



Technician Labor Summary for Project: Welder Control System

Technician: Kyle Cantu

Business: North Point Computers

Client: Tom Ronnkvist / Drill Pipe Inc.

Service Location: 62 S King St, Alice, TX 78332

1. Legacy PC Sourcing & Baseline Test

Located and restored a late-1990s industrial PC with multiple ISA slots. Cleaned and refurbished ports, replaced BIOS battery, powered on, verified POST, and confirmed basic DOS functionality.

Time Spent: 1.0 hr

2. ISA Card and HDD Migration & Fit Check *(included in \$678 ticket)*

Installed welder's interface cards, transferred original HDD, verified physical fit and resource integrity in BIOS/DOS.

Time Spent: 2.0 hr

3. Disk Cloning & OS Migration

Cloned original DOS drive, created backup images, restored to spare IDE drives for data protection and rollback readiness.

Time Spent: 3.0 hr

4. Operating System Troubleshooting

Investigated boot issues; adjusted BIOS, edited CONFIG.SYS/AUTOEXEC.BAT, tested alternate drives, ruled out hardware faults.

Time Spent: 2.0 hr

5. Client Consultation & Decision Point

Phone consultation with Tom Ronnkvist; reviewed diagnostic results and proposed ISA emulation solution. Approved by client.

Time Spent: 0.5 hr

6. Emulation Hardware Procurement & Initial Setup

Ordered ISA bridge, passive backplane, cables. Performed power-on validation and installed toolchain.


Time Spent: 2.0 hr

Total Documented Labor Time: 10.5 hours

(2.0 hours included in the \$678 service ticket)

Technician Certification

I hereby certify that the above hours and tasks are accurate to the best of my professional knowledge.

Signed: 

Date: 6-9-2025