Application description AD/2102703-EN Rev. AB

Intermitting
XSeries automation applications

Automation objective

The buildup of liquid (water or oil) in a gas well causes a bottom hole back pressure on the producing formation. The result is a decrease in the gas flow, a production drop below the normal well Decline Curve, and lost revenue. Intermitting is the process of producing the well through a cycle of flow and no-flow or On/Off flow. The Off period allows well pressure to build. During the On period, the increased pressure becomes the driving force to move liquid from the well to the surface. The result is an increase in gas production.

Intermitting
XSeries automation applications

Automation solution

The Totalflow XSeries Flow Computers or Remote Controllers can control the On/Off operation of the gas sales valve. The Intermitting provides a Time based control. Up to 2 wells can be controlled by one XSeries. Local setup is with a laptop computer using Totalflow PCCU software or a Local Key Pad installed on the XSeries. Remote setup is made using WinCCU or SCADA Vantage over a communications link. The only initialization requirement is for the pumper to enter the amount of On time and the amount of Off time.

Solution benefits

Increased production

Easy installation
Mount XSeries; connect solar panel; connect wiring to valve.

Simple start-up
Enter initialization requirements with Local Key Pad or PCCU software or remotely from host computer.

Low power electronics
Helps extend battery life, reduces maintenance expense, allows for more run time.

Extendable
The XSeries can also provide flow measurement, alarming, data logging, level measurement, remote communications and nomination control while performing Intermitting.

Totalflow recommended equipment

- Qty 1 – Model XSeries Flow Computer or Remote Controller with Solar Panel
- Qty 1 – PCCU Laptop Communication Software
- Options – Radio for Remote Communications; WinCCU Remote Host Software

Contact us

ABB Inc.
Upstream Oil & Gas
Process Automation
Toll-free: + 1 800 442 3097
Quotes: totalflow.inquiry@us.abb.com
Orders: totalflow.order@us.abb.com
Training: totalflow.training@us.abb.com
Support: totalflowsupport@us.abb.com

Upstream Oil & Gas
Main Office
7051 Industrial Boulevard
Bartlesville, OK 74006
Ph: +1 918 338 4888

Upstream Oil & Gas
California Office
4300 Stine Road, Suite 405-407
Bakersfield, CA 93313
Ph: +1 661 833 2030

Upstream Oil & Gas
Kansas Office
2705 Centennial Boulevard
Liberal, KS 67901
Ph: +1 620 626 4350

Upstream Oil & Gas
Texas Offices
3700 West Sam Houston
Parkway South, Suite 600
Houston, TX 77042
Ph: +1 713 587 8000

3900 South County Road 1290
Odessa, TX 79765
Ph: +1 432 563 5144

150 Eagle Ford Road
Pleasanton, TX 78064
Ph: +1 830 569 8062

www.abb.com/upstream

Product
webpage

AD/2102703-EN – Rev. AB 07.2016

Power and productivity
for a better world™