

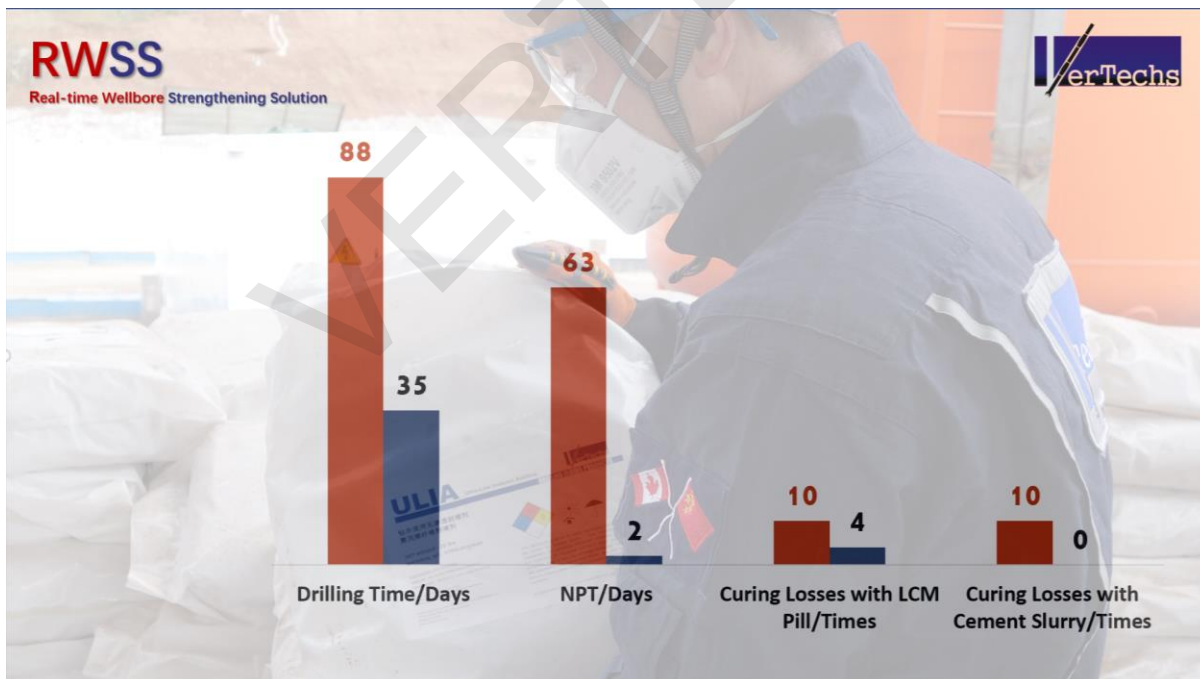
RWSS Realtime Wellbore Strengthening Solution



Vertechs' RWSS technology is designed to provide a real-time enhancement of wellbore stability during drilling instable formations which are caused by 1) low formation pressure, 2) narrow drilling window, 3) matured microfracture, 4) unstable coal layer, etc. Moreover, the patented on-site evaluation apparatus is the key to monitor & maximize the effectiveness of wellbore strengthening material. This field proven solution has been applied in various challenging wells and reduced NPT substantially related to wellbore instability and induced losses.

Features

- Instantaneously prevents losses and collapse by forming an ultralow permeability film at fluid-rock interface
- Realtime performance evaluation with patent apparatus HPIT
- Formation Protection
- Compatible with OBM/WBM/SBM



Case Study - An interval drilled with downhole complexity (Red) vs. sidetrack with Vertechs RWSS (Blue)