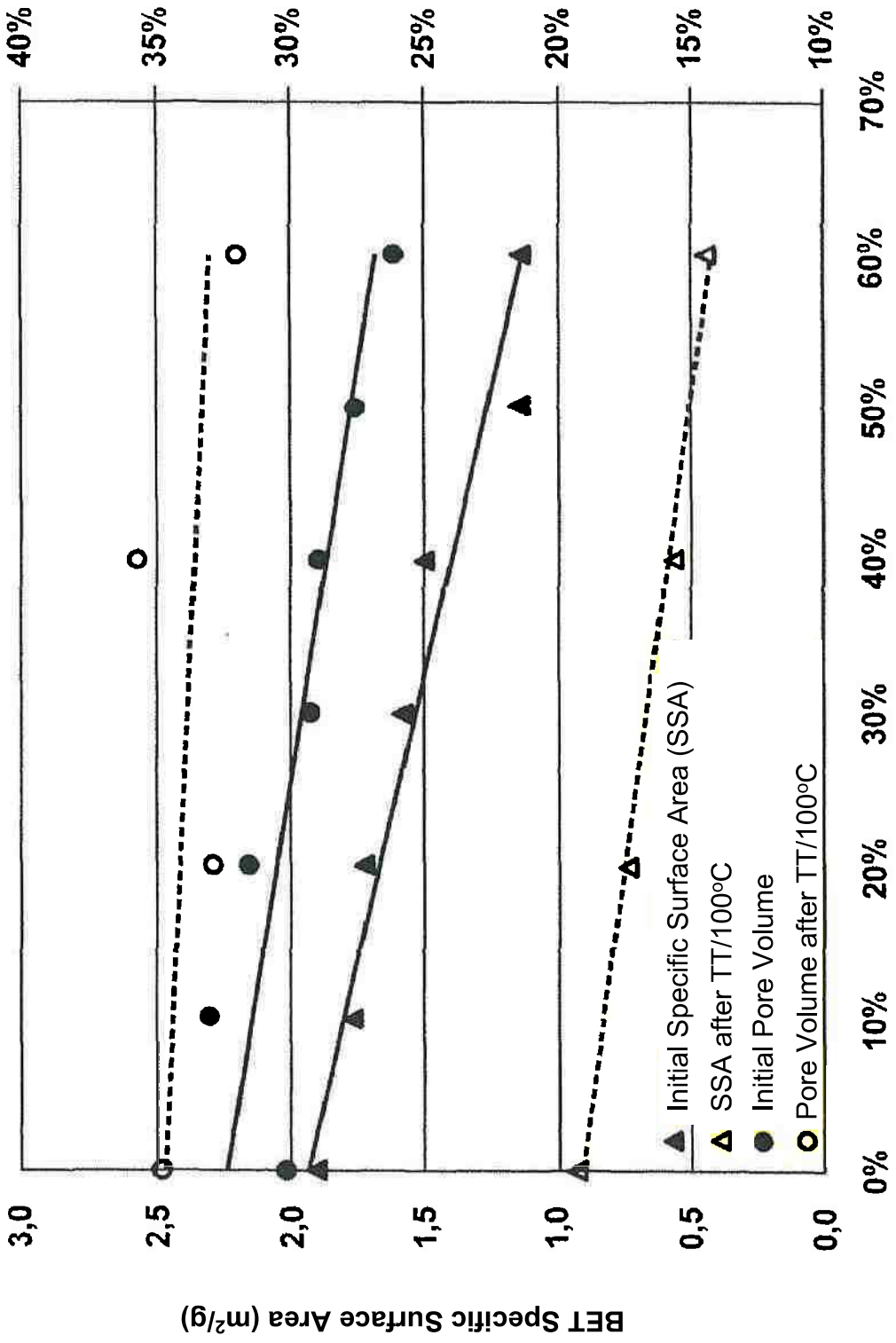

BET Specific Surface Area (m²/g)
Pore Volume (%)
Content of Fe2O3 equivalent (wt%)
Initial Specific Surface Area (SSA)
SSA after TT/100°C
Initial Pore Volume
Pore Volume after TT/100°C
3,0
2,5
2,0
1,5
1,0
0,5
0,0
40%
35%
30%
25%
20%
15%
10%
0%
10%
20%
30%
40%
50%
60%
70%

Fig. 1

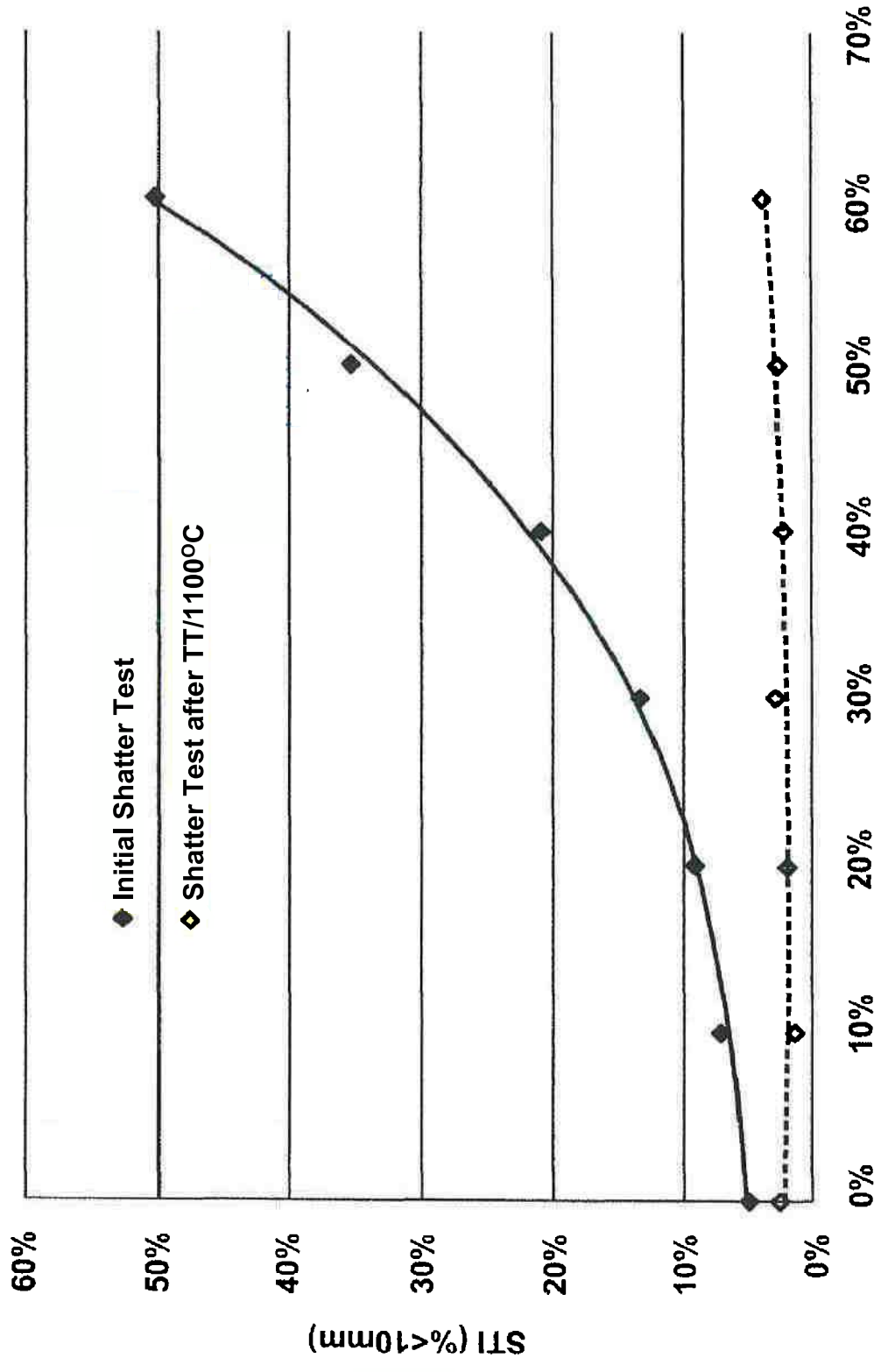

STI (%<10mm)
60%
50%
40%
30%
20%
10%
0%
Initial Shatter Test
Shatter Test after TT/1100°C
0%
10%
20%
30%
40%
50%
60%
70%
Content of Fe_2O_3 equivalent (wt%)

Fig. 2

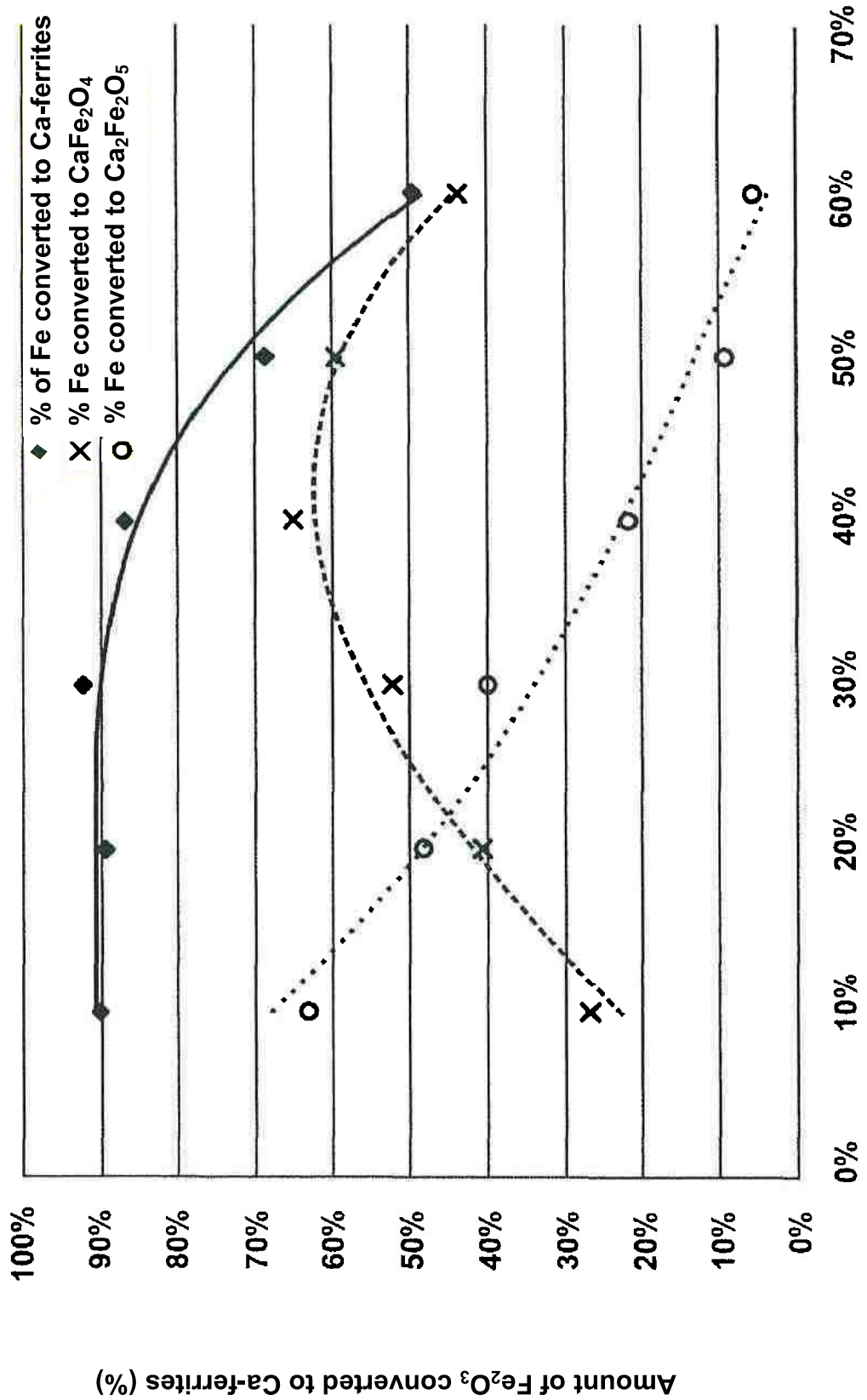

% of Fe converted to Ca-ferrites
% Fe converted to $CaFe_2O_4$
% Fe converted to $Ca_2Fe_2O_5$
Amount of Fe_2O_3 converted to Ca-ferrites (%)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
0%
10%
20%
30%
40%
50%
60%
70%
Content of Fe_2O_3 equivalent (wt%)

Fig. 3

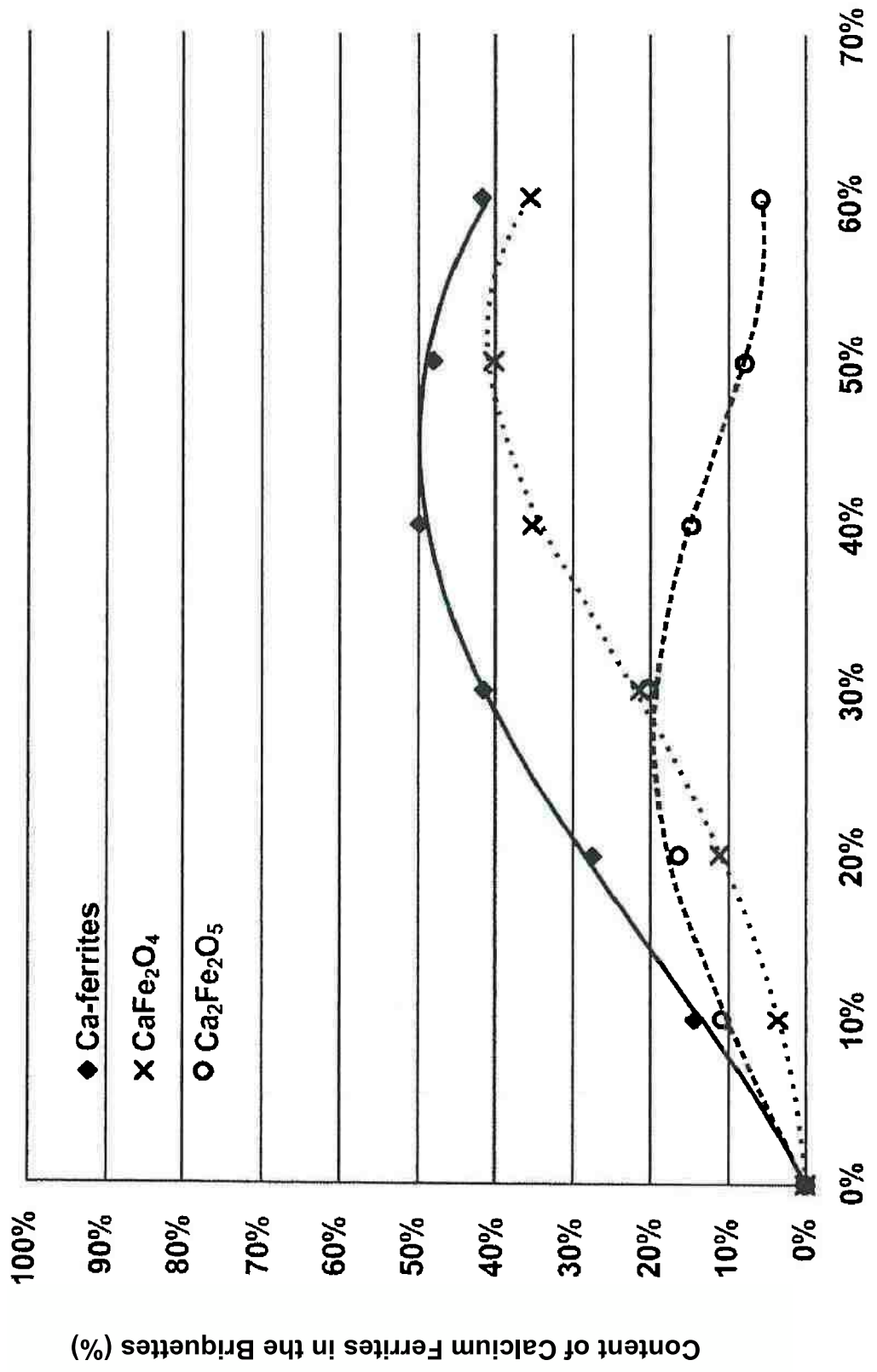
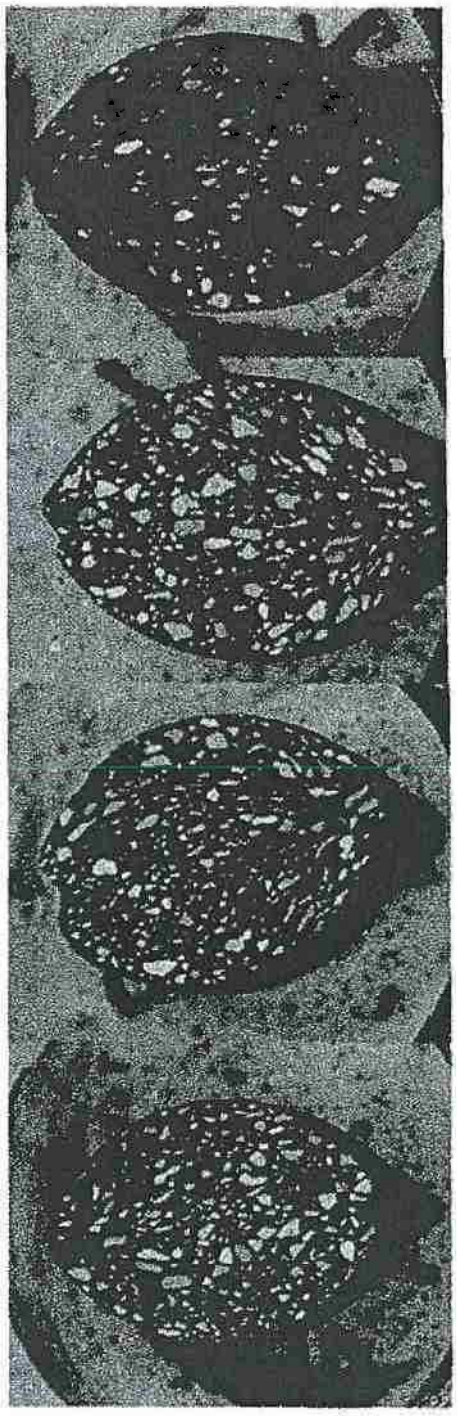

Content of Calcium Ferrites in the Briquettes (%)
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
◆ Ca-ferrites
× $CaFe_2O_4$
○ $Ca_2Fe_2O_5$
0%
10%
20%
30%
40%
50%
60%
70%
Content of Fe_2O_3 equivalent (wt%)

Fig. 4


Example 2
Example 3
Example 4
Example 5

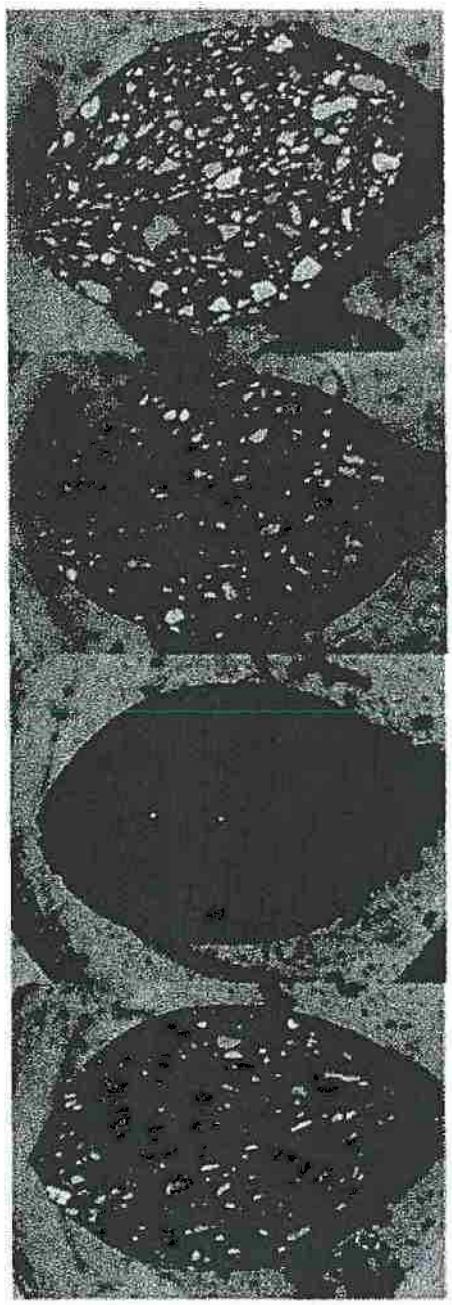

Example 6
Example 7
Example 8
Example 9

Fig. 5