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## **GST-WELLDog COMPLETES COALBED METHANE BEST PRACTICES STUDY**

*Stripper Well Consortium grant funding was directed at improving multizone completion success for coalbed methane wells*

**Laramie, Wyo** (March 12, 2009)—GST-WellDog announced today that it has completed a study establishing best practices for improving multizone completion success in coalbed methane wells. The study demonstrated how technical evaluation of coalbed production potential can be used to produce more gas and less water from multizone wells.

“We found that the reality of coalbed reservoirs contradicts the conventional wisdom when it comes to multizone completions,” John M. Pope, Ph.D., president & CEO of GST-WellDog. “Our testing revealed a surprising result – the shallower coals in this area hold more gas and less water. Clearly, with seam-by-seam testing it is possible to decrease the water-gas production ratio for multizone wells and increase operator profit.”

The study, performed in partnership with Black Diamond Energy Inc. of Buffalo, Wyoming, involved using technical evaluation of the production potentials of eight different coalbed methane seams to guide how twelve multizone wells intersecting those seams would be completed. Initial and off-set production results were correlated to the reservoir tests in order to evaluate how detailed reservoir evaluation affected operator profit and water production from the field development. A summary of the study is available on the web at [http://www.welldog.com/GST-WellDog\\_case-study\\_0803.pdf](http://www.welldog.com/GST-WellDog_case-study_0803.pdf).

### **ABOUT STRIPPER WELL CONSORTIUM**

The Stripper Well Consortium (SWC) is an industry-driven consortium that is focused on the development, demonstration, and deployment of new technologies needed to improve the production performance of natural gas and petroleum stripper wells. SWC is comprised of natural gas and petroleum producers, service companies, industry consultants, universities, and industrial trade organizations. The Strategic Center for Natural Gas, the National Petroleum Technology Office, and the New York State Energy Research and Development Authority provide base funding and guidance to the consortium. By

pooling financial and human resources, the SWC membership can economically develop technologies that will extend the life and production of the nation's stripper wells. More information is available on the web at <http://www.energy.psu.edu/swc/>.

#### ABOUT GST-WELLDog

Gas Sensing Technology Corp. (GST-WellDog) is a privately held company that uses innovative technologies to evaluate in situ the geochemistry and geophysics of unconventional hydrocarbon reservoirs, resulting in increased gas production as well as reduced costs and environmental impact for clients. Ten years ago, the principals of GST-WellDog began using Raman spectroscopy to create a tool capable of measuring gas content in coalbed reservoirs. Along the way, they pioneered advances in spectrometer miniaturization, harsh environment sensing, coalbed reservoir simulation, and coalbed reservoir geochemistry. Recently, the company has adapted the platform GST-WellDog technology to address key challenges in shale gas and carbon sequestration. More information is available on the web at [www.welldog.com](http://www.welldog.com).