CASE STUDY • OIL & GAS

SUCCESSFUL TRIAL TESTING OF THE ROXAR 2600 MULTIPHASE FLOW METER IN VACA MUERTA, ARGENTINA

Customer

An operator in Vaca Muerta, Argentina

Application

Unconventional oil well production

Challenge

An operator with assets in the Vaca Muerta shale play in Argentina is continually looking to the future, to examine their metering philosophy and adapt where it makes sense to adapt. The operator rents flowback separator equipment at the well pads for three to four months. An opportunity was identified to enhance efficiency with use of the Roxar™ 2600 Multiphase Flow Meter (MPFM). Before committing to a new measurement instrument, trial testing is required, to test and prove performance capabilities.

Solution

Emerson entered into a period of trial testing. A Roxar 2600 Multiphase Flow Meter was installed at three different well pads. At each location, rotational well testing was performed, to provide individual well, real-time, high-resolution data. Results were verified with the use of a reference separator. Performance was proven, with the Roxar 2600 MPFM providing high accuracy, repeatable performance, trending well with separator data.

Testing was performed in collaboration with Emerson, providing and supporting the Roxar 2600 MPFM as needed, a well testing service provider, who provided the reference separator and performed the field activities relating to the Roxar 2600 MPFM, and the operator, who defined the requirements and scope of testing. This was proven to be very successful.

Results

- Successful trial testing performed
- Enhanced measurement resolution and reduced OPEX costs
- Successful collaborative working relationship between operator, well testing service provider and Emerson

Image 1. *The Roxar 2600 MPFM installed on site during trial testing*

EMERSON™

SUCCESSFUL TRIAL TESTING OF THE ROXAR 2600 MULTIPHASE FLOW METER IN VACA MUERTA, ARGENTINA

With successful trial testing, the operator can be confident moving forward with installation of the Roxar 2600 MPFM, assured the instrument meets their measurement needs.

The solution tested offers the operator the opportunity to reduce the OPEX costs related to flowback equipment rental, while simultaneously achieving high resolution, real-time data. The measurement solution enhances the tracking and control of the initial production of a well pad in the early phases of its lifetime.

Roxar 2600 MPFM is proven to be an effective measurement solution for rotational well test measurement of shale oil wells.

Resources

Multiphase Flow Measurement
Emerson.com/RoxarMultiphaseFlowMeasurement

Roxar 2600 Multiphase Flow Meter
Emerson.com/Roxar2600MPFM

Image 2. *The Roxar 2600 Multiphase Flow Meter installed on a well pad in Vaca Muerta*

For more information, visit
Emerson.com/Roxar

The Emerson logo is a trademark and service mark of Emerson Electric Co.
Roxar is a registered trademark of one of the Emerson family of companies.
All other marks are the property of their respective owners.
©2024 Emerson Electric Co. All rights reserved.

00830-0400-2600 Rev AA, May 2024

ROXAR™

EMERSON™