Advanced Solutions

Well Performance Monitor

The Complete Solution for Intelligent Well and Field Surveillance
Well Performance Monitor

The Complete Solution for Intelligent Well and Field Surveillance

Well Performance Monitor is a real-time field and well production surveillance solution that enables the optimization of production operations and the process for maximum field efficiency and oil recovery. The solution allows rapid deployment and immediate return on investment through an out-of-the-box, intuitive interface that presents prioritized views of total field and individual well performance.

With a wide successful install base across geographically dispersed data sources, Well Performance Monitor is the most advanced and mature solution for monitoring small to large scale field operations.

Well Performance Monitor helps avoid deferred production, reduce well asset maintenance costs, increase production and ultimately improve recovery.

Well Performance Monitor is Powered by Matrikon, which represents vendor neutrality. This product works with third-party control systems and applications.

CHALLENGES

With an increasing number of assets in remote and geographically-dispersed locations, the demands placed on your team to effectively manage production become more complex. Too little quality well information, limited well testing facilities and finite manpower resources make monitoring, diagnosing and identifying optimization opportunities a real challenge. As a result, unexpected shut-ins and production losses are common.

Your team must analyze large amounts of data from downhole and processing facilities as well as engineering well models to make decisions that impact performance and field efficiency.

The challenge is how to easily understand what the wells are doing, where to focus engineering efforts and how to make the best use of your engineering resources to optimize well and field production.

SOLUTION

Well Performance Monitor extracts valuable information from all available data and displays the real-time performance of the well against well capacities (potentials). On a single screen, you can access a hierarchical and prioritized view into the real-time health and productivity of all field wells.

[1]: Loseto, M, et al. 2010. Virtual Flowrate Metering in Subsea Producers and Injectors Enables Integrated Field and Reservoir Management; Don Development Case. SPE 128678
**REAL IMPACT IN FIELD OPERATIONS**

 Reported benefits from customers include:

- improved collaboration and field knowledge, which increases the efficiency of operations
- 5% increase in production through early identification of well performance issues
- faster restoration of optimal operation following shut in
- immediate identification of well and process instabilities allowing incremental increase in production by 1000 barrels/day
- power to respond earlier to identified production issue
- reduction in personnel risks and production downtime through timely identification and rectification of well integrity issues
- reduction in maintenance costs through identification of abnormal operational situations and reduced well maintenance visits
- increased accuracy and frequency of well tests through streamlining well test generation (Well Test Module)
- increased effectiveness through business role transformation

**FEATURES**

- Simple and secure access to well, field and facilities data through common web views provides visibility of your operations for all your team anywhere in the world.
- Automate surveillance of your well assets, allowing you to focus on optimization actions.
- Respond earlier to emerging well issues through single, prioritized views of abnormal well performance.
- Improve collaboration through common web-based views of your well assets, with no desktop deployment needed.
- Streamline well test lifecycle to improve the accuracy and frequency of well tests.
- Use best real-time rate estimates to improve production allocation and forecasting.
- Monitor the performance of water injection and diagnose plugging or fracturing issues.

They allowed us to retain our existing and proven business practices through open connectivity, accessibility and easy usability. By sharing and distributing information between the business processes and providing this information in role-specific views, efficiency was greatly improved. [2]
‘Powered by Matrikon’ symbolizes that this product/solution is system and application independent.

For More Information

For more information about Well Performance Monitor, visit our website www.honeywell.com/ps or contact your Honeywell account manager.

www.matrikon.com
wpm@matrikon.com

Honeywell Process Solutions

1250 West Sam Houston Parkway South
Houston, TX 77042

Lovelace Road, Southern Industrial Estate
Bracknell, Berkshire, England RG12 8WD

Shanghai City Centre, 100 Junyi Road
Shanghai, China 20051

www.honeywell.com/ps