

Forum's P-Quip™ System Helps Improve Mud Pump Efficiency While Reducing Cost of Ownership and HSE Risks

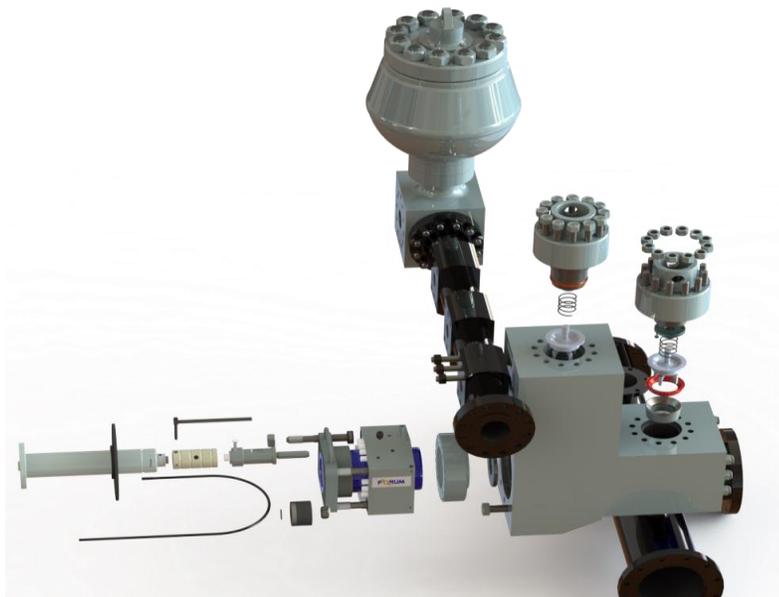
The Challenge

In an effort to gain cost advantages and performance improvements, especially in challenging economic times, operators want to use the most advanced drilling technology. To serve this demand, many drilling contractors are building new Tier 1 AC-driven rigs, as well as upgrading existing rigs. Upgrading the mud pump systems to 7,500 psi is a key component in this endeavor.

A major drilling contractor was upgrading their mud pumps from 5,000 to 7,500 psi working pressure and secured quotes from multiple vendors for each of the components. They contacted the Forum Energy Technologies Drilling team after receiving poor deliveries from other vendors on several items. The customer wanted to find one partner who could reliably supply competitively priced, high-quality products with acceptable lead times.

The Solution

The Forum Drilling team immediately resolved the customer's fluid end module delivery needs. After meeting with the contractor and fully understanding their requirements, Forum offered a comprehensive 7,500 psi upgrade solution that would eliminate multiple supply sources, resolve delivery issues, and ensure that first-rate products were installed. The Forum P-Quip 7,500 psi fluid end pump system included fluid end modules; discharge and suction manifolds; pulsation dampeners; fluid end expendables; mud gate valves; and high-performance liner retention, valve cover and rod system.



Forum's P-Quip mud pump system help improve drilling efficiency while reducing overall cost of ownership.

As part of the mud pump system conversion, Forum introduced the customer to several system components within the P-Quip system offering that had not been previously used. The contractor was able to replace their conventional original equipment manufacturer (OEM) components with the Forum system—now the standard for all new builds and upgrades—and helped reduce safety risks and downtime replacing components by up to 75 percent.

The Benefit

The customer was able to successfully complete multiple mud pump upgrades with Forum's reliable and compatible P-Quip 7,500 psi fluid end system, while avoiding delivery delays and the higher cost and uncertainty of using multiple vendors. As a result, Forum is now their single-source company of choice for future projects.

The addition of Forum's P-Quip technology drastically reduces fluid end expendable change-out times, increases efficiencies, and provides safer operations compared to conventional systems. When discussing the ease of replacing fluid end expendables while using the P-Quip system, the customer said, "It only takes 20 minutes instead of over an hour to change out a liner. We love it."