

# Most Productive US Coal Bed Methane Basin Produced Using Emerson RTUs and Flow Computers

## RESULTS

- Monitoring and control of over 10,000 remote wells in the San Juan Basin, covering 7,500 square miles
- Includes local well control, deliquidification, gathering, compression, and preliminary processing
- Turnkey solutions include RTU, enclosures, battery, power systems, and communications
- Solution delivers production optimization, minimized field manpower requirements, and enhanced safety and environmental responsiveness



## APPLICATION

Monitoring, control, and deliquidification of coal bed methane field

## CUSTOMER

Multiple oil and gas companies, comprising 95% of total basin production

## CHALLENGE

Coal bed methane comprises a significant source of natural gas production within the United States, and presents unique challenges. Extracting the methane gas resident in subsurface coal seams requires a large number of wells, typically spread out over a significantly large geography. Additionally many wells require deliquidification either initially or continuously over the life of the well. Given the remote and geographically-dispersed nature of the formation, having a means to safely and reliably produce, monitor, and optimize production is critical.

*More than 4,000 RTUs have been deployed to monitor and control over 10,000 wells – providing process and production monitoring, fiscal measurement, production control, and emergency shutdown logic.*

## SOLUTION

Turnkey solutions have been developed for single, double, and quadruple wellpad designs. Leveraging these, more than 4,000 RTUs have been deployed to monitor and control over 10,000 wells. These RTUs provide process and production monitoring, fiscal measurement, production control, and emergency shutdown logic. The low power solar capability, battery backup, and integrated communications provided reliable operation in remote areas. Autonomous control and optimization improved performance and safety, while enabling remote monitoring and reducing need for field visits.



### Global Headquarters

Emerson Process Management  
Remote Automation Solutions  
6005 Rogerdale Road  
Houston, TX, USA 77072  
T +1 281 879 2699  
F +1 281 988 4445

[www.EmersonProcess.com/Remote](http://www.EmersonProcess.com/Remote)



### Europe

Emerson Process Management  
Remote Automation Solutions  
Unit 8, Waterfront Business Park  
Dudley Road, Brierley Hill  
Dudley, UK DY5 1LX  
T +44 1384 487200  
F +44 1384 487258



### North America and Latin America

Emerson Process Management  
Remote Automation Solutions  
6005 Rogerdale Road  
Houston, TX, USA 77072  
T +1 281 879 2699  
F +1 281 988 4445



### Middle East and Africa

Emerson Process Management  
Remote Automation Solutions  
Emerson FZE  
PO Box 17033  
Jebel Ali Free Zone - South 2  
Dubai, UAE  
T +971 4 81 18100  
F +1 281 988 4445



### Asia Pacific

Emerson Process Management  
Remote Automation Solutions  
1 Pandan Crescent  
Singapore 128461  
T +65 6777 8211  
F +65 6777 0947

© 2013 Remote Automation Solutions, a business unit of Emerson Process Management. All rights reserved.

Emerson Process Management Ltd, Remote Automation Solutions (UK), is a wholly owned subsidiary of Emerson Electric Co. doing business as Remote Automation Solutions, a business unit of Emerson Process Management. FloBoss, ROCLINK, ControlWave, Helicoid, OpenEnterprise, and METCO are trademarks of Remote Automation Solutions. AMS, PlantWeb, and the PlantWeb logo are marks of Emerson Electric Co. The Emerson logo is a trademark and service mark of the Emerson Electric Co. All other marks are property of their respective owners.

The contents of this publication are presented for informational purposes only. While every effort has been made to ensure informational accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. Remote Automation Solutions reserves the right to modify or improve the designs or specifications of such products at any time without notice. All sales are governed by Remote Automation Solutions' terms and conditions which are available upon request. Remote Automation Solutions does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Remote Automation Solutions product remains solely with the purchaser and end-user.