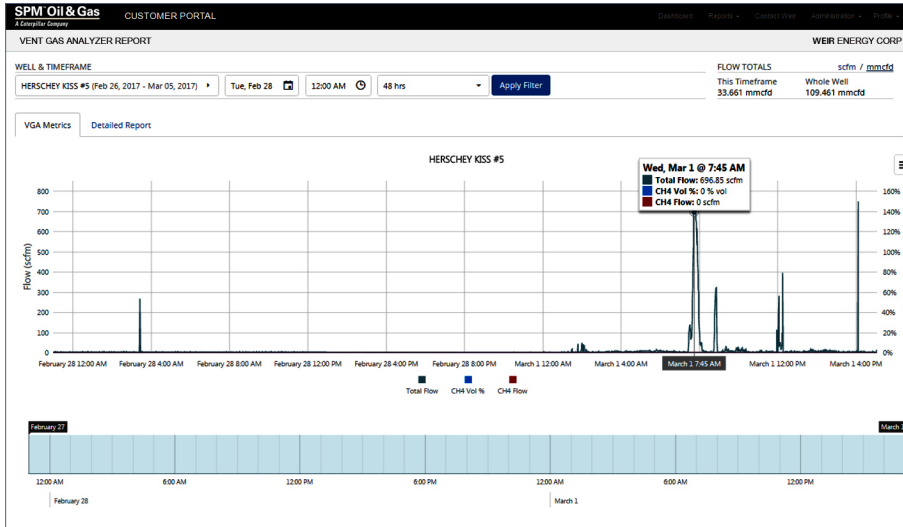


# Vent-Gas Analyzer Intelligent System (VGA-ISF)

**SPM™ Oil & Gas**  
A Caterpillar Company



## Accurate Measurements and EPA Reporting

Visually monitoring vent gas and flare performance is an inexact process, prone to human error. The Mathena™ Vent-Gas Analyzer offers a revolutionary alternative for drilling and flowback applications, integrating a gas-flow meter and vent-gas analyzer in an intelligent system platform. With real-time data accessible from a local control panel, operators can now accurately measure flow rates and gas volume for CH<sub>4</sub> and total gas, allowing for better reservoir evaluation and more precise EPA reporting compliance. Information can be recorded and accessed through a cloud-based customer portal.

### Overview

- Works with the SPM Oil & Gas Pressure Control unit (WPC-IS), which can be deployed as a stand-alone product or integrate with multiple IS products, such as the Mathena™ Mud-Gas Separator (MGS-ISF)
- Can operate in tandem with the Mathena™ Eco-Tank ISL for flowback operations, allowing you to monitor liquid levels in the eco-tank to prevent overflow, potential fluid spills, and ground contamination
- System integration capability with Pason, MD Totco, and other EDR platforms via WITS communication protocol or stand alone with GSM data transfer for flowback operations
- Available for rent, with service centers in every basin; fully inspected and recertified after every job
- Two-to-four weeks lead time for installation and deployment

### Features

- Real-time local monitoring of wellbore gas returns for CH<sub>4</sub> and total gas volumes, including a local H<sub>2</sub>S alarm
- Provides another data source for wellbore and reservoir evaluation
- Local and remote access, connecting customers with data via text, email, or cloud-based portal
- Data that can be stored, shared, and reported for future reference, as well as integrated into other data-collection parameters for a more comprehensive evaluation
- Reporting of CH<sub>4</sub> and total gas flow rates, along with total volume of CH<sub>4</sub> and total gas over specific time periods and/or wells
- Flow meter probe specialized for wet gas applications, to improve reliability and accuracy

### Benefits

- Replaces guesswork with accurate measurements
- Allows for better wellbore and reservoir evaluation decisions and EPA reporting via precise historical data
- Provides convenient access to real-time data via local control panel

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