

Fig. 1 Details of Berty Reactor

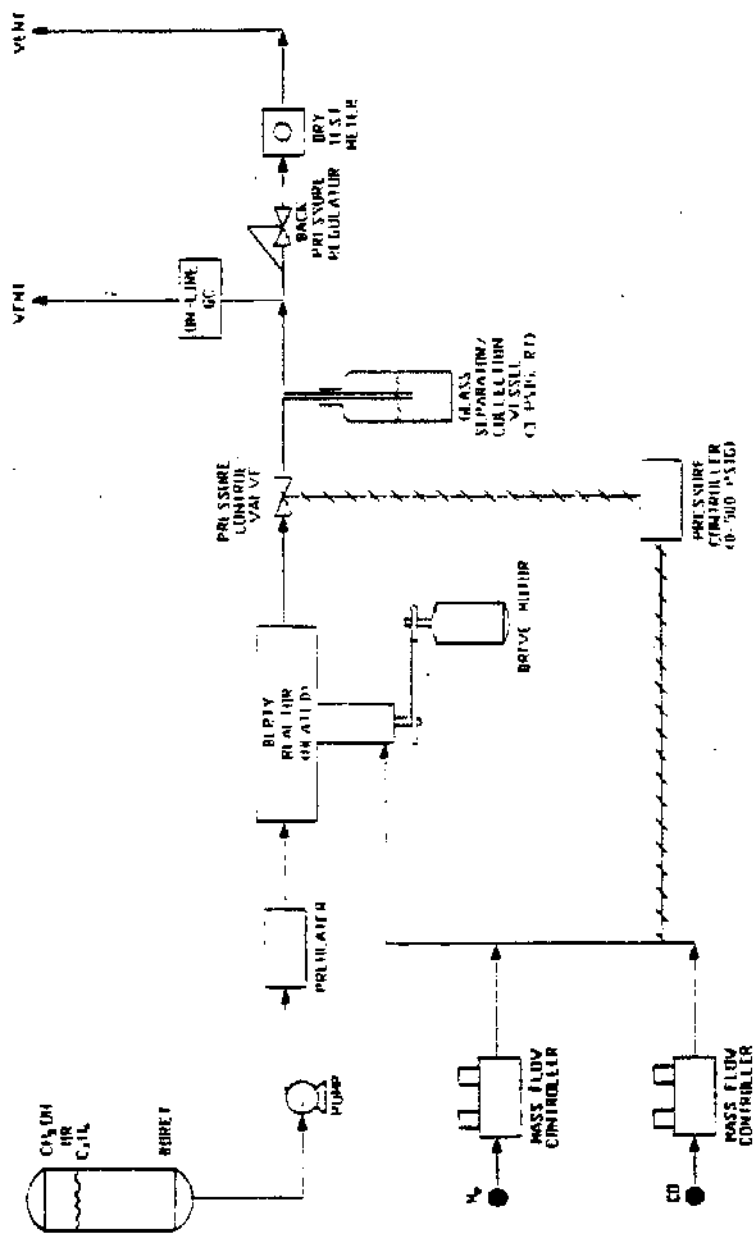


FIGURE 2
SCHEMATIC OF THE CATALYST TEST SYSTEM

Fig. 3
 STABILITY OF Y-82 WITH CH₃OH
 RUN 9710-7, 300 PSIG, 400°C

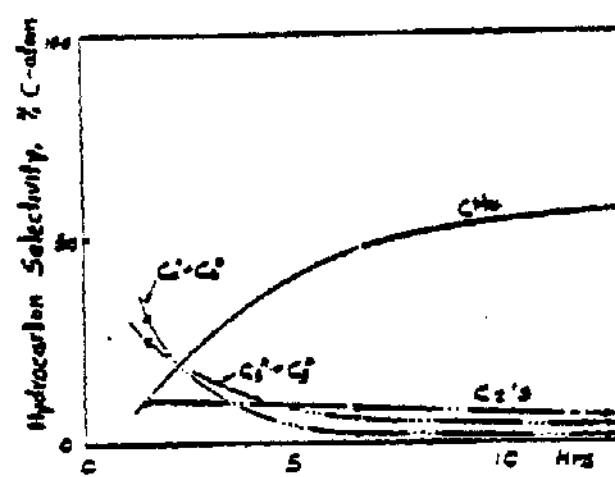
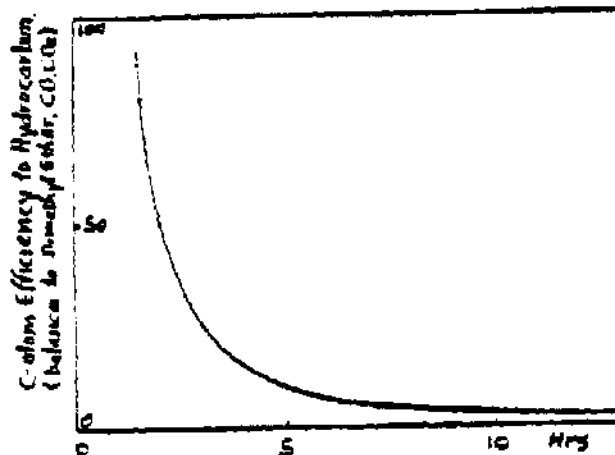
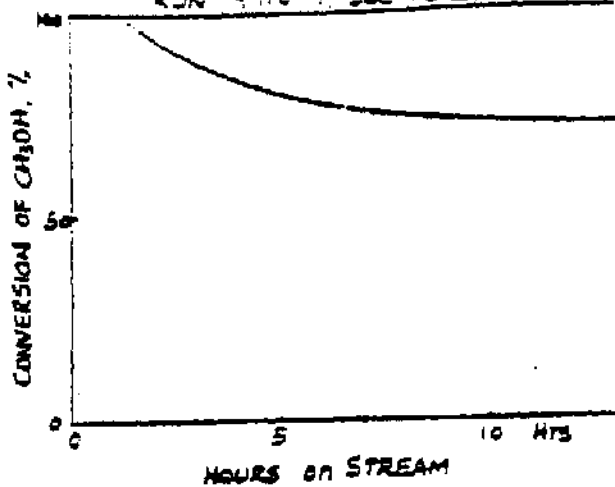


Fig. 4
 STABILITY OF UCC-101
 RUN 9710-8, 470 PSIG, 371-402°C

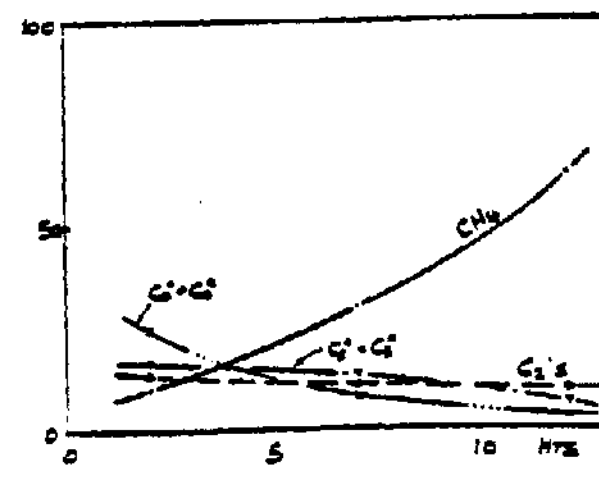
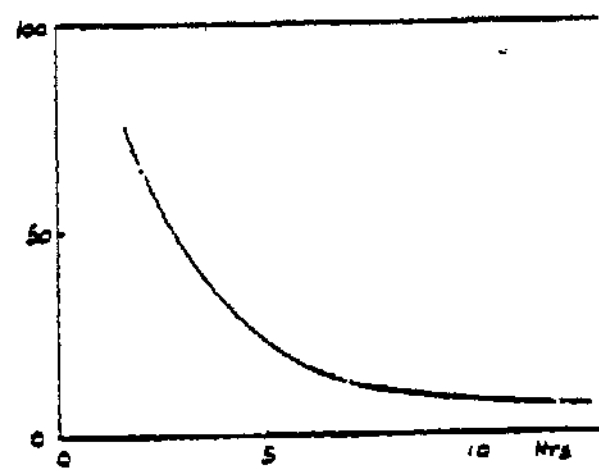
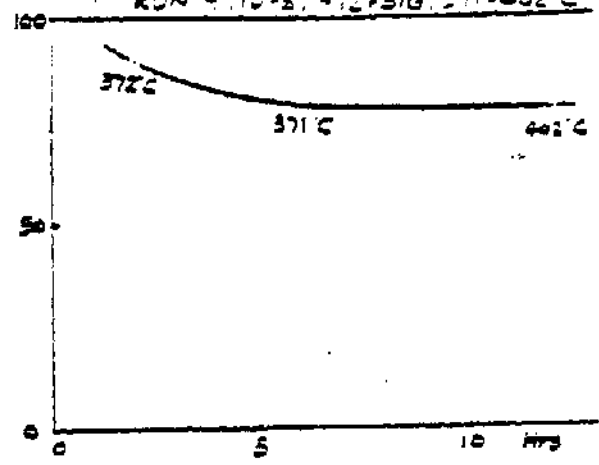
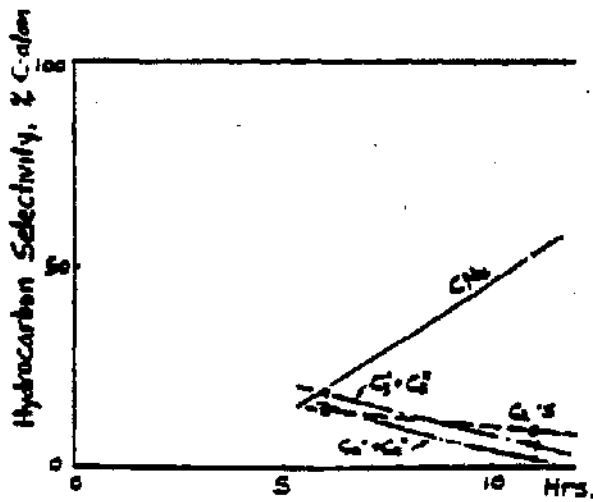
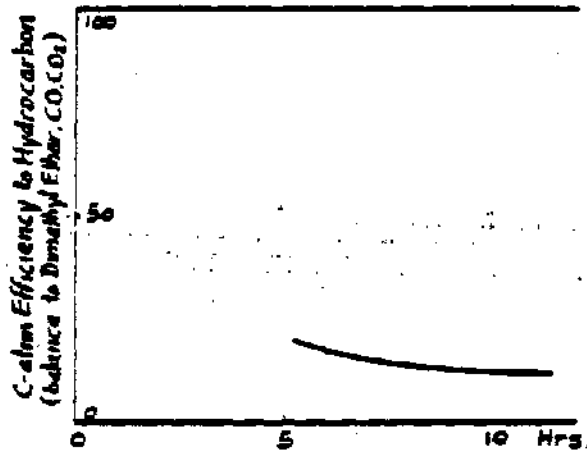
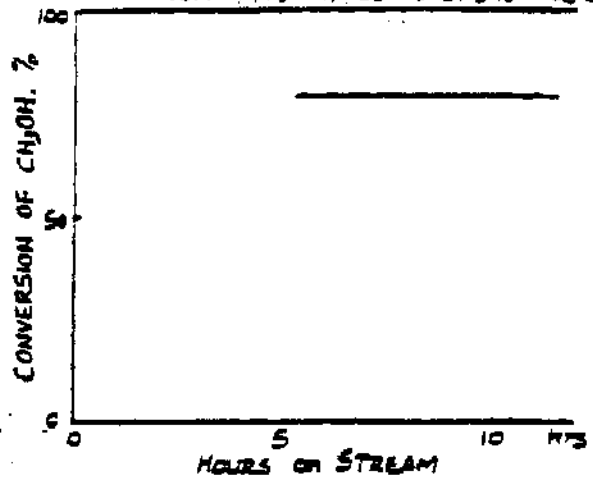


Fig. 5
 STABILITY OF UCC-101
 RUN 4710-9, 25 PSIG, 370-408°C



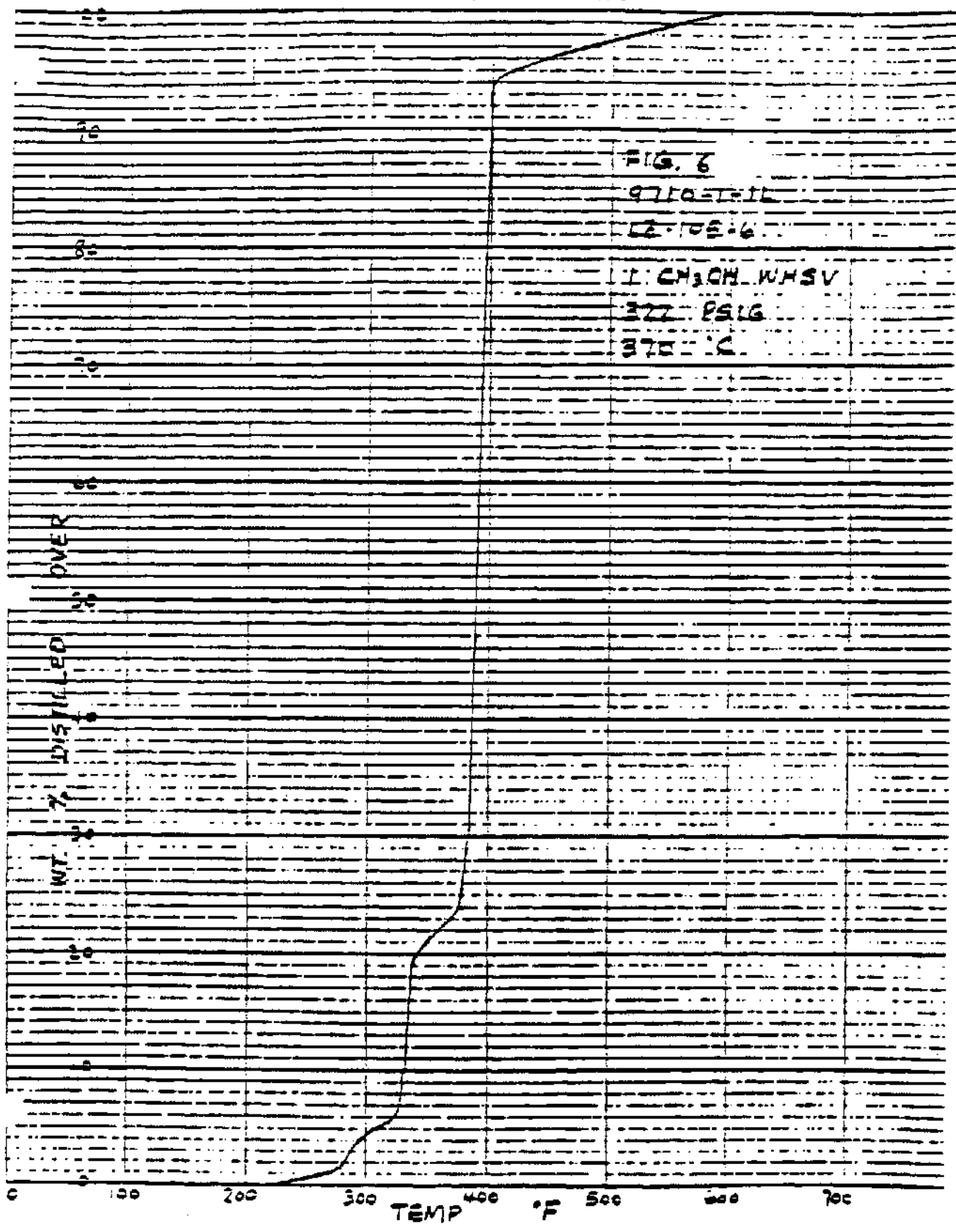
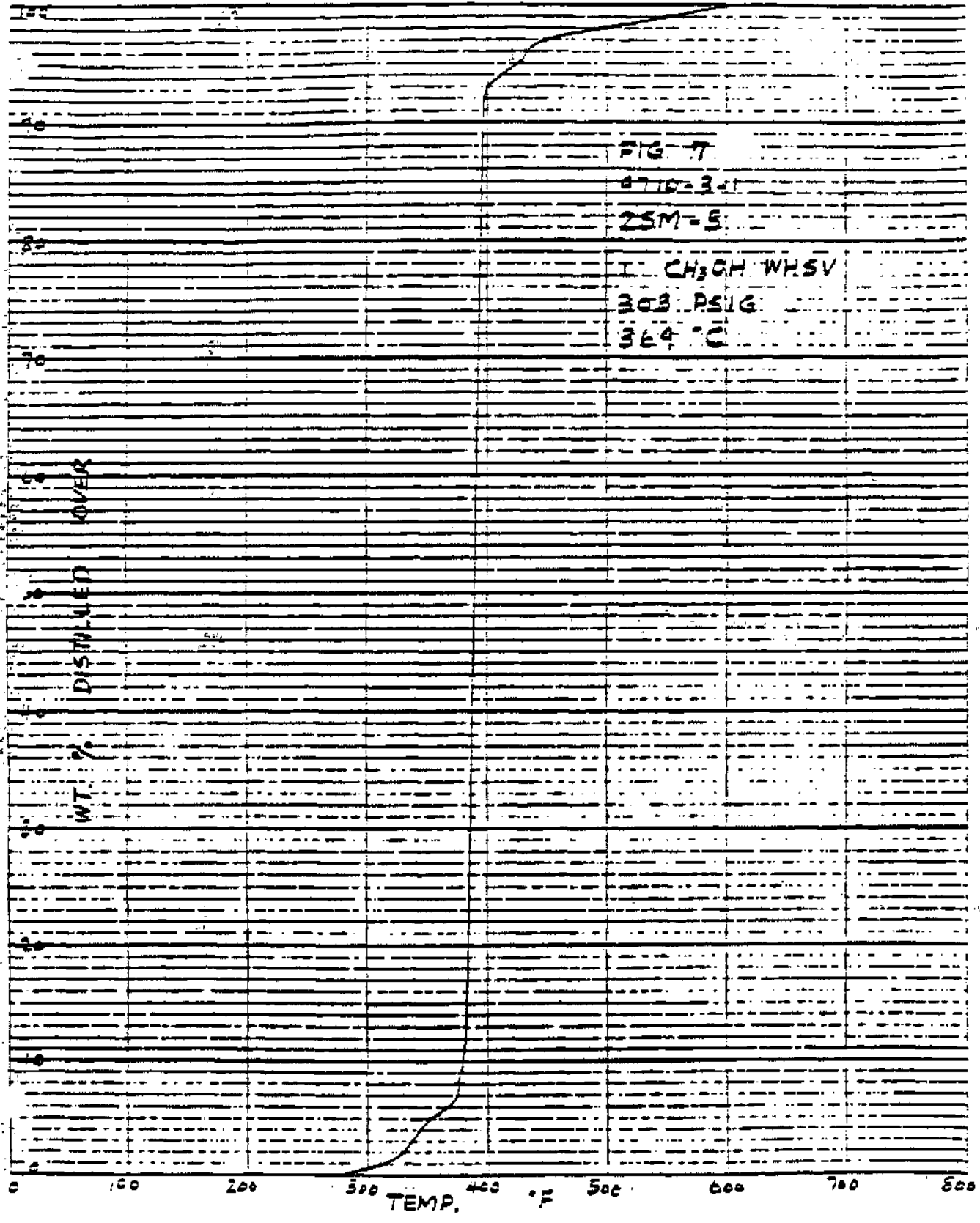
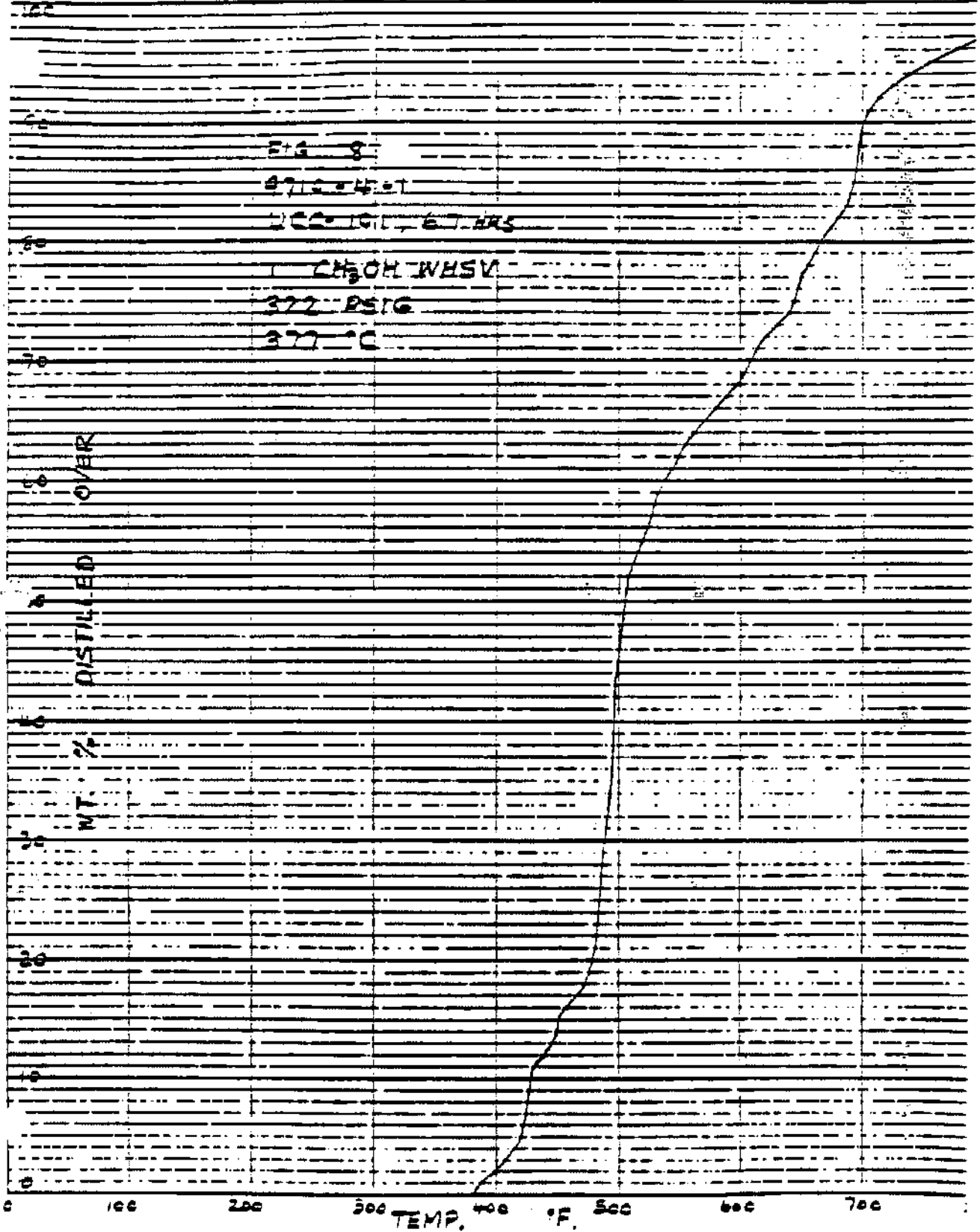
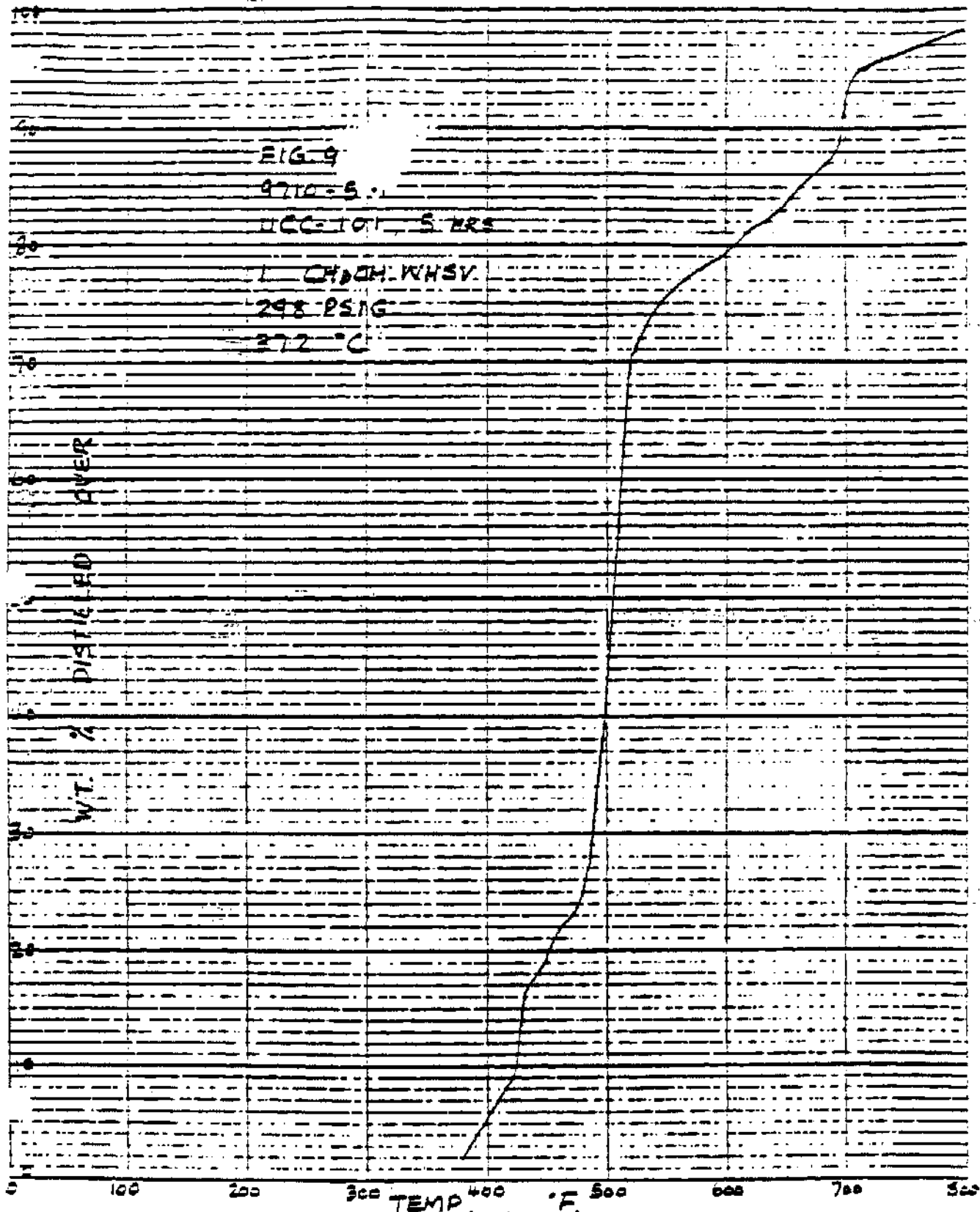
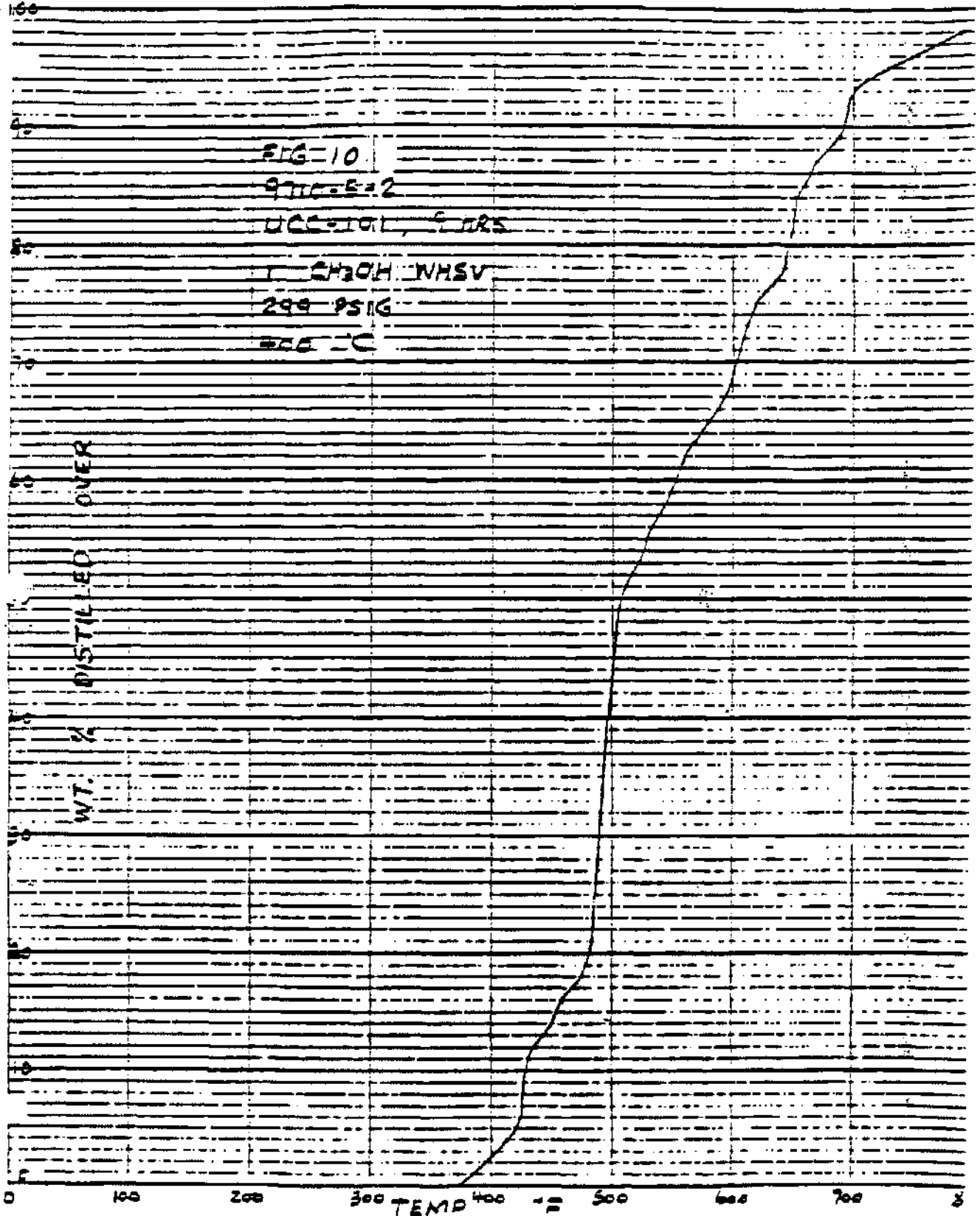


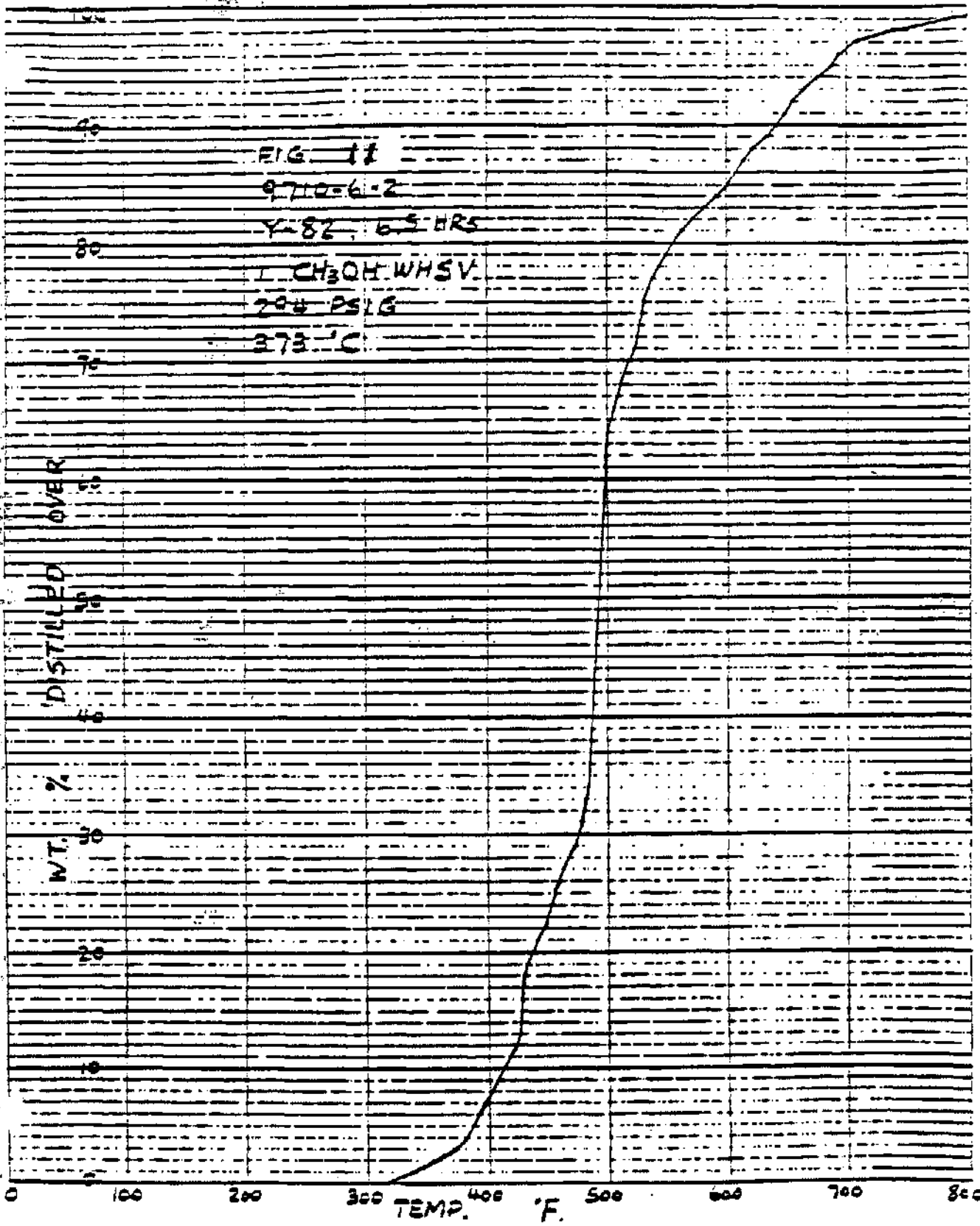
FIG. 6
9710-TRIL
12-105-6
1: CH₃OH. WHSV
327 PSIG
370 °C

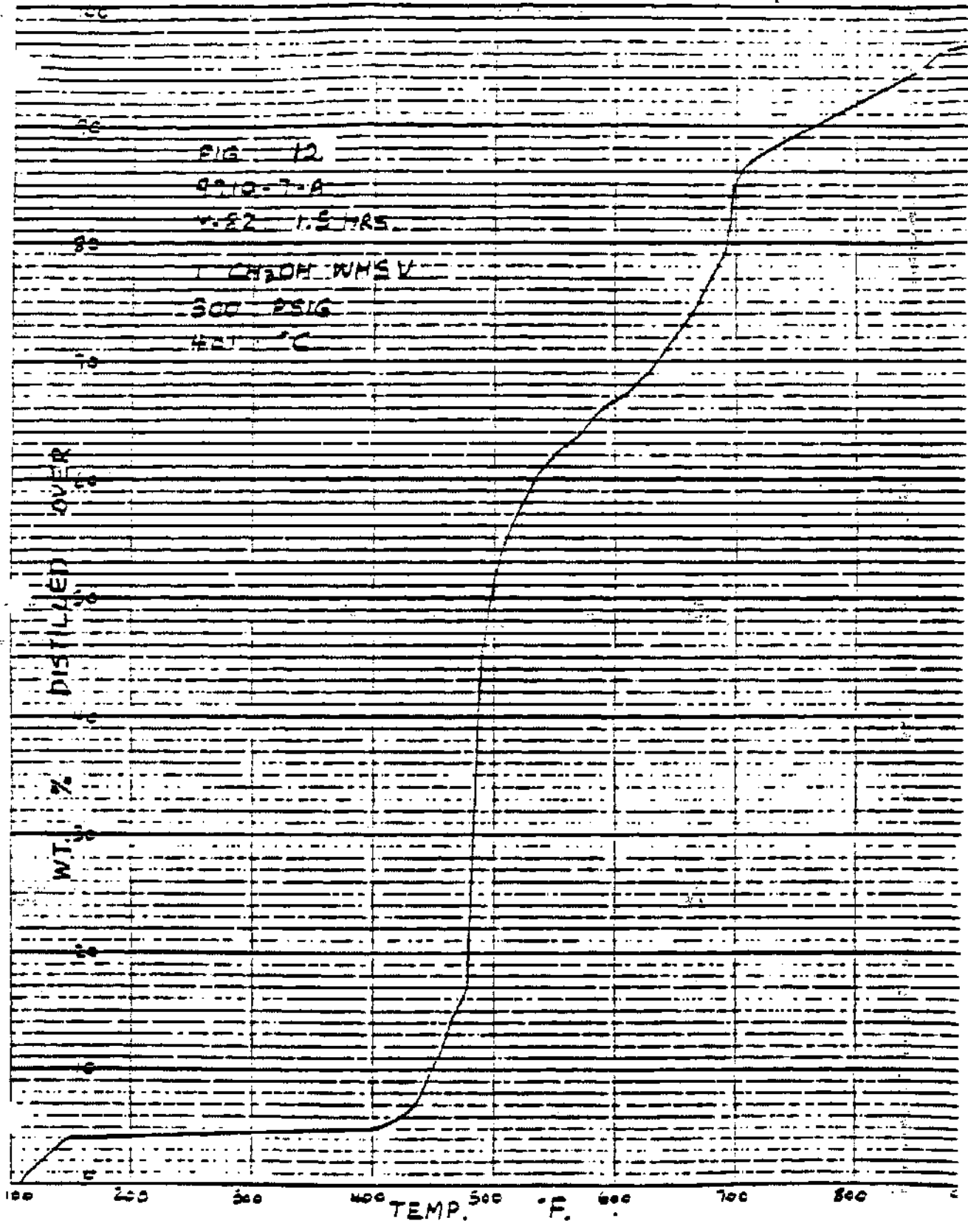


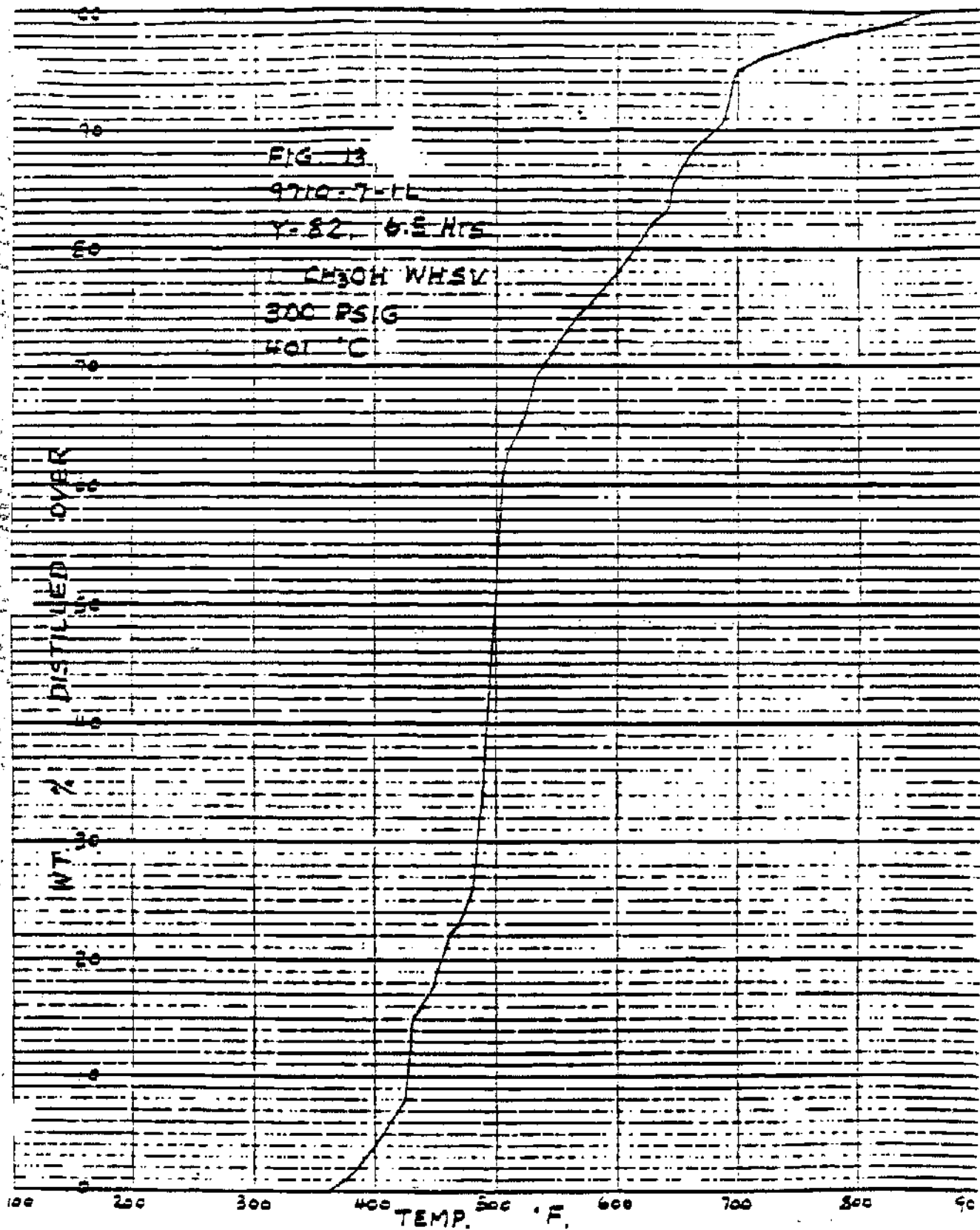


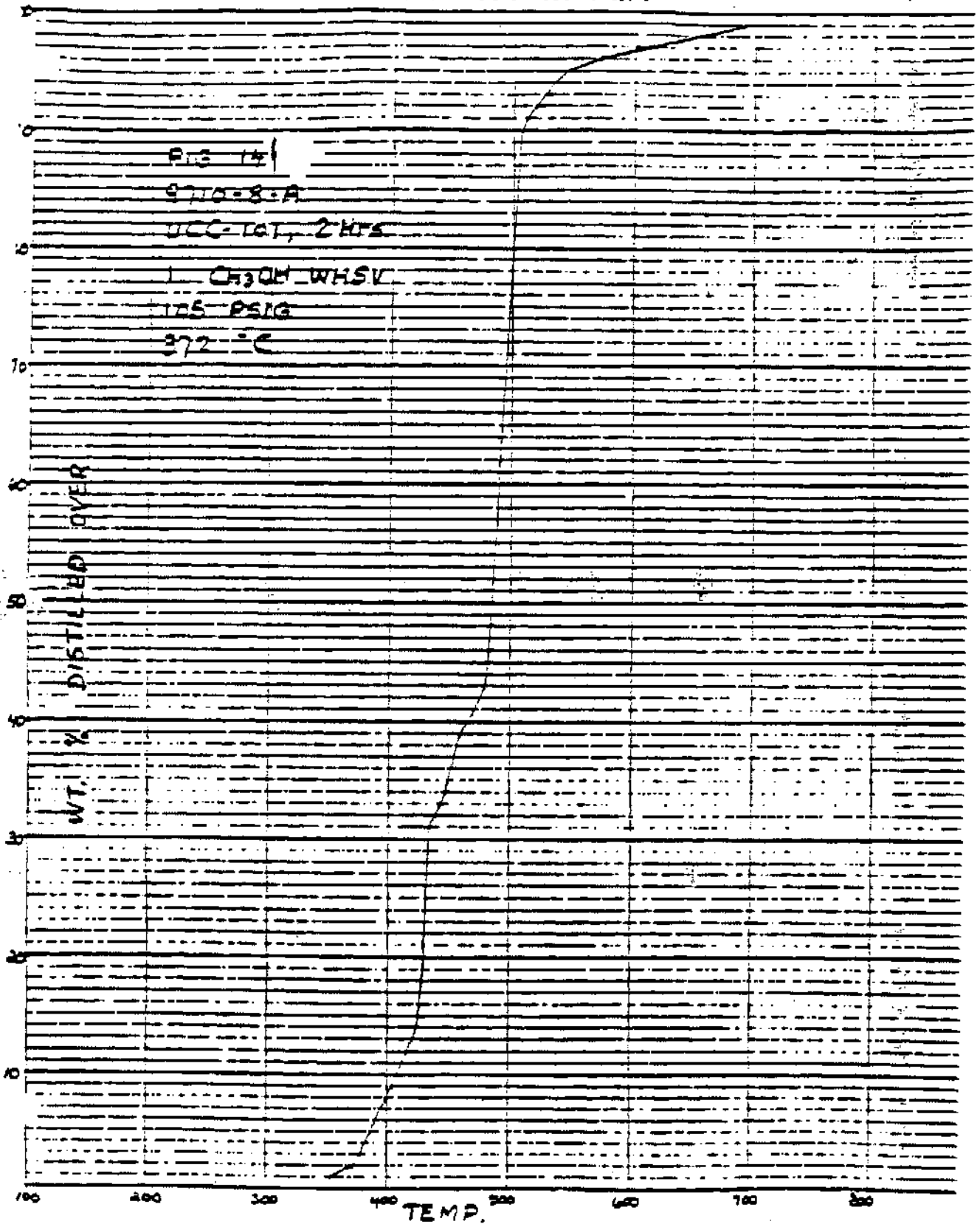


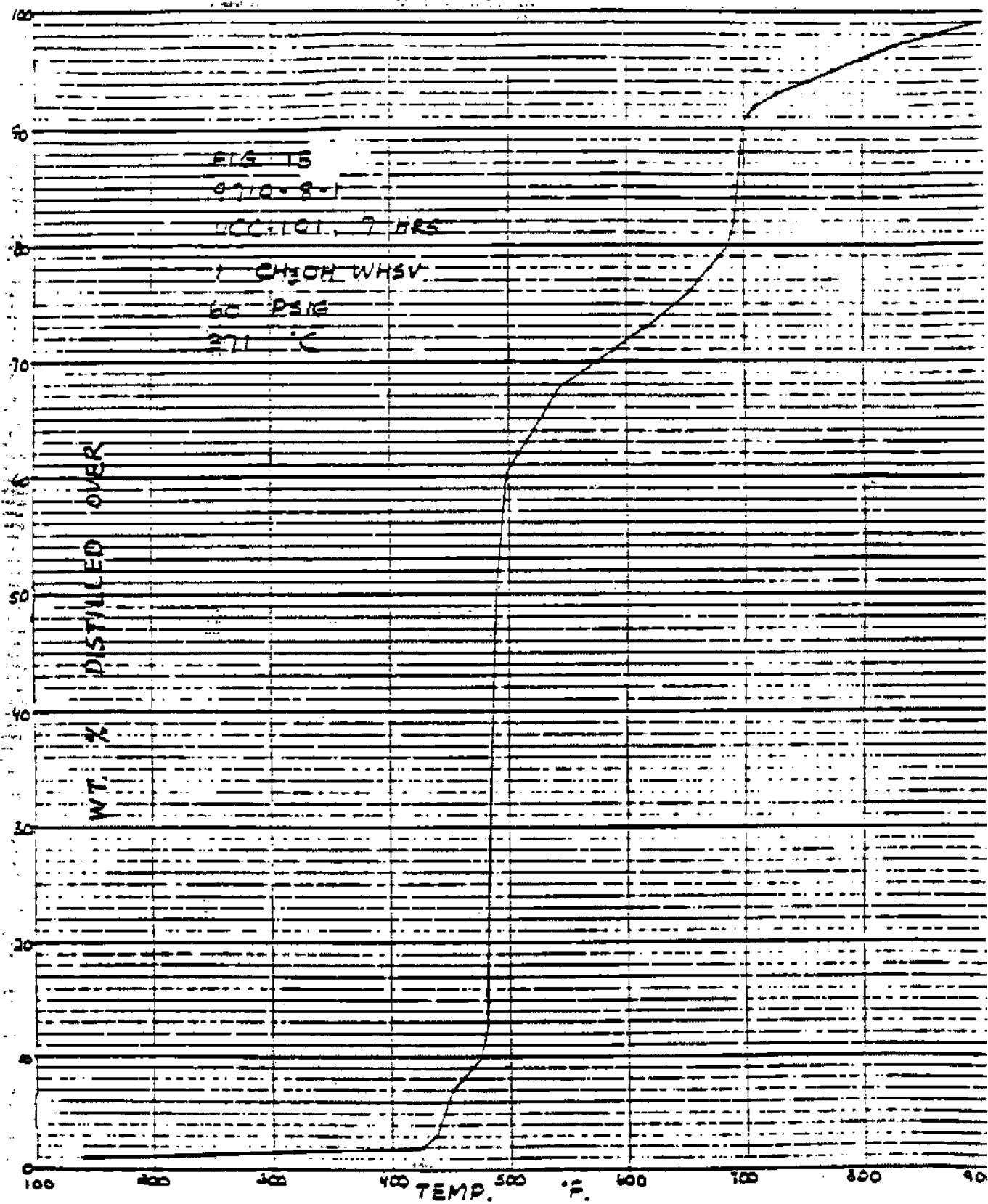


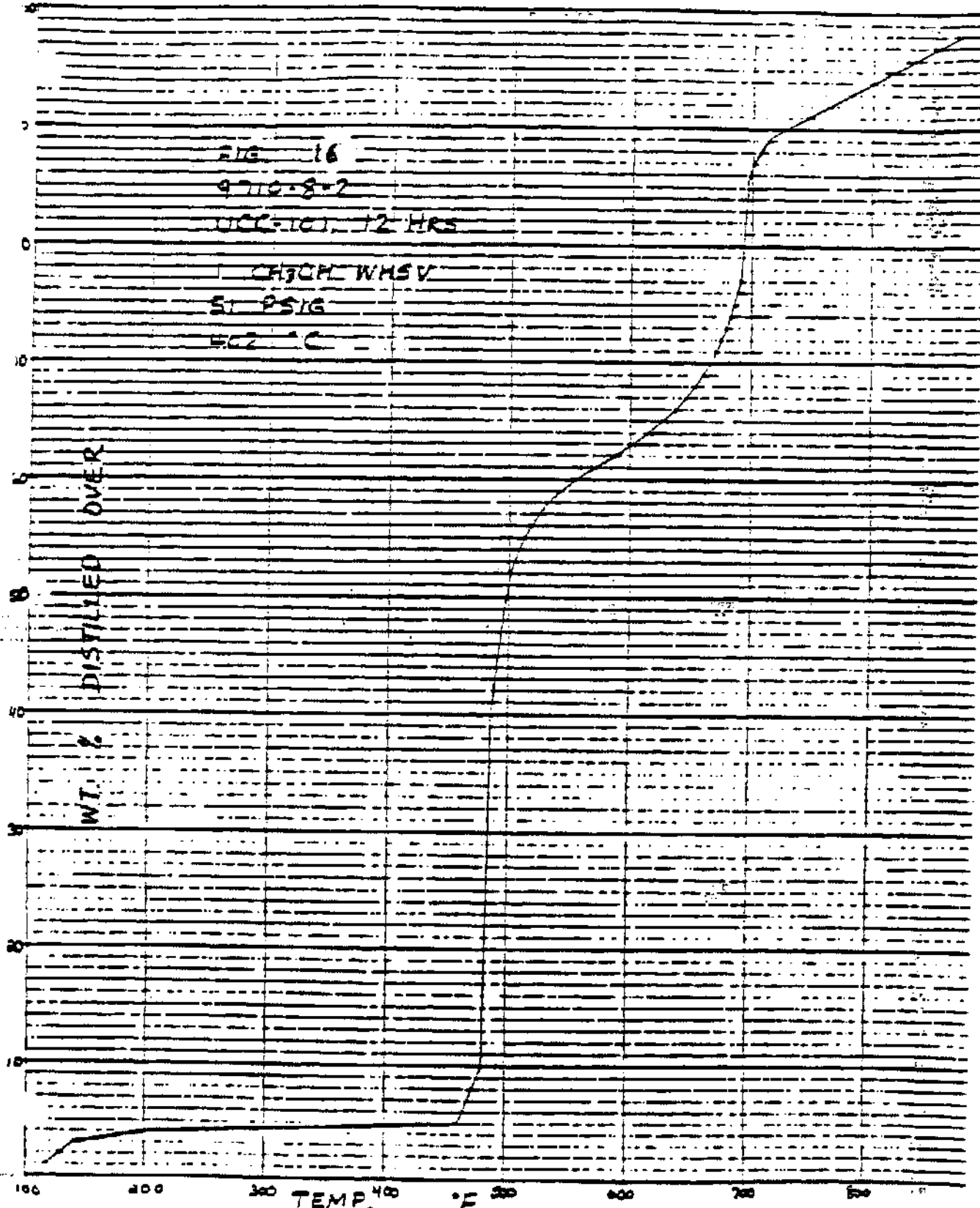




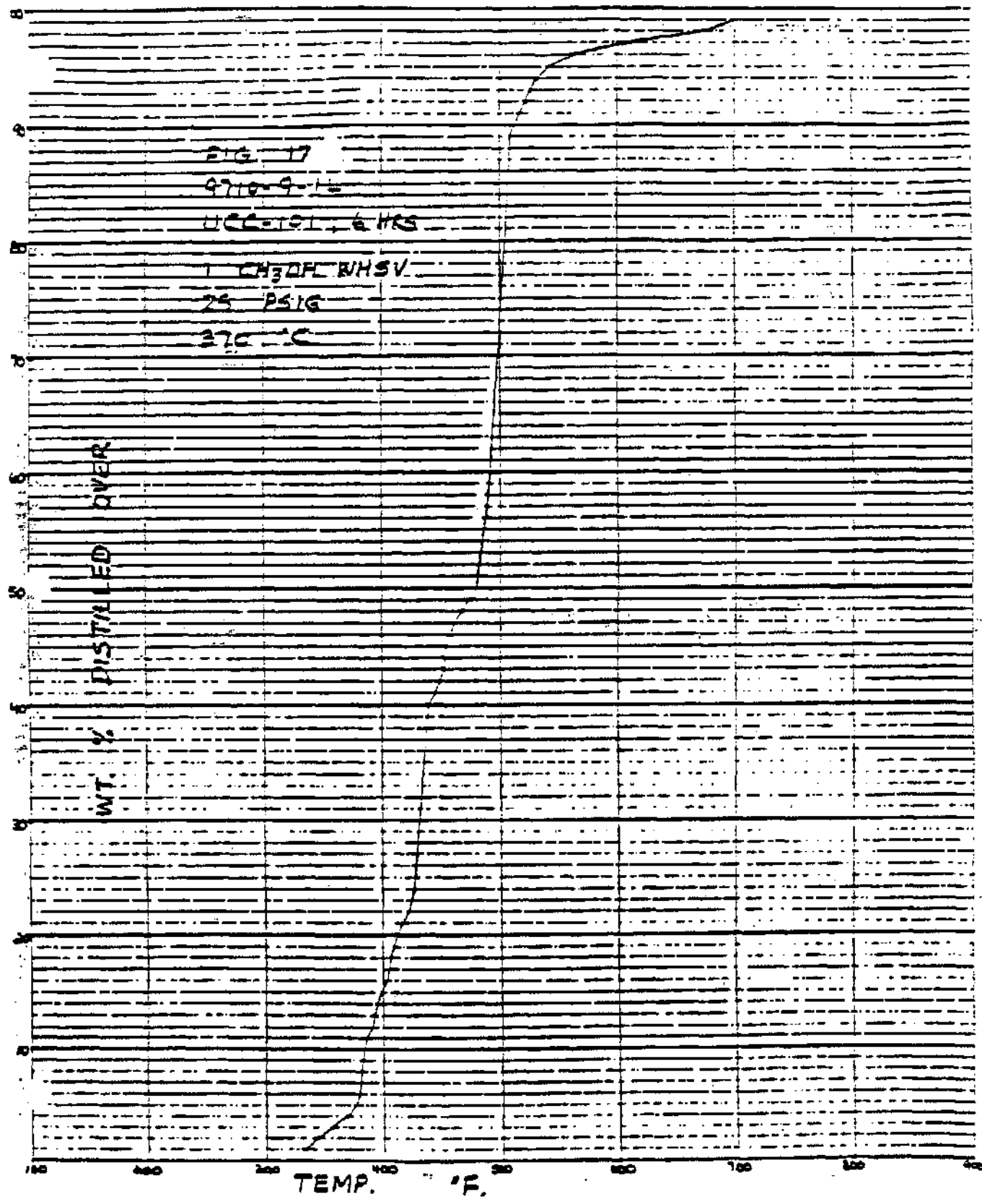


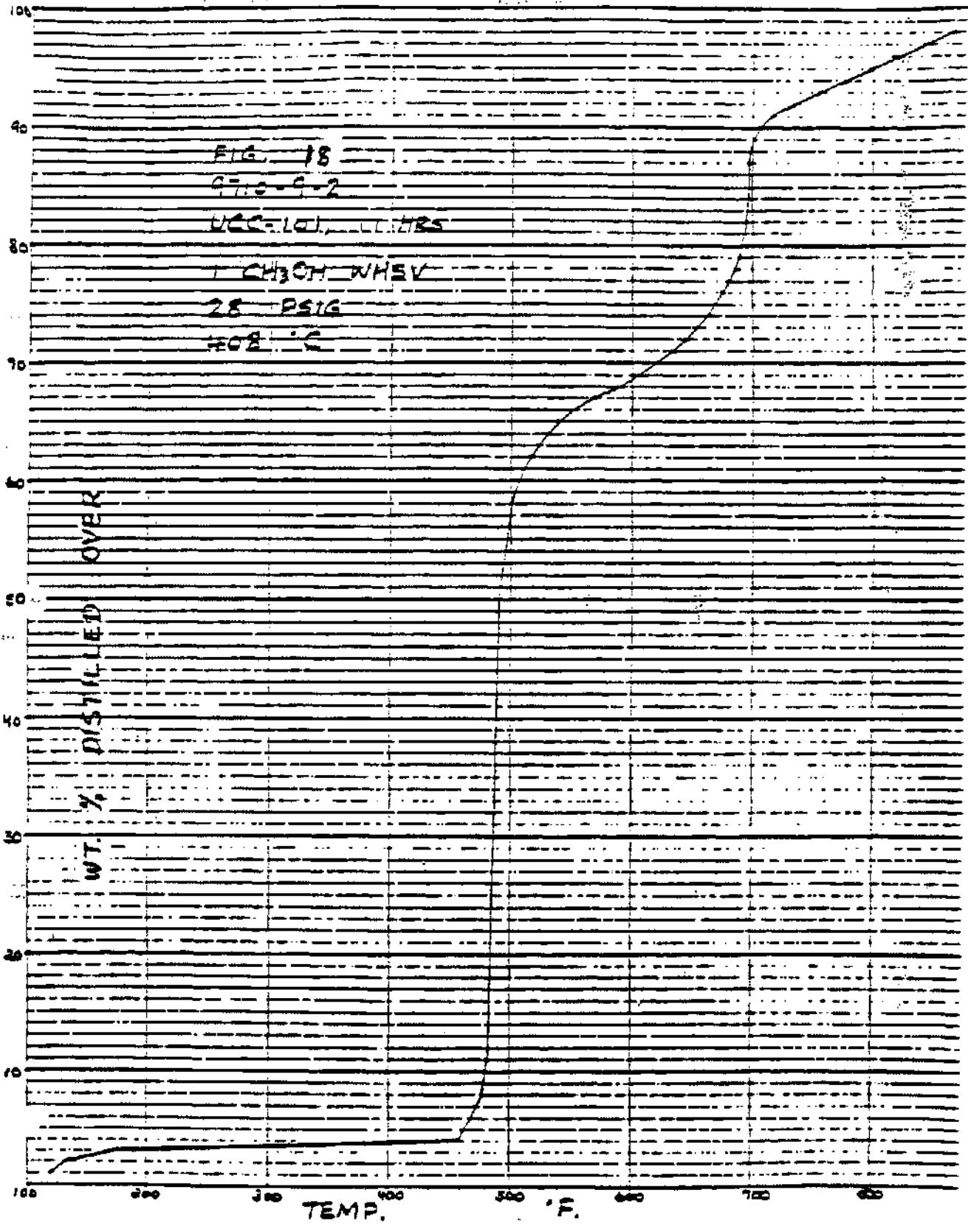


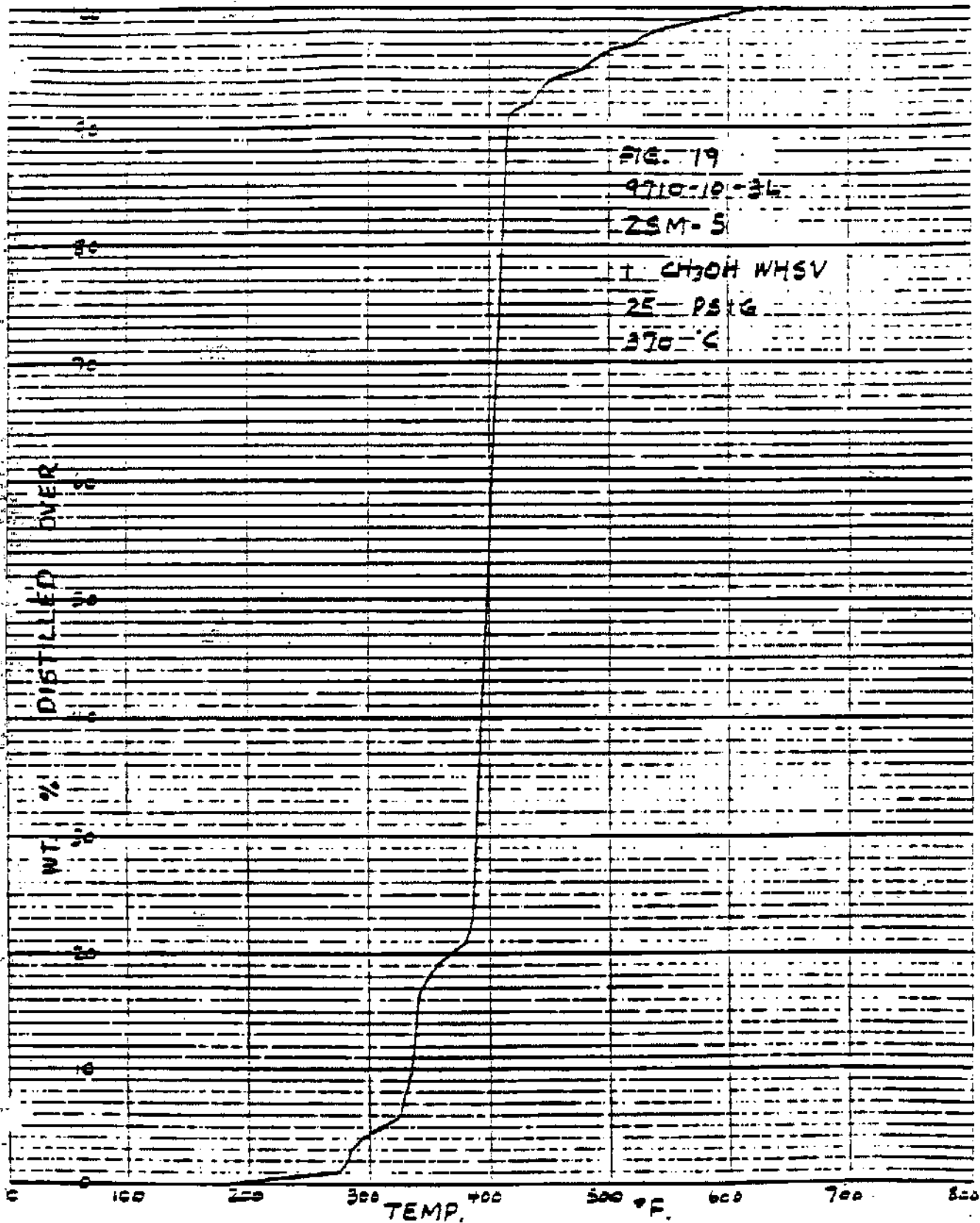


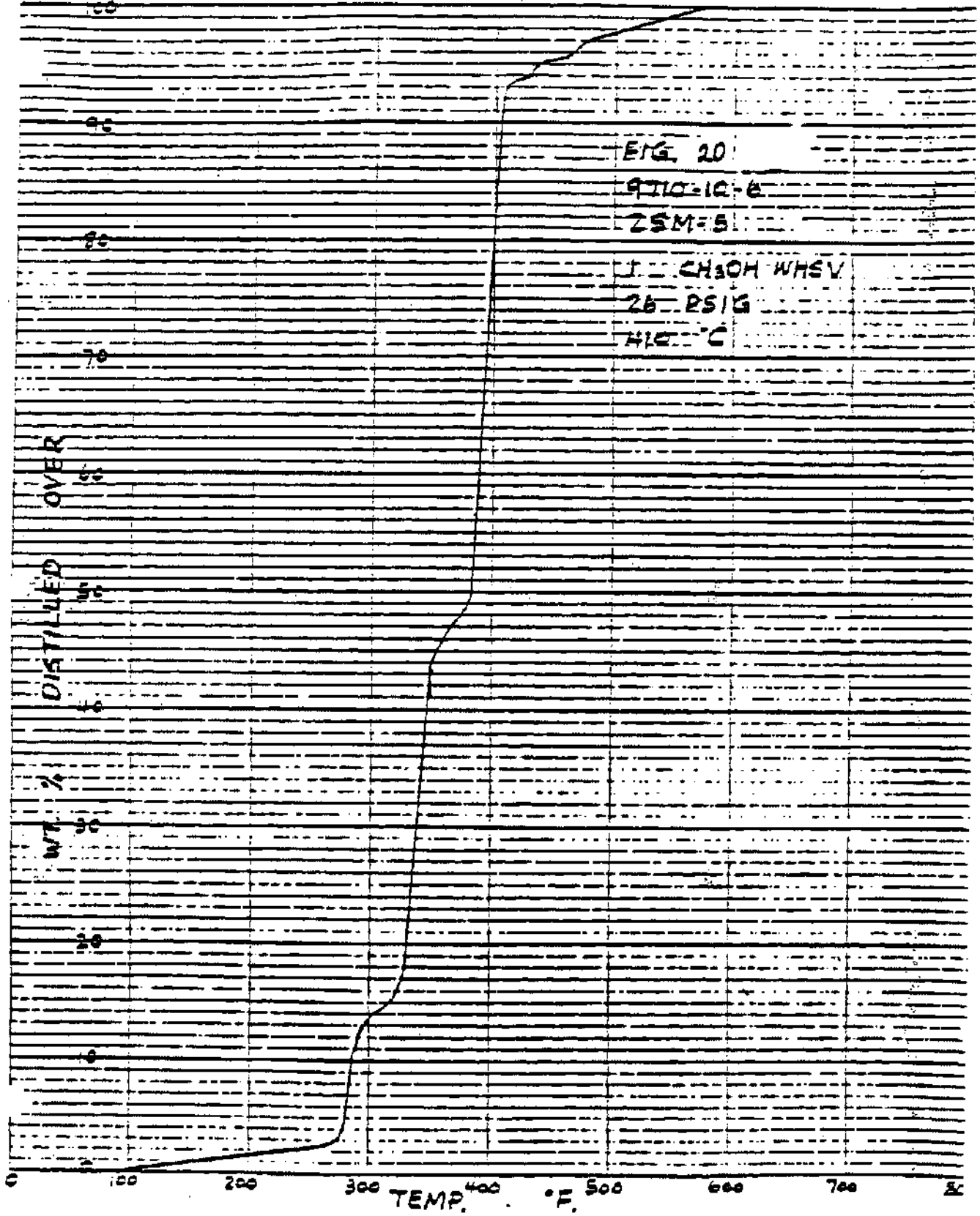


SIG 16
9710-8-2
OCC. TOT. 12 HRS
CH3CH WMSV
SI PSIG
502 °C









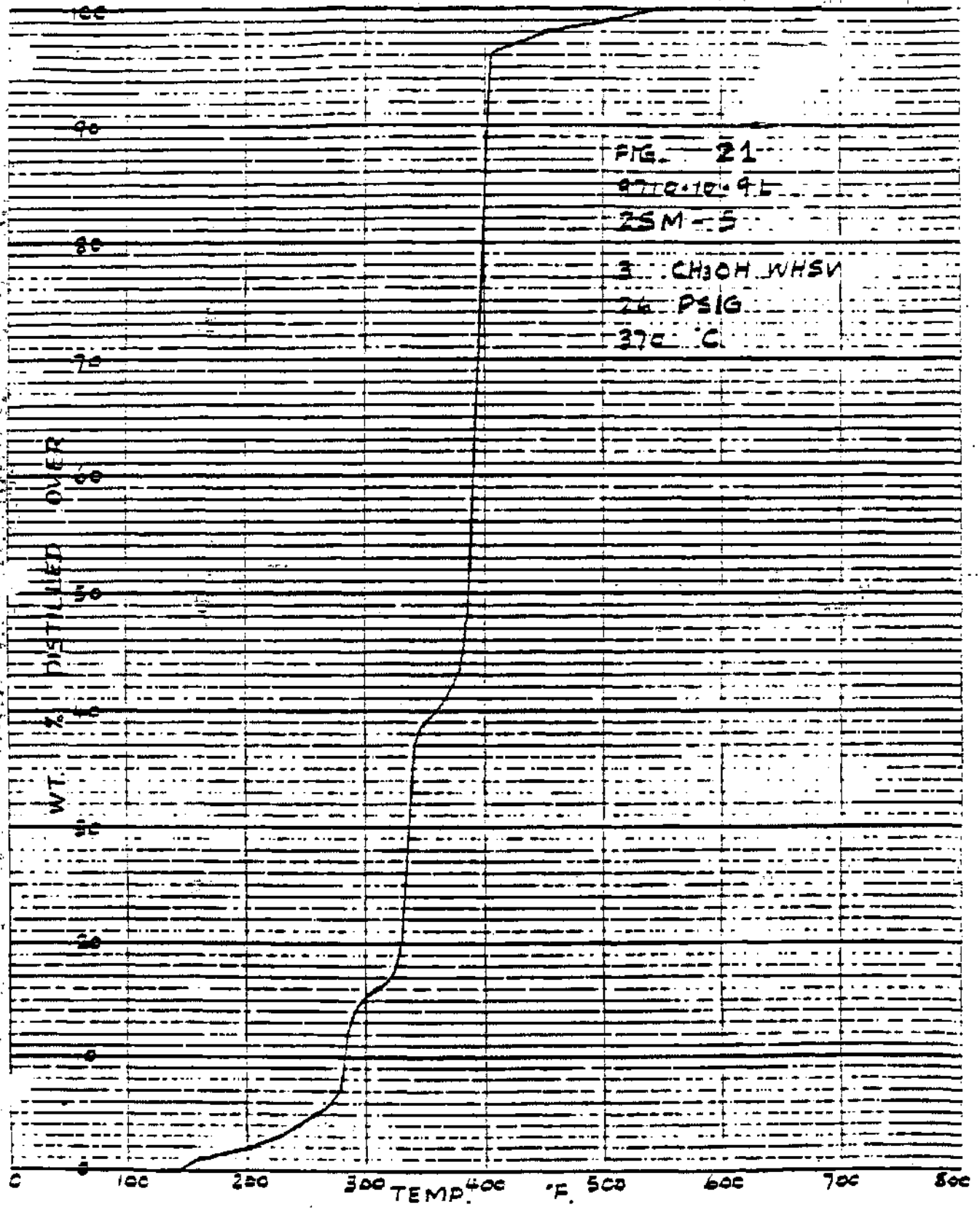
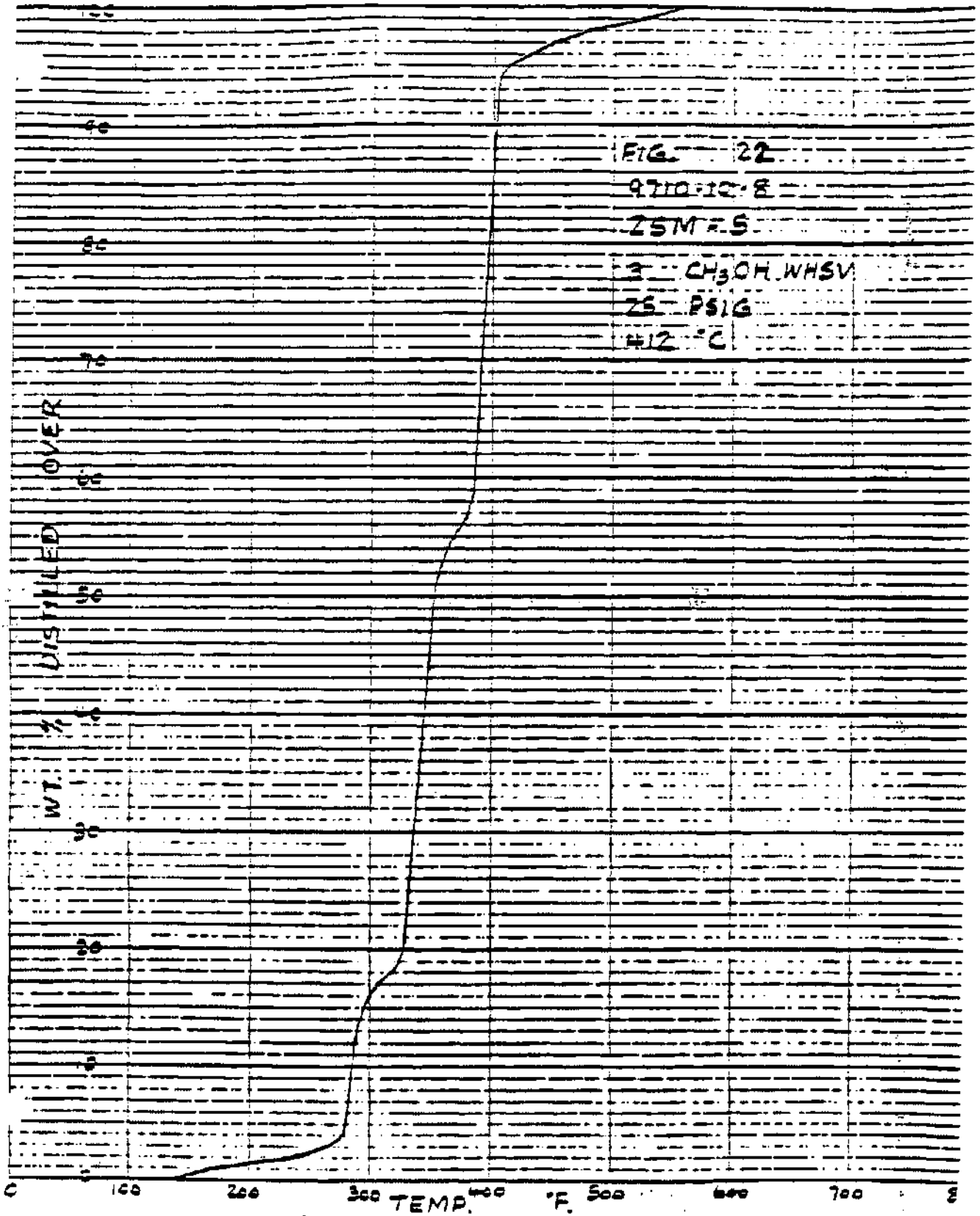


FIG. 21
9710-10-9L
2SM-5
3 CH₃OH WHSV
26 PSIG
370 °C



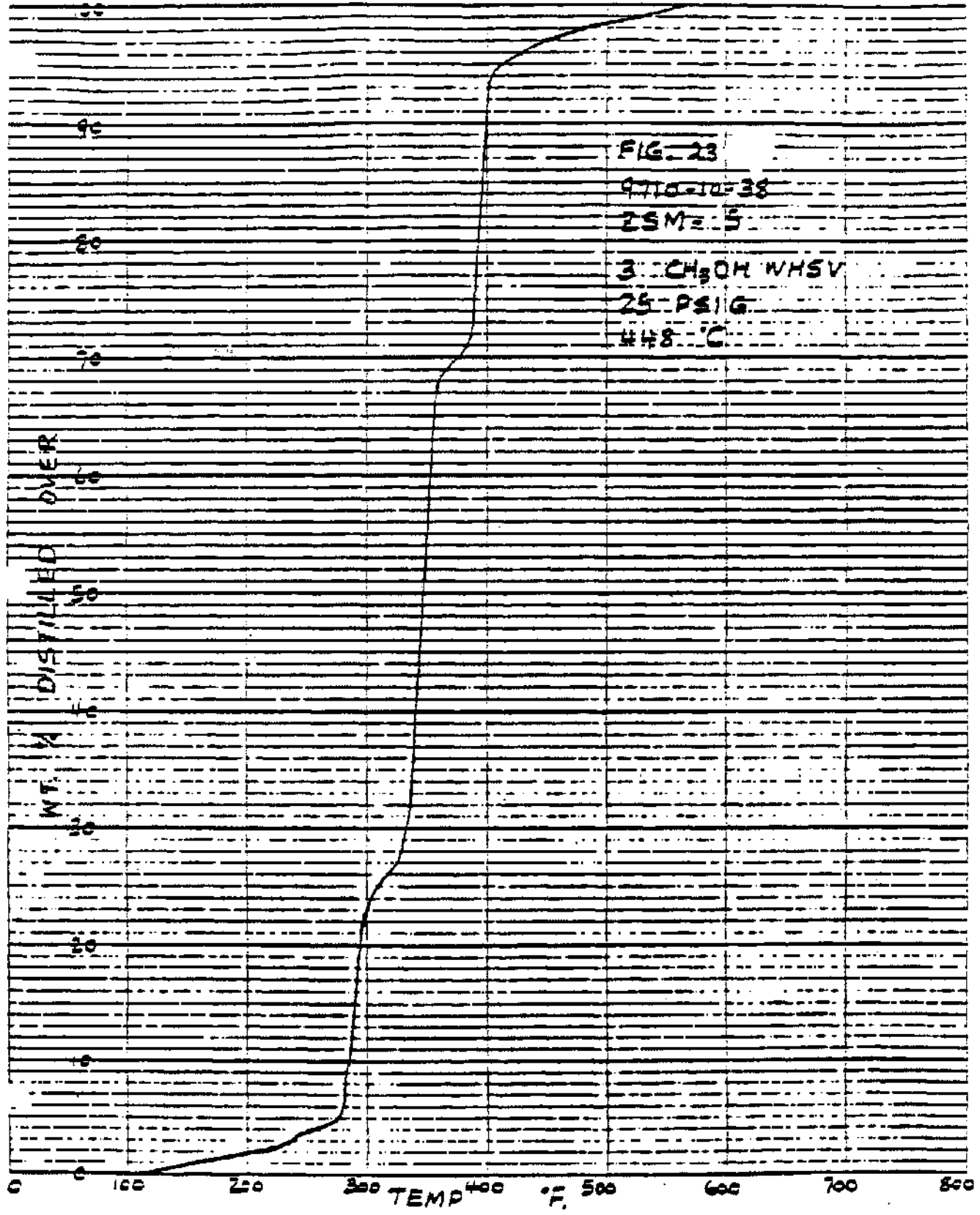


FIG. 23
9710-10-38
25M=5
3-CH₃OH WHSV
25-PSIG
#48 °C

