

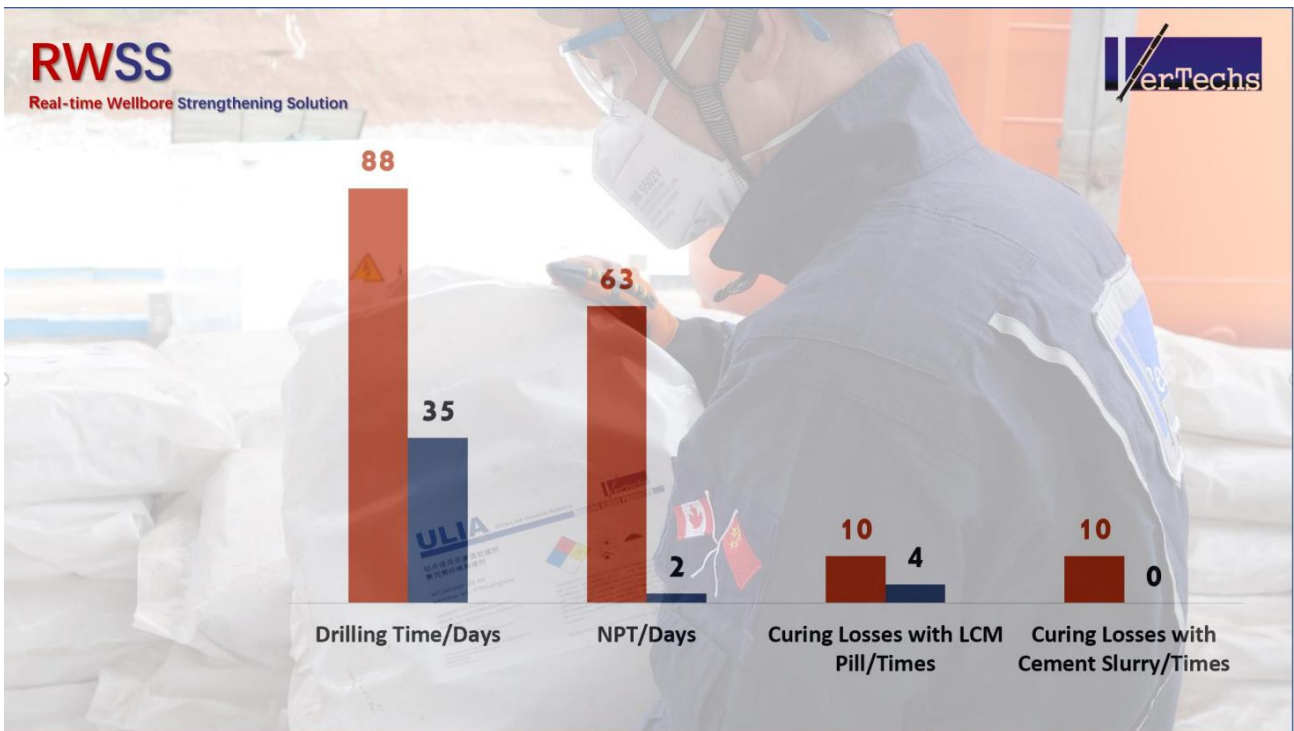
RWSS Real-time Wellbore Strengthening Solution



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 pressure 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 proved solution has been applied in various challenging wells and reduced NPT substantially related to wellbore instability and induced losses.

Features

- Effective control of induced losses while drilling
- Preventing collapse by forming very low permeability film at fluid-rock interface to stop drilling fluids invasion
- Real-time performance evaluation with patent apparatus HPIT
- Real-time invasion control optimization
- Compatible with OBM/WBM



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