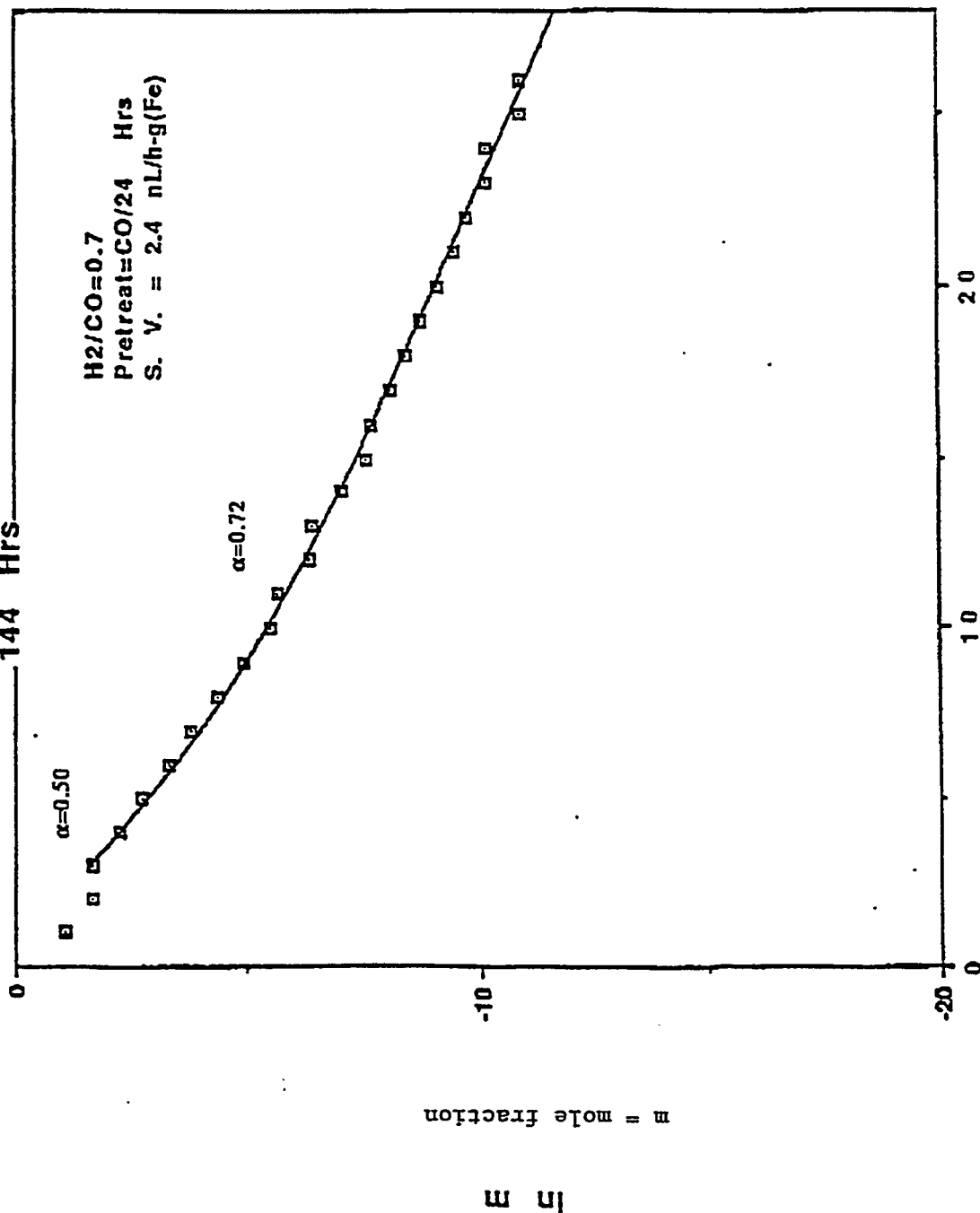


FIGURE 19

LGX129.006

UCI #1185-149

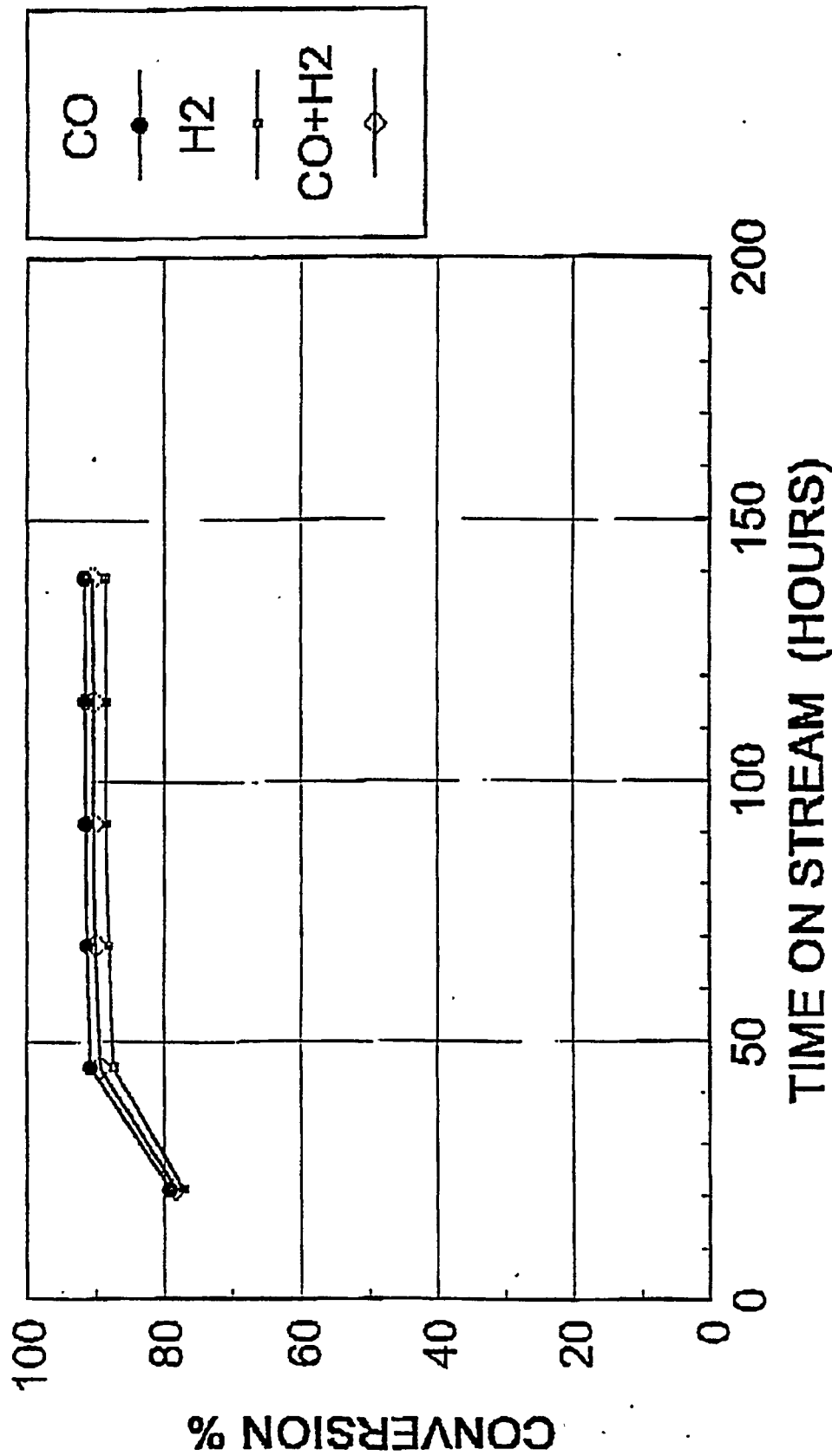
144 Hrs



Carbon Number

FIGURE 20

PETC S3-08 : CONVERSIONS
UCI #1185-149 2ND BATCH



Activation: Hel to 150°C, CO to 270°C, 175 psig, 22 hr, 1.4NL CO/g Fe hr
Synthesis: H₂CO=0.70, 270.5°C, 175 psig, 2.4NL H₂CO/g Fe hr
Fe/Cu/K, Low Alpha, 450 lb Batch, 9 wt% Catalyst in pure C28 (370gms)

FIGURE 21

PETC S3-08-E (116 HOURS) UCI-1185-149 2ND BATCH

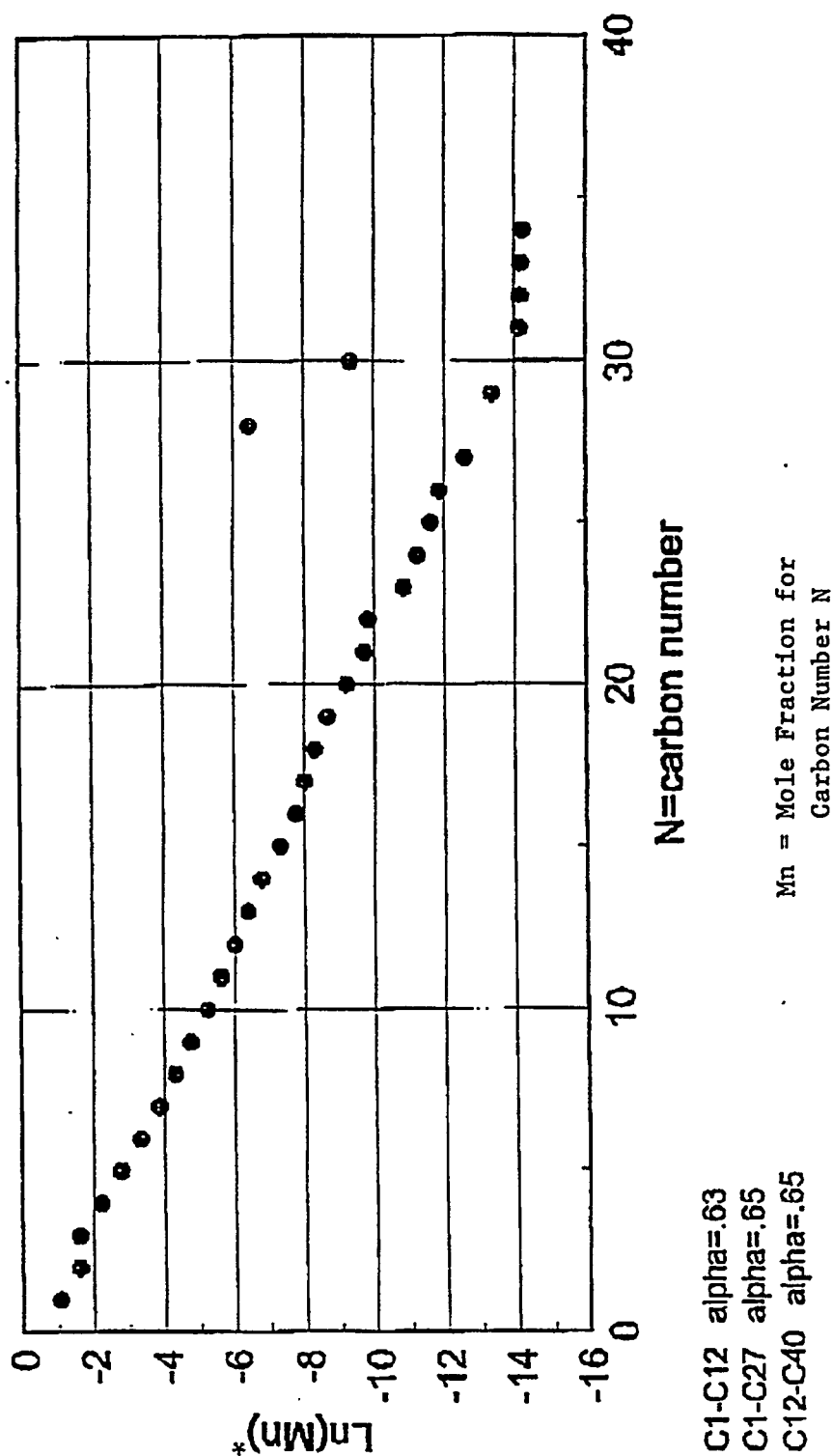


FIGURE 22

UCI-1185-149

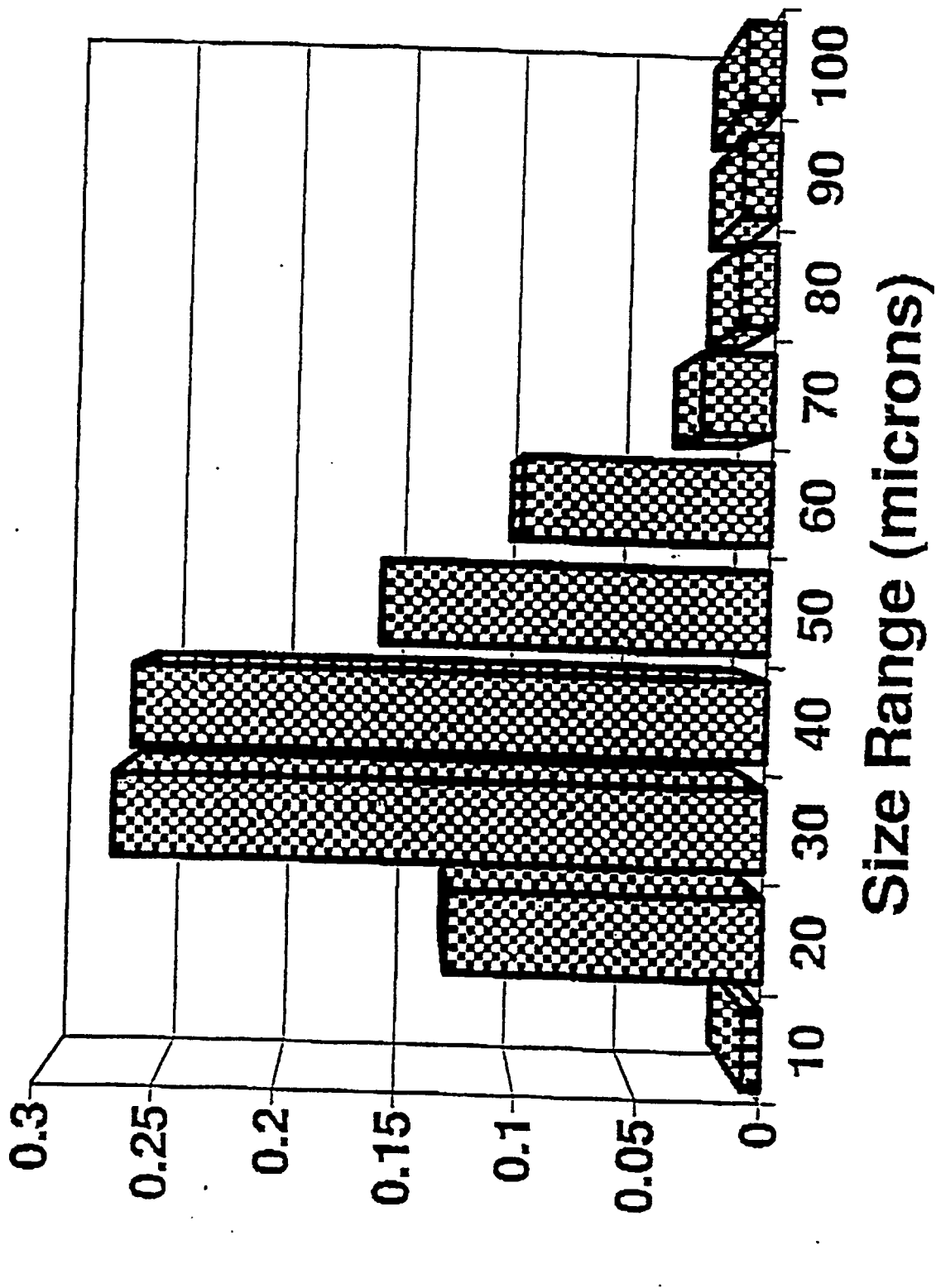


FIGURE 23

SEDIMENTATION TEST RESULTS FOR FISCHER-TROPSCH
AND METHANOL CATALYST IN DRAKEOL-10

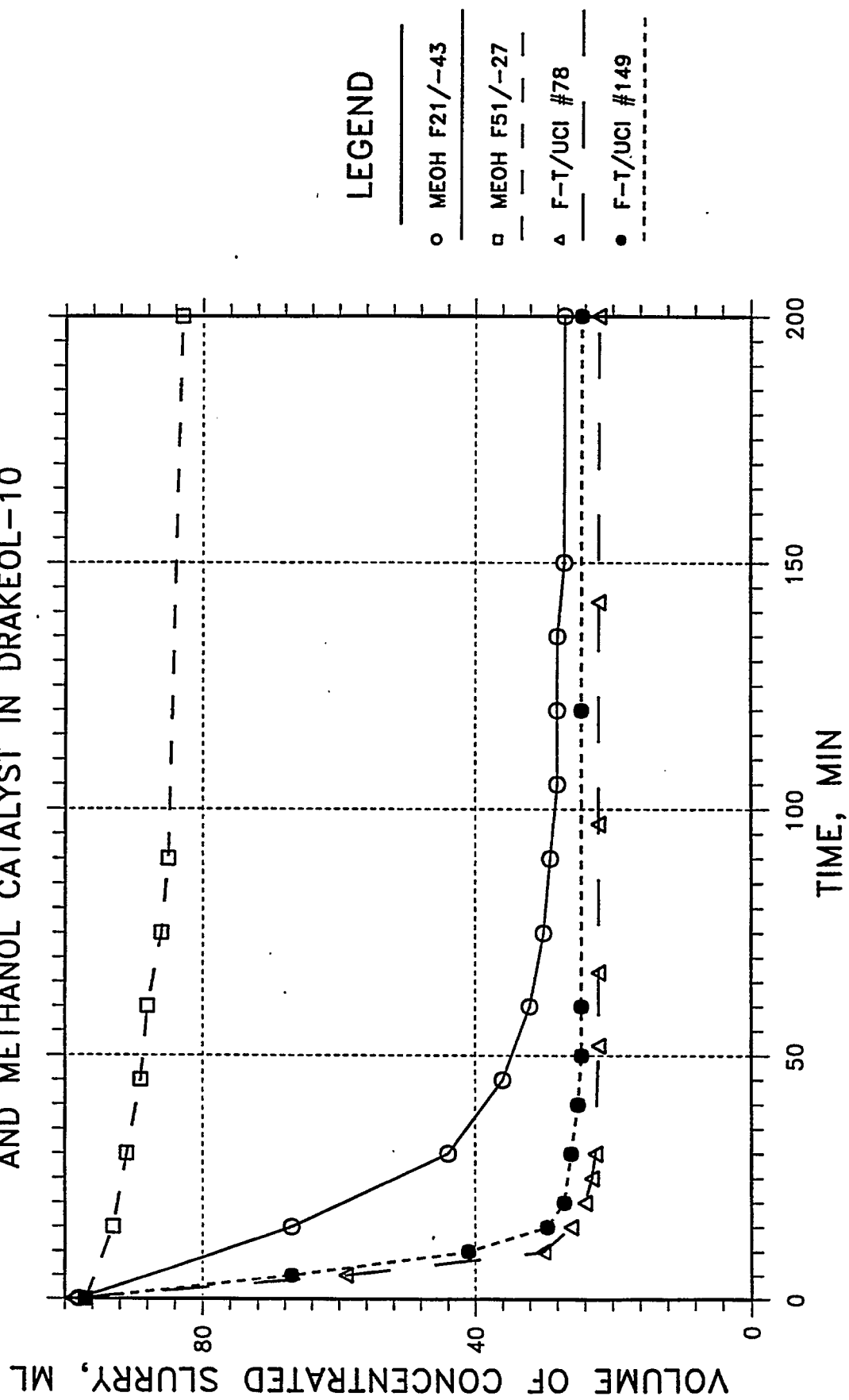
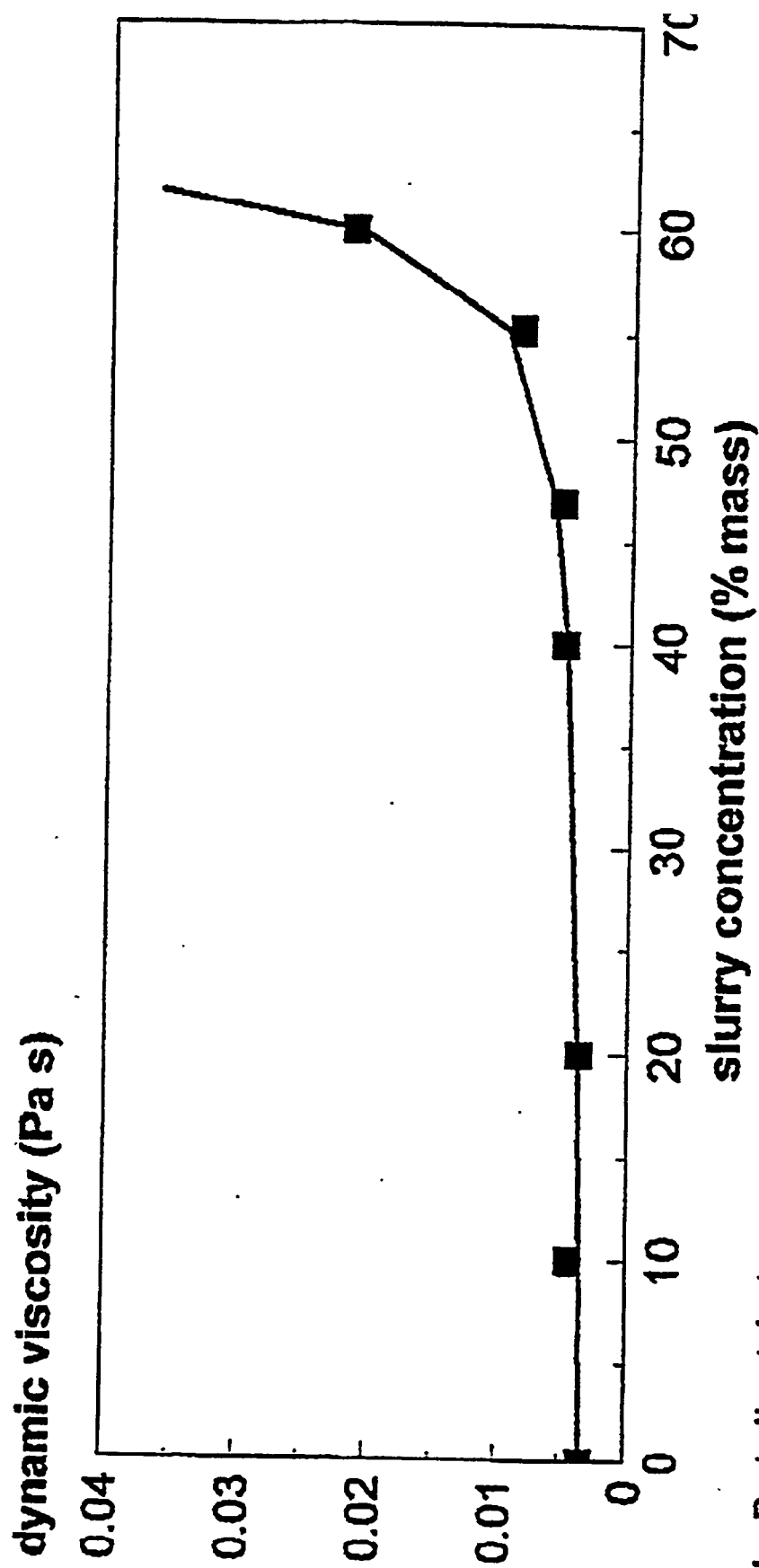


FIGURE 24

Effect of solid content on slurry viscosity



La Porte II catalyst

Liquid: straight run FT light product

T = 22°C, Newtonian behaviour

WT% CATALYST

Effect of solid content on slurry viscosity

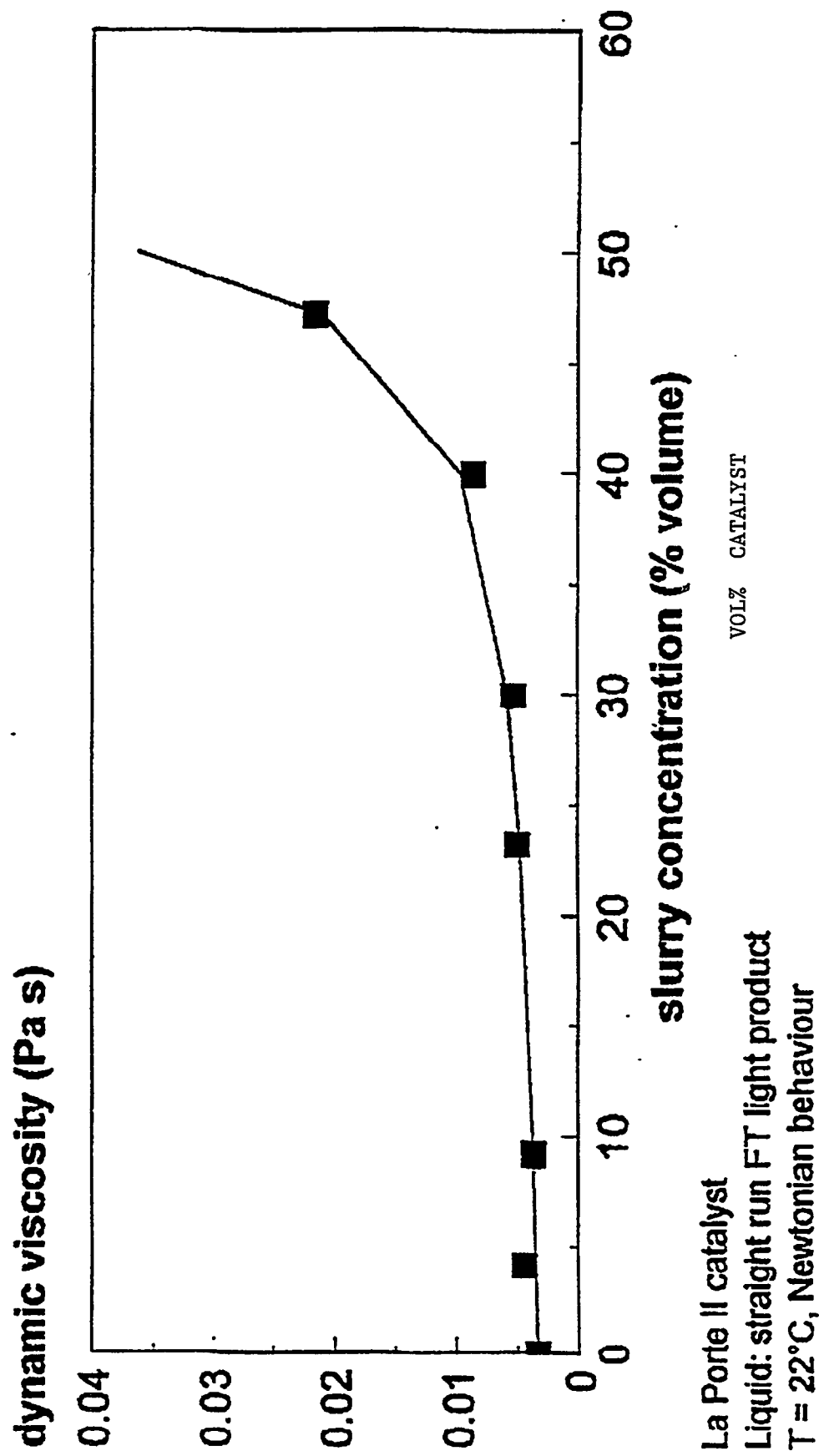


FIGURE 26

Fischer-Tropsch II - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

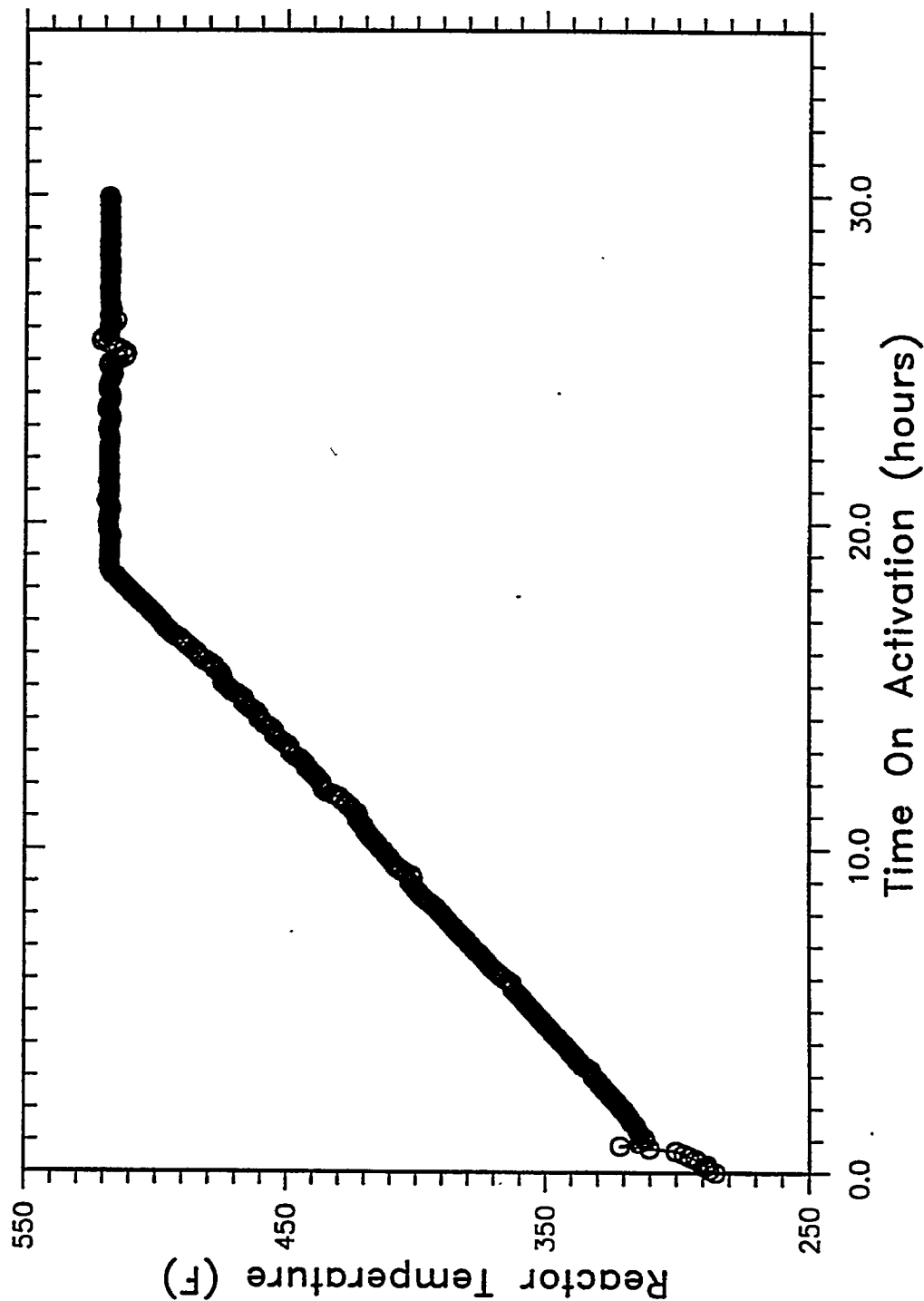


FIGURE 27

Fischer-Tropsch II - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

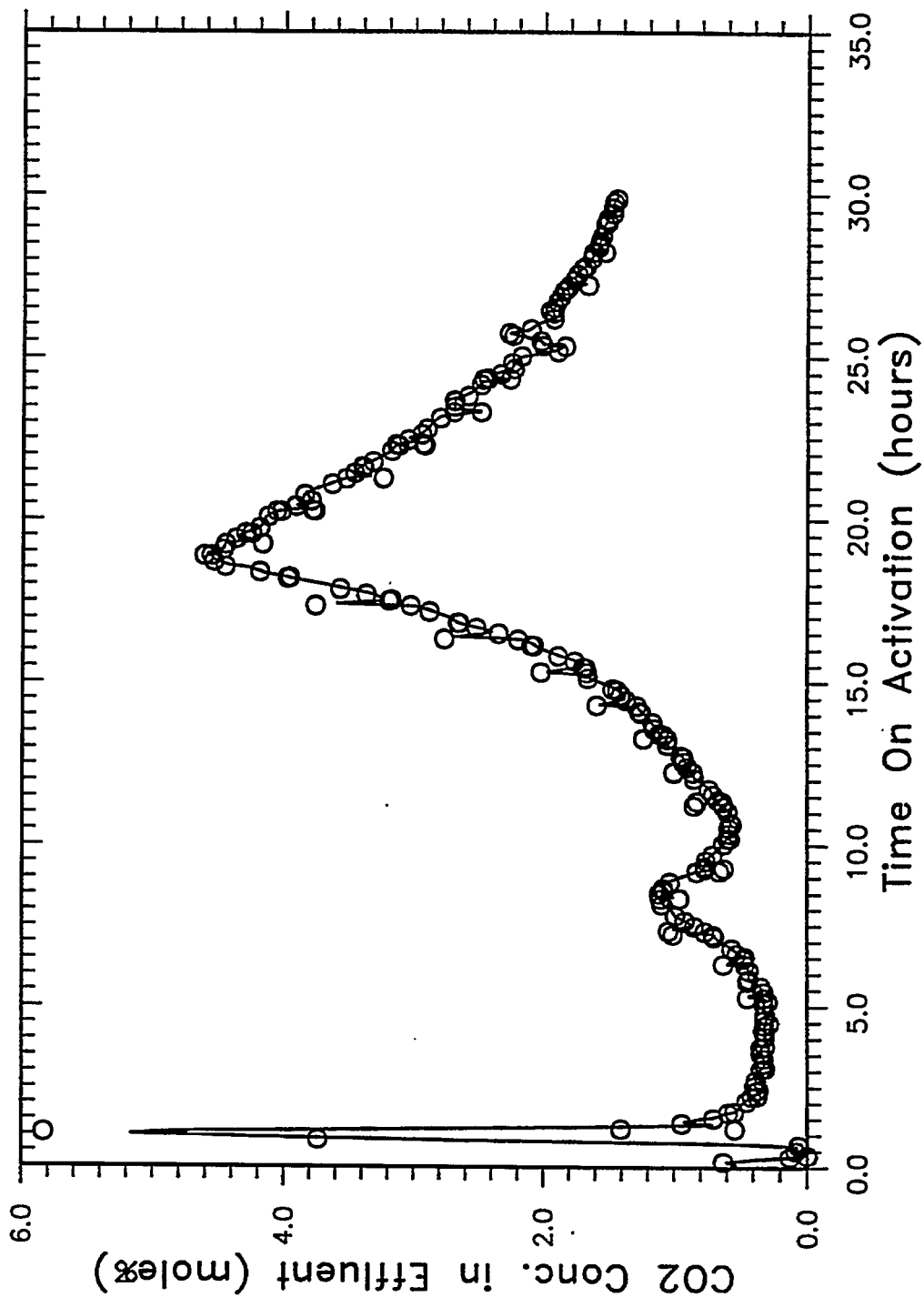


FIGURE 28

Fischer-Tropsch II - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

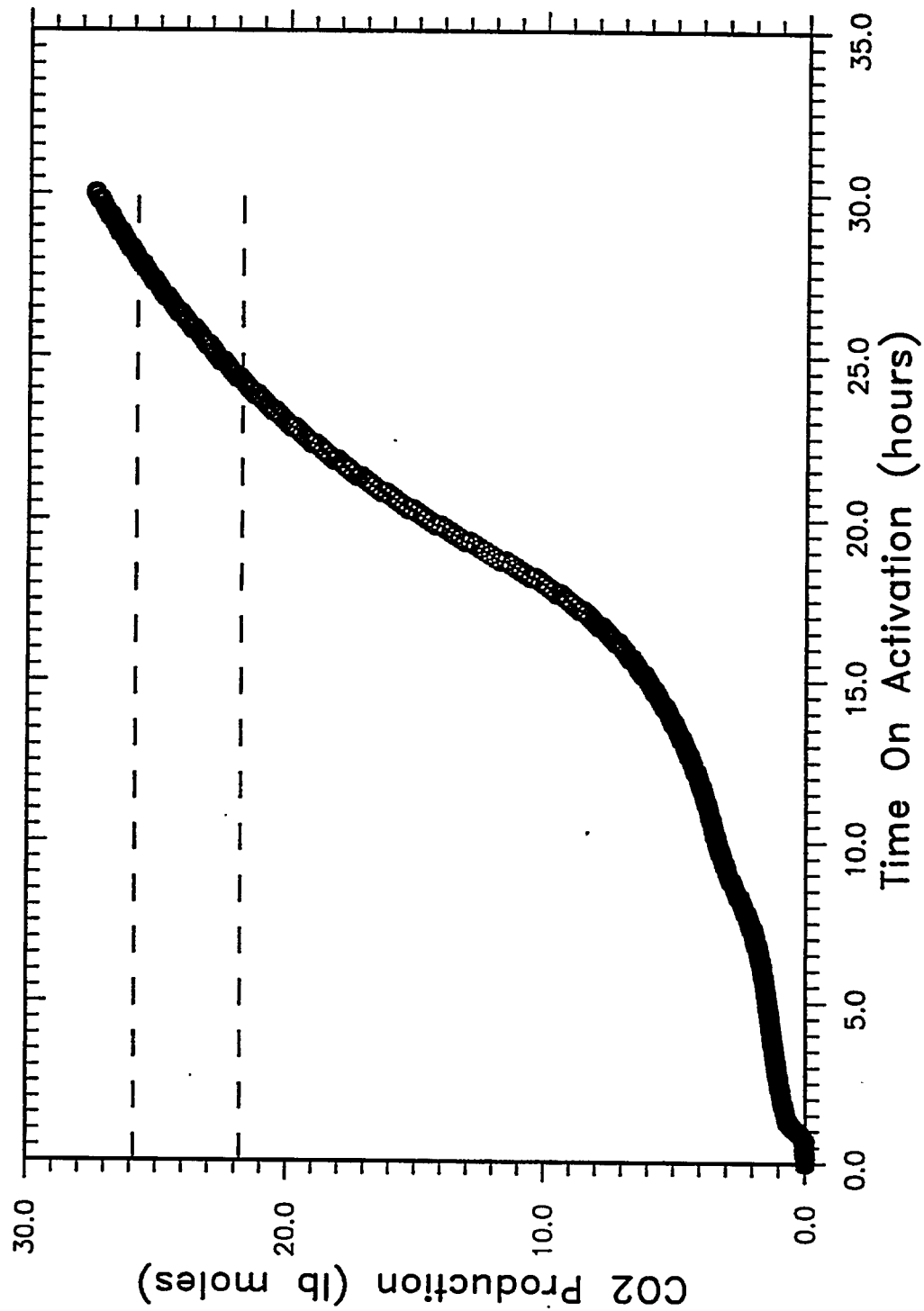


FIGURE 29

Fischer-Tropsch Synthesis (II) At LaPorte AFDU

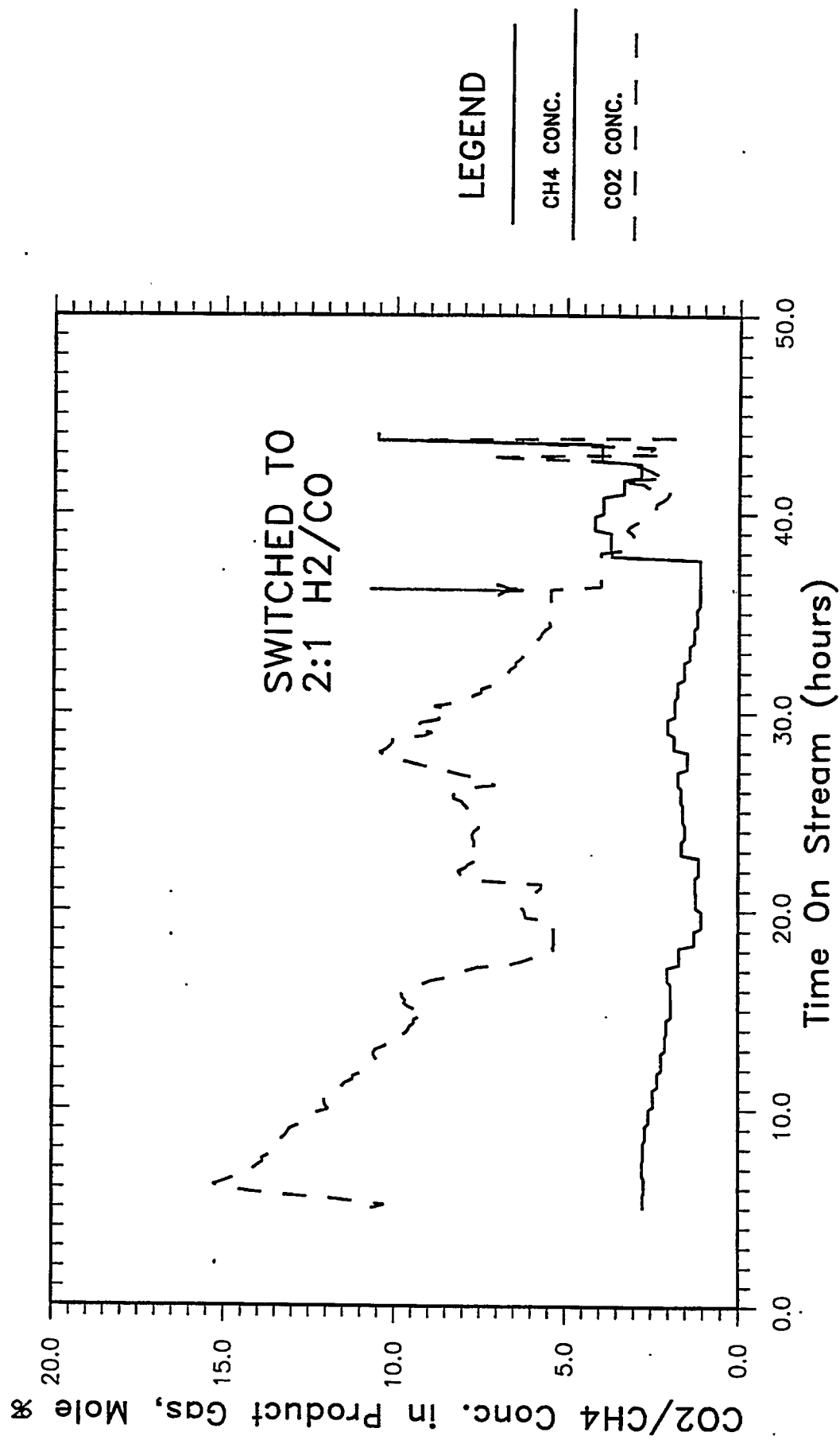


FIGURE 30

Fischer-Tropsch Synthesis (II) At LaPorte AFDU

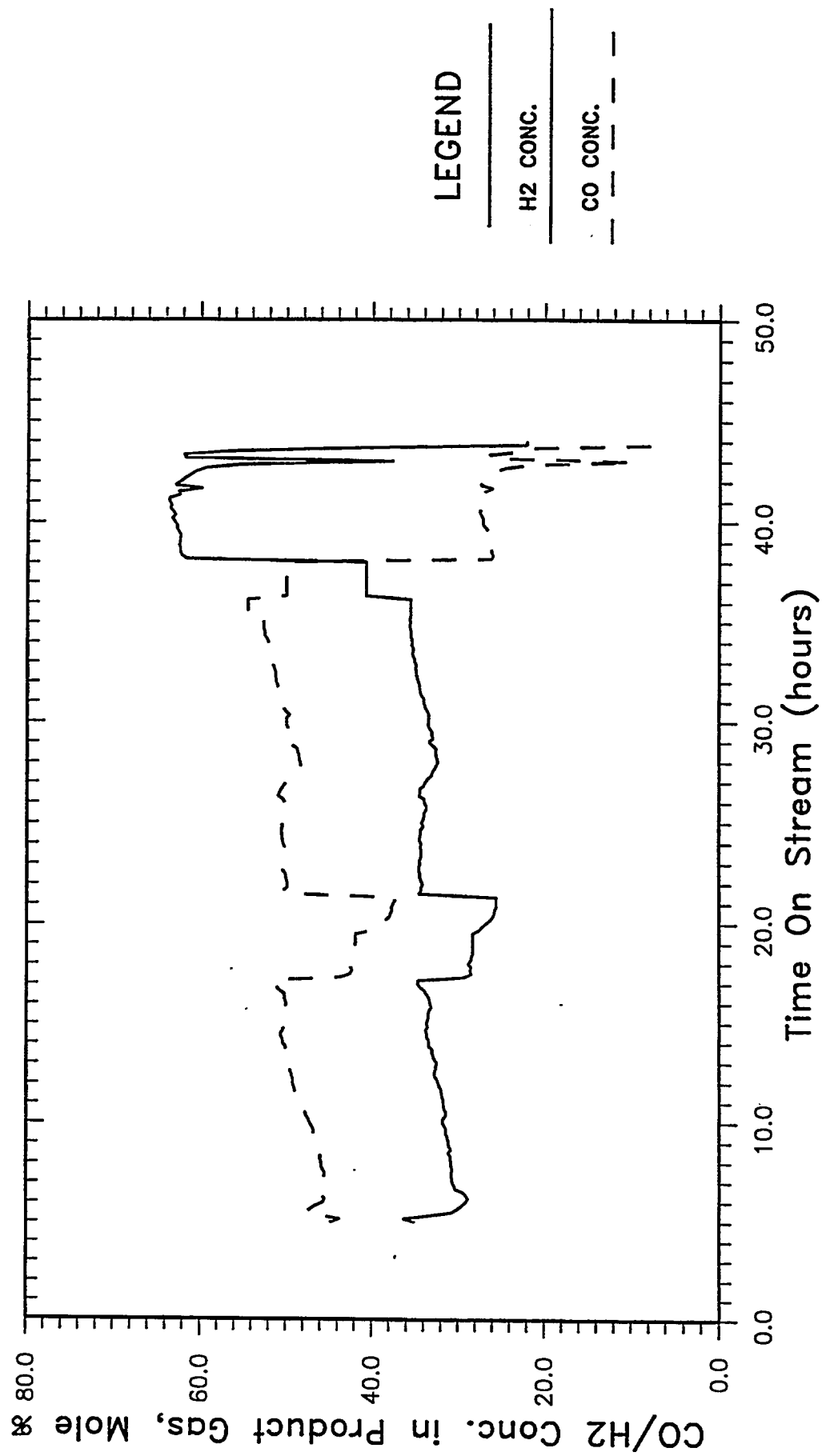
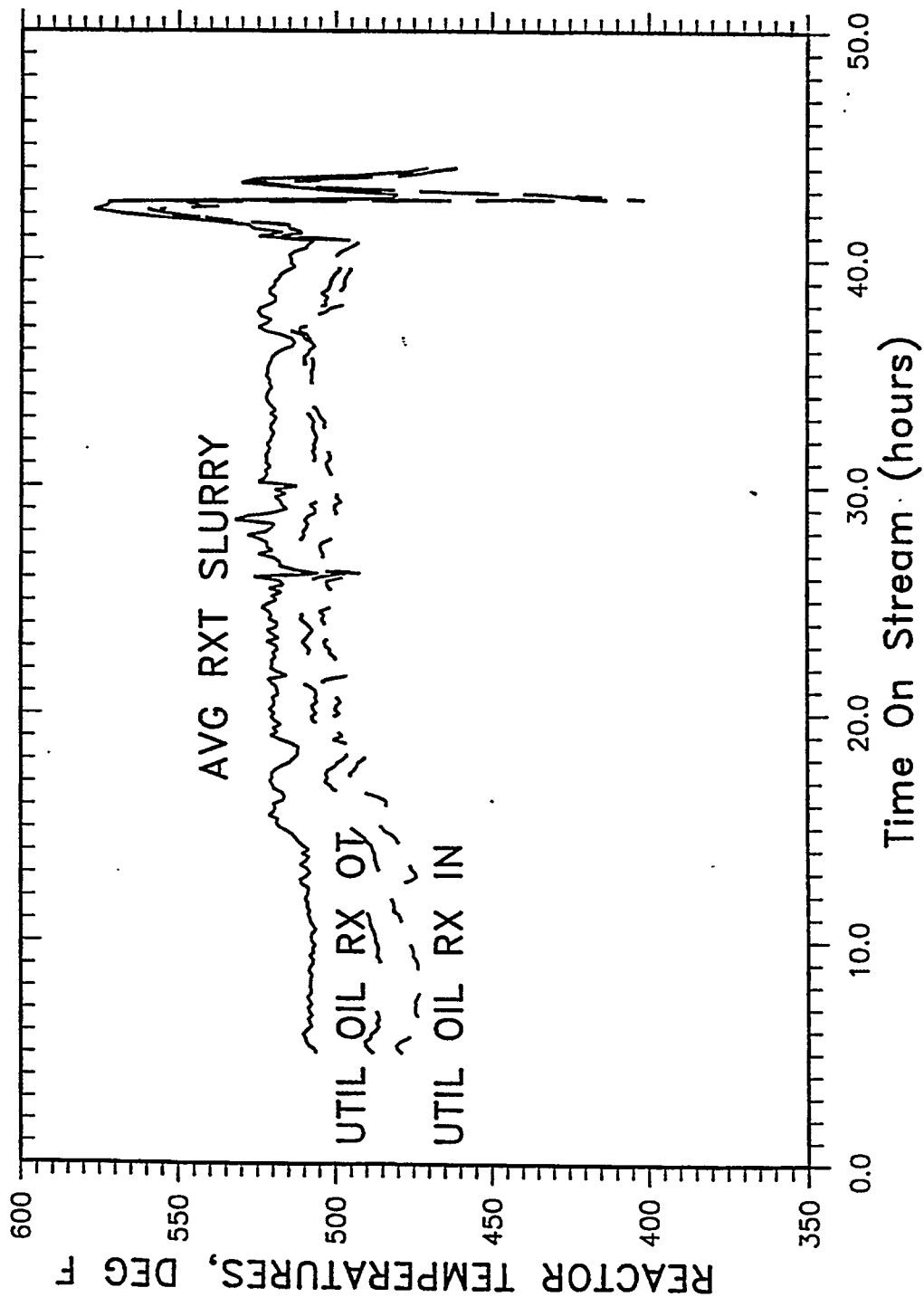


FIGURE 31

Fischer-Tropsch Synthesis (II) At LaPorte AFDU



LEGEND

AVG RXT SLURRY

UTIL OIL RX IN

UTIL OIL RX OT

FIGURE 32

Fischer-Tropsch IIA - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

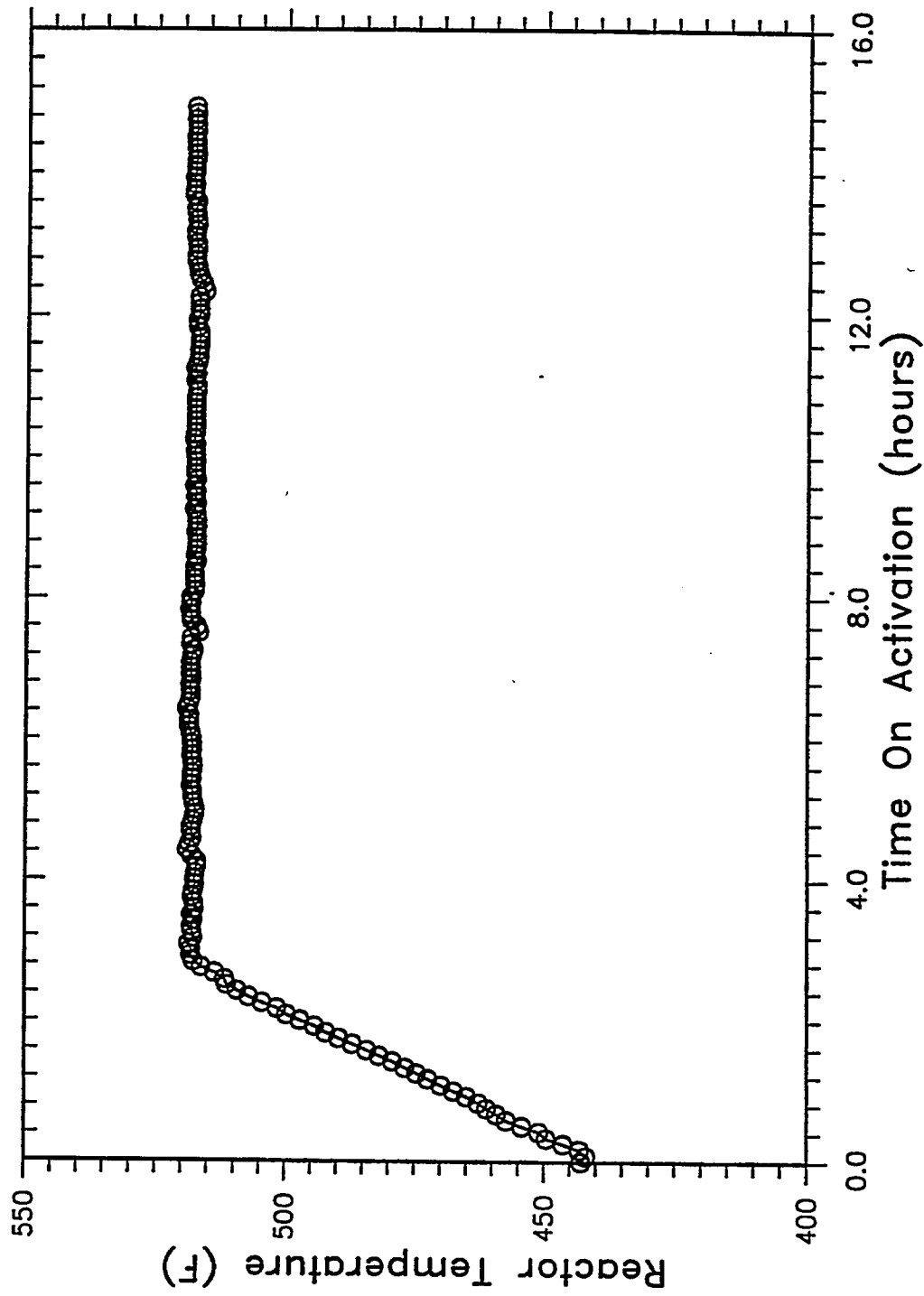


FIGURE 33

Fischer-Tropsch IIA - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

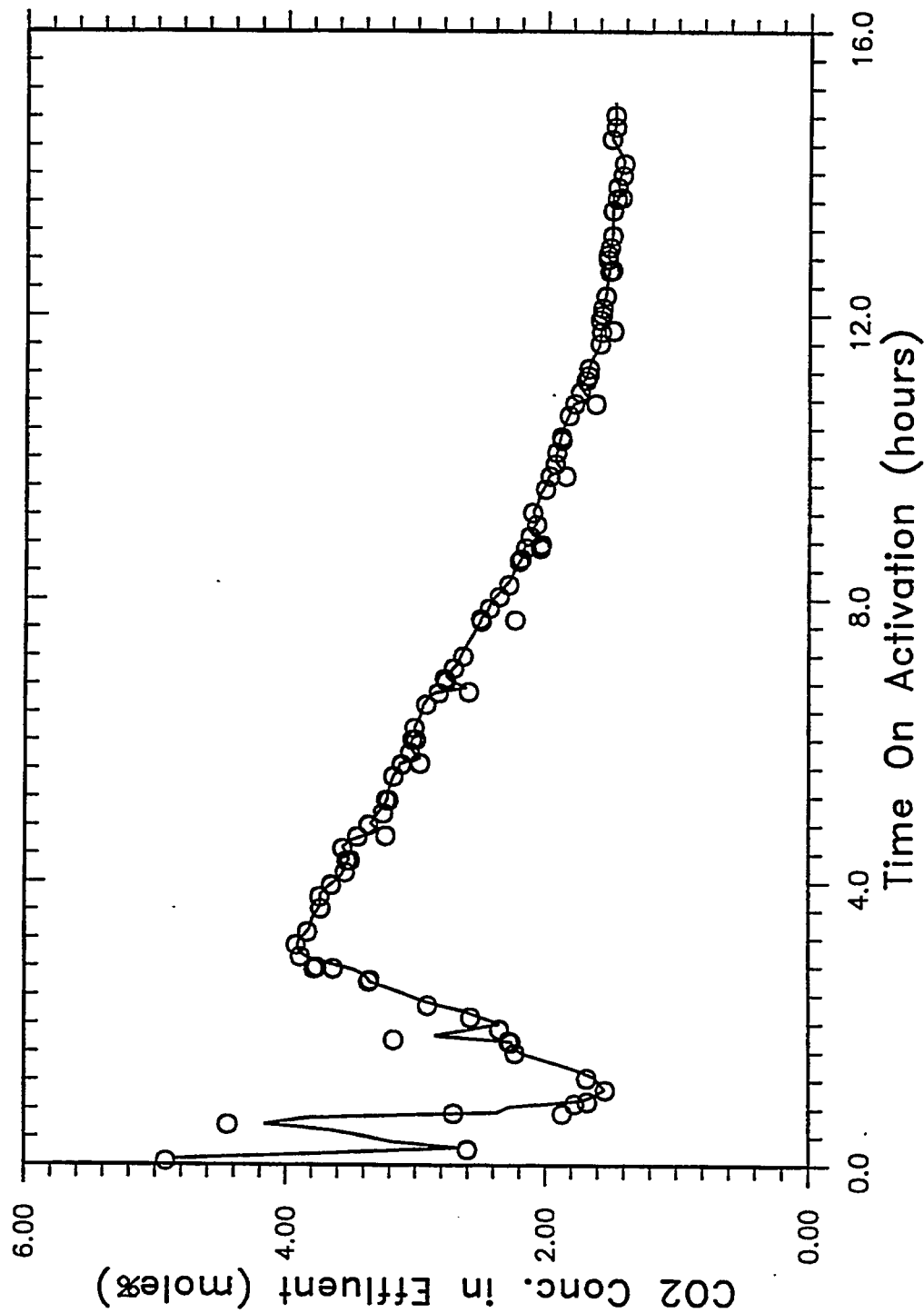


FIGURE 34

Fischer-Tropsch IIA - Activation in AFDU Bubble Column
(75% CO, 25% N₂ Feed @ 2000 sL/hr-kg-Fe)

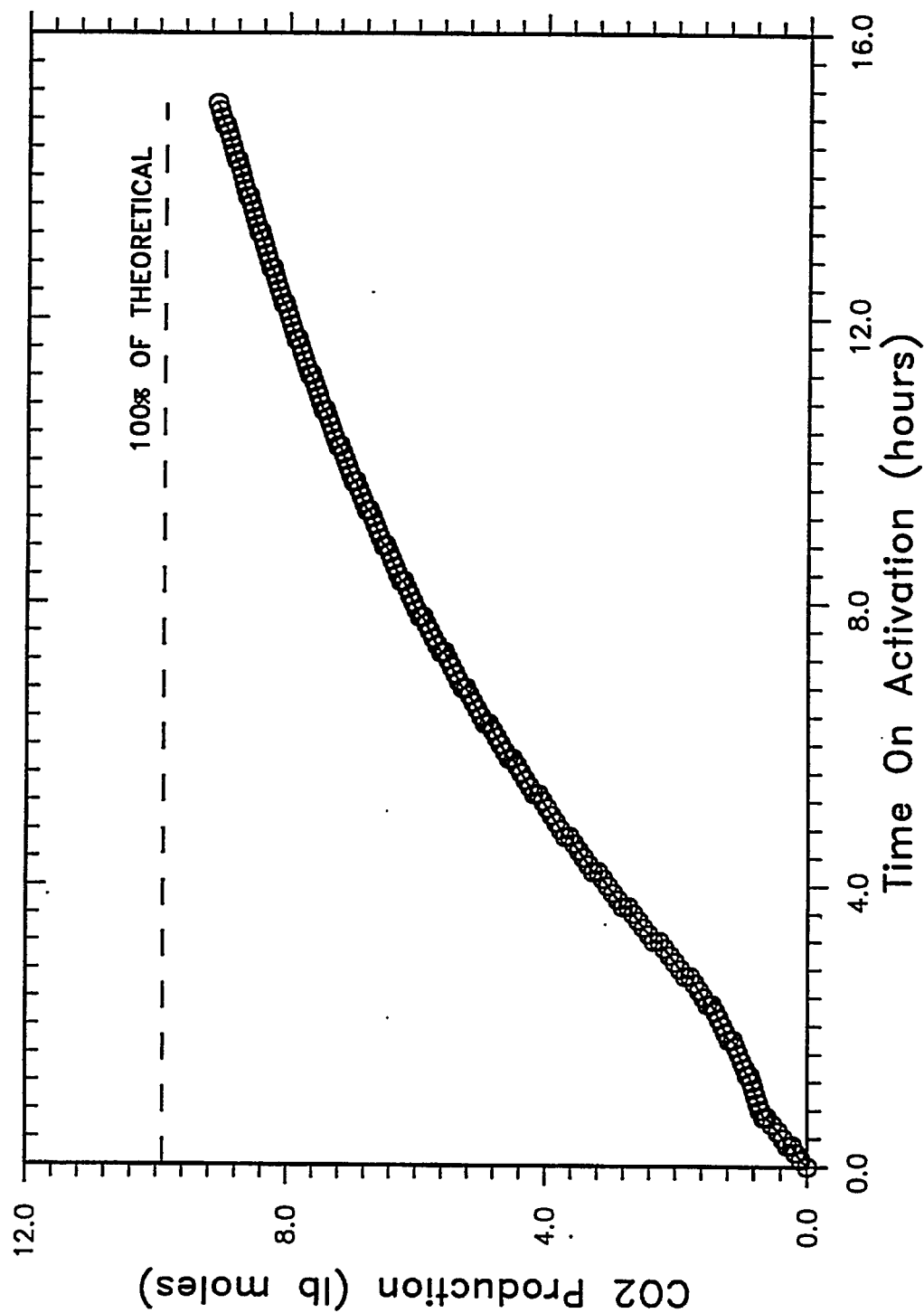


FIGURE 35 - ALPHA ESTIMATION - RUN NO. AF-R12.3F

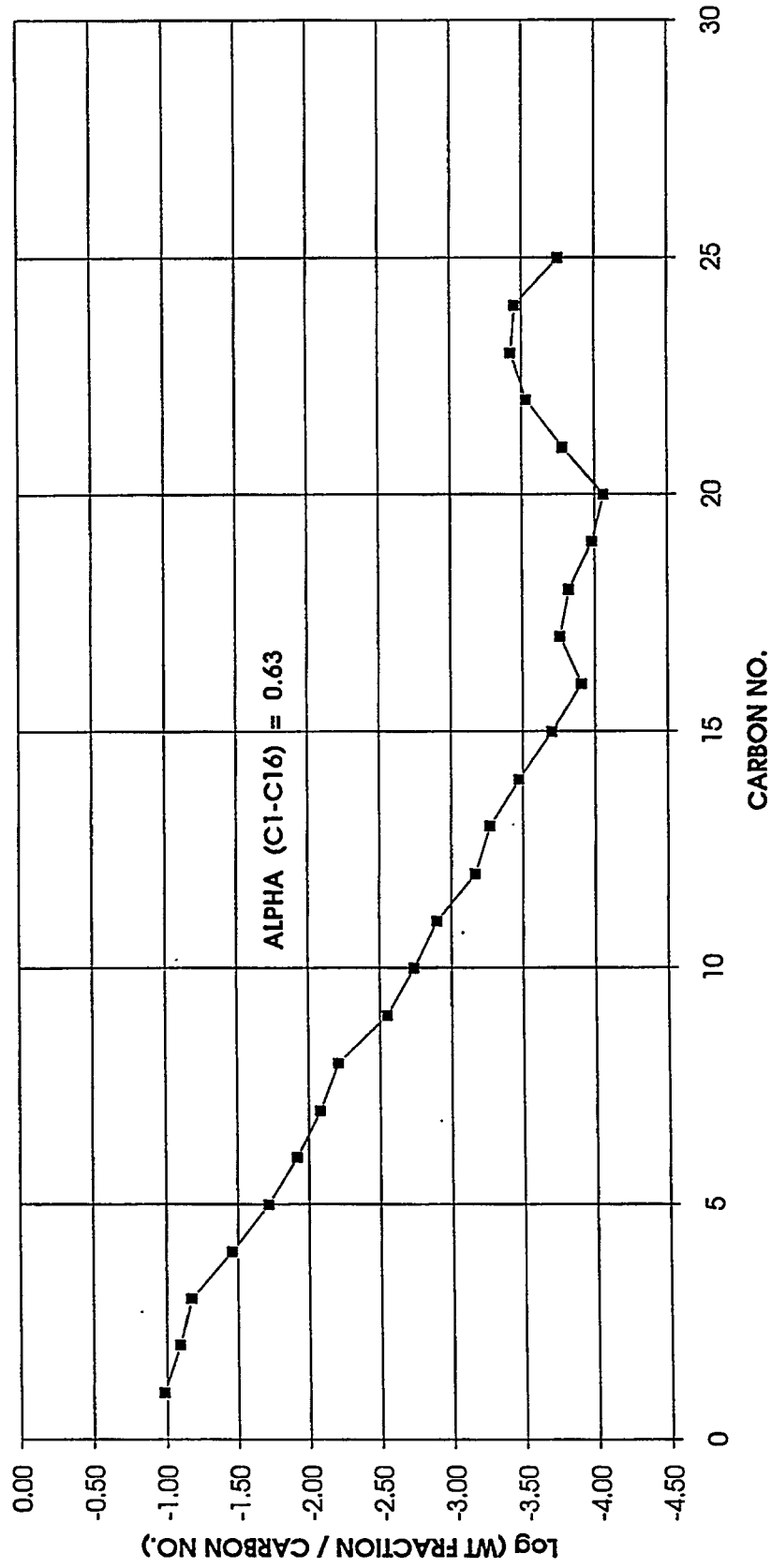


FIGURE 36

REACTOR TEMPERATURE PROFILE

RUN NO. AF-R12.2A (HIGH PRODUCTIVITY CONDITIONS)

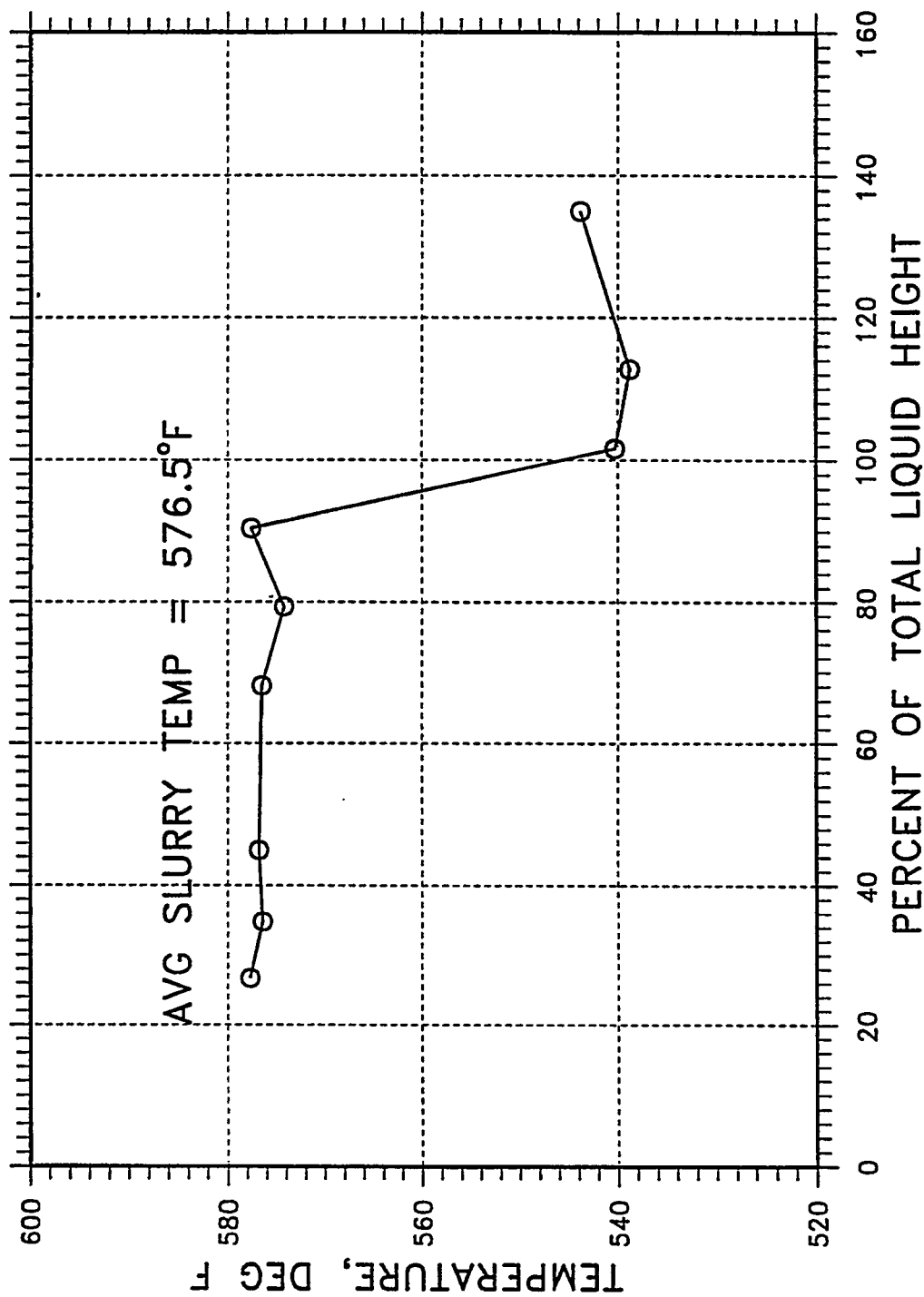
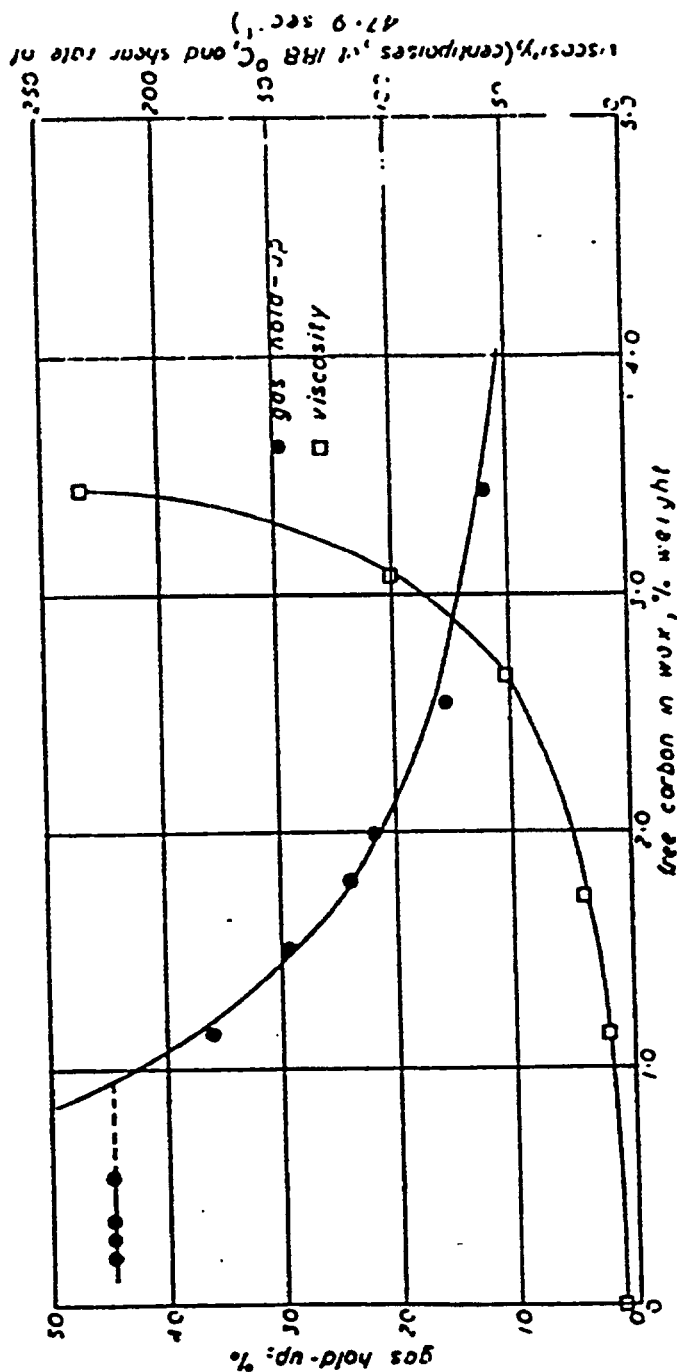


FIGURE 37



*

HSP4 RUN 14. EFFECT OF FREE CARBON IN SLURRY ON GAS HOLD-UP AND VISCOSITY.

* Ref: Farley, R. and Ray, D.J. "The Design and Operation of a Pilot-Scale Plant for Hydrocarbon Synthesis in the Slurry Phase" Journal of the Institute of Petroleum, Volume 50, Number 482, February 1964.