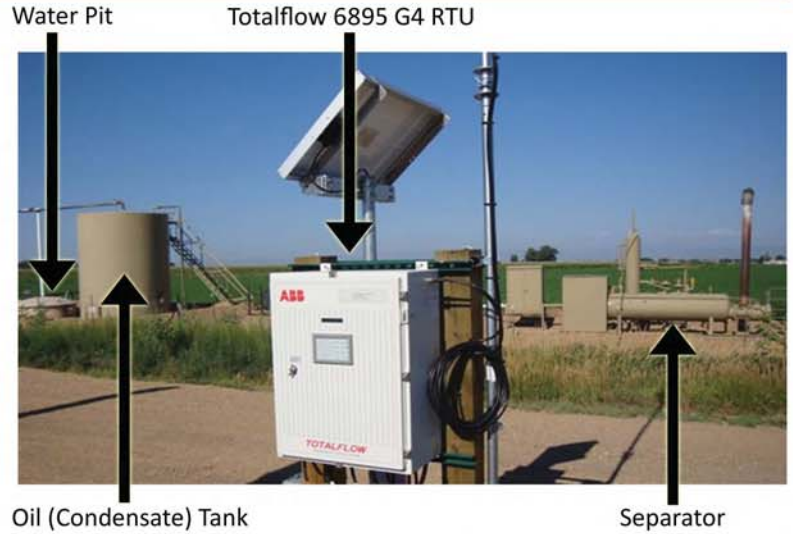




Complete Turnkey Wellhead Automation

A plunger lift is used for the deliquification of a well. This allows for our customers to see production long past the point where they can produce fluids up the well bore on their own.

All associated instruments shown are installed as a part of the Turnkey Wellhead Automation.



Below - Inside view of RTU configured for 6-well control, with plenty of room for expansion.

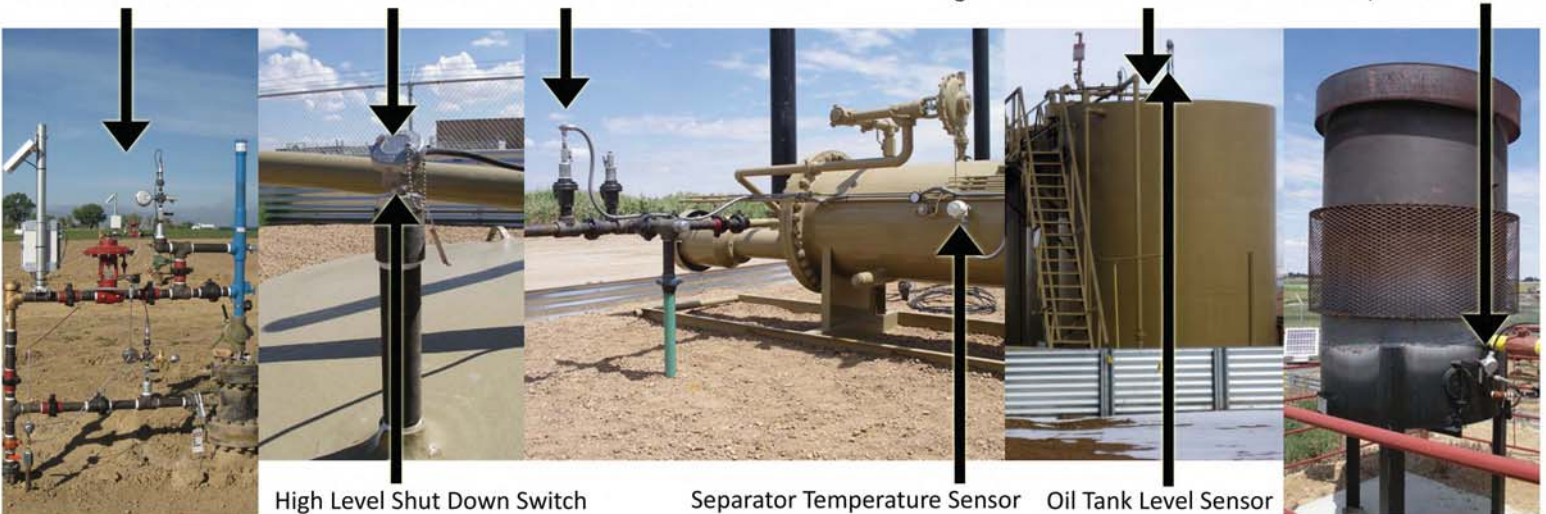


Using ABB **TOTALFLOW** proven X-Series technology, pumpers or operators can make manual adjustments via the optional keypad or the unit can be configured for auto-tuning to optimize the well's performance.

With the X-Series, many different configurations are available including:

- Wireless communication from the separator to the wellhead to avoid trenching
- Multiple wells controlled by a single RTU
- Remote configuration and control via SCADA communications
- Expandable IO to measure any additional points of interest:
 - Flare stack temperature
 - VRU pressure
 - Separator temperature
 - Flow line pressure

Wellhead Automation Water Pit Level Sensor Flow Line Pressure Sensor High Level Shut Down Switch ECD Temperature Sensor



Meet the **Winn-Marion** Companies

for more information visit www.winn-marion.com

SERVICE



WM Automation Service, LLC

- **Turnkey Automation** - Oil & Gas Wellheads ▪ Tank Batteries
 - Separators ▪ Multi-Well Pad Plunger Lift Control
- **Communications** - Spread Spectrum & Licensed Frequency Radio Systems ▪ Network Design ▪ Radio Path Studies ▪ Ethernet Radios ▪ Satellite
- **Troubleshooting** - Gas Measurement ▪ SCADA ▪ Radio Communications ▪ Automation Systems
- **Calibrations** - Gas Sampling ▪ Flow Calibrations



- **Analyzers** - Gas Chromatographs ▪ Continuous Gas Analyzers ▪ BTU Analyzers ▪ pH, Silica, Conductivity ▪ Trace Oxygen ▪ H2S
- **Heat Tracing Instruments** - Steam ▪ Electric ▪ Pre-Insulated Tubing Bundles
- **Transmitters** - Differential Pressure ▪ Gauge ▪ Absolute ▪ Fully Welded Remote Seals ▪ Multivariable ▪ SIL 2 & SIL 3
- **Flow Meters** - Coriolis ▪ Magnetic Flow Meters ▪ Precision DP Flow
- **Controllers** - Single Loop Controllers ▪ DCS ▪ PLC ▪ RTU
- **Recorders** - Circular Chart ▪ Videographic ▪ Strip Chart
- **Valves** - On/Off ▪ Control Valves
- **Governors** - Mechanical & Electric ▪ Catalysts & Air Fuel Ratio

SALES



Winn-Marion Barber, LLC



- **Plant Control Systems** - Human Machine Interface (HMI) Design & Integration
 - Protection System Design ▪ Remote I/O ▪ PLC ▪ DCS
- **Field Service**
- **Training**
- **Engine Control** - Emissions Control ▪ Speed Control ▪ Protection Systems
 - Mechanical Governor Upgrades
- **Turbine Control** - Speed Control ▪ Load Control ▪ Protection Systems ▪ Steam Valve Actuation ▪ Mechanical Governor Upgrades
- **Generator Control** - Start/Stop Sequencing ▪ Load Control ▪ Remote Monitoring ▪ Protection Systems
- **Turnkey Design, Installation and Commissioning of All**



Winn-Marion, Inc.

CONTROLS

