

Figure 69

**EXPERIMENTAL IRON CATALYST IN RUN 51**

**H<sub>2</sub> TO CO USAGE RATIO**

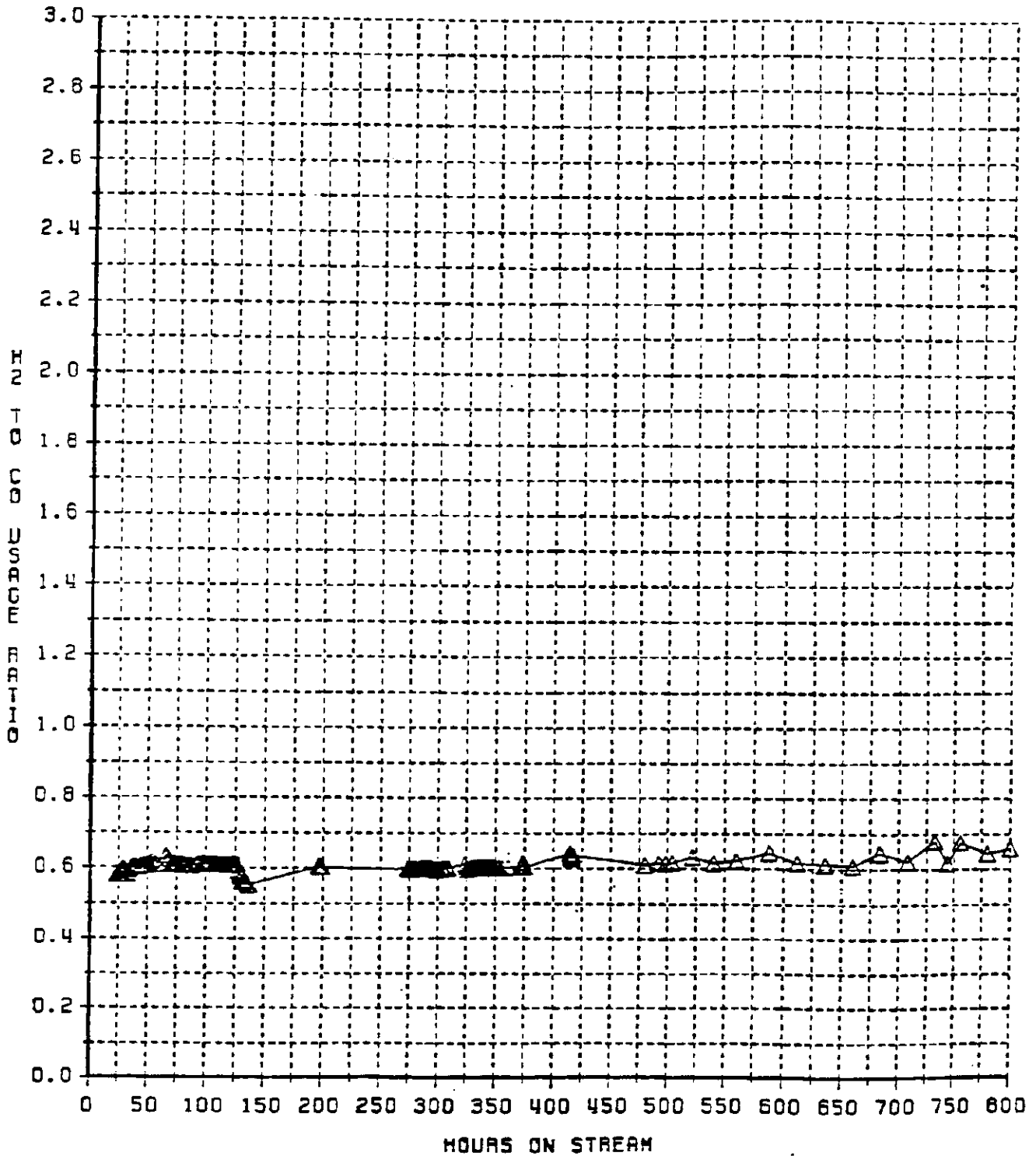


Figure 70

EXPERIMENTAL IRON CATALYST IN RUN 51

CO<sub>2</sub> SELECTIVITY

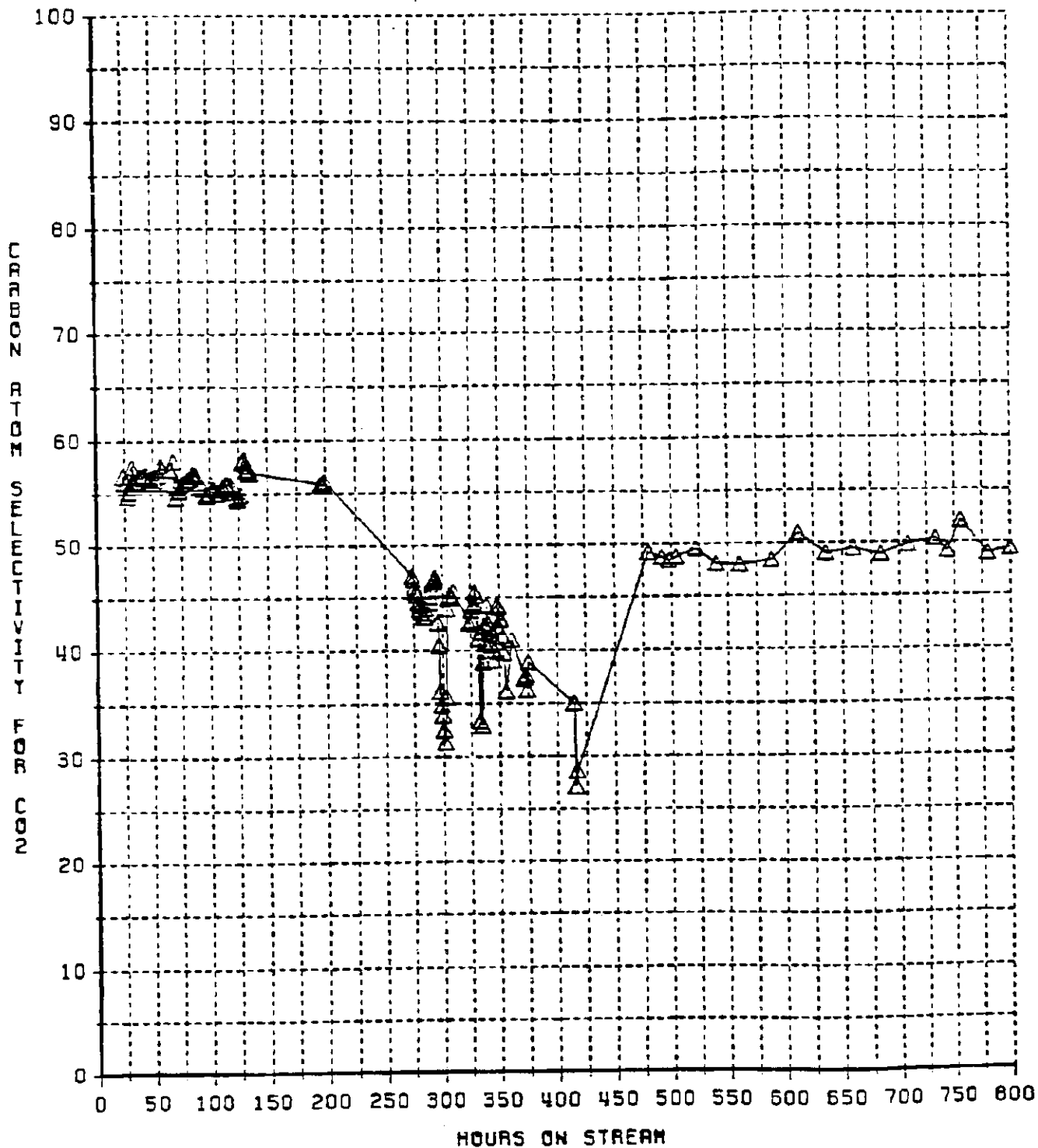


Figure 71

**EXPERIMENTAL IRON CATALYST IN RUN 51**

**C<sub>1</sub> AND C<sub>2</sub> SELECTIVITIES**

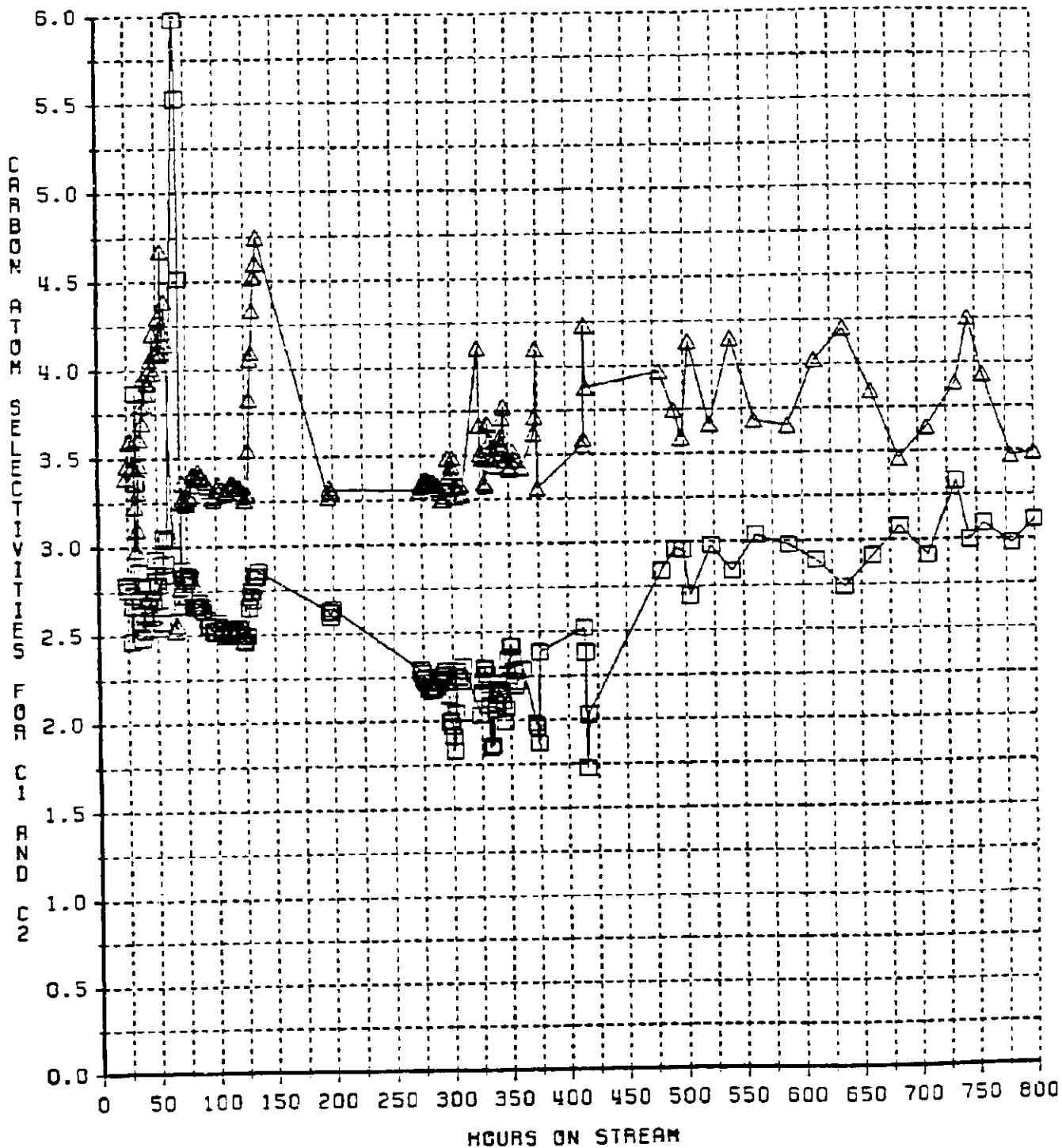


Figure 72  
EXPERIMENTAL IRON CATALYST IN RUN 51  
ETHYLENE TO ETHANE RATIOS

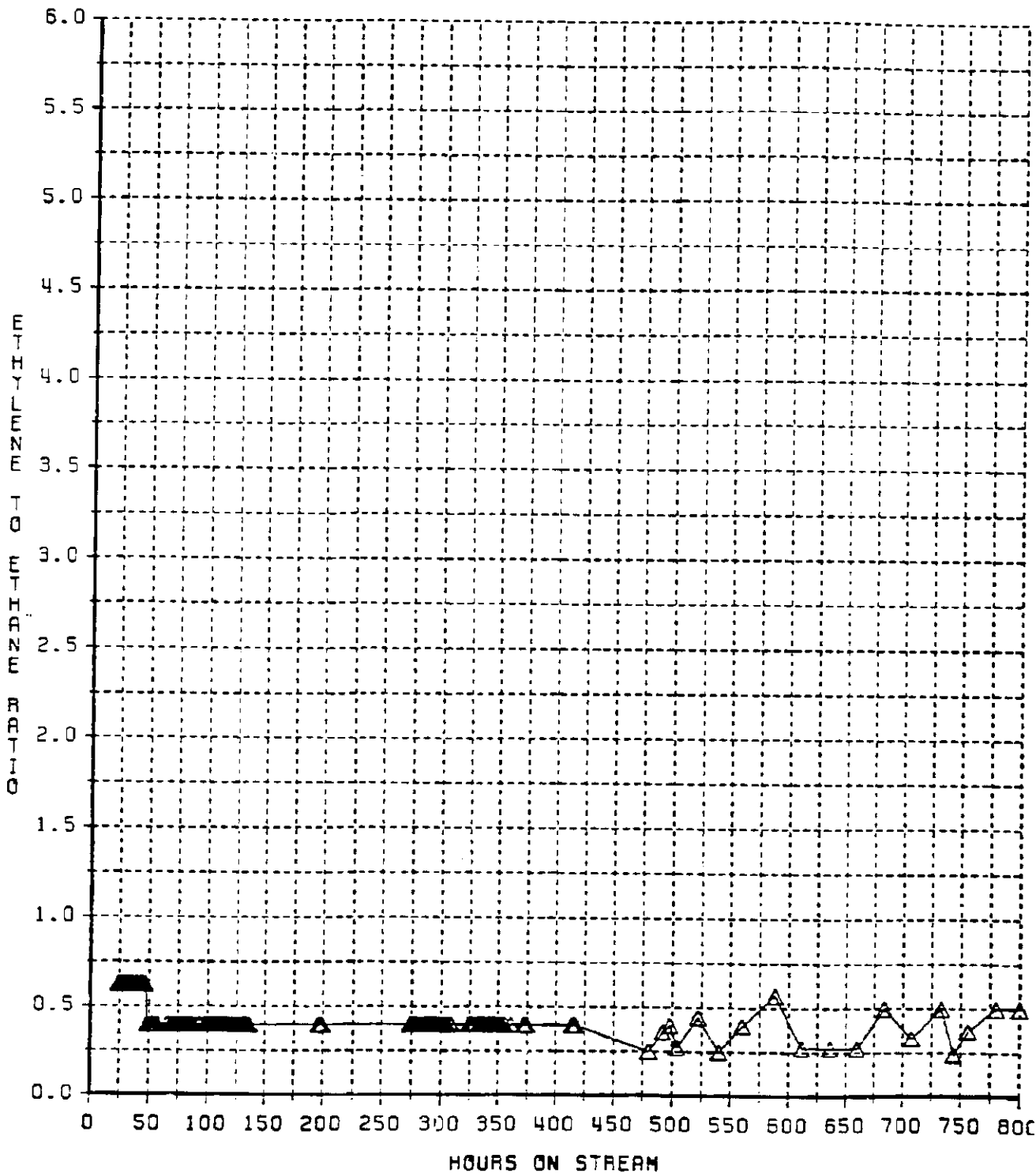


Figure 73

**EXPERIMENTAL IRON CATALYST  
ANDERSON-SCHULZ-FLORY DISTRIBUTION**

RUN 51

**T<sub>IN</sub> = 244°C, 13 ATM, 0.7 H<sub>2</sub>: CO FEED**

HYDROCARBONS ONLY - OIL ANALYZED BY GPC ONLY

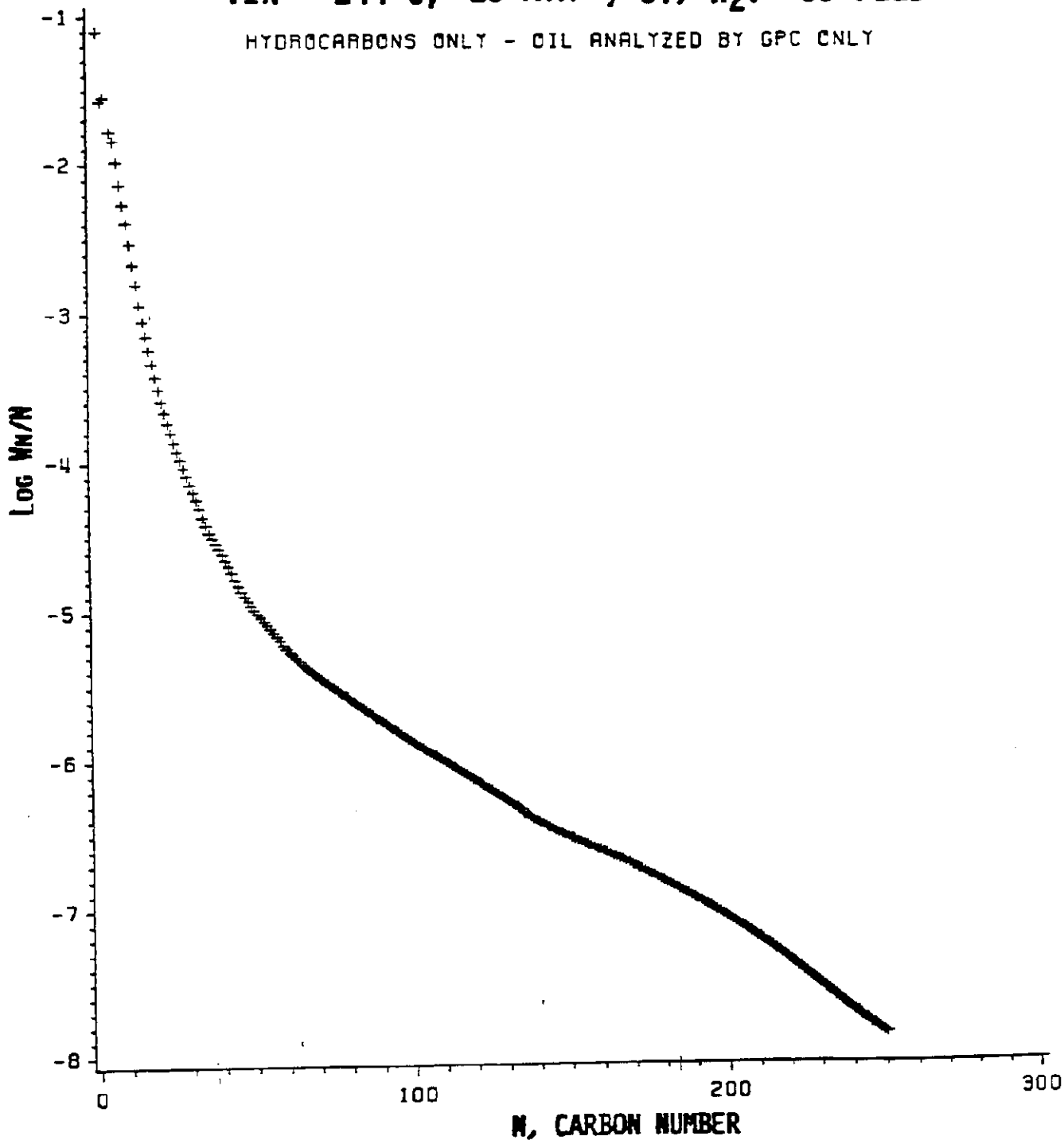


Figure 74

**EXPERIMENTAL IRON CATALYST  
ANDERSON-SCHULZ-FLORY DISTRIBUTION**

RUN 51

**$T_{IN} = 244^{\circ}C$ , 13 ATM, 0.7 H<sub>2</sub>: CO FEED**

HYDROCARBONS ONLY - OIL ANALYZED BY GPC ONLY

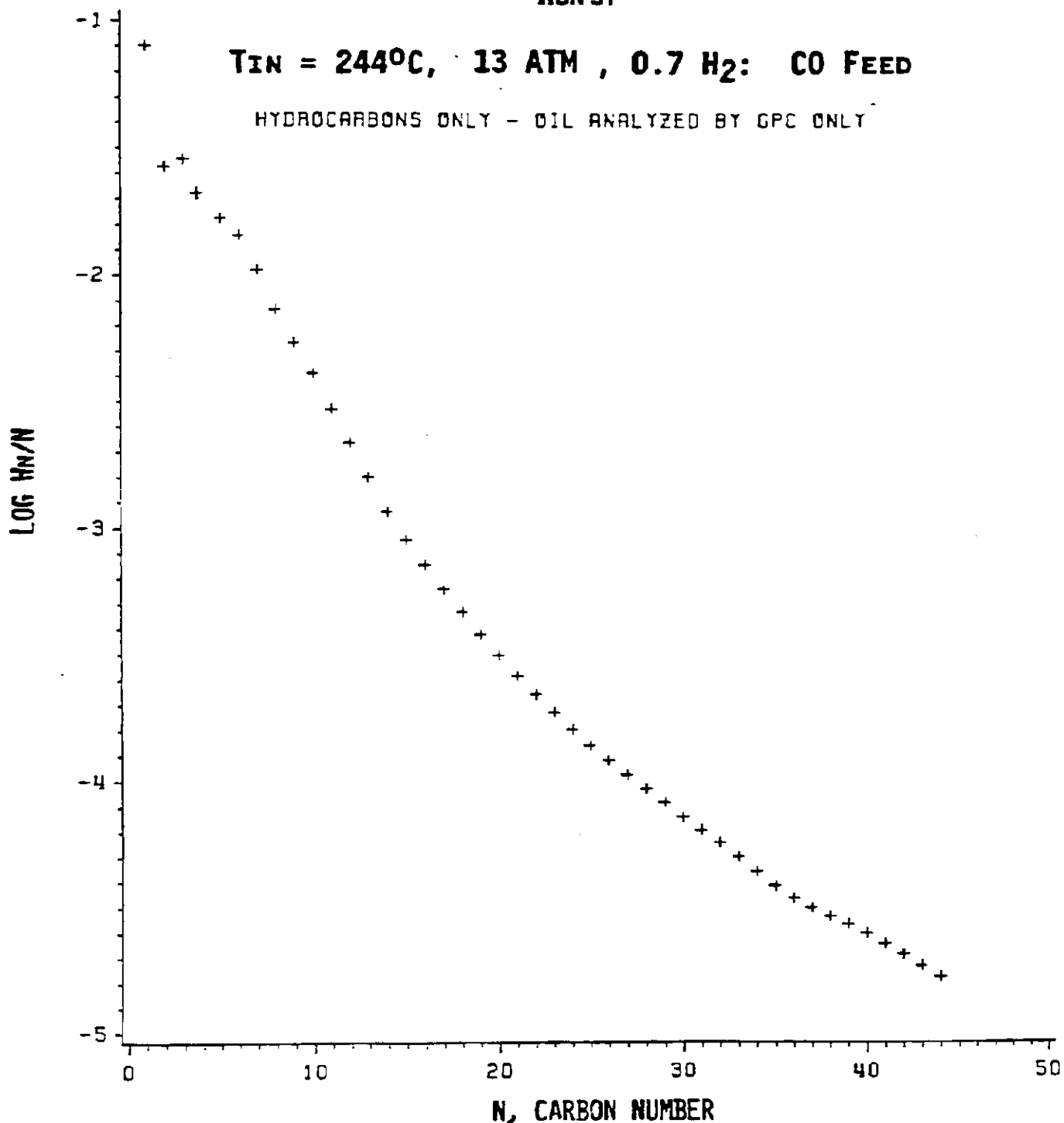


Figure 75  
**SLURRY PILOT PLANT SHAKE-DOWN**  
CO PLUS H<sub>2</sub> CONVERSION

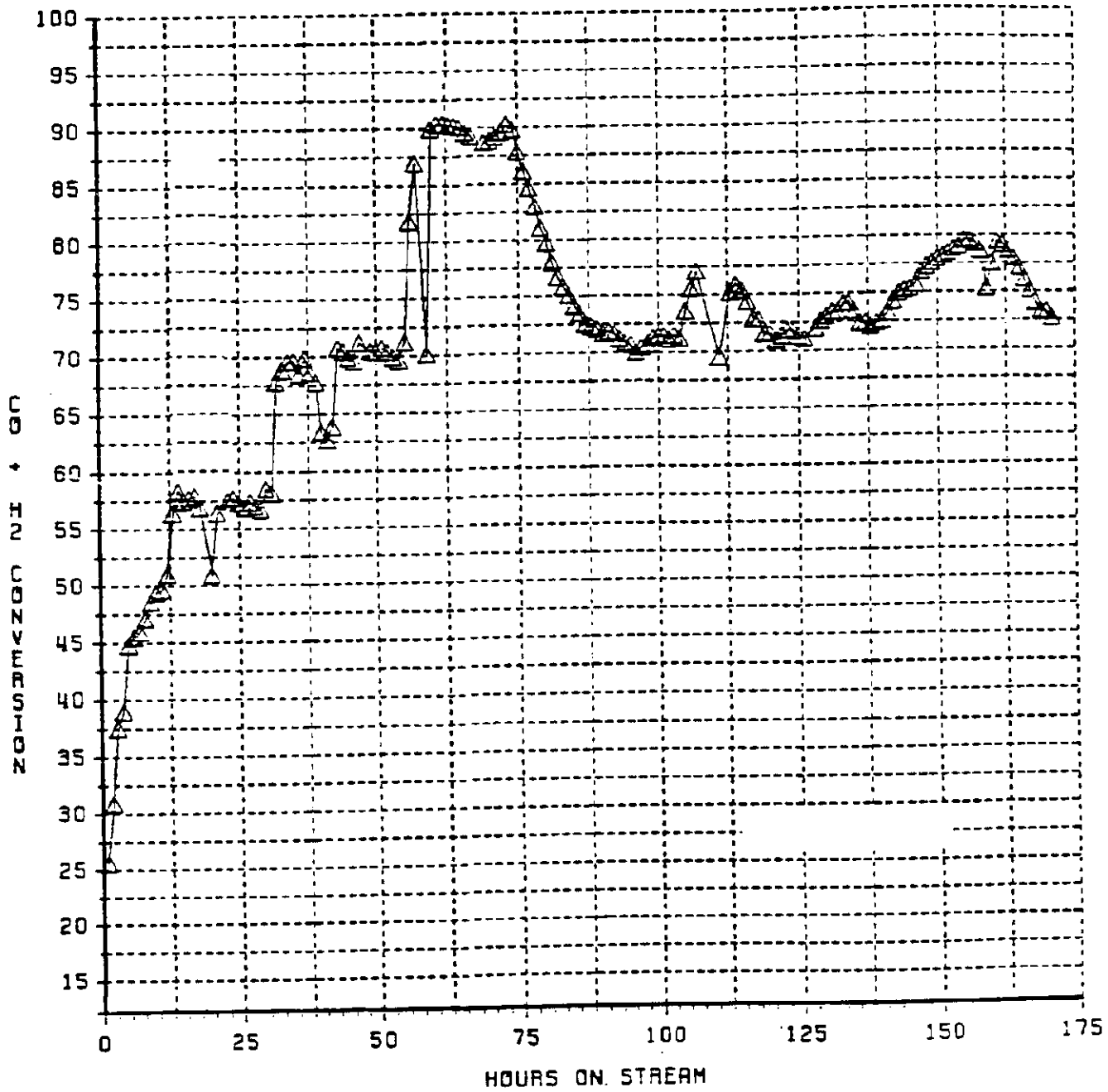


Figure 76

**SLURRY PILOT PLANT SHAKE-DOWN**

**CO CONVERSION**

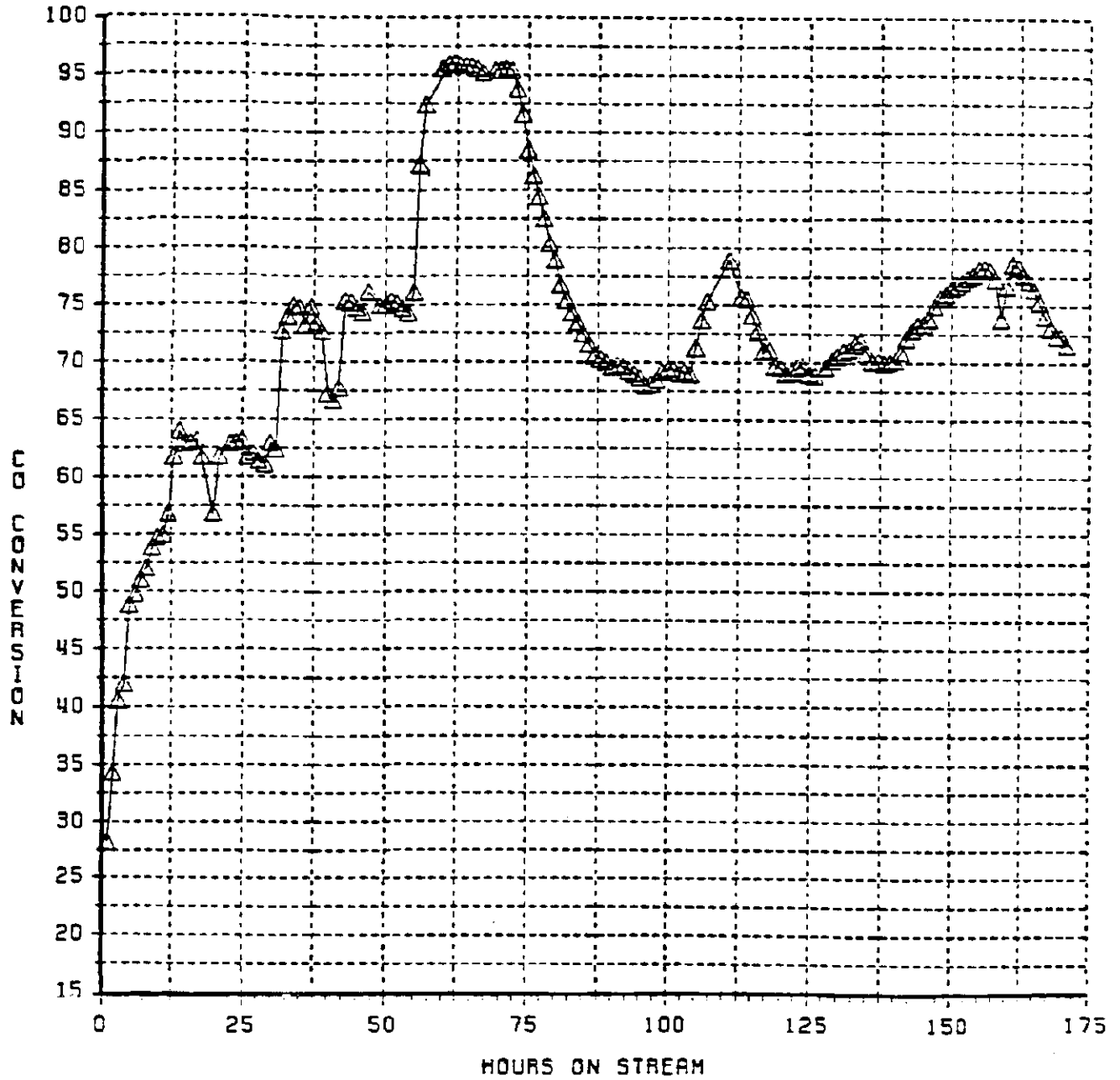




Figure 77

**SLURRY PILOT PLANT SHAKE-DOWN**

H<sub>2</sub> CONVERSION

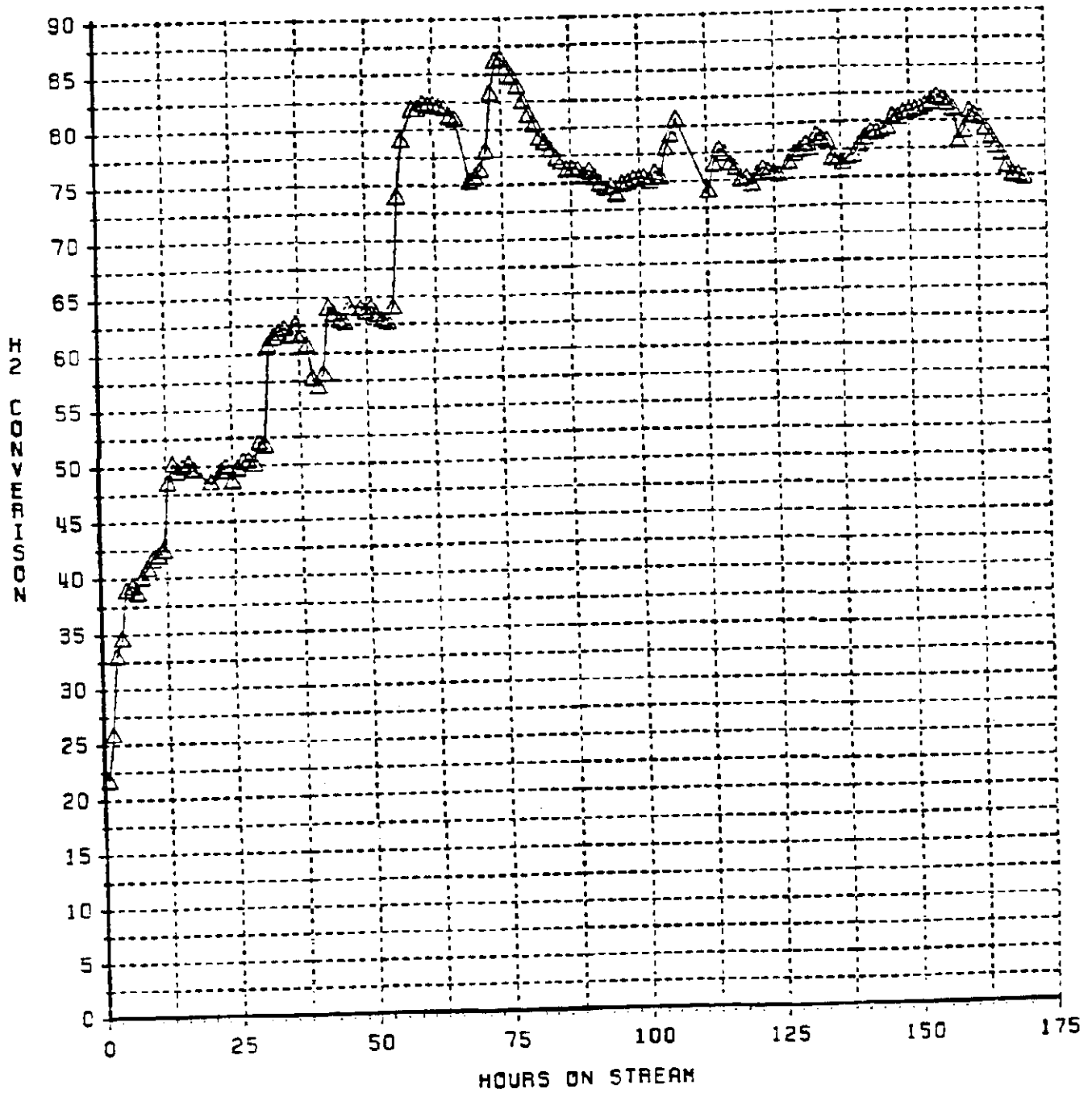


Figure 78

SLURRY PILOT PLANT SHAKE-DOWN

CO<sub>2</sub> SELECTIVITY

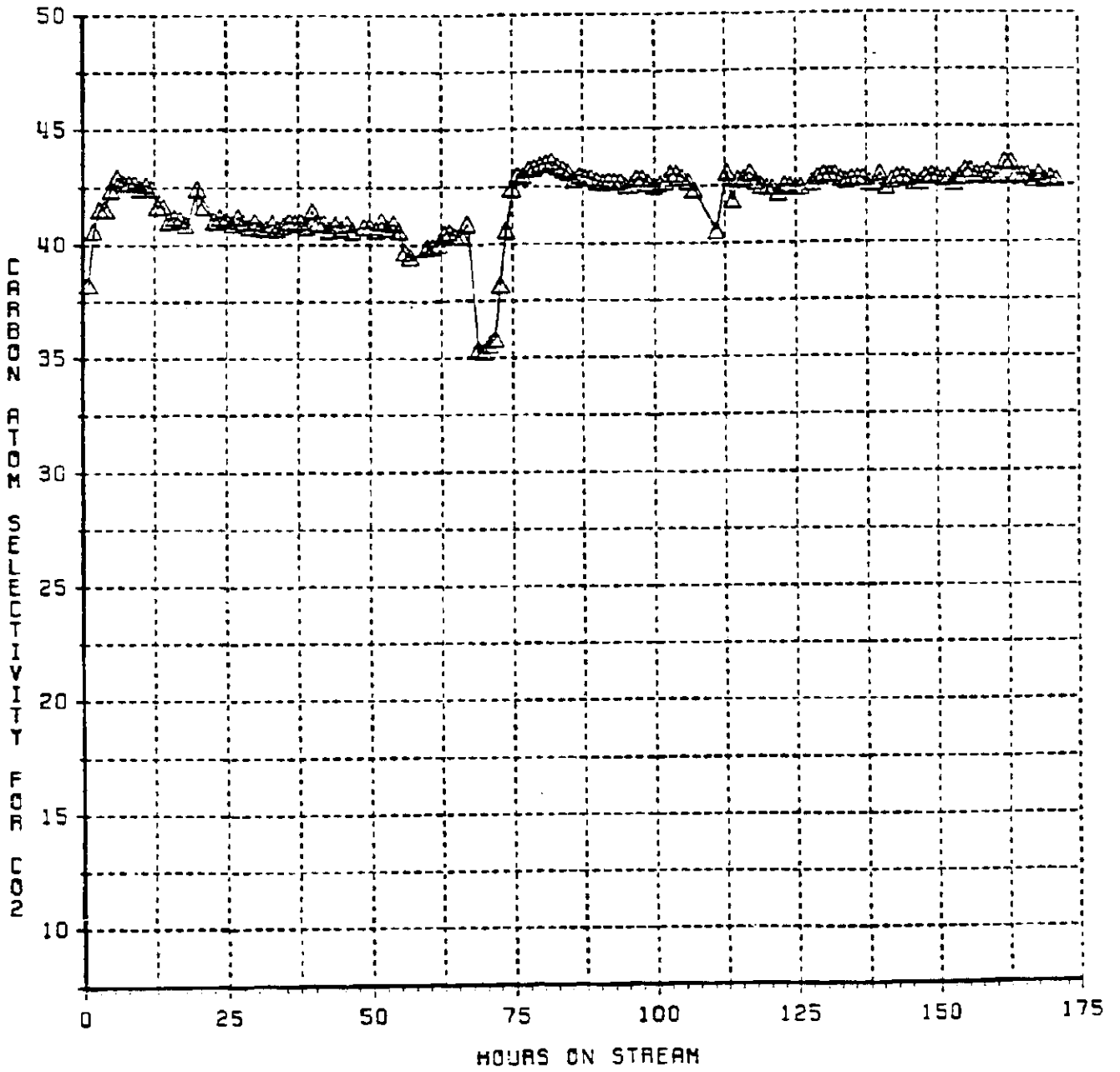


Figure 79

**SLURRY PILOT PLANT SHAKE-DOWN**

METHANE SELECTIVITY

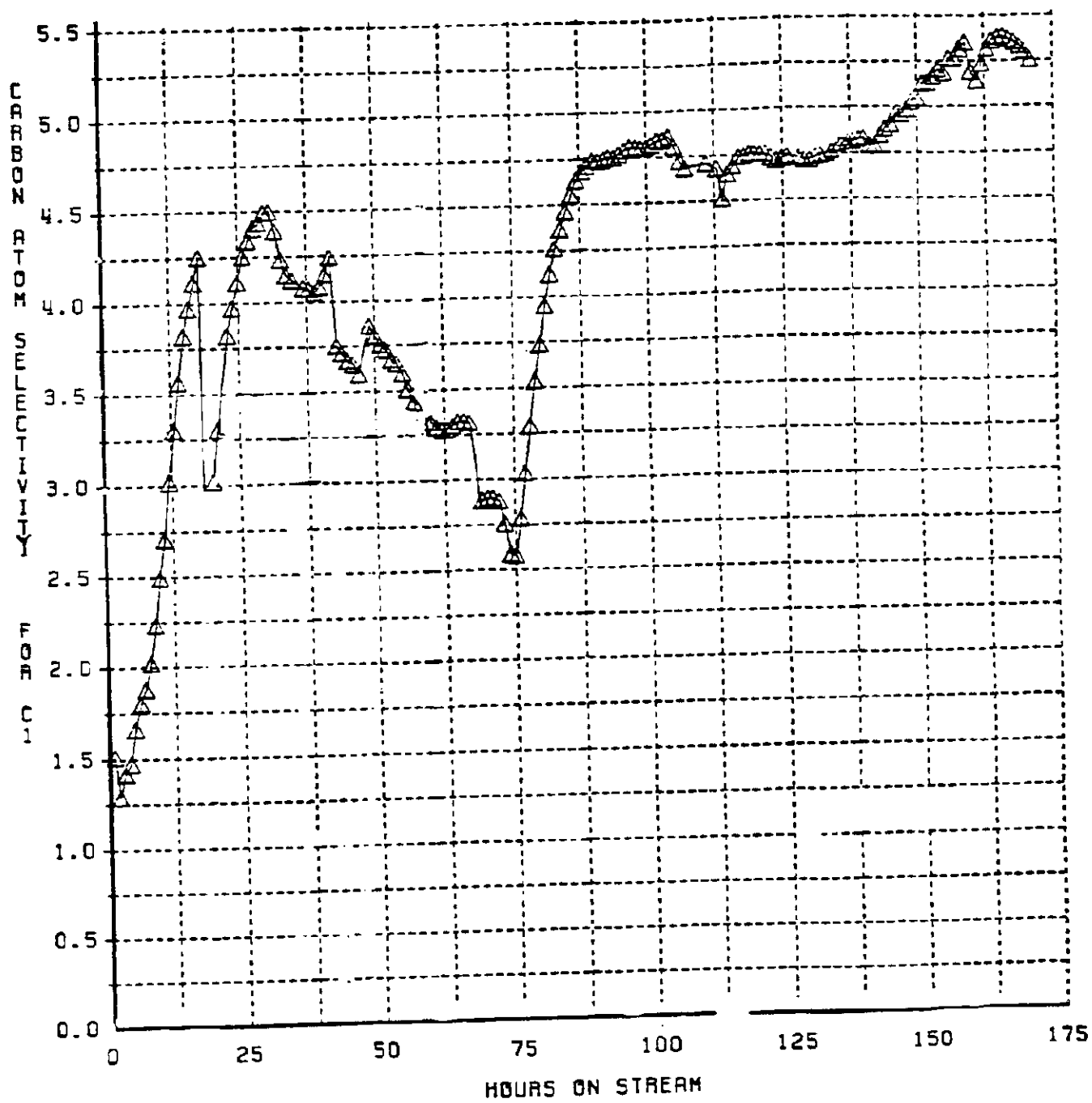


Figure 80

TEMPERATURE SURVEYS IN THE AUTOCLAVE IN RUN 5

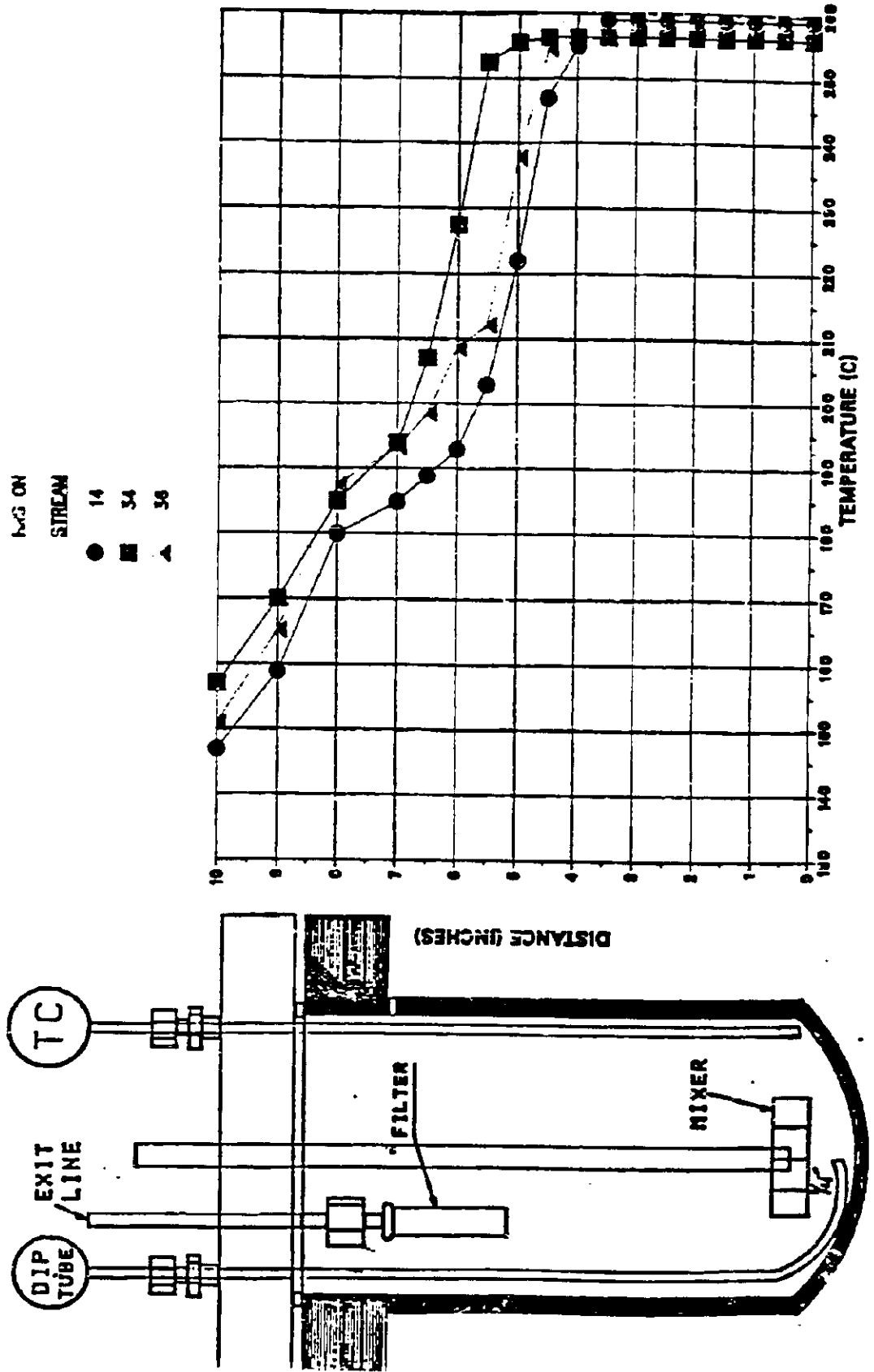


Figure 81

EVALUATION OF PRECIPITATED IRON CATALYST 5709-119 IN SLURRY REACTOR - RUN 5

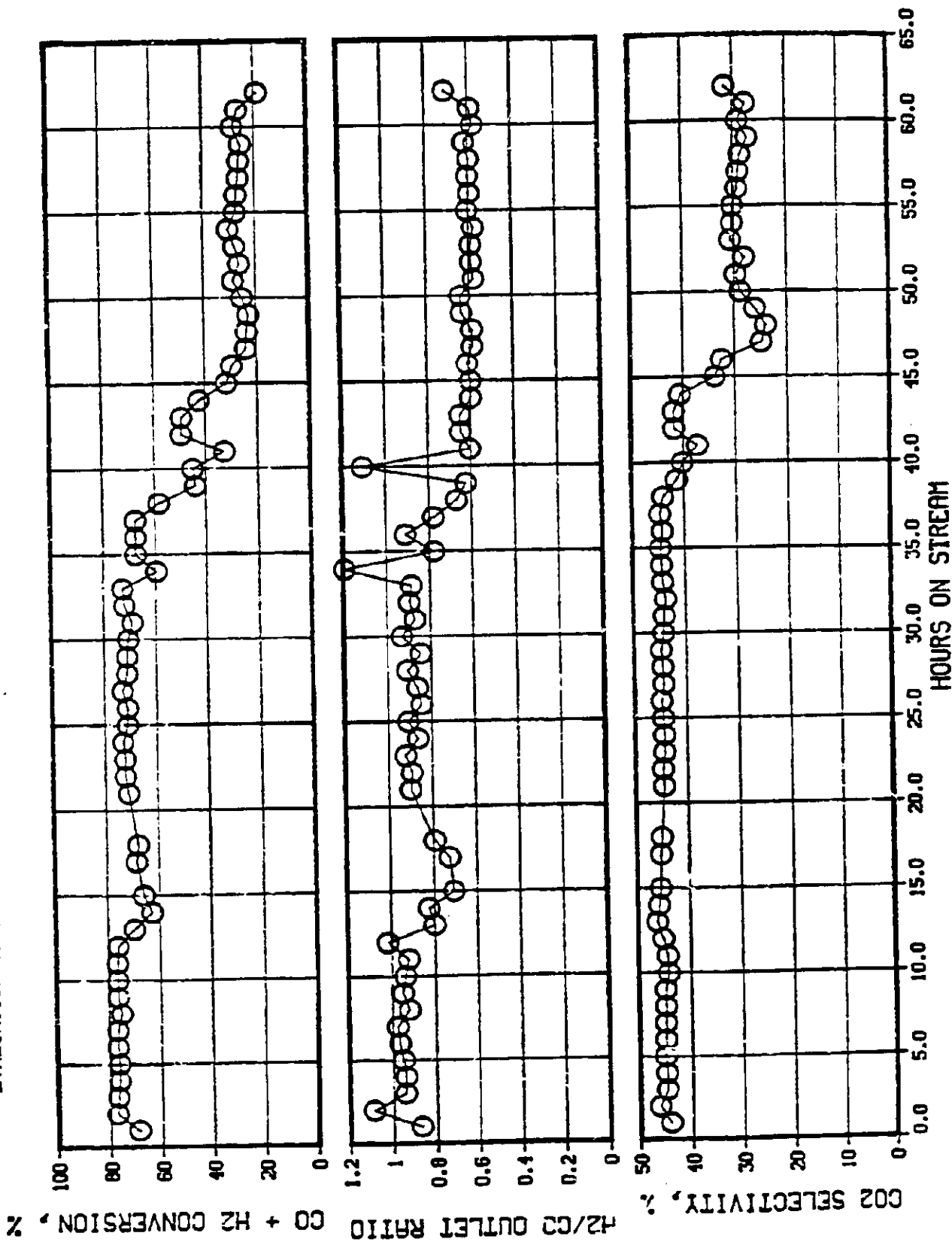


Figure 82

EVALUATION OF PRECIPITATED IRON CATALYST 5709-119 IN SLURRY REACTOR - RUN 5

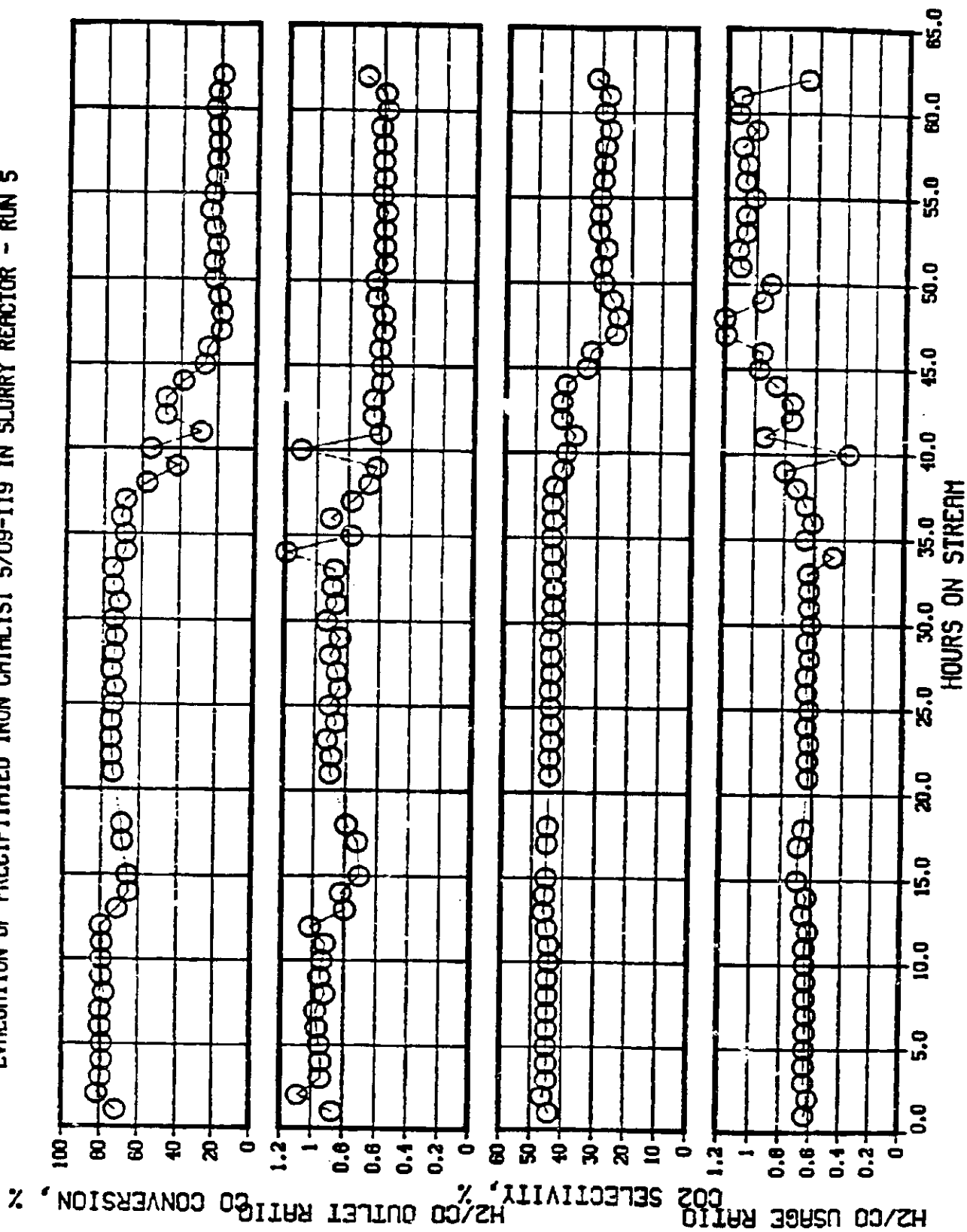


Figure 83

EVALUATION OF PRECIPITATED IRON CATALYST 5709-119 IN SLURRY REACTOR - RUN 5

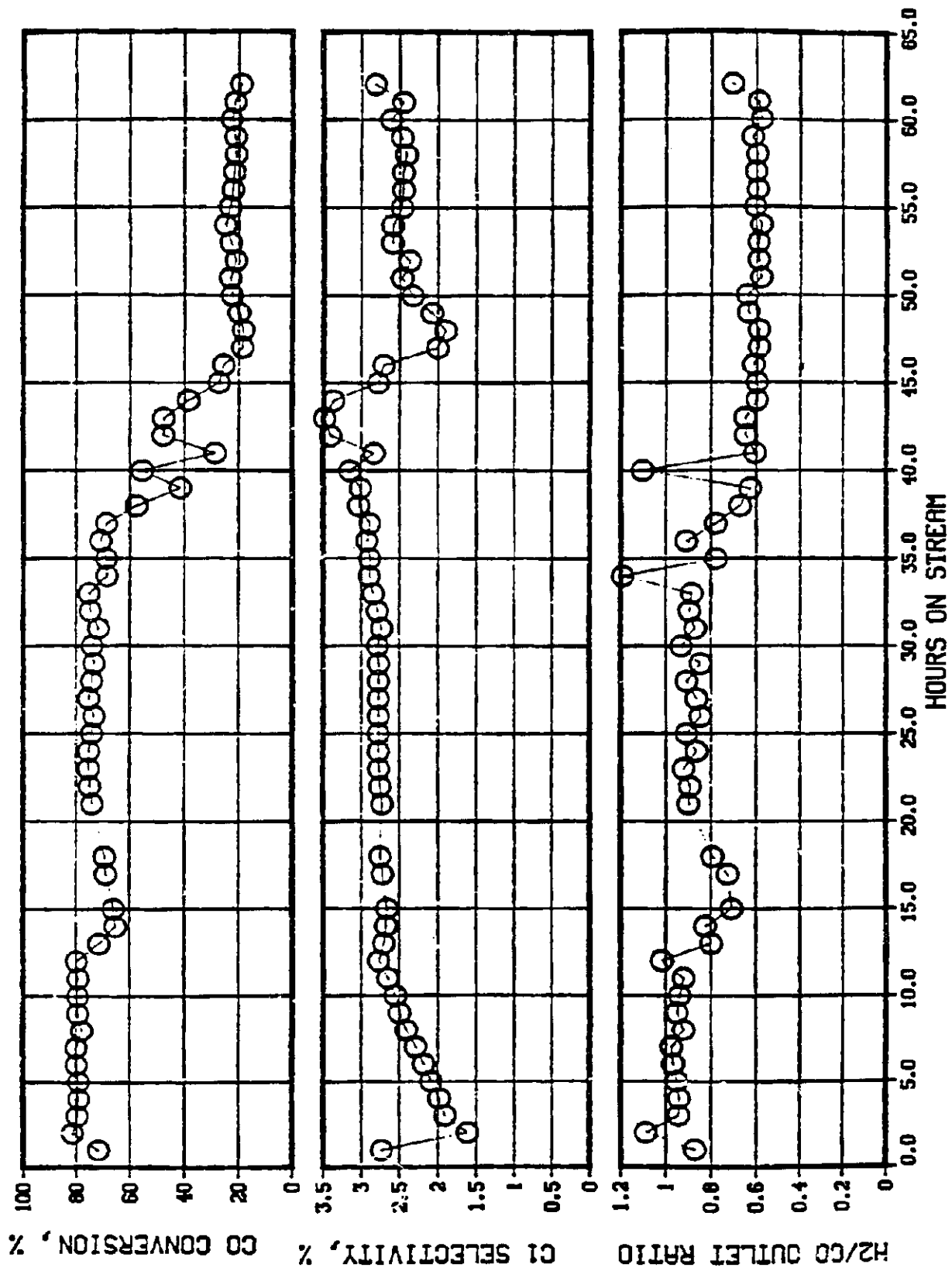


Figure 84

EVALUATION OF PRECIPITATED IRON CATALYST 5709-119 IN SLURRY REACTOR - RUN 5

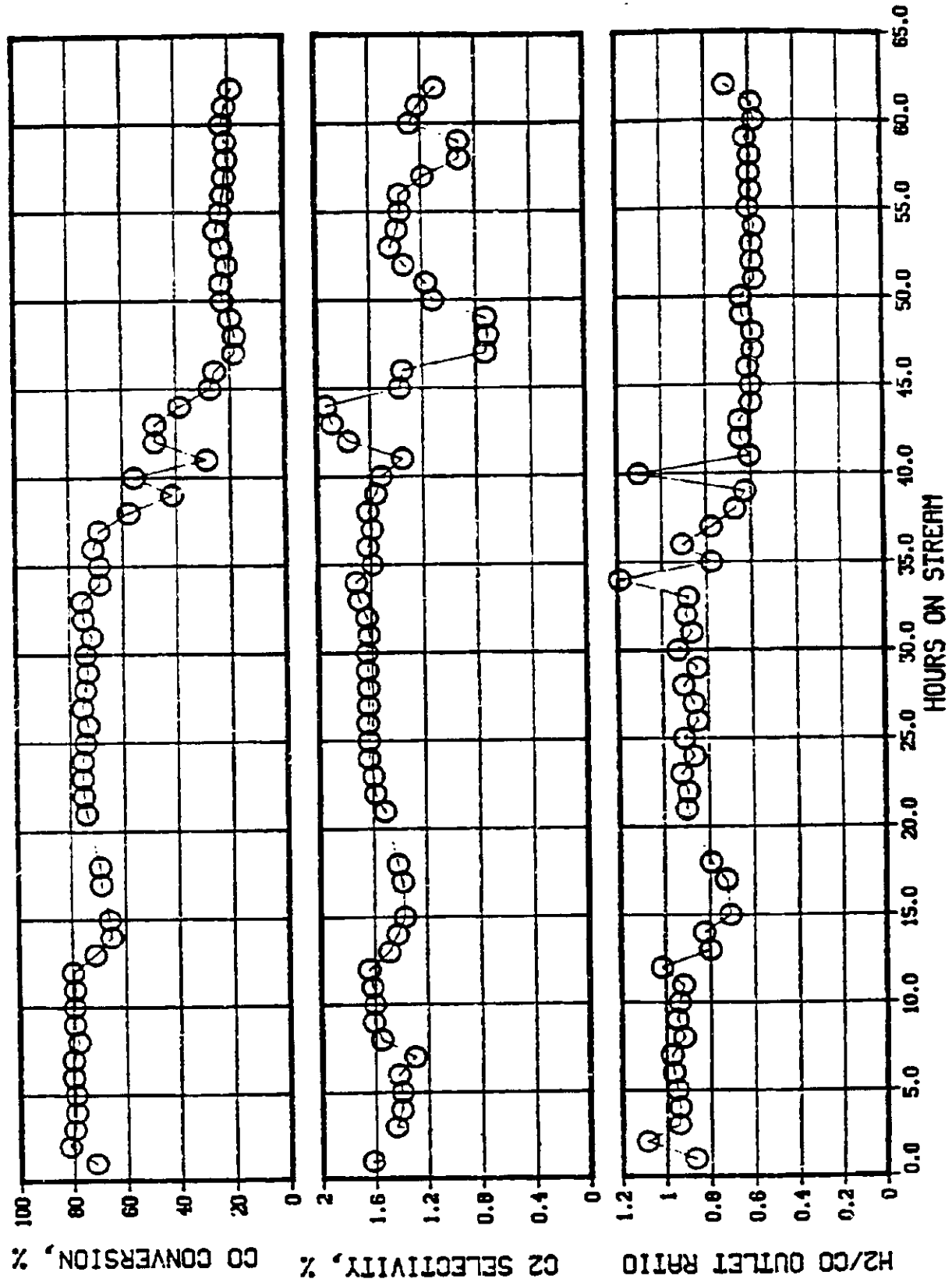




Figure 85

EVALUATION OF PRECIPITATED IRON CATALYST 5709-119 IN SLURRY REACTOR - RUN 5

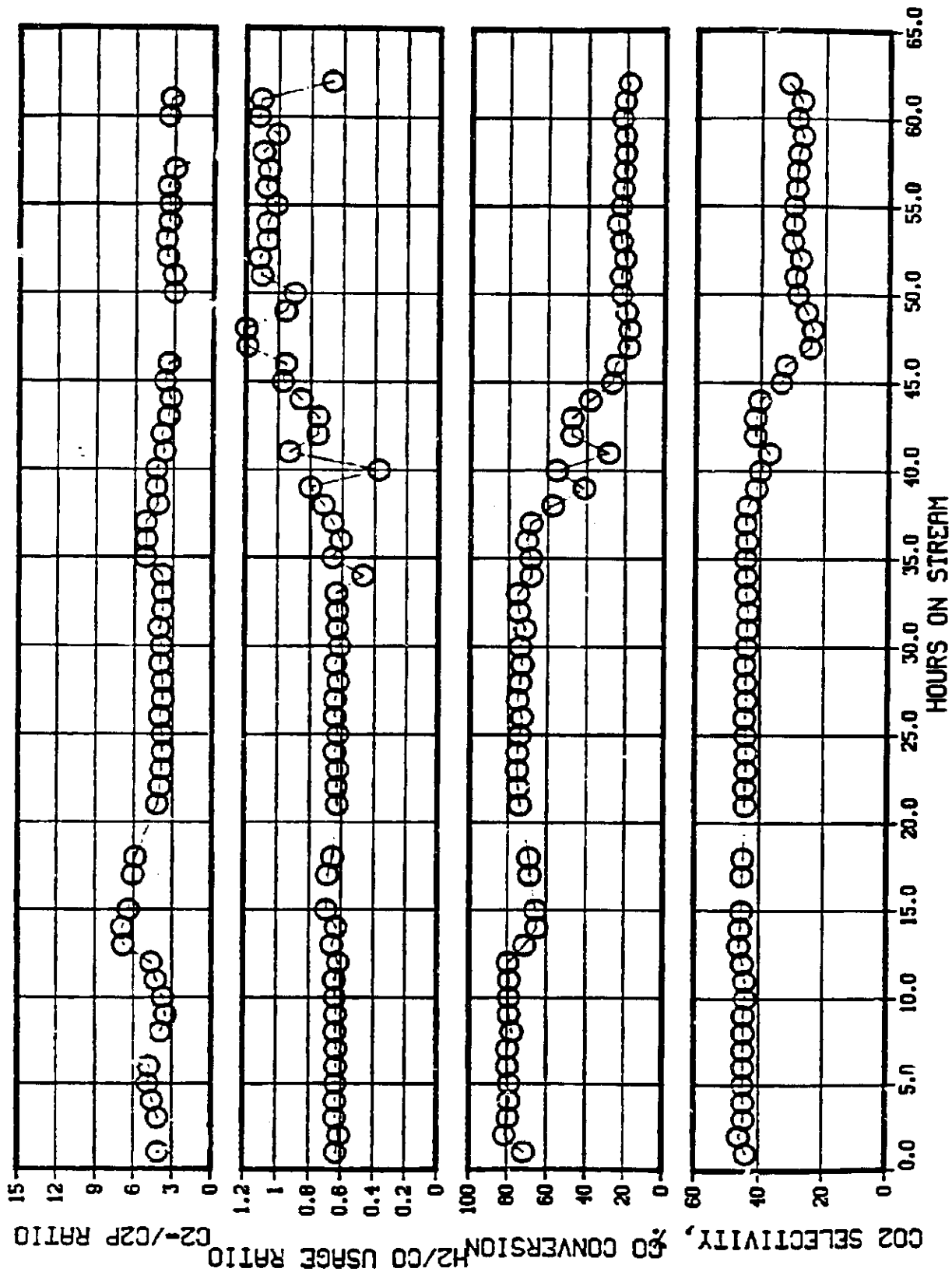


Figure 86

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 700B RUN 6

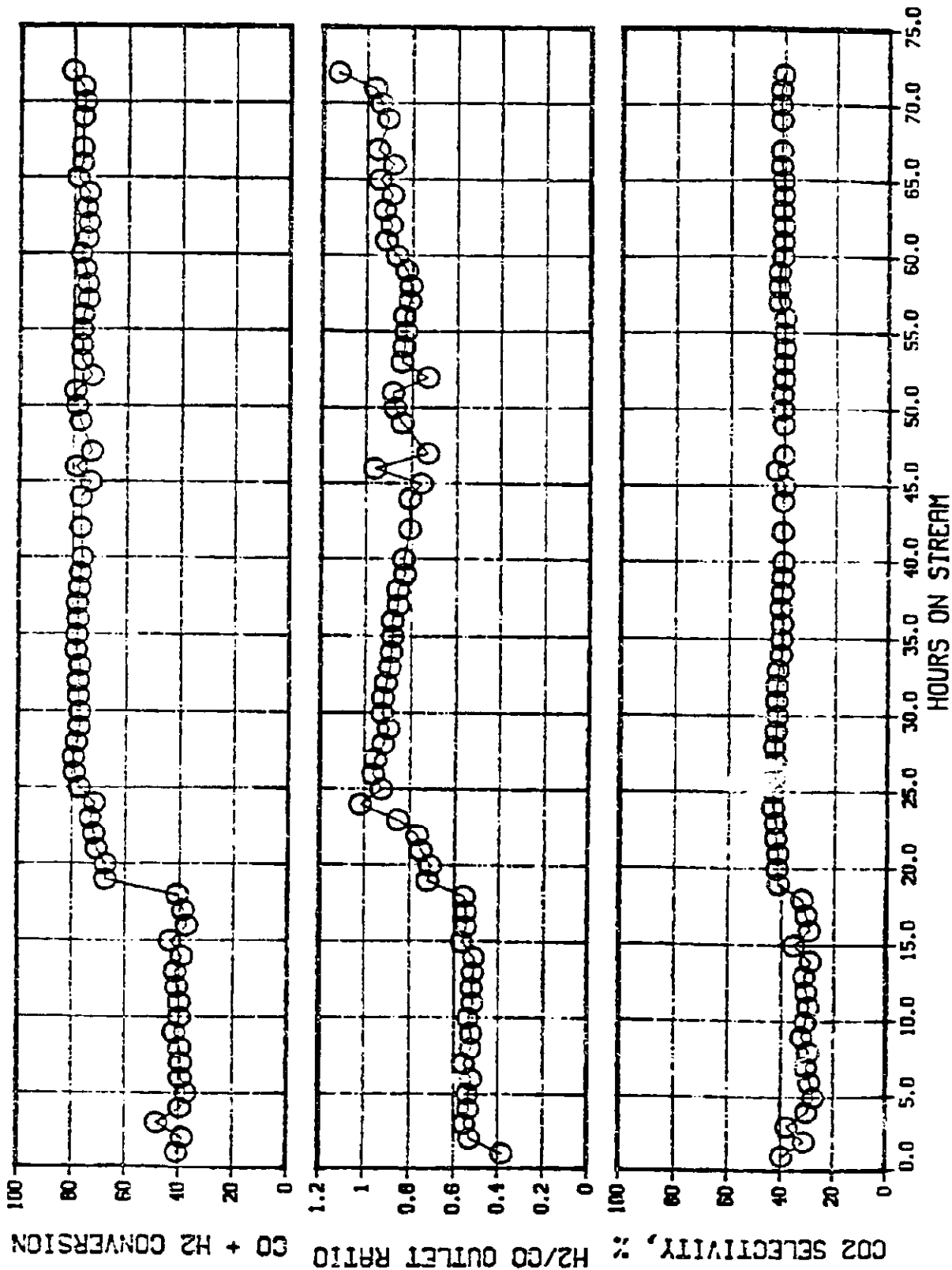


Figure 87

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 7008 RUN 6

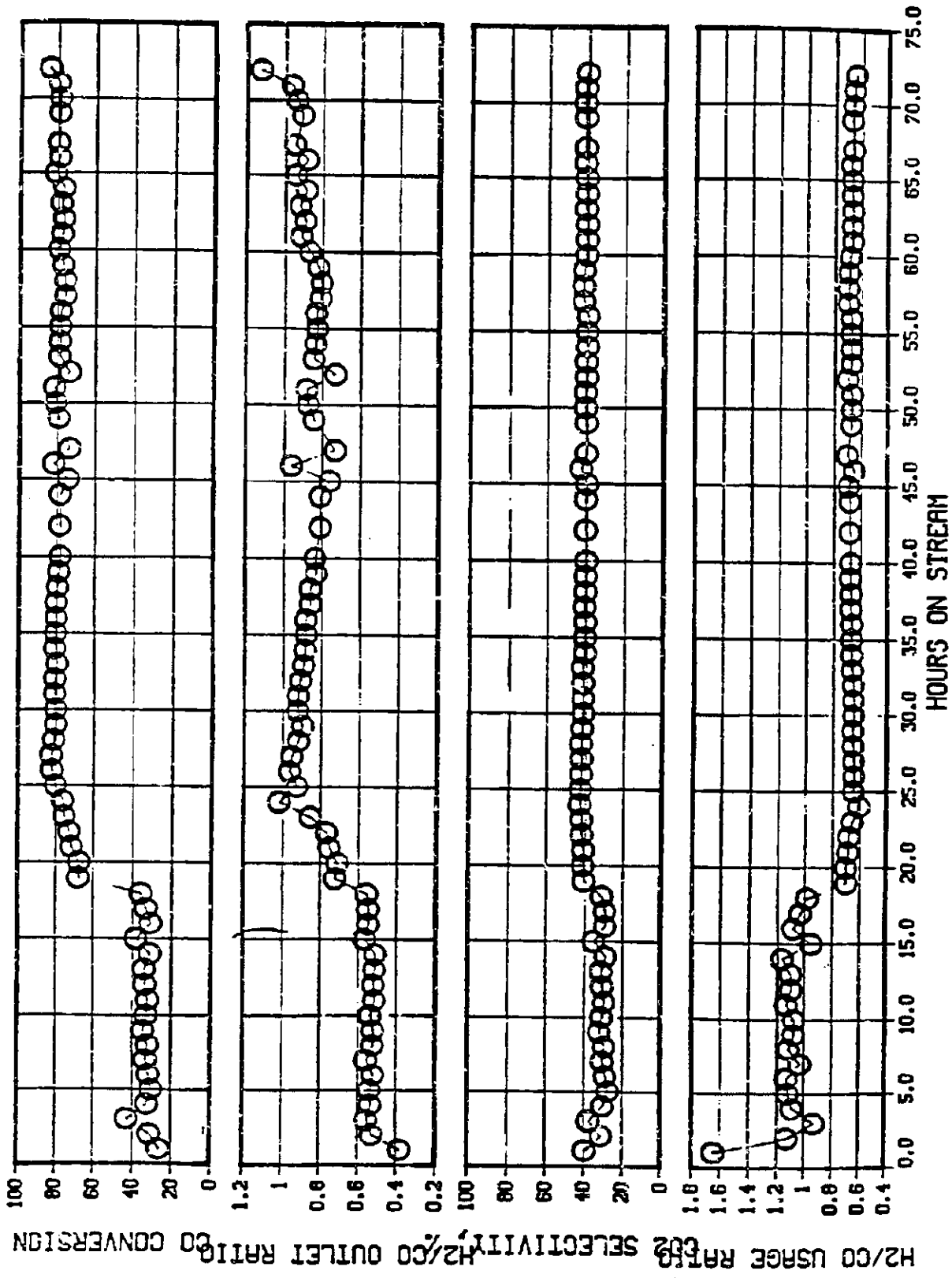


Figure 88

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 7008 RUN 6

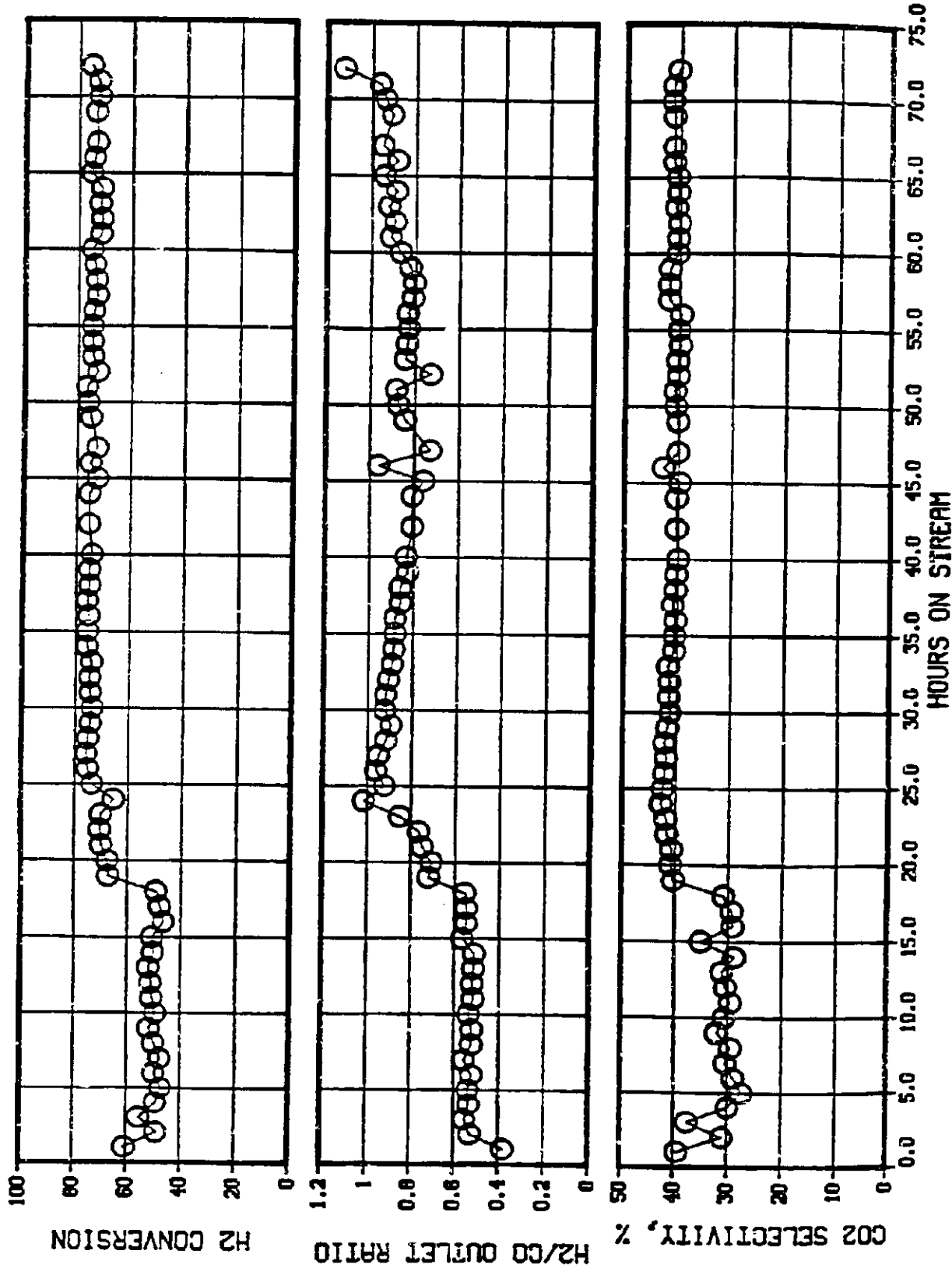


Figure 89

RUN 6

5709-139 IN SLURRY REACTOR 7005

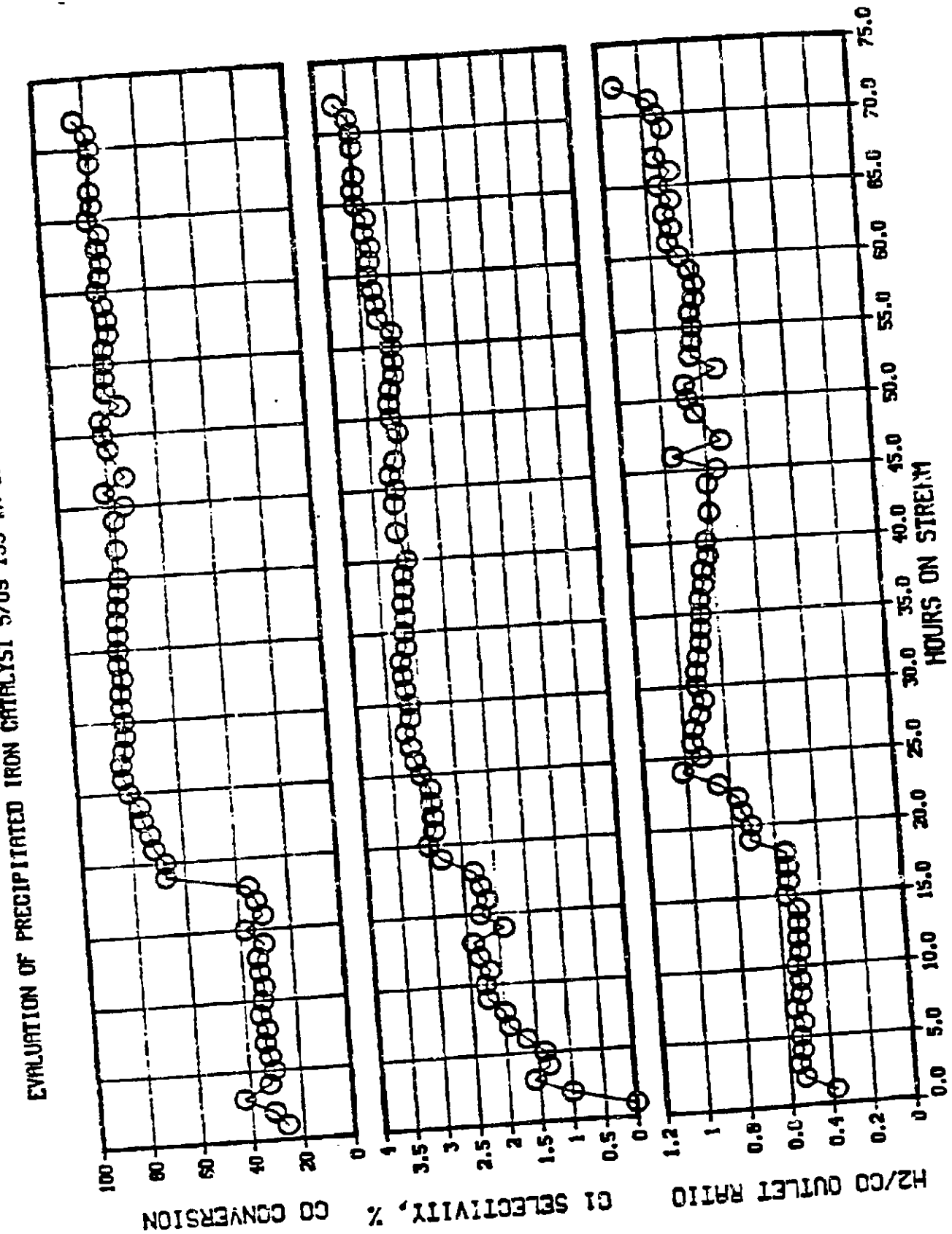


Figure 90

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 700B RUN 6

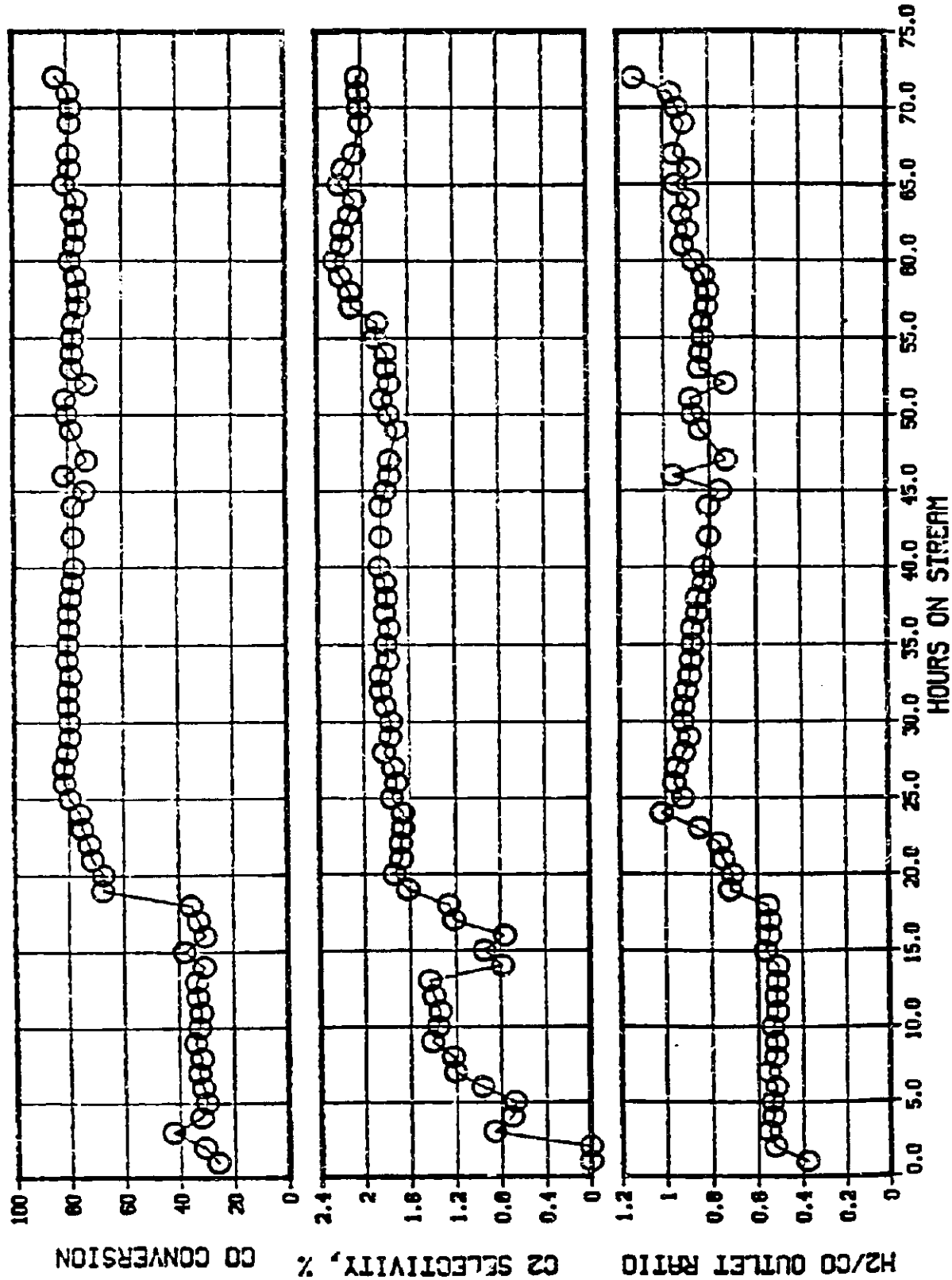


Figure 91

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 7008 RUN 6

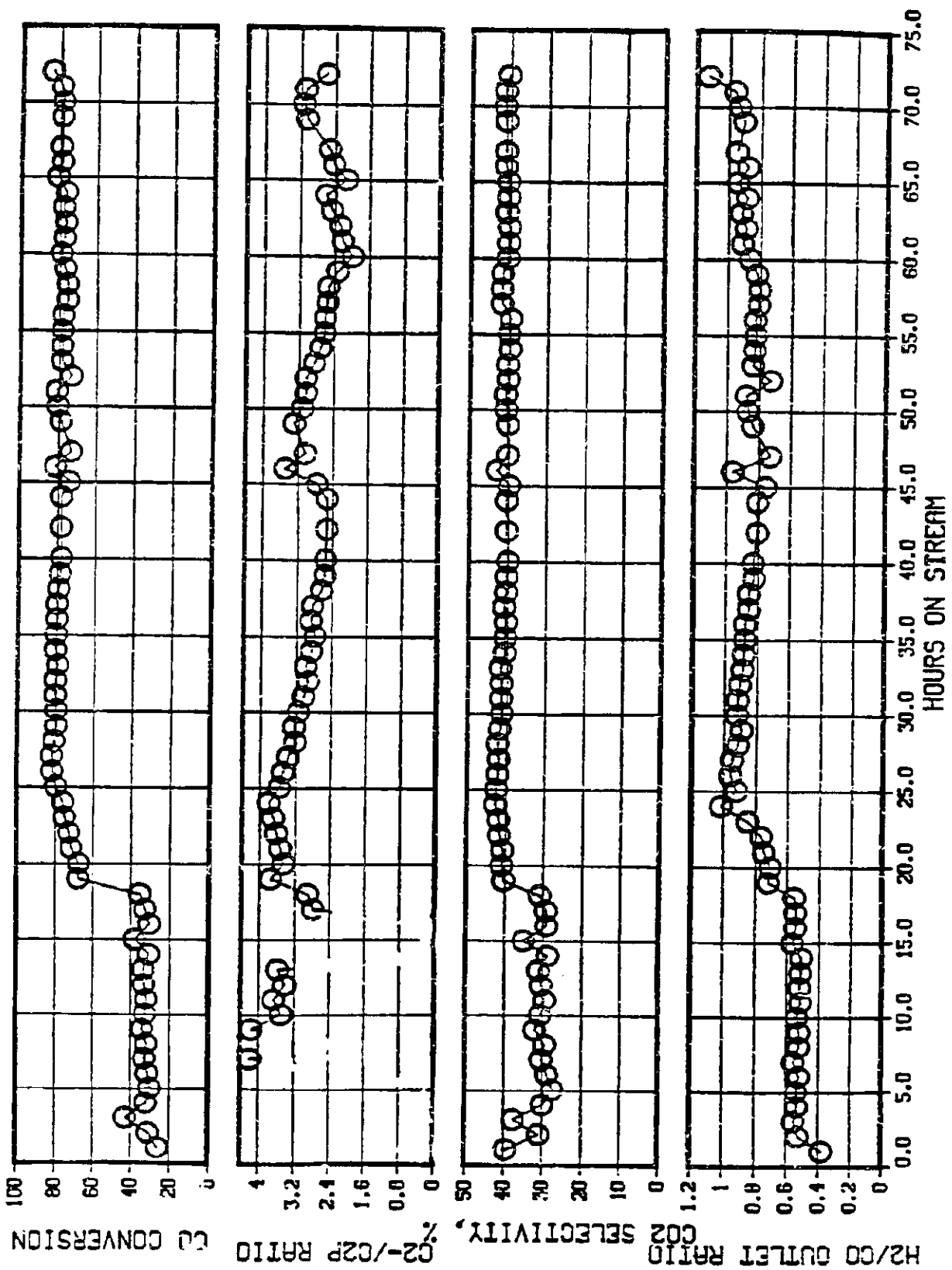


Figure 92

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 7008 RUN 6

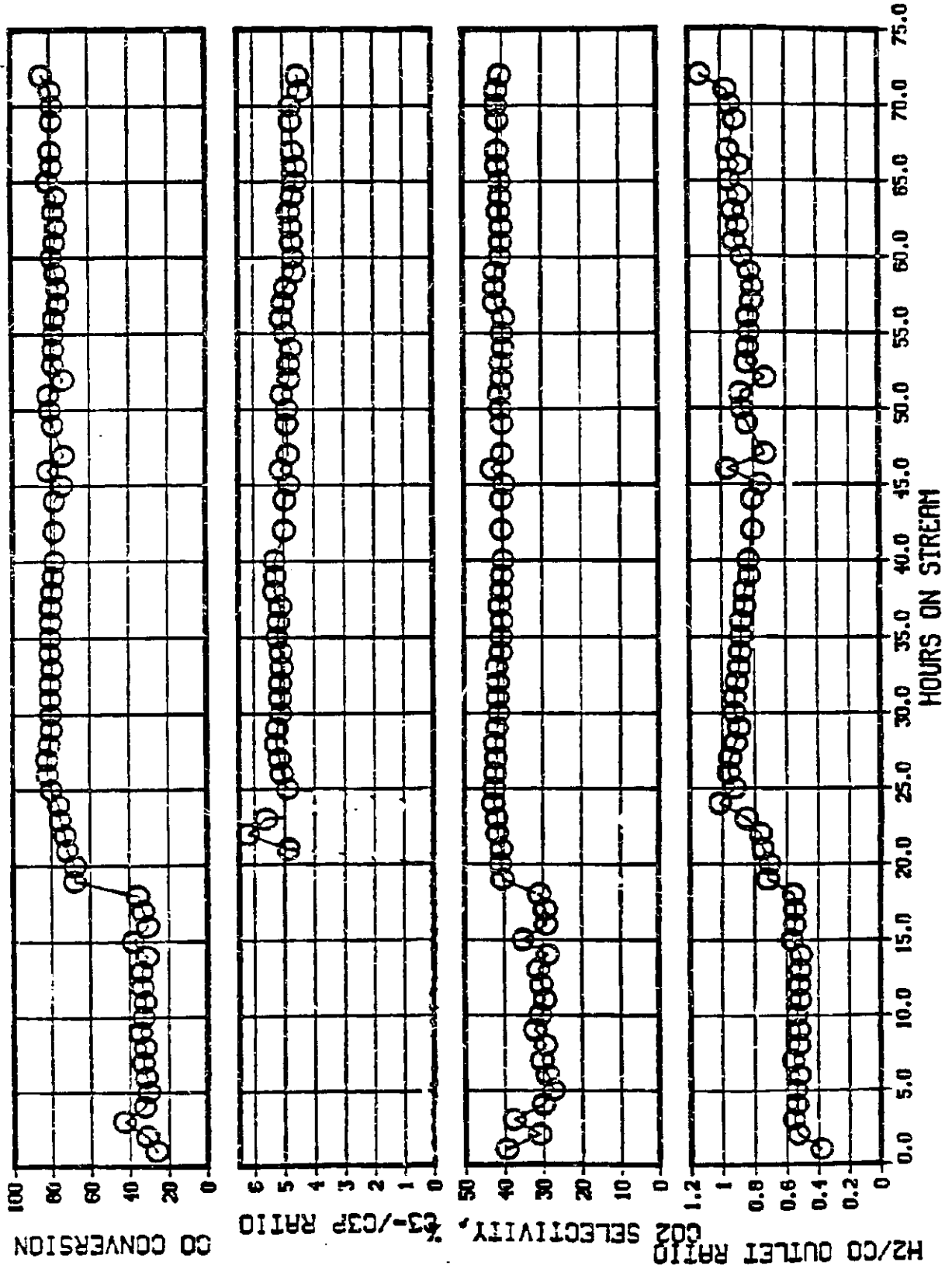




Figure 93

EVALUATION OF PRECIPITATED IRON CATALYST 5709-139 IN SLURRY REACTOR 700B RUN 6

