



SANDGUARD™

RESCUING ESP PERFORMANCE IN SAND PRODUCING WELLS

Prevents shut downs becoming workovers

SandGuard™ Eliminating the No.1 cause of ESP failure in the USA and international oilfields: Sand Fallback.

Sand causes havoc for ESP systems. When the ESP shuts down for any reason, pumped sand in the tubing will fall back and build up on the pump and in the tubing. Attempting restart will destroy the ESP and cause a costly workover.

As the central feature of Multilift's **Sand Management System™**, SandGuard™ is a revolutionary new tool created and developed by Multilift that captures fallback sand and quarantines it away from the pump, making restarting of the ESP trouble free. Proven through hundreds of installations, SandGuard™ has demonstrated radically increased run times for ESPs in sandy wells.

Zero Risk - Improved Runtime - Greater Efficiency

Function

SandGuard™ is simple to install with the ESP and is positioned just above the pump discharge. Its clever design repeatedly captures fallback sand and solids to protect the pump, then, automatically self-flushes empty after trouble free ESP restart.

Operation

SandGuard™ diverts falling-back, solids to its inner chamber while at the same time allowing the fluid to drain off back through the pump. When the pump is restarted, these captured sands and solids are expelled from the chamber by the flow action of the pumped fluid through patented internal dynamic flow ports and are carried to surface. SandGuard is then ready to protect the pump at the next shutdown and all subsequent shutdowns, eliminating fallback damage to the pump.

Note: SandGuard does not prevent fluid bullheading or chemical flushes through the ESP

“ By preventing damaged pumps and costly well workovers, SandGuard™ provides an affordable safeguard against sand fallback in wells equipped with ESPs. The net result for (us) in the Mississippian Lime is significantly lower lease operating expenses, extended ESP run life, increased overall production, and dramatically reduced downtime and deferred production.”

– See AOGP article February 2016

