

LWD Unconventional Shale Technologies

Camilo Mejia¹ and R. Ruiz¹

¹Weatherford

ABSTRACT

A new generation of LWD technologies unlocks the characterization while they drill key production drivers in shale reservoirs. LWD high-resolution acoustic images, spectral gamma ray and azimuthal slowness measurements are the core of advanced well placement and completion strategies to increase recovery factors. Integrating and applying these unique technologies enhance the reservoir evaluation that leads to a significant productivity enhancement model for shale oil and gas reservoirs.