

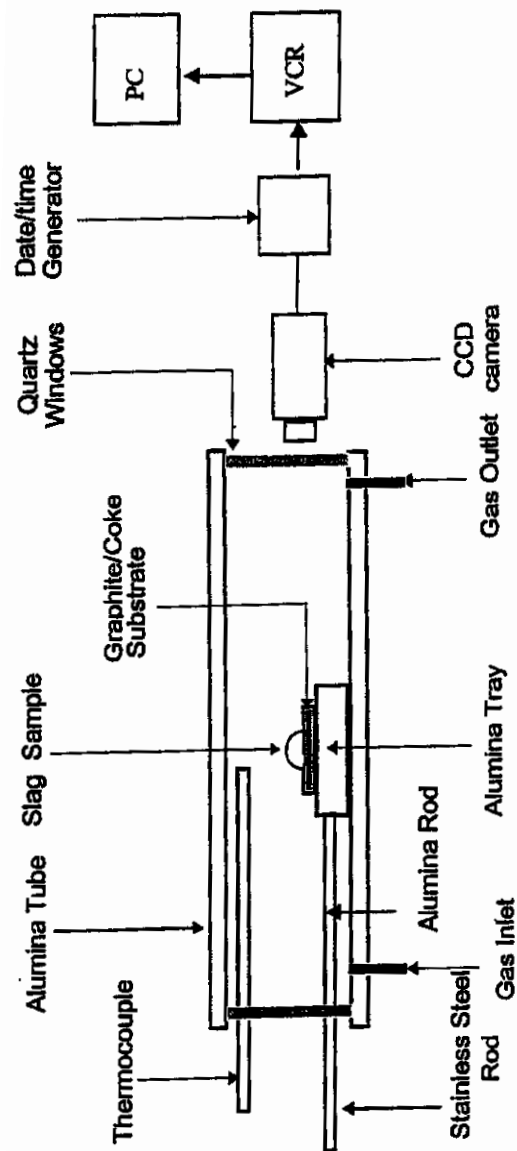
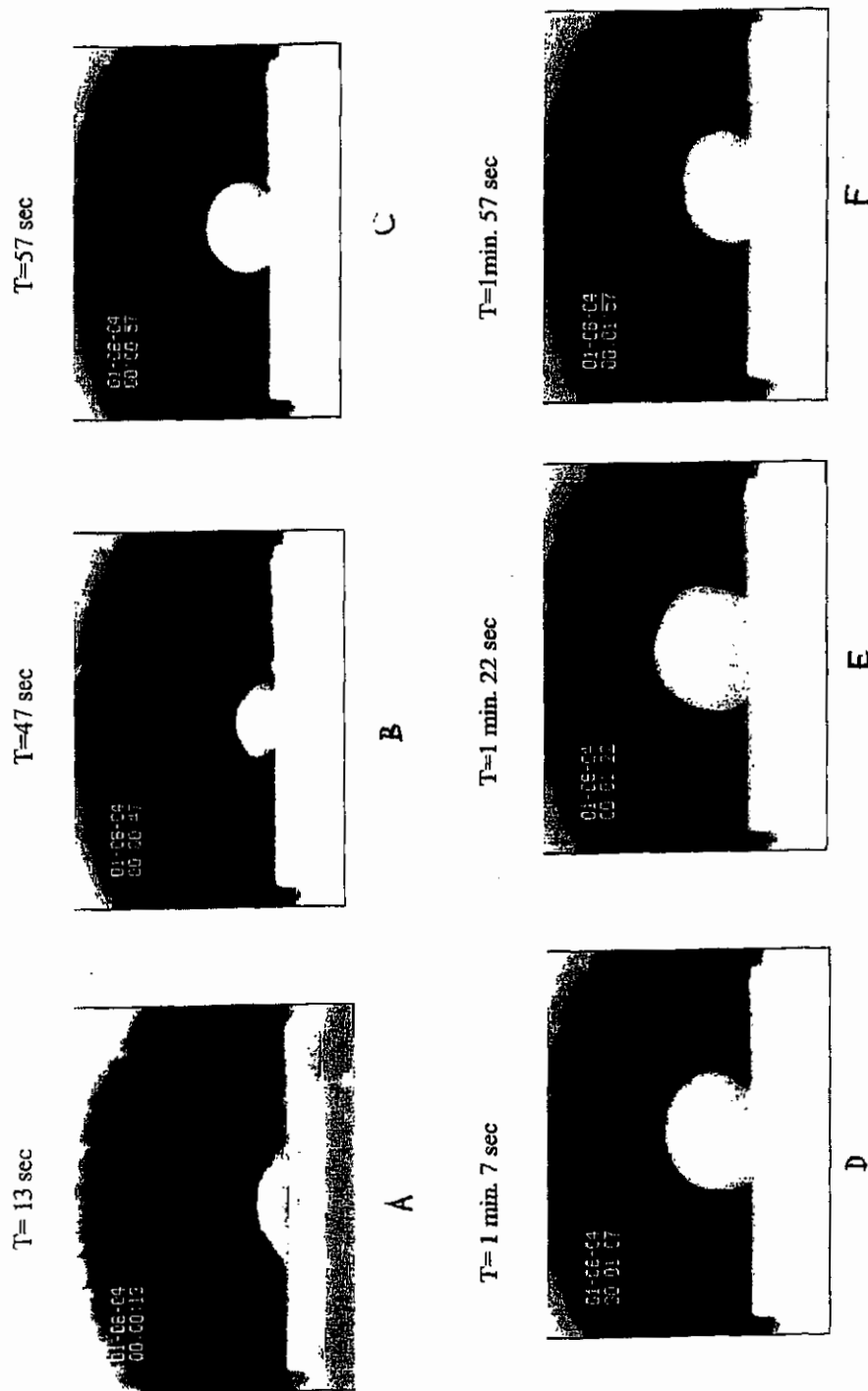


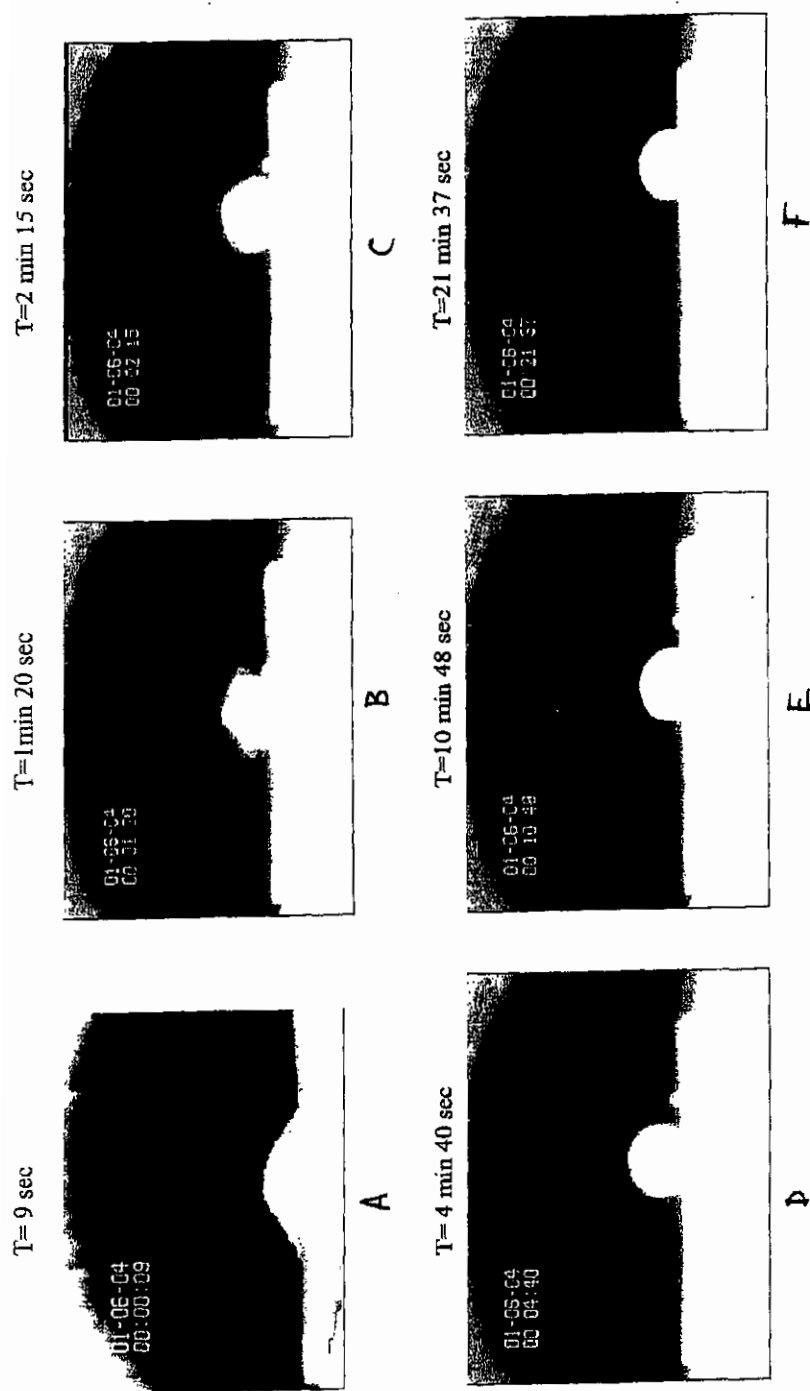
Figure 1

Schematic diagram of the experimental set-up



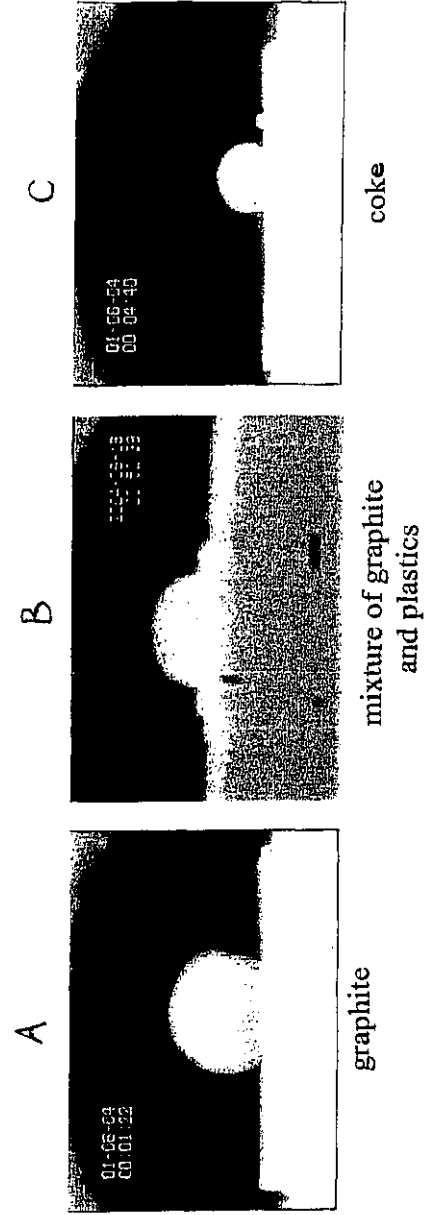
Slag foaming as a function of time for graphite/slag system at 1550°C.

FIG.2



Slag foaming as a function of time for coke/slag system at 1550°C

FIG. 3



Images of slag foaming caused by various carbonaceous materials

FIG. 4

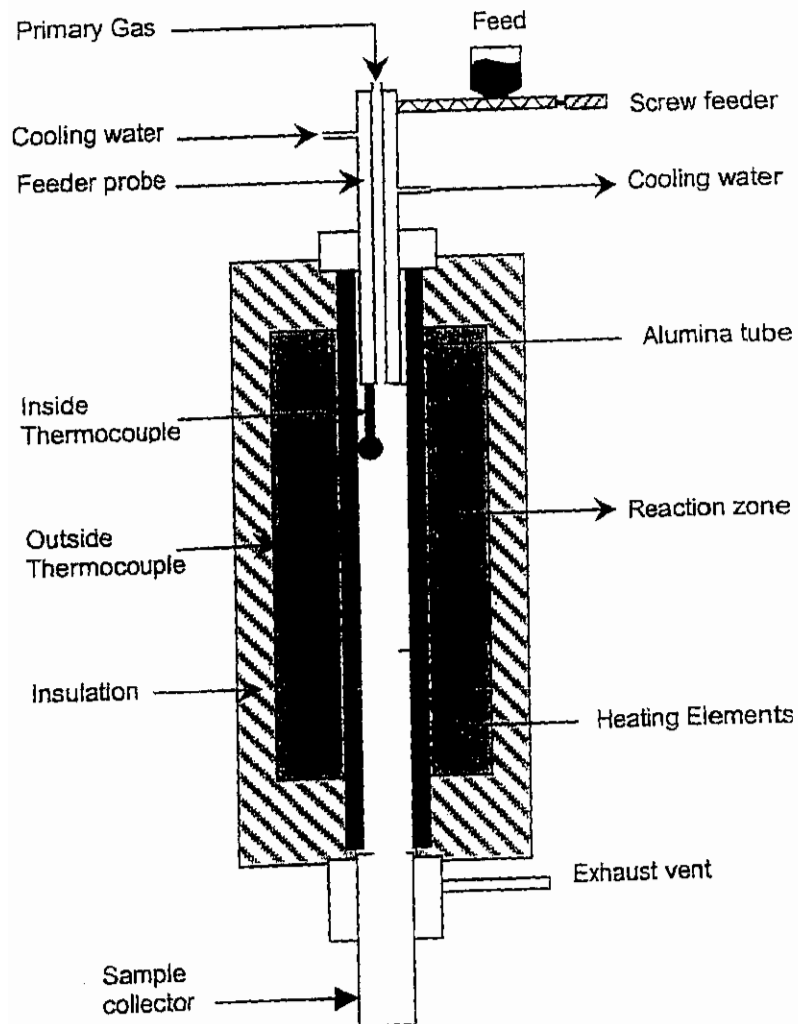
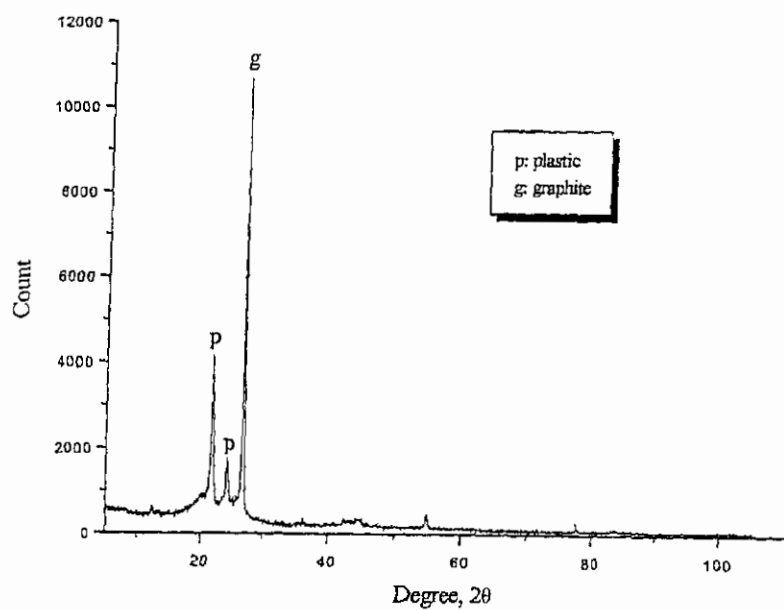
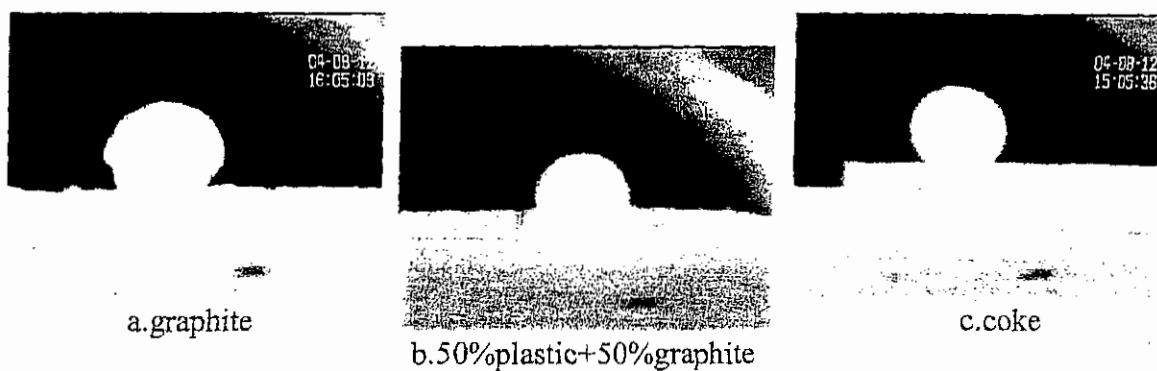


FIG. 5



XRD spectra of 50%plastic+50%graphite mixture

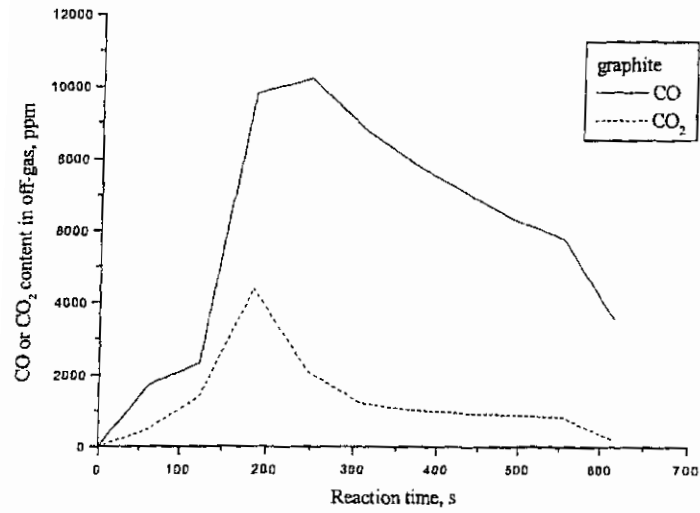
FIG. 6



Images of slag foaming caused by various carbonaceous materials

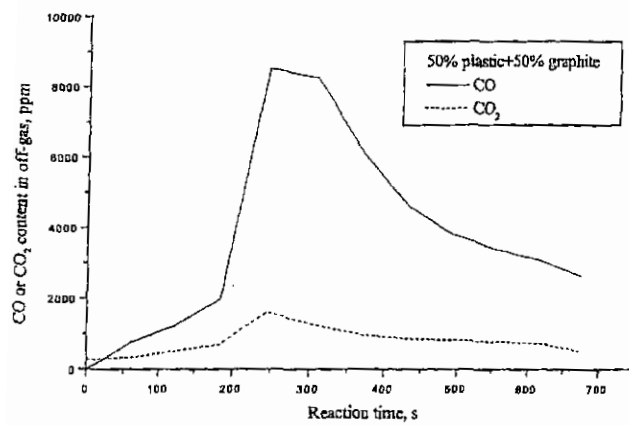
FIG. 7

FIG. 8

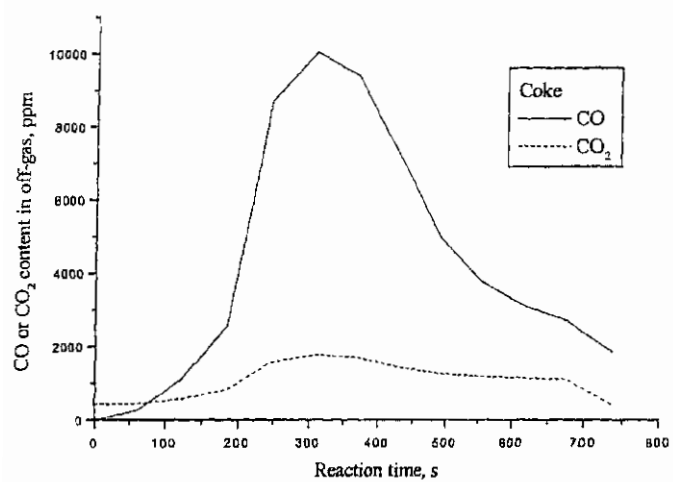


IR results for the reaction between graphite substrate and slag

FIG. 9



IR results for the reaction between
50%plastic+50%graphite substrate and slag



IR results for the reaction between coke substrate and slag

FIG. 10

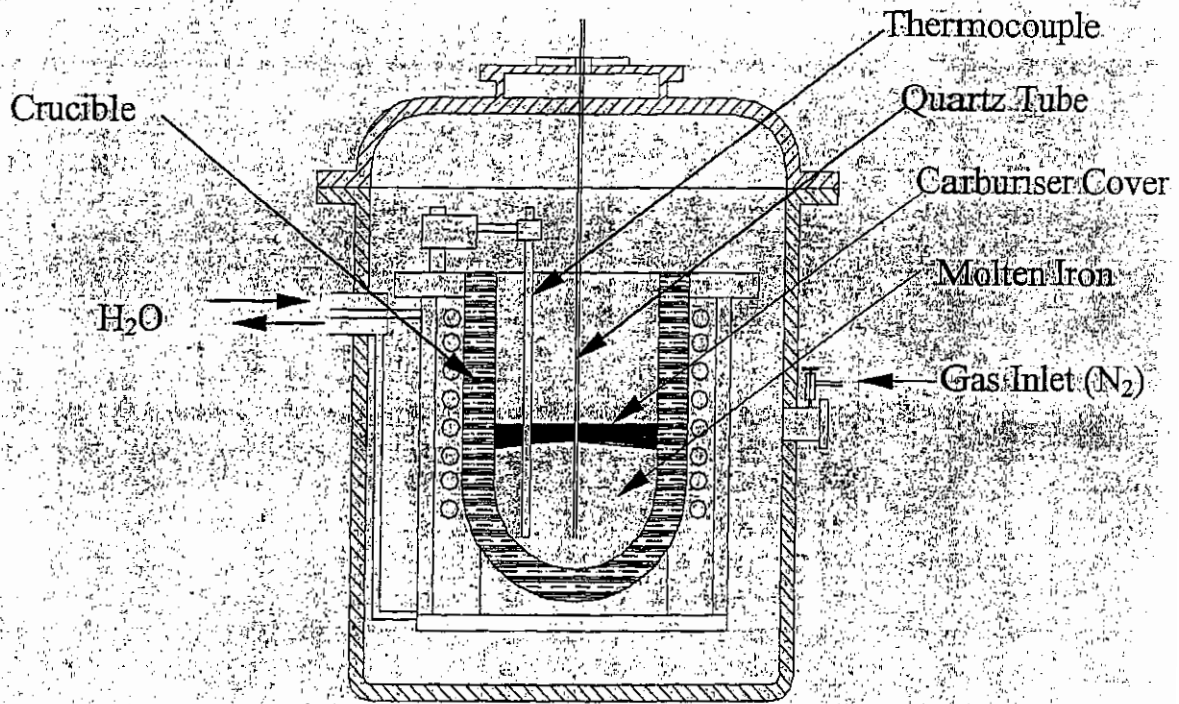


FIG. 11

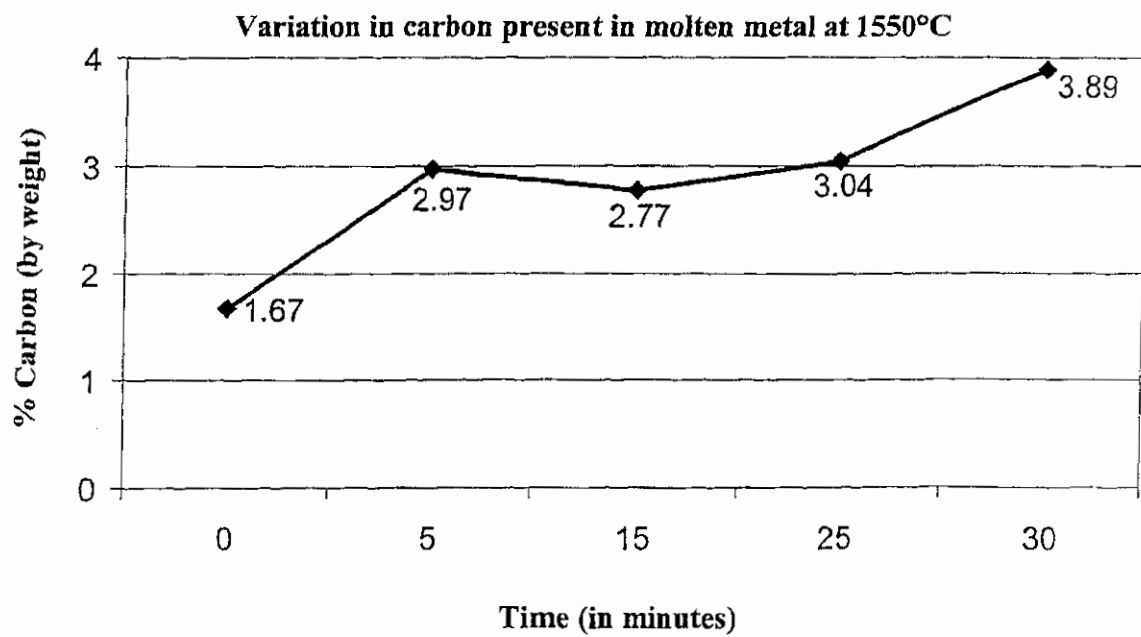


FIG. 12

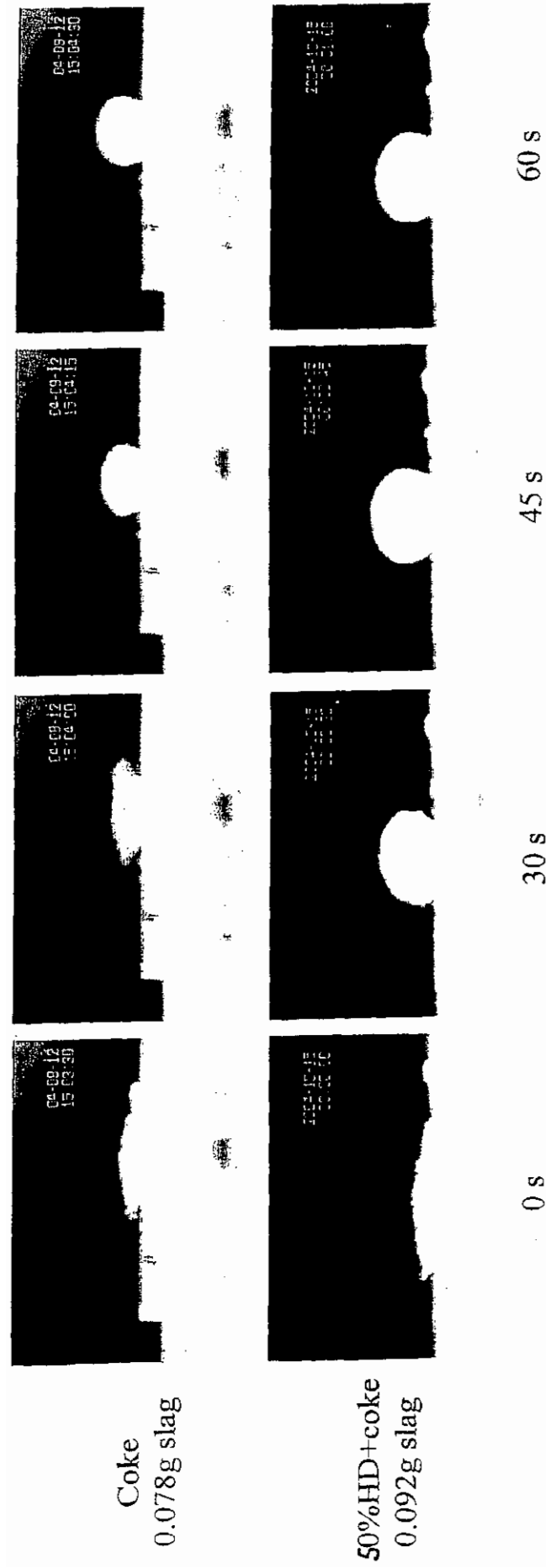


FIG. 13A

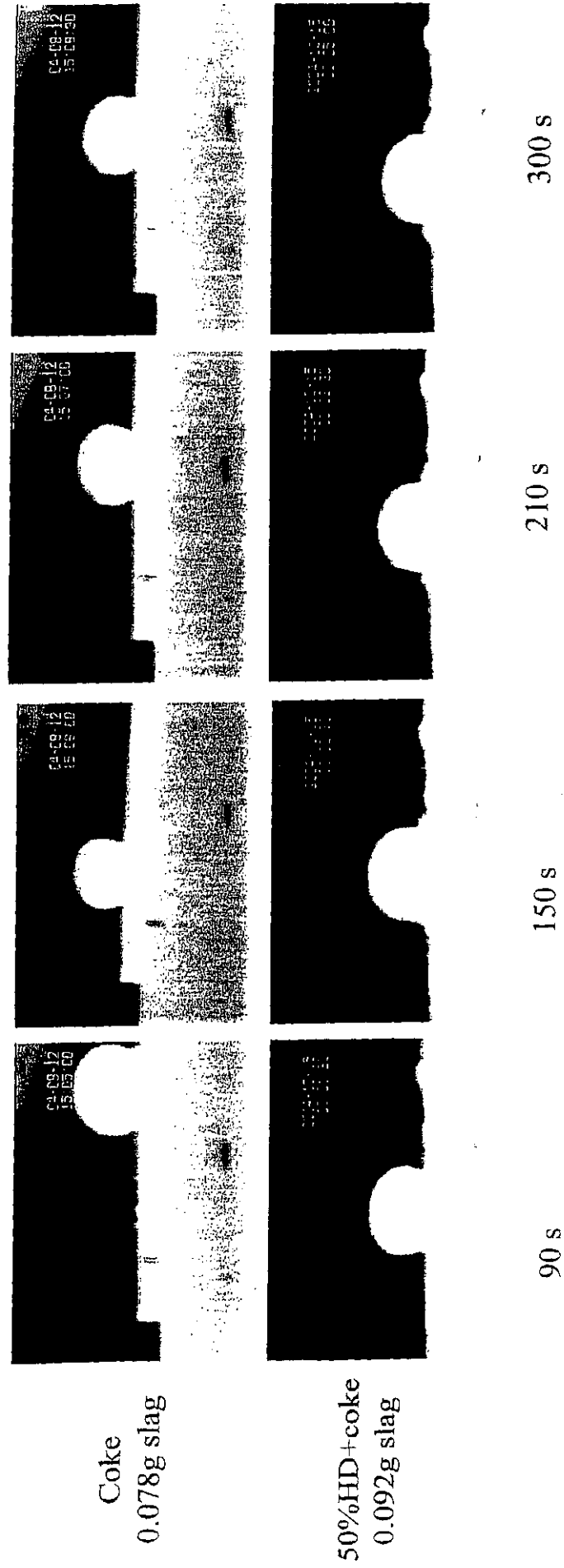


FIG. 13B

FIG. 14

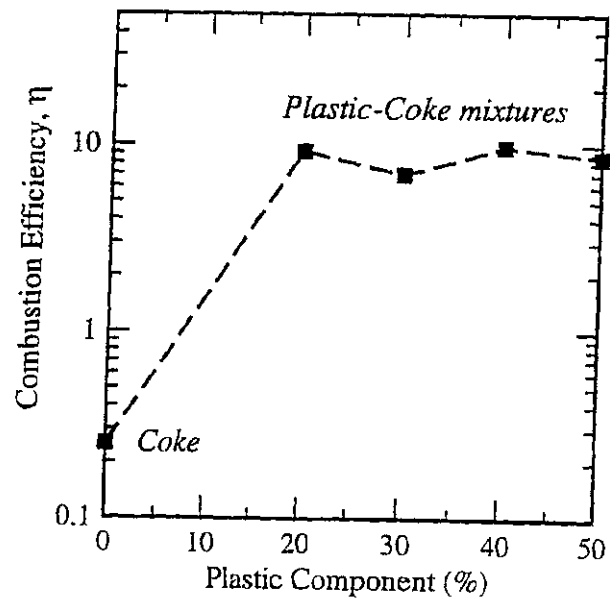
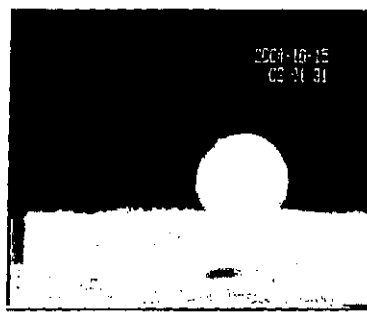


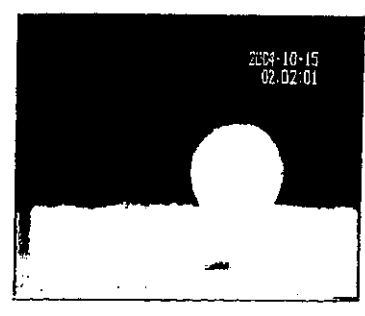
FIG. 15



t=0 sec



t=30 sec



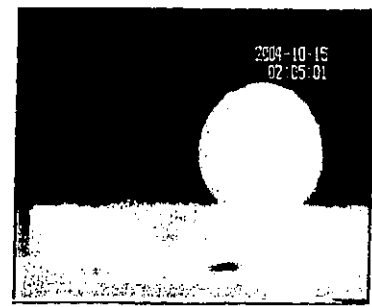
t=60 sec



t=120 sec



t=180 sec



t=240 sec

FIG. 16

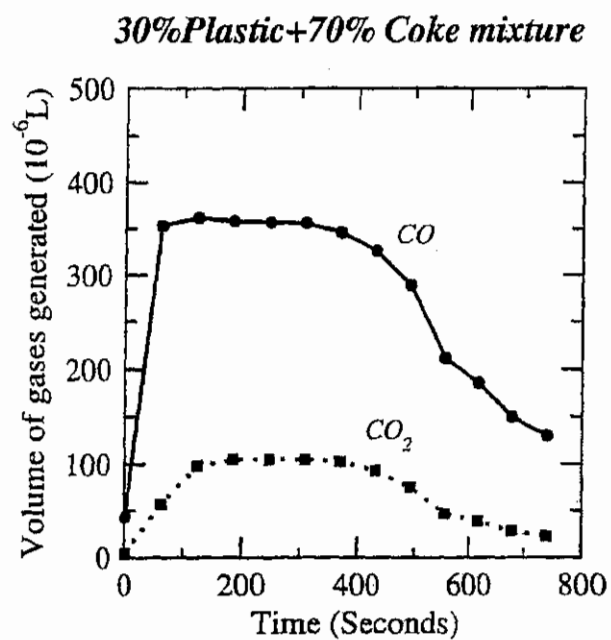


FIG. 17

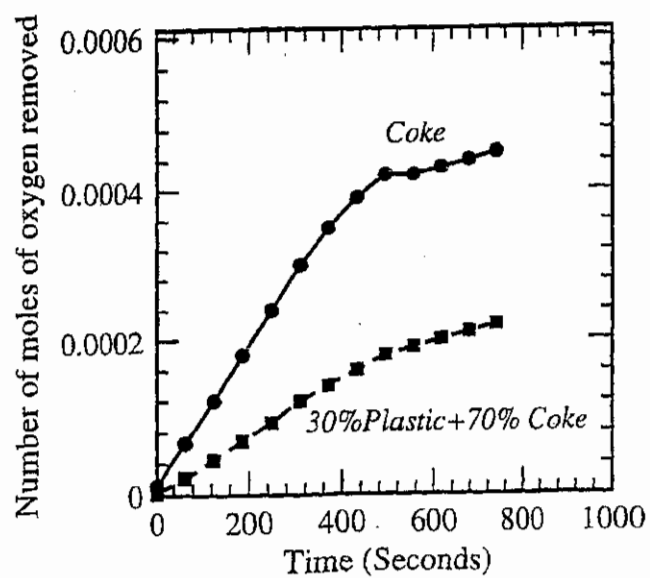


FIG. 18

