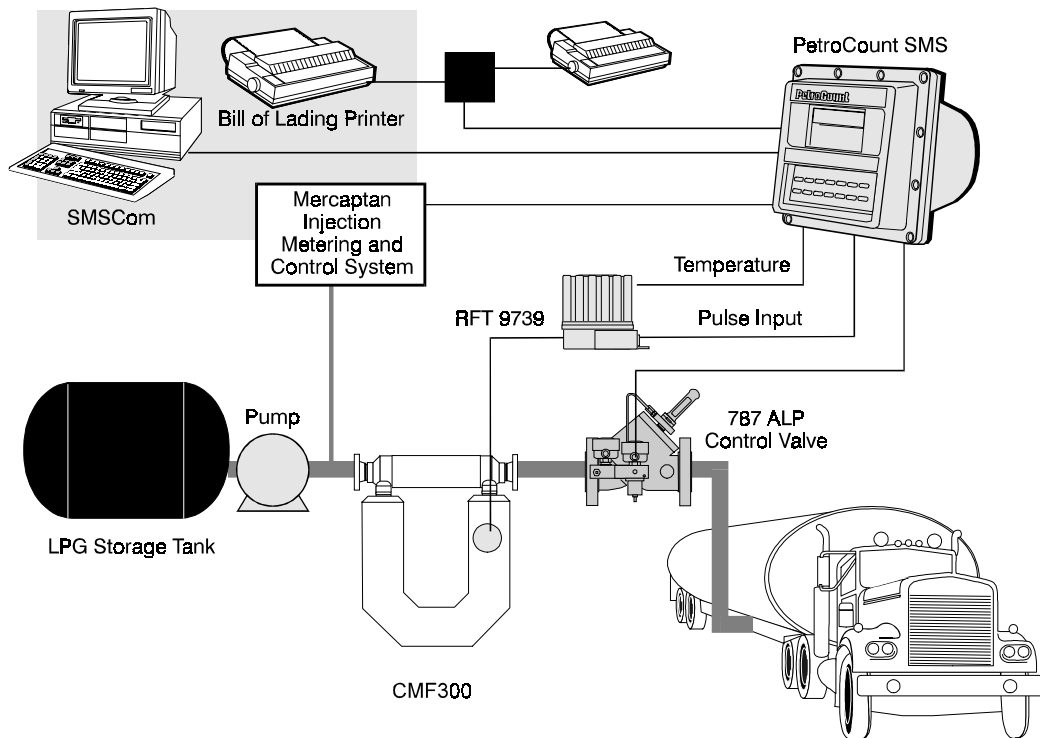


**APPLICATION: Truck loading of light hydrocarbons****PROBLEM:**

Precision measurement and control of liquified Propane while loading trucks. Integration of other critical tasks like control of Mercaptan additive, printing bill of lading ticket, safety permissives, etc. is also a difficulty. Being non-lubricative and dry in nature, LPG is difficult to measure with conventional volumetric meters.

**EQUIPMENT:**

Micro Motion Coriolis meters were proposed for volumetric flow rate and the electronic presets and valves offered for flow computation, compensation and control. A Mercaptan injection system was integrated with the preset controller. Two CMF300 sensors with RFT 9739, a 3", 300# 787ALP Valve, PetroCount SMS and EGC's additive injection system was installed during November '95.

**BENEFITS:**

- Coriolis meters proved to be an excellent metering option for light and dry hydrocarbon products due to low maintenance requirements (no moving parts)
- Brooks 787ALP valve offers two stage operation with differential pressure control, excess flow shutdown, separate opening and closing speed adjustment and thermal relief which are essential for loading light hydrocarbons.
- SMS provides integrated measurement and control of flow, mercaptan additive and printing configurable tickets.
- Capability for ticket printing through low multidropping.
- Modem support for PetroCount SMS provides real time product service/support during start-up and maintenance

**CUSTOMER:** Propane supplier in mid-western United States

**SUBMITTED BY:** Mike Bridgforth, EGC-Tulsa, OK