

Oil Production Company Increases Operational Efficiency By Reducing Time Spent at Wellsite

RESULTS

- 5% less time spent at the wellsite due to dramatically reduced failure rates and troubleshooting
- Increased field production because of time saved
- Reduced personnel risks with less time spent at the well



APPLICATION

Pressure measurements on all new oil producing wells placed online.

Application Characteristics: Wells are part of water and steam injection fields with less than 100 psi of tubing pressure with an average production of 25 bbls/day.

CUSTOMER

Leading oil producer in North America

CHALLENGE

Increasing demand for oil is driving the need to drill more wells. The growing number of wells and the use of low quality instrumentation was putting a strain on field operations. More maintenance and scheduled wellsite visits placed an emphasis on maintaining production rather than optimizing and increasing field production. This company's fields have more than 3,000 producing wells and an additional 300 wells being drilled each year. The cost of maintaining high producing wells was four times the cost of low producing wells.

The customer was using pressure instrumentation for the following applications:

- tubing and casing (annulus)
- flowline measurement
- flow pattern detection
- progressive cavity pump monitoring

The Rosemount 3051S provided the highest accuracy available on the market to aid their reservoir engineering groups with field characterization and determining ideal well locations.



ROSEMOUNT[®]

For more information:
www.rosemount.com


EMERSON[™]
Process Management

SOLUTION

In order for field operations to refocus on increasing field production, the oil producer turned to the Rosemount 3051S Series from Emerson for all their new wells and high producing retrofits. Utilizing the industry-leading pressure transmitter, the oil producer experienced the value of the 10-year stability guarantee and 12-year warranty, which allowed field operations to focus on value added operations, such as field optimization. Also, by reducing time spent at the wellsite troubleshooting or replacing faulty instrumentation, personnel safety risks were reduced.

The Rosemount 3051S provided the highest accuracy available on the market to aid their reservoir engineering groups with field characterization and determining ideal well locations. The 3051S also provided a scalable platform so they can easily upgrade to wireless or advanced diagnostics, meeting their expanding application needs.

Even though their wells averaged only 25 bbls/day (equivalent to 230 mcf/day at \$65/bbl and \$7/mcf), this operator was able to concentrate on field optimization, justifying the need for the highest quality pressure instrumentation.

RESOURCES

Rosemount 3051S Series of Instrumentation

<http://www.emersonprocess.com/rosemount/products/pressure/m3051s.html>

Even though their wells averaged only 25 bbls/day, this operator was able to concentrate on field optimization, justifying the need for the highest quality pressure instrumentation.

Standard Terms and Conditions of Sale can be found at www.rosemount.com/terms_of_sale
The Emerson logo is a trade mark and service mark of Emerson Electric Co.
Rosemount and the Rosemount logotype are registered trademarks of Rosemount Inc.
All other marks are the property of their respective owners.

Emerson Process Management

Rosemount Division
8200 Market Boulevard
Chanhasen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906-8888
F (952) 949-7001
www.rosemount.com

Emerson Process Management

Heath Place
Bognor Regis
West Sussex PO22 9SH
England
T 44 (0) 1243 863121
F 44 (0) 1243 867554

Emerson Process Management

Emerson Process Management Asia Pacific
Private Limited
1 Pandan Crescent
Singapore 128461
T (65) 6777 8211
F (65) 6777 0947
Enquiries@AP.EmersonProcess.com



For more information:
www.rosemount.com

