



# Application Case Study

---

Product	<b>805PT Pressure Transmitter</b>
Application	<b>Casing and Tubing</b>

---

## The Application

Oil and gas production companies use analog transmitters for monitoring the casing and tubing pressures of individual wellheads. This provides cost effective continuous monitoring at a wellhead site.

These transmitters are sometimes installed inside an enclosure with an isolation valve for each. When isolated, a pressure source can be connected to the transmitter for calibration purposes. Continuous transmitters are also be used for:

- Determining the proper timing of the artificial lift to optimize well production
- Turning auxiliary equipment "on and off", i.e. gas compressors, pumps, etc.
- Helping calculate flow by feeding pressures into a flow meter device
- Providing record keeping

## The Challenge

To avoid damage when 'workover' crews come to service the wellhead, the casing and tubing pressure transmitters are often remotely located as shown here. Finding a low cost transmitter capable of withstanding the rigors of an oil field application can be a challenge. In this case, the competitor's product was actually being crushed when crews used a pipe wrench for installation.

## The Solution

Another transmitter was not lasting long enough and the customer needed a more durable product. The SOR® 805PT pressure transmitter was used because the housing is cast stainless steel and was designed for harsh and rugged environments such as this.

Benefits of using the 805PT:

- Low cost of ownership
- Robust cast housing
- Explosion proof
- Hermetically sealed
- Three year warranty

## The Result

This customer no longer has to continually replace transmitters due to crushed housings, and continues to buy the 805PT from SOR.

