

DE-3000 Retrofit

LOCATION:

Marathon Othilia Plant,
Fairfield, Texas

APPLICATION:

Field Gathering/Treatment

ENGINE/COMPRESSOR:

Caterpillar 3606 A3,
Ariel 4-throw, 3-stage

DISTRIBUTOR:

Exterran

ALTRONIC PRODUCTS:

DE-3000 Configurable Safety
Shutdown and Control System

PROBLEM:

The ability to deliver quickly cannot be ignored. This compressor unit, controlled by a Murphy Millenium, had been idle for approximately one year. Mechanical shop inspections and field commissioning had been completed. The unit would not crank or start.

Technical investigations on location determined that the Millennium board was damaged. Replacement parts were not available and Murphy recommended a retrofit to a Centurion C4 board. Lead time on the new panel insert with a C4 board was three weeks. The customer could not afford to wait.

SOLUTION:

Altronic Panel drawing number (5802-004) was referenced and components necessary for a retrofit

BEFORE

Murphy Millenium



AFTER

Altronic DE-3000



using the DE-3000 were ordered from Altronic Controls.

All components arrived on location the following morning. By then, the old equipment had already been removed from the panel and end device wiring had been identified and labeled.

The new components were installed and wired. No operating features were lost in the conversion.

The generic panel DE-3000 file was utilized and modified only as necessary during any standard new panel commissioning procedure.

Testing was conducted and the unit was cycled through the start

sequence. All systems preformed as designed.

Temporary labels were written on the front of the panel and permanent plastic labels were ordered and shipped to the location several days later.

From start to finish, the job took only two days. The unit performed perfectly and production was restored. A follow-up was conducted after several weeks and mechanics and operators reported no problems whatsoever.