

## New Technology Cuts Cost Of Powering Beam Pumps

SAN ANTONIO—After three years of Permian Basin field testing, the TechnoWise Group Inc. has introduced MotorWise<sup>®</sup>, a controller for alternating current induction motors. The company says the controller can reduce pumpjacks' power consumption by as much as 25 percent.

According to David Cibrian, president of MotorWise Inc., the technology was deployed on almost 2,000 pumpjacks across the Permian Basin. "Before we went to market, we wanted to prove the technology in the field, so producers would know that it works and delivers significant savings," he reports.

A review of the company's website shows that its testing partners and customers include Endeavor Energy Resources of Midland, Tx., which reduced its electricity bill for 578 pumpjacks by 25 percent, and Legacy Resources Co., also of Midland, which cut its electricity bill for 187 pumpjacks by 20 percent. Both companies also report spending less on motor maintenance.

MotorWise reduces energy consumption by matching the voltage that reaches

the motor to its load, Cibrian says. The device adjusts the voltage several times a second and even can shut the motor down completely when no energy is needed, Cibrian says, noting that the controller includes a soft start feature. "Together with the lower voltages, the soft starter reduces demand charges, wear and tear, and noise," he reports.

MotorWise will work with any AC induction motor that is rated for 100 horsepower or less and used in an application with a variable load, says Marc Gilmour, the company's vice president of sales and service. He adds that each unit costs \$3,500 or less, depending on motor horsepower. The controller installs quickly, with no motor modifications required, and requires no maintenance.

"The energy savings are significant enough and the cost low enough that the payback period can be as short as 20 months," Gilmour says.

For information, contact MotorWise Inc. at 210-828-7134 or visit [www.technowisegroup.com](http://www.technowisegroup.com). □



The MotorWise<sup>®</sup> alternating current motor controller reduces pumpjacks' energy consumption and extends motor life, reports MotorWise Inc. President David Cibrian. He says the product is ready for commercial release after three years of field testing.



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PERFORMANCE



30 HP, 60 HP and 100 HP

**“ Our analysis proves that we are saving significant amounts of both consumed and demand energy which consequently translates into proven monetary savings of 25.81% to date as evidenced by 12 months of utility bills. Endeavor Energy Resources ”**

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