

**FREEWAVE TECHNOLOGIES' JIM GARDNER AND DAN STEELE TO  
PRESENT AT ANNUAL GAS WELL DELIQUIFICATION WORKSHOP**

*Company executives to present on topics relating to wireless solutions and data radio communications in gas field automation and optimization*

**WHO: Jim Gardner**  
Oil and Gas Industry Manager  
FreeWave Technologies, Inc.  
([www.freewave.com](http://www.freewave.com))

Jim Gardner is a seasoned industry veteran in SCADA and data collection technologies and the oil and gas industry manager at FreeWave. Gardner has worked in the oil and gas industry since 1975 in various management positions, including as Regional Manager, AMF Tuboscope; as senior vice president and general manager at PRS; as senior vice president and general manager at Remote Operating Systems (ROS); and, as product manager at ABB Totalflow. He joined FreeWave in 2001 as an oil and gas sales manager responsible for launching the company's products into the oil and gas industry. He currently is a member of ENTELEC, ASGMT and ISHM.

**Dan Steele**  
Regional Manager  
FreeWave Technologies, Inc.  
([www.freewave.com](http://www.freewave.com))

Daniel G. Steele is a regional manager at FreeWave Technologies, Inc. Steele has more than 25 years experience selling SCADA networks for the irrigation, water and wastewater, oil and gas, electric utilities, railroad, traffic and process control instrumentation markets. Some of Steele's previous experience includes working as a system integrator; as a branch manager for Water Works Equipment; as a regional sales manager for Rockwell Automation; as a regional area manager for Microwave Data Systems; and, as a senior vice president of sales for Bluewave Antenna Systems.

Founded in 1993, FreeWave Technologies is a world leader in the innovative design/manufacture of license-free spread spectrum, licensed band radios and wireless data solutions that are trusted for mission critical applications around the world ([www.freewave.com](http://www.freewave.com)).

**WHAT: New Spread Spectrum Radios for Today's Low-speed SCADA Networks**

*Wednesday, February 22, 2012 from 2:30 p.m. — 3 p.m. MST  
Plaza Room AB*

In a SCADA network climate with restricted options in the licensed radio spectrum, unlicensed spread spectrum radio frequencies that operate in 902-928MHz and 2.4GHz bands for frequency hopping radios offer a compelling argument. Licensed channels also come with hitches, such as narrow bandwidth, limited data, secondary user status, government licensing fees, renewable fees later and interference from adjacent or collocated channels or RF harmonics. Some companies offering the latest technology today can make sure you have a robust spread spectrum radio network even in a noisy RF environment by having ways to collocate several master radios at one location to minimize interference.

Dan Steele will provide attendees with specific ways companies can analyze, set up and deploy robust spread spectrum radio networks to save costs on radio network deployment, achieve faster data speeds, provide robust and consistent data to their host SCADA software and help drive maintenance and monthly costs down.

**Wireless Communication to a Plunger Lift Well**

*Wednesday, February 22, 2012 from 3 p.m. — 3:30 p.m. MST  
Plaza Room AB*

Traditionally, an operator was required to manually shut in a well to create pressure downhole in wells that suffered from heavy fluid loads. Artificial lift is a method used to build enough downhole pressure to lift or produce the liquid from the well. With options for communicating plunger lift data to the RTU being wired or wireless, producers have a decision to consider. This paper is intended to enable that decision with valuable information.

Jim Gardner will review artificial lift and teach attendees how to navigate the decision between wired or wireless solutions in regards to their artificial lift systems. His paper will explore the viable, reliable and robust qualities of wireless tools which keep them on par with, and in some cases, superior to the wired solution competitors.

**WHERE:** **10<sup>th</sup> Annual Gas Well Deliquification Workshop**  
Sheraton Denver Hotel  
1550 Court Place  
Denver, CO 80202

**WHEN:** Sunday, Feb. 19 through Wednesday, Feb. 22

**CONTACT:** For more information on FreeWave, or to set up an interview with Mr. Gardner or Mr. Steele, please contact:

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