

PERFECTING PUMP PERFORMANCE

Stellar Tech's WellMax data logger and well optimization system provides precise pump monitoring and control



You can't effectively manage what you can't accurately measure.

And when it comes to measuring wellsite pump performance and using that information to optimize production, nothing beats the WellMax Data Logger and Controller System manufactured and marketed by Stellar Tech Energy Services.

The WellMax System records and stores seamless real-time data on well performance that well owners can use to identify any problems, optimize production, and help maintain and extend the life of pumping systems.

When used as a simple data logger, the WellMax provides the performance history of the well site.

"The operator can get a 30-day history on the site, and that data becomes valuable if there are issues or questions on production," says Stellar Tech Founder and President Steven Timoffee. "Having the history can save analysis time for engineers. They can quickly identify problems thus minimize loss production and man-hours. The end result is maximized production and minimized maintenance costs."

But Timoffee says where the WellMax really shines is in providing the continuous data stream necessary to optimize well performance using the controller system.

"Operators can use the data collected to set-up control parameters for optimization," he explains. "That's when the system really starts paying for itself. The system can pay for itself in three to six months, depending on the well's production capability."

Timoffee says the WellMax system has been designed for versatility. It works with all pump systems, but has mostly been used on PCP and ESP systems in various countries around the world. It can also be integrated into any brand of variable frequency drive or motor controller. Stellar Tech works with oil companies, pump companies and variable frequency drive providers to integrate the WellMax into new and existing systems being installed in the field.

Other data streams from flow sensor or downhole pressure sensors can be stored in the WellMax for use as extra inputs that can be used to optimize well performance.

As well as on-site graphing and display, the WellMax can remotely and economically access pump performance data in real time via the internet and our compact Windows program called WinWellMax. Stellar Tech also offers a 3-D mapping system called WellVision that enable producers to monitor individual wells and entire fields equipped with WellMax systems.

"They can see how things are going in real time and can remotely review the entire field and save pump performance information to a database," explains Timoffee.

The WellMax system has been designed for ease of use, Timoffee adds. "We really took the approach that we wanted the system to be user-friendly. Here in Canada, sometimes farmers and other non-technical people are hired to operate well sites. We didn't want a system where people had to be engineers to figure out how to use it."

So far, the employee owned and operated company has installed over 2,000 WellMax Systems in western Canada with an equal number in other parts of the world such as Venezuela, Kazakhstan, Trinidad, Argentina, Chile, and Oman. Timoffee expects this number to dramatically increase as operators become even more cost-focused and recognize the need for optimization of their wells. The company's success has been validated by its growing number of competitors in the marketplace, but Timoffee is confident the WellMax remains a front-runner in the well-optimization game. Our team understands pump systems and well conditions. We can provide valuable recommendations from the data collected by the WellMax units.

"Stellar Tech's WellMax combines data logging, pump protection, optimization, on-site historical display, and optional remote monitoring and control capabilities," he explains. "When we talk to people inquiring about the WellMax, they are pleasantly surprised with the low cost. After the WellMax is installed at the well-site, the operators and engineers wonder how they lived without it."

WELLMAX™
DATA LOGGER AND CONTROLLER

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