

Monitored Low Pressure Pilot Valves Help Upstream Producer Achieve ESG Objectives

RESULTS

- Conversion from tank vents to low pressure pilot valves to reduce emissions
- Minimized carbon footprint
- Real-time notification of relief events

APPLICATION

Pressure Relief Valves

CUSTOMER

Upstream producer in the Permian Basin

CHALLENGE

This independent producer engaged Emerson early as their well pad strategy evolved. Historically, this customer used tank vents for overpressure protection but due to new higher operating pressure requirements they needed an updated technology solution that also increased visibility into their operations.

SOLUTION

The Emerson team offered a low pressure pilot valve to meet these higher operating pressure requirements. After a successful trial, they standardized on a package including valve monitoring to gain real-time visibility into their valve's performance. The bubble tight operation of the pilot valves combined with PRV monitoring helped them meet their carbon emissions and flare intensity goals.

RESOURCES

PRV Monitoring Application Guide
 PRV Monitoring Demo Video
 Anderson Greenwood™ 9300 Catalog



An upstream producer now uses low pressure pilot valves outfitted with PRV monitoring technology to meet their carbon emissions and flare intensity goals.



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