

City of Somerset Gas Department
Button Knob Compressor Proposal Specifications
Two Natural Gas Compressors Capable of the Following:

1. Suction Pressure Range 190 – 300psig (Normal should be 225-250psig)
2. Discharge Pressure Range 700-1050psig
3. Capable of moving 13MMcf per-day
4. Ambient Temperature 100°F
5. Gas temperature 60°-75°F
6. Specific Gravity 0.650-0.750
7. Elevation 1000 Feet
8. The units will be connected to a SCADA system and be remotely monitored and controlled. Any pressures, temperatures, RPMs, shutdown faults and any other panel board information will need to be displayed on monitor at control room as well. Ultimately we would desire the units to be started, loaded, unloaded, and shutdown, with speed control (speed up and slow down) and low suction make-up or recycle capability (Low-Suction Recycle valve needs to be on skid). This could be accomplished with the skid mounted panel board being programed to perform the above tasks with a simple signal sent from the control room to go into a start and run phase and then when not needed or in emergency another signal sent from the control room to send unit into a shutdown and blowdown phase.
9. Unit also needs to be capable of operating in “manual mode” or locally.
10. Package will communicate with Emerson FloBoss SCADA System (or equivalent) via Modbus RS232/RS485 and or Modbus TCP/IP.
11. Means for using Lock-out/Tag-out devices for ALL unit maintenance.
12. Units should comply with any and All KY air permits as required.
13. Units and Installation SHALL comply with ANY AND ALL PHMSA regulations.
14. Bids should include ALL freight costs (permits, fuel surcharges and any other associated costs) delivered to and installed on COMPRESSOR SITE (1400 Button Knob Rd. Liberty KY 42539).
15. Proposals are to be with compressor company furnishing ALL oil and antifreeze.
16. Proposals should also spell out in detail the Company and Customer responsibilities.