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“Sixnet’s wireless gateways and RTUs together supplied a top notch single-source solution for our clients in the oil industry.”

*- Krzysztof Palka, President,
Pumpwell Solutions*

LOCATION:
Calgary, Alberta, Canada

INDUSTRY:
Oil

PROJECT SCOPE:

PumpWell Solutions utilizes patent-pending proprietary methods to find and implement superior well operating parameters. Requiring precisely accurate operation control, PumpWell employs advanced AC motor speed technology coupled with powerful computer, communication and external sensor components to maximize oil production while minimizing energy consumption and equipment breakdown. The company required a monitoring and control solution to optimize equipment, increase production, improve security and reduce total cost of ownership.

SOLUTION:

PumpWell deployed a combination of Sixnet RTUs and wireless gateways for datalogging at the well head, central data retrieval and archive storage center. Sixnet’s IPm2m RTU controller enables PumpWell to reliably control pump jack operation and datalogging. Working with the EtherTRAK™ combo module for fast 5mS analog input, the controller provides accurate pump stroke position readings. Additionally, Sixnet’s wireless IndustrialPro™ BT-6621 EVDO gateway with built in 5-port Ethernet switch is used to connect the well pump’s Ethernet drive and the ET-8DI2-8DO2-H module to the VT-IPm2m controller. The cellular gateway delivers direct communication between the remote control center and multiple IP field devices, thereby eliminating the need for remote site visits.

BENEFITS:

Sixnet's IPm2m RTU, EtherTRAK module and IndustrialPro gateway worked together to help PumpWell increase production and improve performance by making wells more profitable and efficient. The end result:

- Eliminates remote site visits to reduce total cost of ownership
- Facilitates connectivity in space-constrained locations
- Protects infrastructure through advanced, built-in security
- Easy communication to multiple remote IP devices

PRODUCTS:

Model	Description
VT-IPM2M-213-D	RTU and datalogger
ET-8AI2-8DI2-H	I/O module 4-20 mA (14-bit) ins and 4-20 mA (16-bit) outs
BT-6621	IndustrialPro gateway EVDO



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