

AUTOMATION OBJECTIVE

Chemical Injection is a key element in the efficient operation of a production well. Exact amounts of chemical, measured in as small amounts as quarts per day, are required to correctly treat a well. These chemicals are expensive, costing several thousand dollars a barrel. Better control of the chemical injection pump could save thousands of dollars each year in chemical costs and help maintain high production efficiency and increased revenue.



AUTOMATION SOLUTION

The **Totalflow** XSeries Flow Computers and Remote Controllers are available with the standard Chemical Injection Pump Control Application. The Application allows the pumper to enter the amount of chemical required per day and the injection rate for each pump stroke. The chemical tank reservoir level can be monitored and level alarm and shutdown setpoints are field adjustable. A pulse from the chemical flowmeter can be accepted as an input. Trending of the chemical injected and the XSeries measured gas production can also be used as a tool to determine the optimum chemical volume amount.

SOLUTION BENEFITS

- **Costs Savings:** better control eliminates waste caused by chemical over-injection; fewer trips by personnel to the well site to adjust pump speed or to monitor chemical tank levels.
- **Increased Revenues:** better chemical control should insure an improved well performance and increased production; review of chemical trends and gas production trends aid in production field management.
- **Alarm Monitoring:** remote monitoring of pump failure and chemical tank reservoir.
- **Easy Installation:** mount XSeries; connect solar panel; connect cable to chemical pump.
- **Simple Start-up:** enter initialization requirements with PCCU software or WinCCU software.
- **Low Power Electronics:** helps extend battery life, reduces maintenance expense, allows for more run time.
- **Extendable:** the XSeries can also provide alarming, data logging, level measurement, remote communications, plunger optimization, nomination control, and gas flow measurement while performing **Chemical Injection Pump Control**.

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

*Pump shown is Burns Controls Co. –
Other pumps on request.*

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