

***BDP Project Description:*****Hatters Pond Gas Plant - Control System Upgrade and Expansion*****End User / Location:*****Four Star Oil & Gas, Creola, Alabama*****Client / Location:*****Texaco Exploration & Production, Creola, Alabama*****Control System Platform:*****Rockwell Allen-Bradley Control Logix PLC  
with Wonderware InTouch HMI and Industrial SQL Historian*****BDP Scope:*****Full-scope control system upgrade to replace panel board instruments and local controls, from equipment selection through control system commissioning.*****BDP Services:*****Detailed Design & Configuration:**

- Instrument Index development.
- Equipment procurement.
- Custom panel design and assembly.
- Control strategy design and implementation.
- Control loop and display configuration.
- Modbus configuration for serial interfaces.
- Industrial SQL Historian configuration.
- Drawing package for installation scope.
- System integration and test.

**Installation and Commissioning:**

- Craft labor and materials for field instrument installations.
- Control system installation with fiber communication networks.
- Engineering and craft support for loop check and commissioning.
- Operator training and start up support.

***Accomplishments:*****Initial upgrade project to automate dew-point plant controls significantly improved NGL recovery through enhanced regulatory control and improved process monitoring.****Control system expansion projects reduced energy consumption with hot oil system automation, excess O<sub>2</sub> firing controls, and compressor outlet temperature controls.****Control system enhancement projects included an integrated Industrial SQL Historian, remote access for troubleshooting via PC Anywhere, and remote Wonderware engineering workstations in the local Administration Building.**