

## EQUIPMENT CHANGES

Following Run Number 12, the standpipe system was elevated 30 feet in order to provide additional static head so that catalyst circulation could be maintained through the slide valve with low density catalyst. It had been established that the slide valve had to be restricted to about 75 inches of water differential to prevent reverse flow with the existing pressure surges in the reactor and standpipe. With catalyst of less than about 30 lbs./cu.ft. density insufficient static head was available with the previous cyclone elevation.