

## APPLICATION: **LPG Measurement System**

### PROBLEM:

LPG (Liquified Petroleum Gas) is a dry, non-lubricating fluid that can cause excessive wear on mechanical flow meters. The requirement is to accurately measure flow and density of high pressure LPG's over a high turndown range in a cost-effective method.

### EQUIPMENT:

Micro Motion CMF200 Elite Coriolis Sensor with RFT9739 Transmitter and Panel-Tek Proving Interface Module, all skid mounted with meter proving connections and pycnometer taps.

### BENEFITS:

- Low cost of ownership through reduced maintenance (no need for meter parts).
- Reduction in equipment purchases. Specifically no densitometer was required since the Coriolis Sensor is a multi-variable meter and will be used as both a volumetric meter and a densitometer.
- Ease of proving with the Panel-Tek Proving Module. The proving contractor is able to easily plug into the sensor proving pulse output without disrupting or disturbing peripheral devices.
- Increased flow range with the CMF200 versus a conventional turbine or PD meter. Since production at the customer's plant varies, the specifications called for a turndown range of almost 100:1.



### CUSTOMER:

Major Hydrocarbon Producer in South Texas, USA

### SUBMITTED BY:

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