

NaqiClean

Single-phase multifunction remedial system

APPLICATIONS

- Coiled tubing matrix stimulation remedial treatments in openhole reservoir sections damaged by oil-base mud (OBM)

BENEFITS

- Breaks down and disperses oil-base filtercake without mechanical agitation
- Restores productivity by returning formation wettability to a water-wet state

FEATURES

- Blend of surfactants and solvents
- Applicable at bottomhole static temperatures

NaqiClean* single-phase multifunction remedial system remediates damage caused by OBM to openhole reservoir sections. The system breaks down and removes the OBM filtercake and modifies formation wettability. Coiled tubing is used to spot the NaqiClean system to ensure optimal contact with the damaged reservoir.

This synergistic blend of surfactants and solvents penetrates, breaks down, and disperses OBM filtercake without mechanical agitation. In addition, NaqiClean system alters wettability to a water-wet state, thereby improving well productivity.

NaqiClean system has been successfully tested at temperatures up to 149 degC [300 degF].



OBM filtercake on a ceramic disc (left) is removed (right) after soaking for 12 h in NaqiClean system at 250 degF [121 degC]. No agitation was necessary.