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*Wireless IO for plunger lift saves thousands of dollars per wellhead & improves the reliability of communications.*

*"After implementing wireless IO for plunger lift, I knew we'd never dig another trench."*



### **Wireless IO Proven Reliable & Cost Effective**

FreeWave offers the most reliable, economical solution for the transmission of plunger lift data, including casing and tubing pressures, temperature, plunger arrival, tank levels, and signals to actuate (open/close) valves.

Typically, communication of plunger lift data has required trenching and the installation of wires from each wellhead to a dedicated controller (RTU), a solution that is very costly and time consuming to install and maintain. In addition, wires are vulnerable to damage such as lightning and installation has an environmental impact that must be mitigated.

By comparison, wireless IO eliminates conduit and enables the use of one controller to support multiple wellheads, thereby significantly reducing cost. A FreeWave wireless IO radio can be installed on each wellhead and communicate back to a central controller. At a cost of \$2,500-3,000 per controller and \$15-\$25 per foot to run wire to each wellhead, wireless IO provides tremendous cost savings. Customers have reported savings of \$4,000-\$10,000 per wellhead.

Wireless IO can also support long distances (miles versus feet for wired installations) and equipment can easily be redeployed from one location to another. FreeWave radios are renowned for high performance and low power consumption and can operate from solar/battery in areas where electricity is either not available or limited.

### **Superior Performance, Scalable for Growth**

FreeWave provides seamless, reliable, scalable solutions from the first location to the last. The FreeWave product suite, specifically designed for oil and gas companies, includes high speed Ethernet radios, reliable serial and licensed data radios, IO radios, and Class 1-Div 2 products. FreeWave radios are renowned for RF performance and superior sensitivity – the ability to operate in highly congested environments. Further, every FreeWave radio is tested for RF performance and is forward and backward compatible with all radios within the product family. Adding wellheads and deploying additional IO points to an existing network is incremental.

### **FreeWave - The Leader in Oil & Gas**

FreeWave has the fastest growing installed base of radios in the oil and gas industry. Used by 8 of the top 10 oil and gas producers in the US and in regions throughout the world, FreeWave radios provide reliable data communications from the office to the wellhead for a wide range of applications, including well optimization, tank level monitoring, plunger lift, valve control, temperature and pressure monitoring, cathodic protection, and more.

### **Additional Information**

For additional information, please contact us at 303.381.9200 or via email at [sales@freewave.com](mailto:sales@freewave.com) and visit our web site at [www.freewave.com](http://www.freewave.com).