 500 ppm.

### Benefit

Not only did this solution make the operation safer by eliminating the rod hang-ups, in the year and a half since switching over to PureChem treatments, the producer has saved \$75,000 in chemical costs associated with restoring the well to production each time there was a rod hang-up.

**Area**  
Southeast Saskatchewan

**PureChem Product**  
AC-507



Product Performance Testing