



## Apergy UNBRIDLED ESP Systems Installs Permanent Magnet Motor Powered by its SMARTEN Variable Speed Drive

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THE WOODLANDS, Texas, May 14, 2019 (GLOBE NEWSWIRE) -- Apergy Corporation ("Apergy") (NYSE: APY), announced today that Apergy UNBRIDLED ESP Systems, in partnership with Houston-based Reynolds Lift Technologies, successfully installed an electrical submersible pumping (ESP) system using a modular permanent magnet motor (PMM) powered by its SMARTEN™ for Life variable speed drive (VSD). The VSD required no modifications to the standard configuration – confirming that the field-proven SMARTEN hardware and controls software effectively operates both induction and permanent magnet motors.

The field trial of the ESP system featuring Reynolds Lift's all-stainless steel, modular 200 HP PMM combined with a standard SMARTEN VSD was installed for a customer in the Mid-Continent region. The ESP was started on the first attempt with no issues and is running flawlessly, producing 3,800 barrels of fluid per day. The well is connected to UNBRIDLED ESP Systems' LOOKOUT™ remote-monitoring service to effectively manage the ESP system's operations.

The SMARTEN VSD design also addresses one of the safety considerations when using PM motors. The drive protects field personnel from the full electrical voltage produced by back spinning when a PMM shuts down. The patent-pending touch-safe compartment separates the high-voltage, heat producing elements in the drive from the low-voltage electronics.

"We began working with Reynold Lift in November and brought a PMM solution to market in just five months, and on Apergy's first anniversary," said Ryan Rasmussen, vice president and managing director of Apergy UNBRIDLED ESP Systems. "One of the biggest challenges surrounding PMM technology is the need to switch out existing surface control systems to operate the motor. With our SMARTEN technology, that's not necessary. Any standard SMARTEN drive in the field today can operate a PMM – driving down the complexity involved in running an ESP system with a PMM. The SMARTEN technology is an example of Apergy's commitment to delivering technology with impact to advance customers' production goals," he said.

"Our in-house designed SmCo™ motor product line features patent-pending modular PMM technology that can reduce customer electricity operating expenses by more than 25 percent," said Ed Curt, chief executive officer and president of Reynolds Lift Technologies. "Also, the motors, which are drive friendly, are machined, wound and manufactured in Texas, allowing us to minimize lead times in the U.S."

### About Apergy

Apergy is a leading provider of highly engineered equipment and technologies that help companies drill for and produce oil and gas safely and efficiently around the world. Apergy's products provide efficient functioning throughout the lifecycle of a well - from drilling to completion to production. The company's Production and Automation offerings consist of artificial lift equipment and solutions, including rod pumping systems, electrical submersible pumping systems, progressing cavity pumps and drive systems and plunger lifts, as well as a full automation and digital offering consisting of equipment and software for Industrial Internet of Things ("IIoT") solutions for downhole monitoring, wellsite productivity enhancement, and asset integrity management. Apergy's Drilling Technologies offering provides market leading polycrystalline diamond cutters and bearings that result in cost effective and efficient drilling. To learn more about Apergy, visit our website at [www.apergy.com](http://www.apergy.com).

### About Reynolds Lift Technologies

Reynolds Lift Technologies is an artificial lift technology, engineering, and manufacturing company aggressively pursuing new solutions to increase efficiencies and lower production costs for customers. Reynolds offers modular PMMs ranging from 50 HP to 600 HP in all industry-standard sizes at a price point competitive with conventional induction motor systems. To learn more about Reynolds Lift, visit our website at [www.reynoldslift.com](http://www.reynoldslift.com).

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