

# D193

## Versatile fluid loss and gas migration control additive

### APPLICATIONS

- Control of fluid loss and annular gas migration in primary and remedial cementing operations

### BENEFITS

- Less time waiting for cement to set

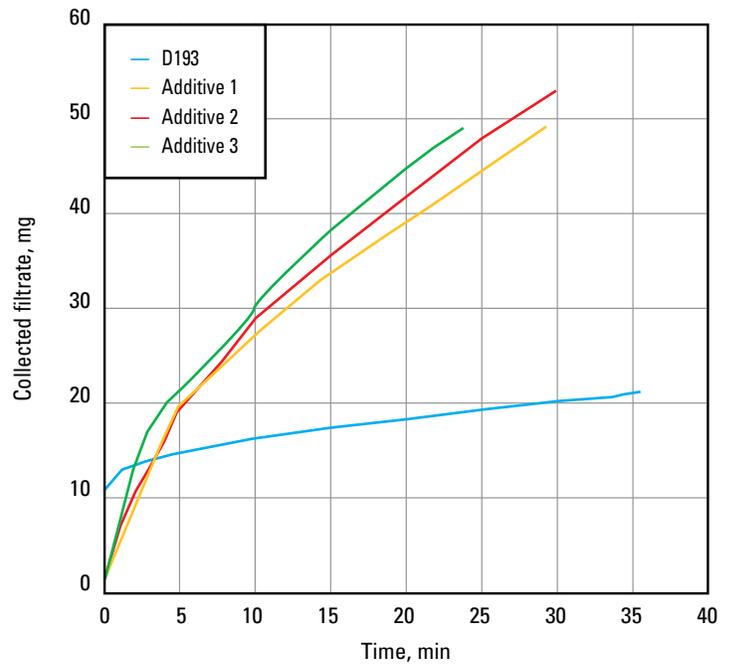
### FEATURES

- No retardation at low temperatures
- Compatibility with cement accelerators

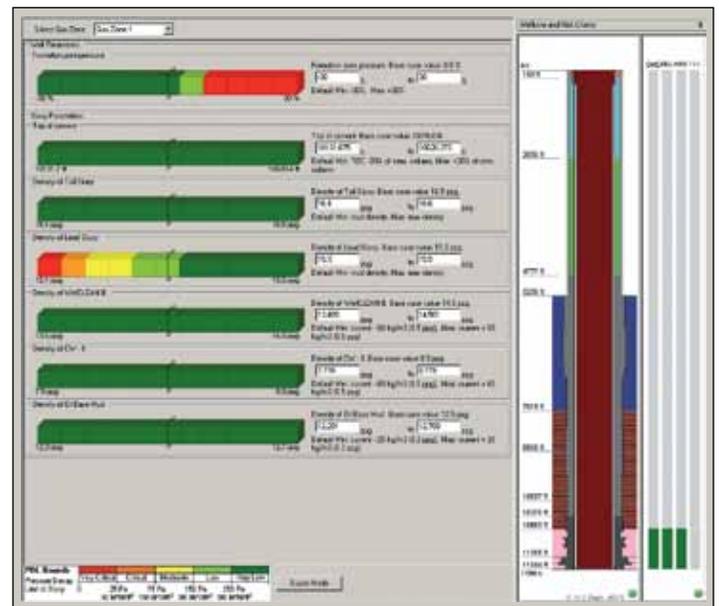
D193 is a fluid loss and gas migration control additive for low- and medium-temperature cementing applications. D193 microgel particles rapidly plug the pores within the cement, causing rapid formation of a thin, impermeable filtercake.

Test results demonstrate excellent slurry properties, low concentration requirements, reduced time waiting for cement to set, and the desired synergy with silicate extenders and cement accelerators used in lightweight slurry systems.

Because D193 slurry is not sensitive to cement types at bottomhole circulating temperatures (BHCTs) from 0 to 93 degC [32 to 200 degF], predictable thickening times and no retardation can be assured at low temperatures. The typical density range for a D193 application is from 1,020 to 2,520 kg/m<sup>3</sup> [8.5 to 21 lbm/galUS], and it can be used in up to 8% salt-saturated water environments.



Filtration rates are dramatically reduced with the pore plugging capability of D193.



Risk variables are assessed by the GasMigrationAdvisor\* evaluation support software.