

Full-shroud application for ESP system prevents MLE damage, extending run life 129% in aging wells

CHALLENGES

- Aging well conditions and high dogleg severity at multiple depths made operating conditions difficult across multiple wells
- The operator noted increased equipment fatigue and an elevated risk of motor lead extension (MLE) scratching or damage from well casing
- The MLE was damaged during operations resulting in costly non-productive time (NPT)
- Repeated interventions added to well costs, NPT and overall production risks

SOLUTION

- A tailored shroud based on operators' length and specification needs was implemented to the [Baker Hughes ESP system](#)
- This solution shielded the ESP and MLE from damage that occurs in challenging, aging well conditions
- The solution also enhanced cooling, increased system reliability, and extended the run life across wells

RESULTS

129%

increase in ESP run life

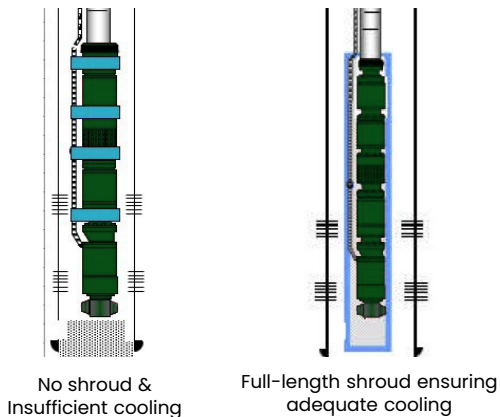
ZERO

MLE damage or NPT observed, no replacement needed

\$420k USD

savings due to no workover costs or downtime

Comparison of ESP cable protection



Cost savings breakdown: ESP shroud implementation

