

## PEMEX Natural Gas Production

*Initial Objective: Automate 24 Sites in Rural Villahermosa, Mexico using Radio Telemetry*

### PEMEX System

This particular project involved using Radio Telemetry to monitor remote gas production sites. The operators needed a central PC to retrieve the production data, view site status, and perform shut downs. Data included AGA-3 calculations from the flow computer (SM805-AGA-3).

NBT, the telemetry division of EPG Companies Inc. designed, assembled, programmed, tested, and documented, the complete system in the factory. Just 5 weeks after receipt of the order, NBT shipped a complete, turn-key SCADA system that matched the customer's specifications. Once received, the mostly Spanish speaking engineers, used NBT's provided documentation to install the entire system. The SCADA PC was also setup and started without on-site factory support.

NBT systems are engineered for remote environments. All equipment supplied is specifically designed for field applications and through testing ensures less maintenance and downtime.

The PEMEX system has been in and running without a glitch. There have been NO system problems related to the telemetry equipment. Additional stations and systems have also been added since the original system. Other gas production monitoring systems are in varying



stages of completion. The scope of these additional systems has increased, now including automatic report generation and increased point counts.

Most systems integrate bits and pieces of hardware and software from different sources. This is normally required to meet the varying specifications between systems. NBT equipment has the built-in flexibility and functionality to fulfill the requirements of virtually any system. From Gas and Electric applications to Landfill, Municipal Utilities and Industrial applications, NBT has the solution. Additionally, all NBT products feature the industry standard MODBUS protocol which

ensures open connectivity to any existing or new systems.

NBT directly designs, manufactures and supports a full range of telemetry products, from RTUs, PLCs and Modems to Software and accessories. NBT supplied products are engineered and tested to work together long before you get them and are backed by unequalled support.

NBT automation systems have been designed to provide complete control over any field operation, from monitoring vital signals, levels, and temperatures, to performing control functions and complex calculations.