

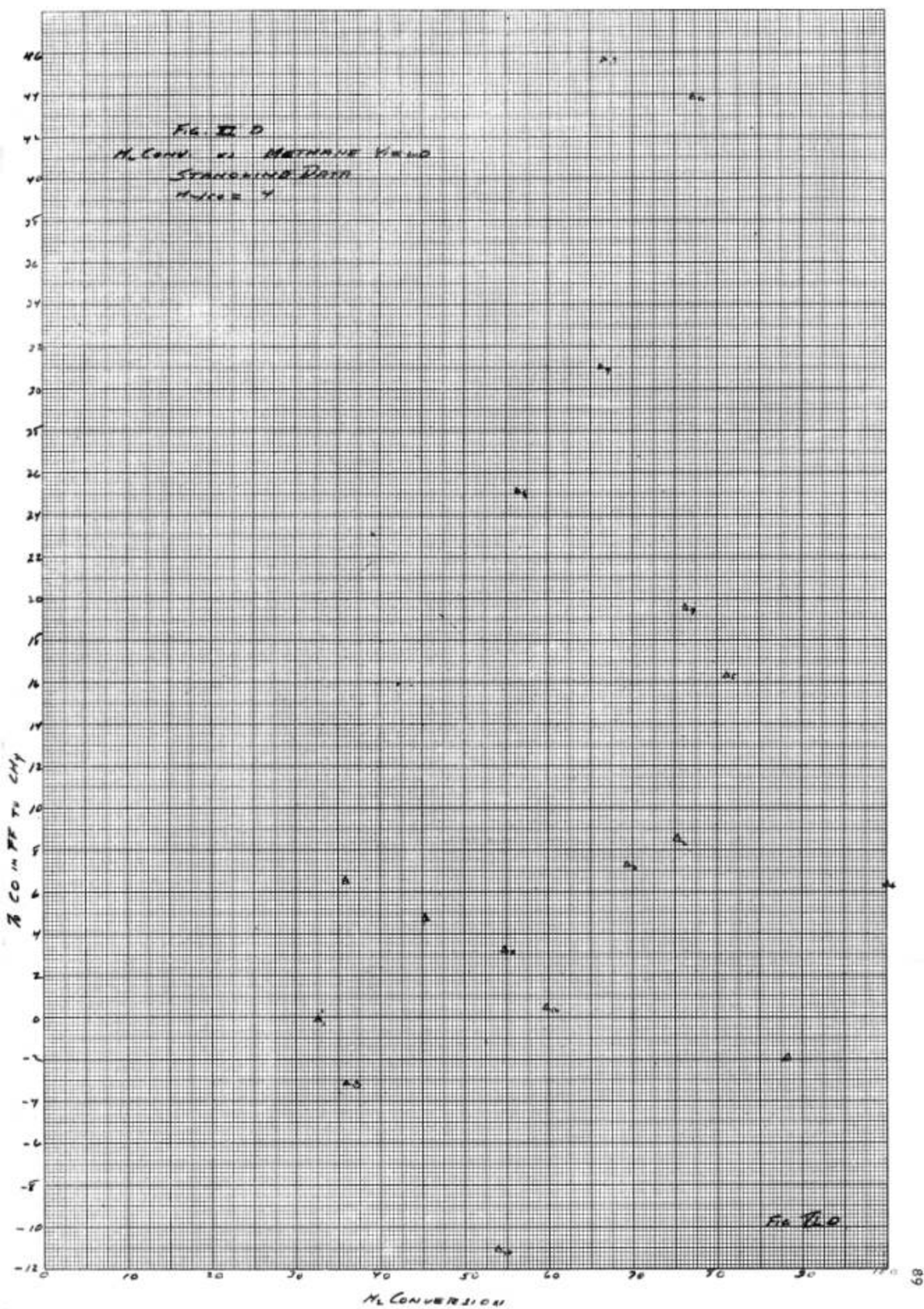


FIG VII
CO TO CH₄ vs CO TO C₂H₆
SEASON DATA
SEE FIG. I FOR NOMENCLATURE

CO TO CH₄

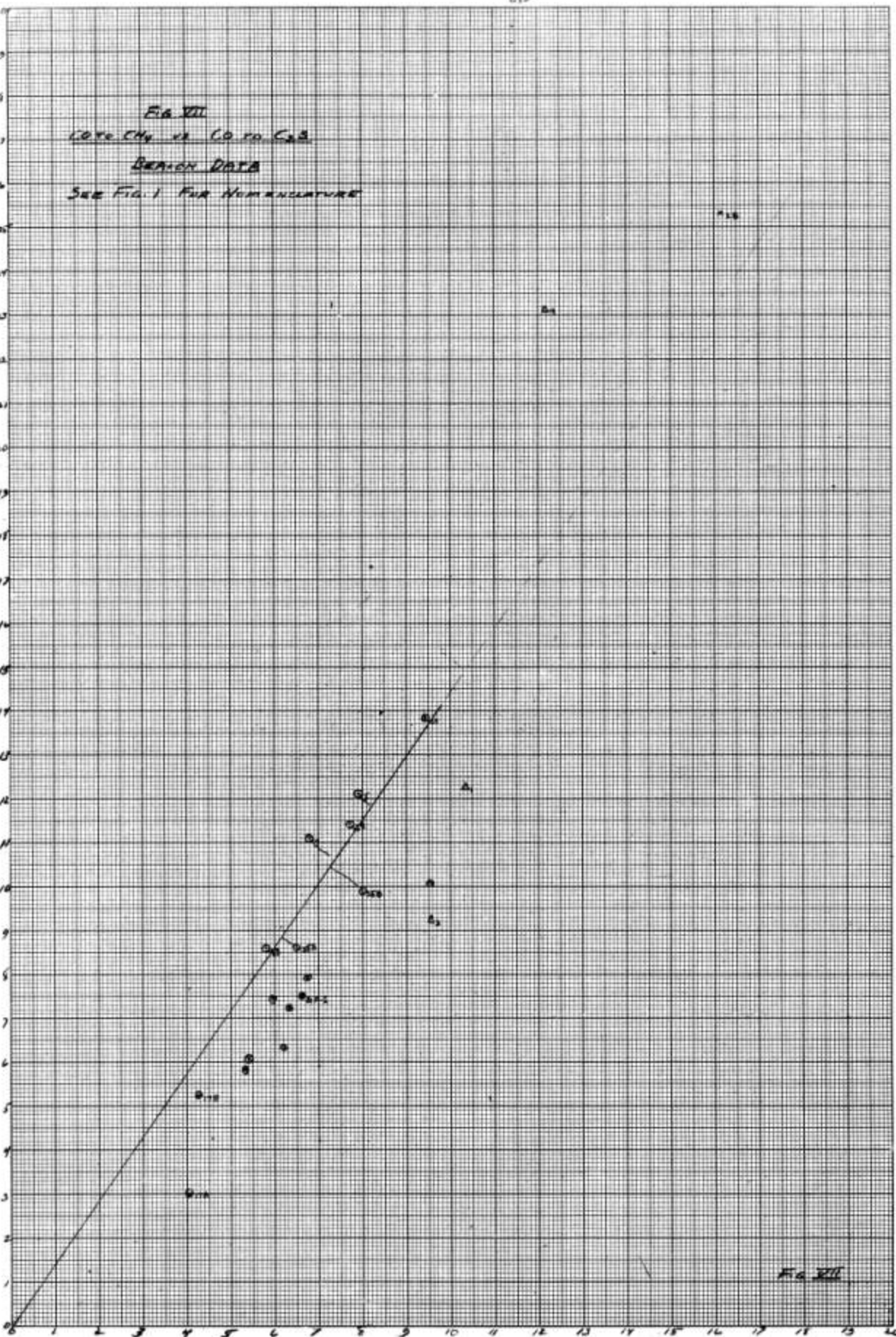


FIG VII

CO TO C₂H₆

2/6/77 LFG

LPR 4-22-47

FIG. III B
CO TO CH₄ vs CO TO C₂S
HRI DATA

- H SERIES
- 14 SERIES
- x 15 SERIES

% CO IN FF TO C₂S

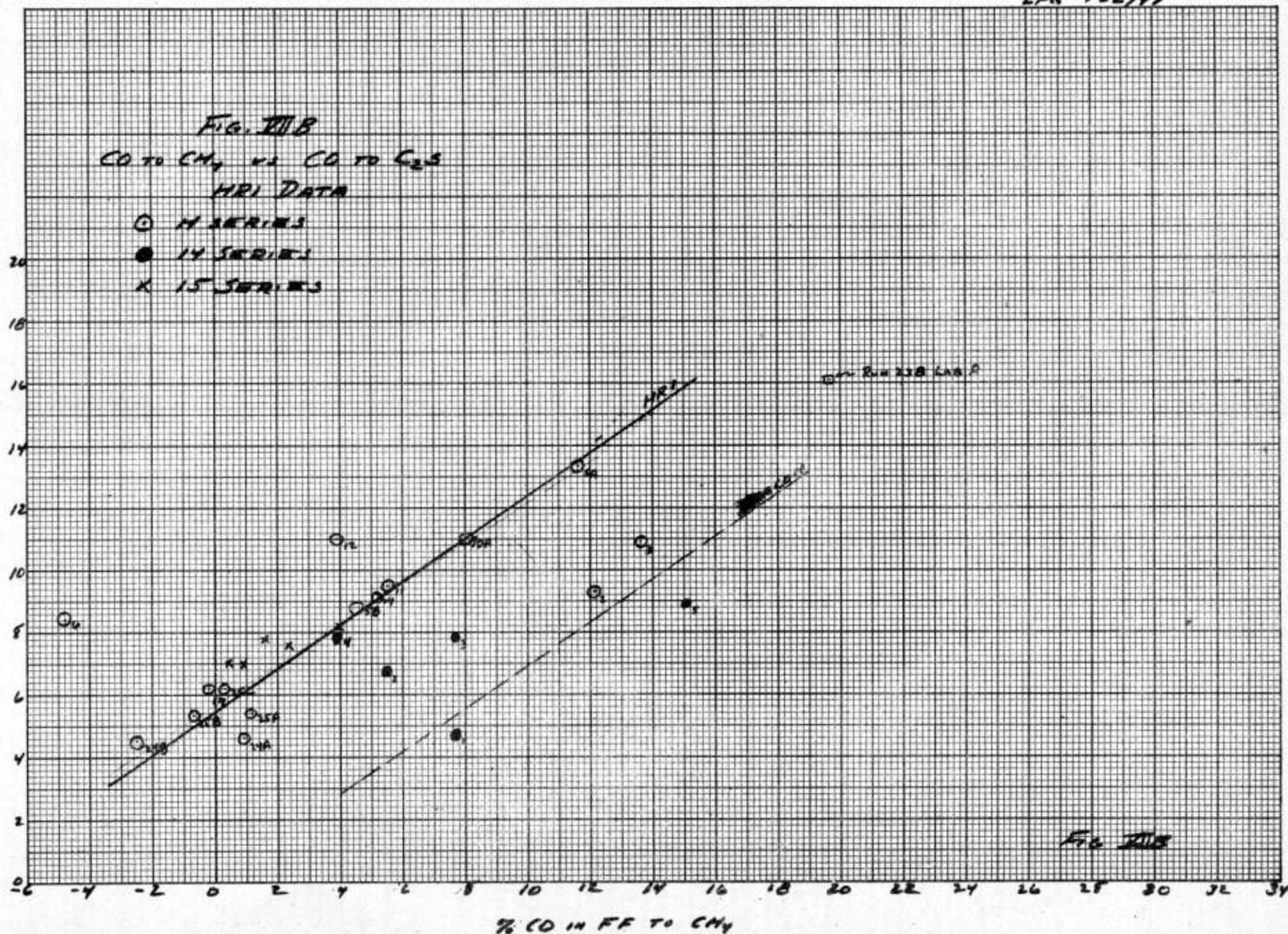
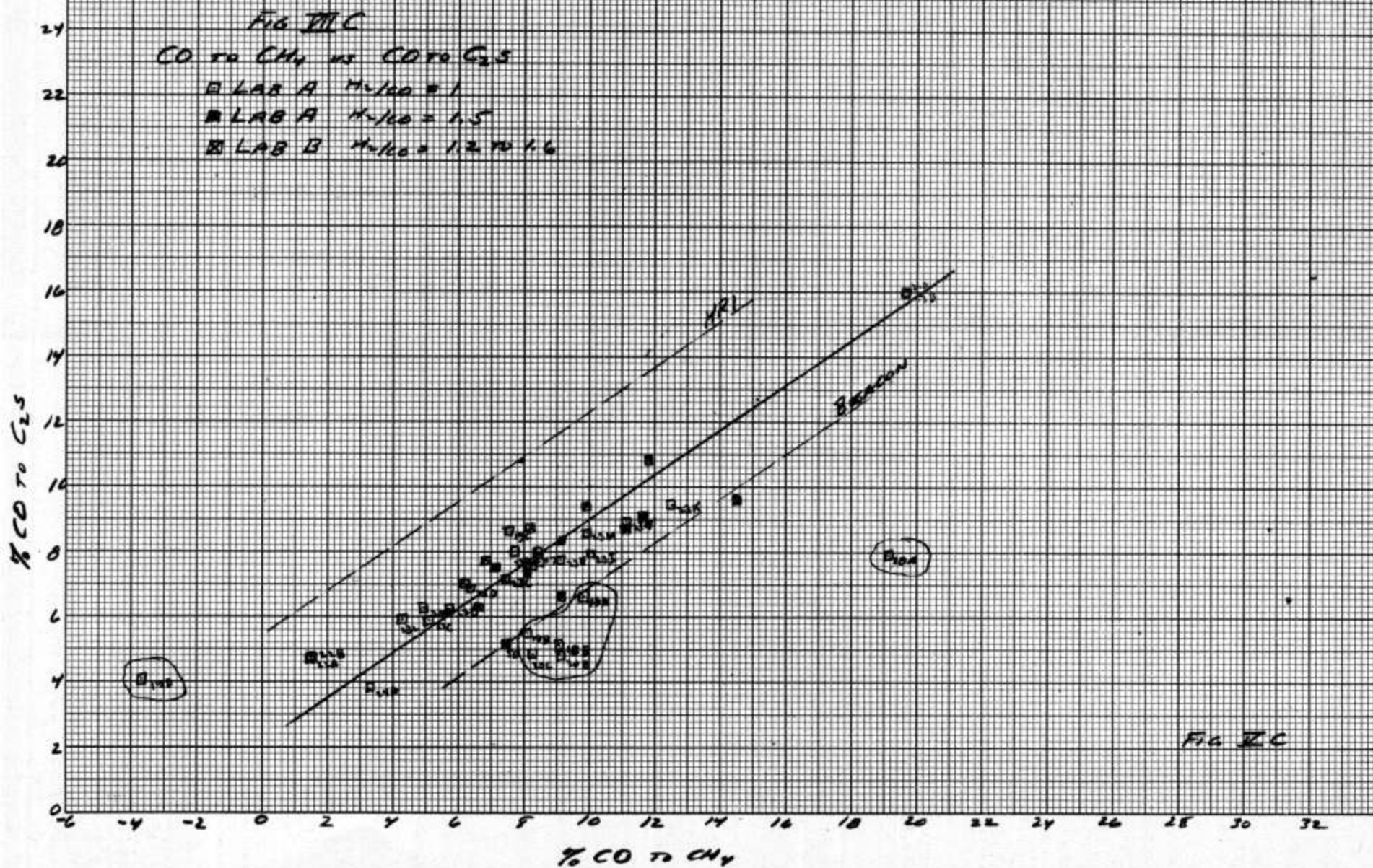


FIG. III B



% CO IN FF TO C₂S

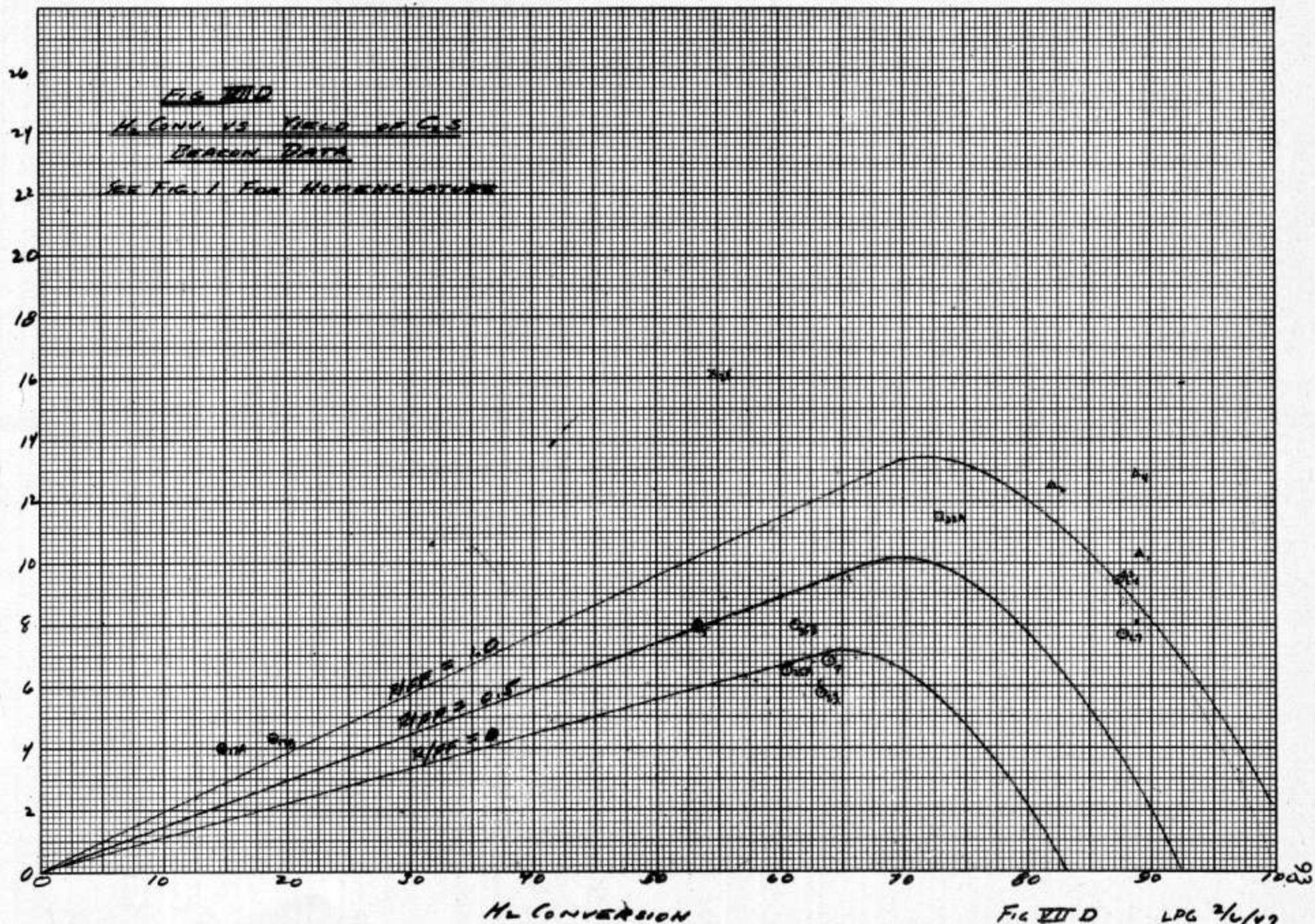


FIG. III E
H₂ CONV. VS. YIELD OF C₂S
HRI DATA

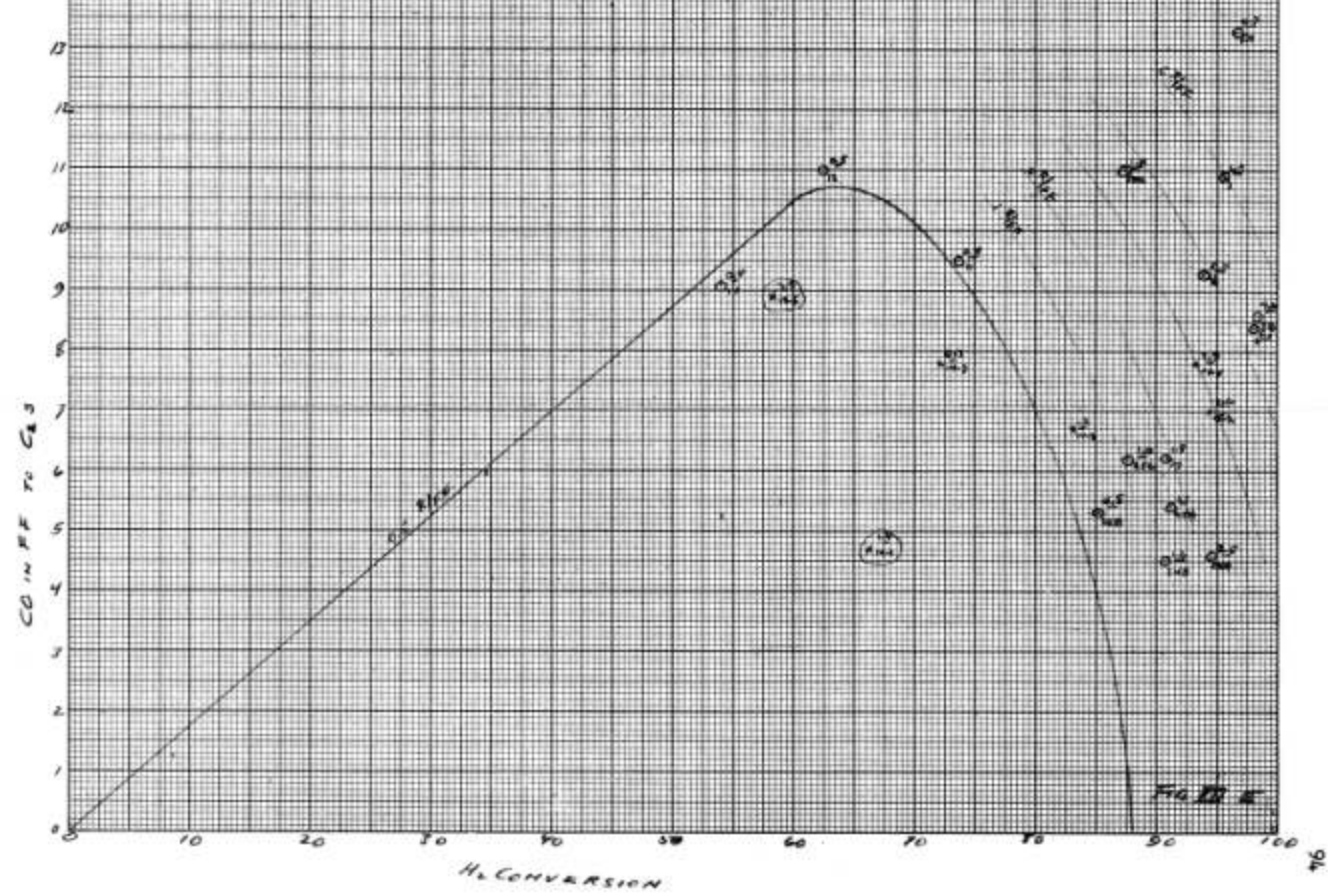


FIG. III E

Fig VIII

CO IN FF TO C₂₃ vs CO IN FF TO C₃₃

- MRI H SERIES
- MRI IN SERIES
- x MRI IS SERIES
- LAB A H/CO H
- LAB A H/CO IS
- LAB B H/CO IS to 16
- BEACH DATA
- x BEACH LIMONITE R.C
- BEACH " " KR
- △ BEACH CATALANO

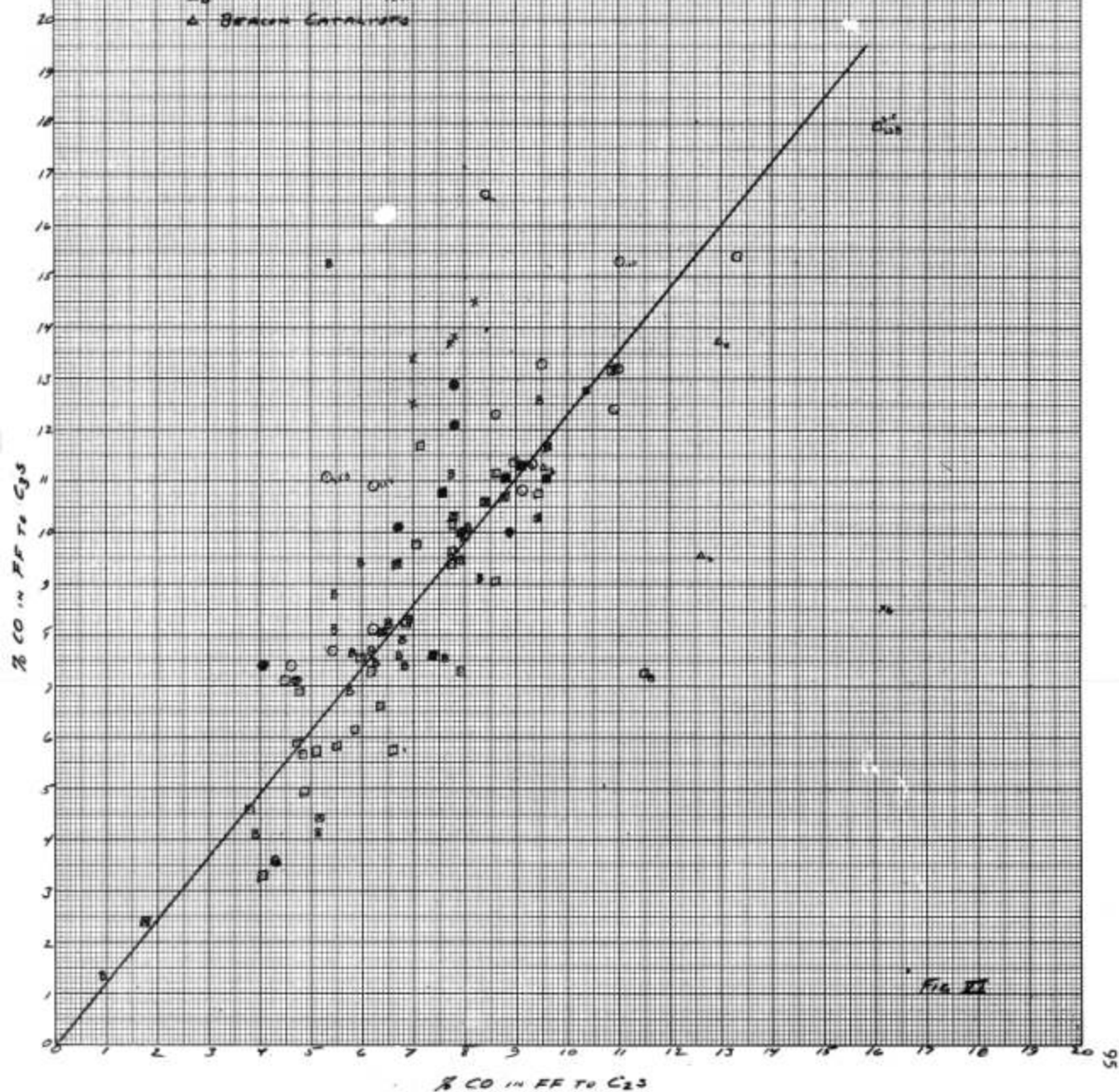


Fig IX

Fig. 12

CO to CH₄ vs. % Unsat. in C₂s

Benton Dr. 10

Jan. 1911 For Nomenclature

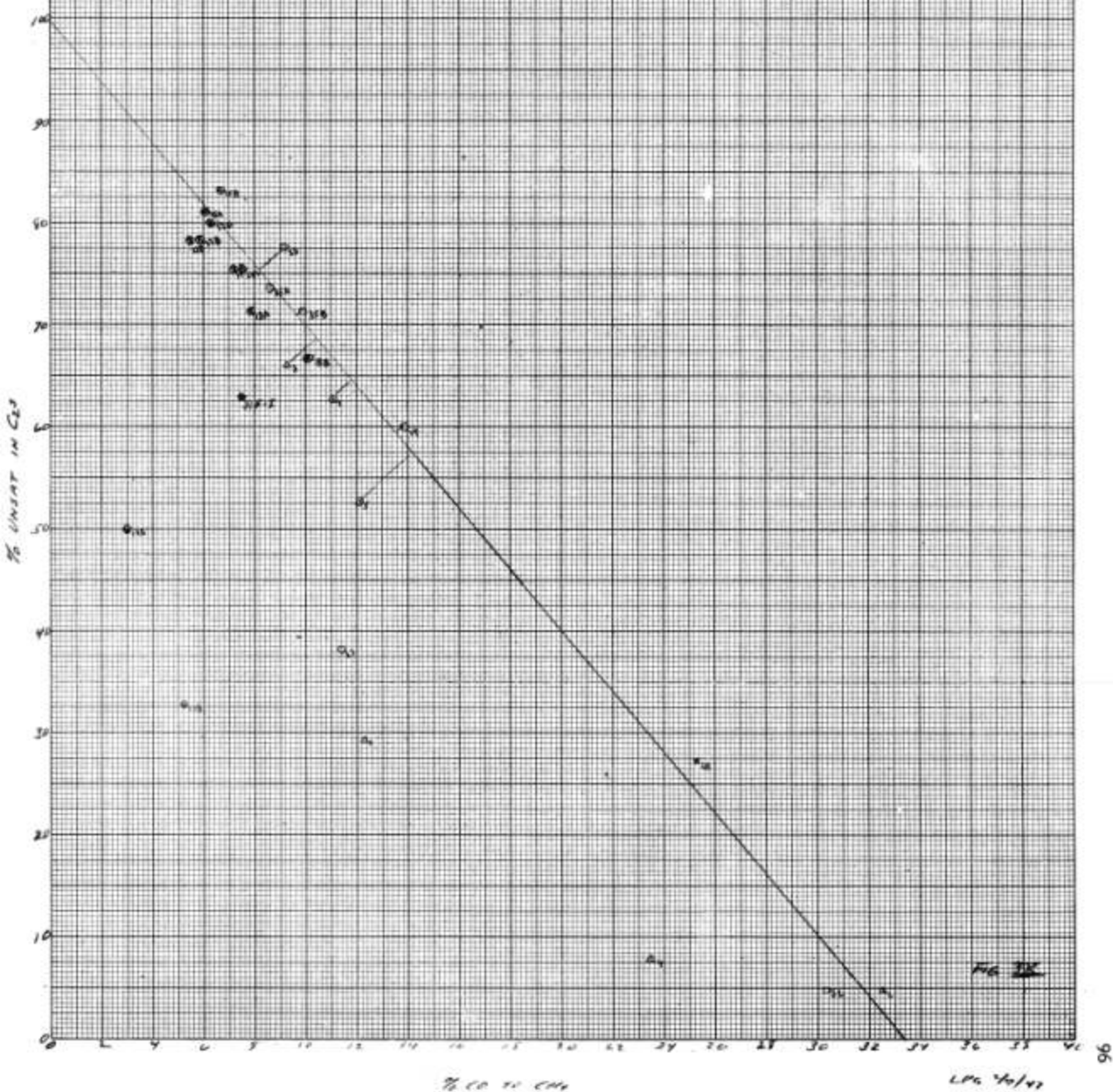


FIG. 18. A
CO TO CH₄ VS % UNSAT. IN C₂S
HRI DATA

○ H SERIES
● 14 SERIES
X 15 SERIES

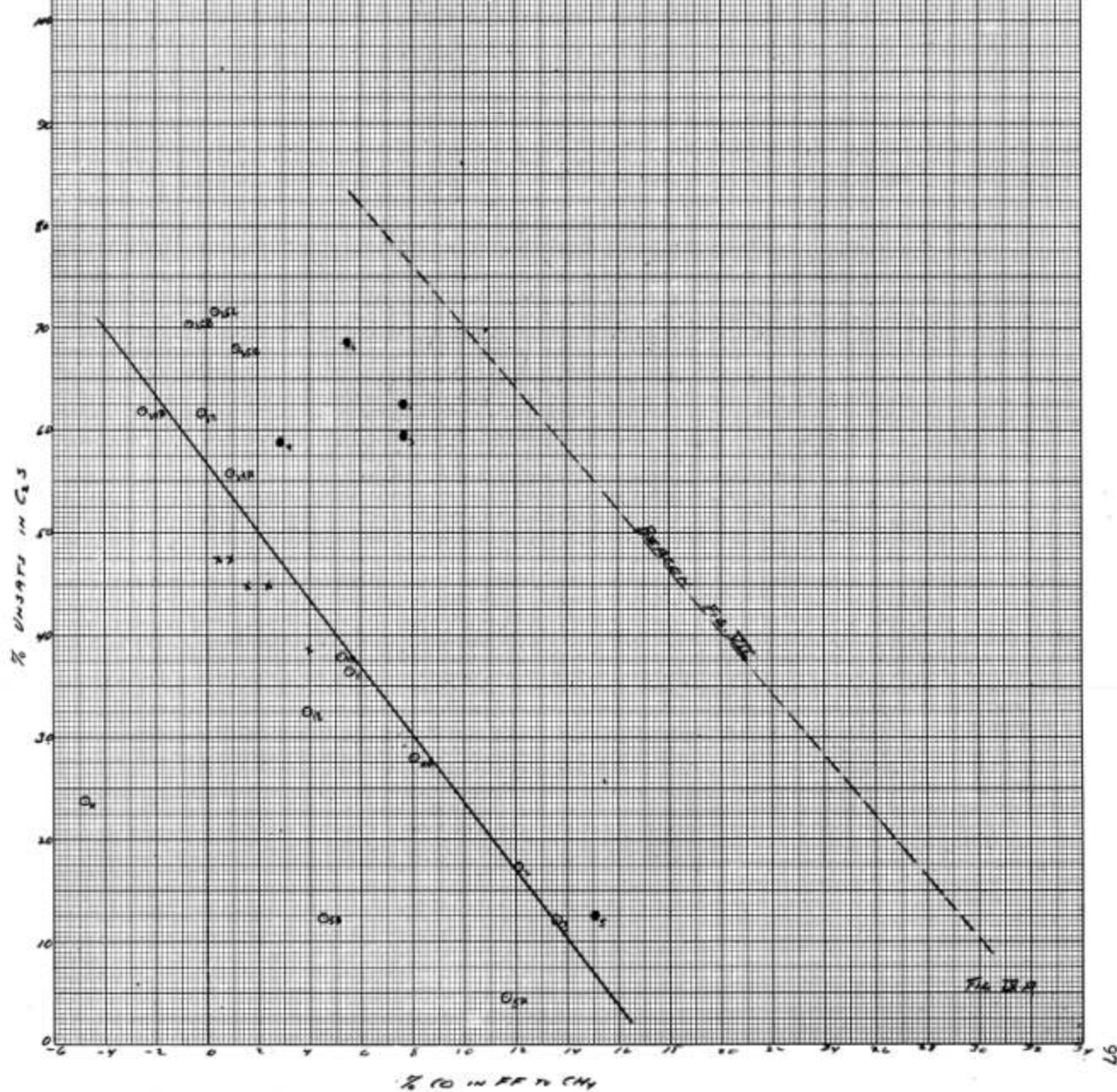


Fig. 18. A

FIG. II
% UNSAT IN C_{25} VS. % UNSAT IN C_{23}
HRI DATA:

○ H SERIES

● 14 SERIES

x 15 SERIES

BRACON DATA:

○ LMA'S PRODUCED CAT.

○ COL. MOORE

● C.I. POWDER

x₀ LIMONITE K₂O

□ LIMONITE KR

△ BRACON CATALYSTS

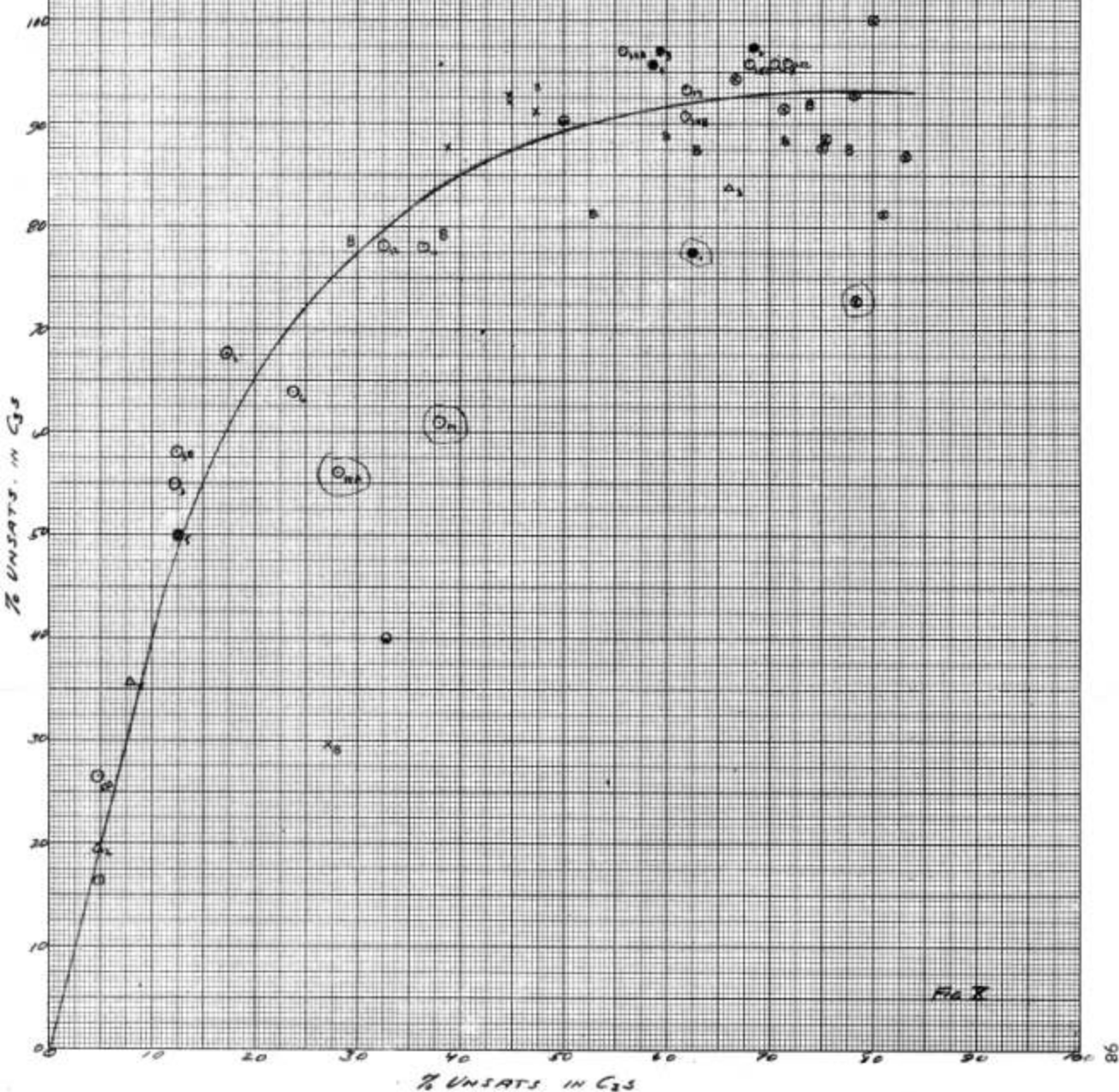


FIG. II

FIG. XII

UNSAT. IN C_{12} vs. UNSAT. IN C_{13}
See Fig. II for nomenclature.

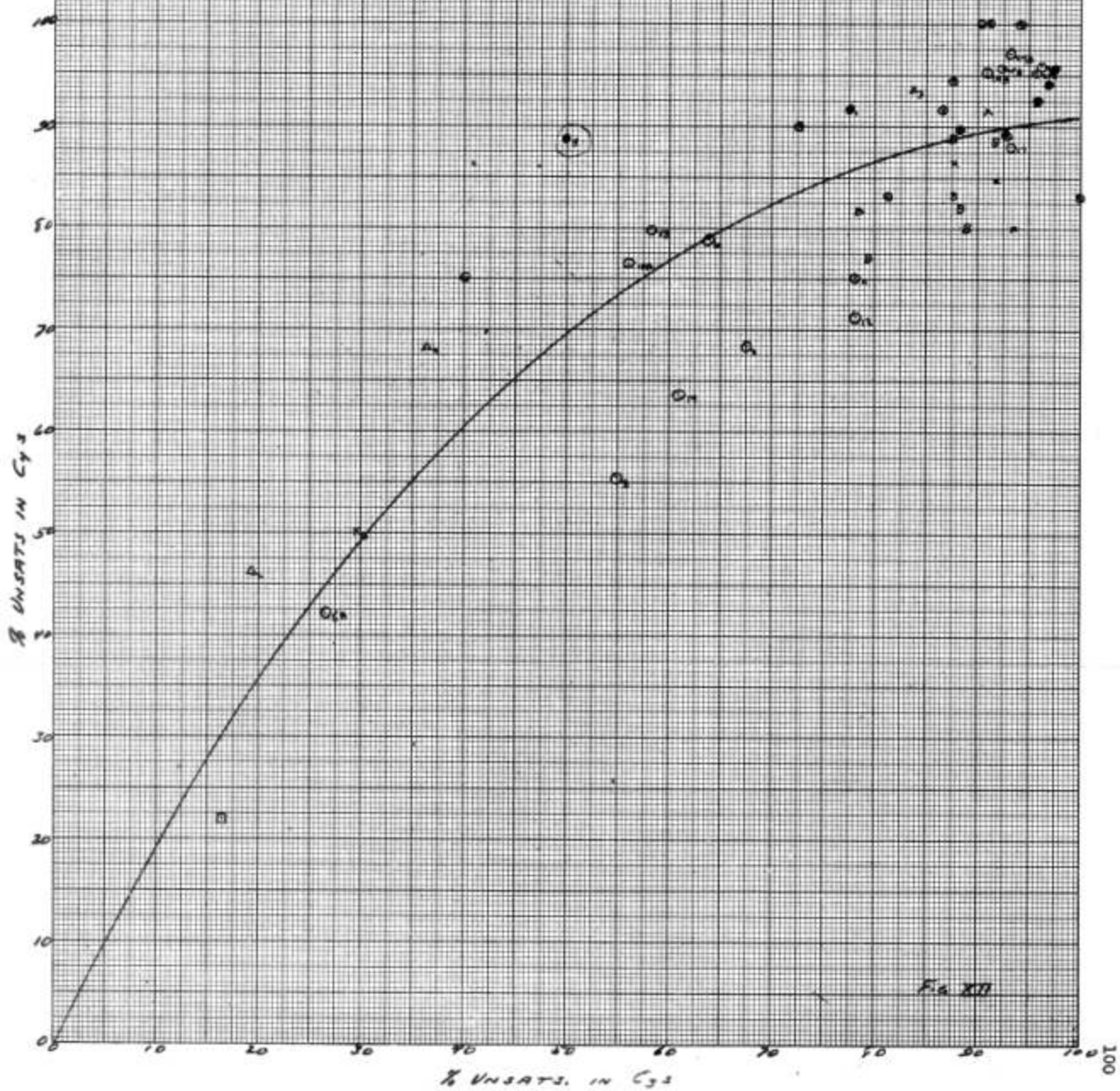


FIG. XII

LOG 2/25/48

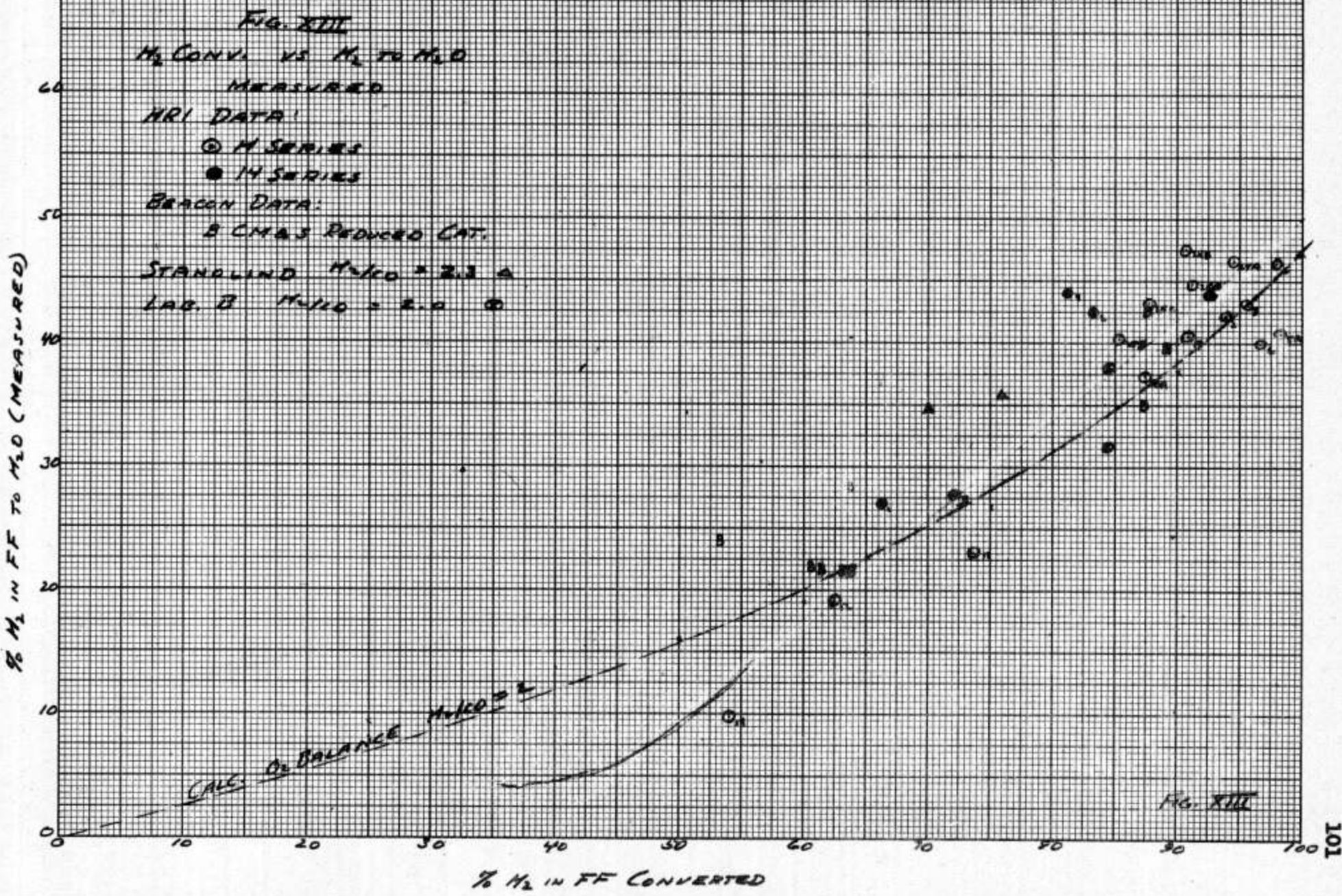


FIG. XIII

1/2 H₂ IN FF TO H₂O (MEASURED)

FIG. III A

H₂ CONV. VS. H₂ TO H₂O

MEASURED

LAB. A DATA H₂/CO = 1

LAB. A DATA H₂/CO = 1.5

CALC. O₂ BALANCE H₂/CO = 1

CALC. O₂ BAL. H₂/CO = 1.5

% H₂ IN FF CONVERTED

FIG. III A

FIG. XIII B

H₂ CONV. VS H₂ TO H₂O

BEACON DATA
WITH SPECIAL CATALYSTS

- ⊙ CM&S REDUCED CAT. BUT WITH CO₂ ADDED
- C.I. POWDER
- X LIMONITE H₂O
- LIMONITE KF
- CM&S UNREDUCED
- ▲ BEACON CATALYSTS

% H₂ IN FF TO H₂O

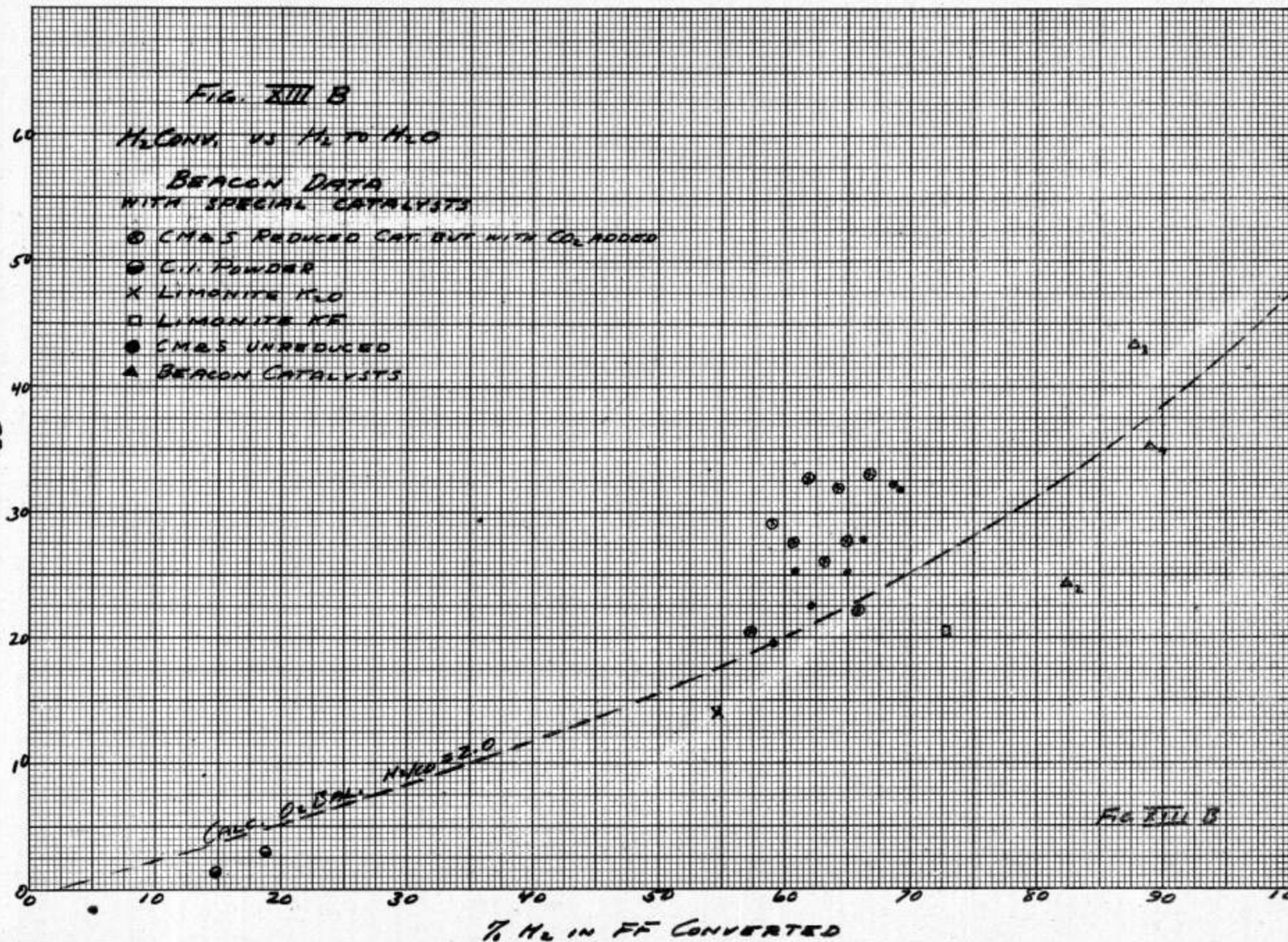


FIG. XIII B

% CO IN FF TO OX. COMPOUNDS

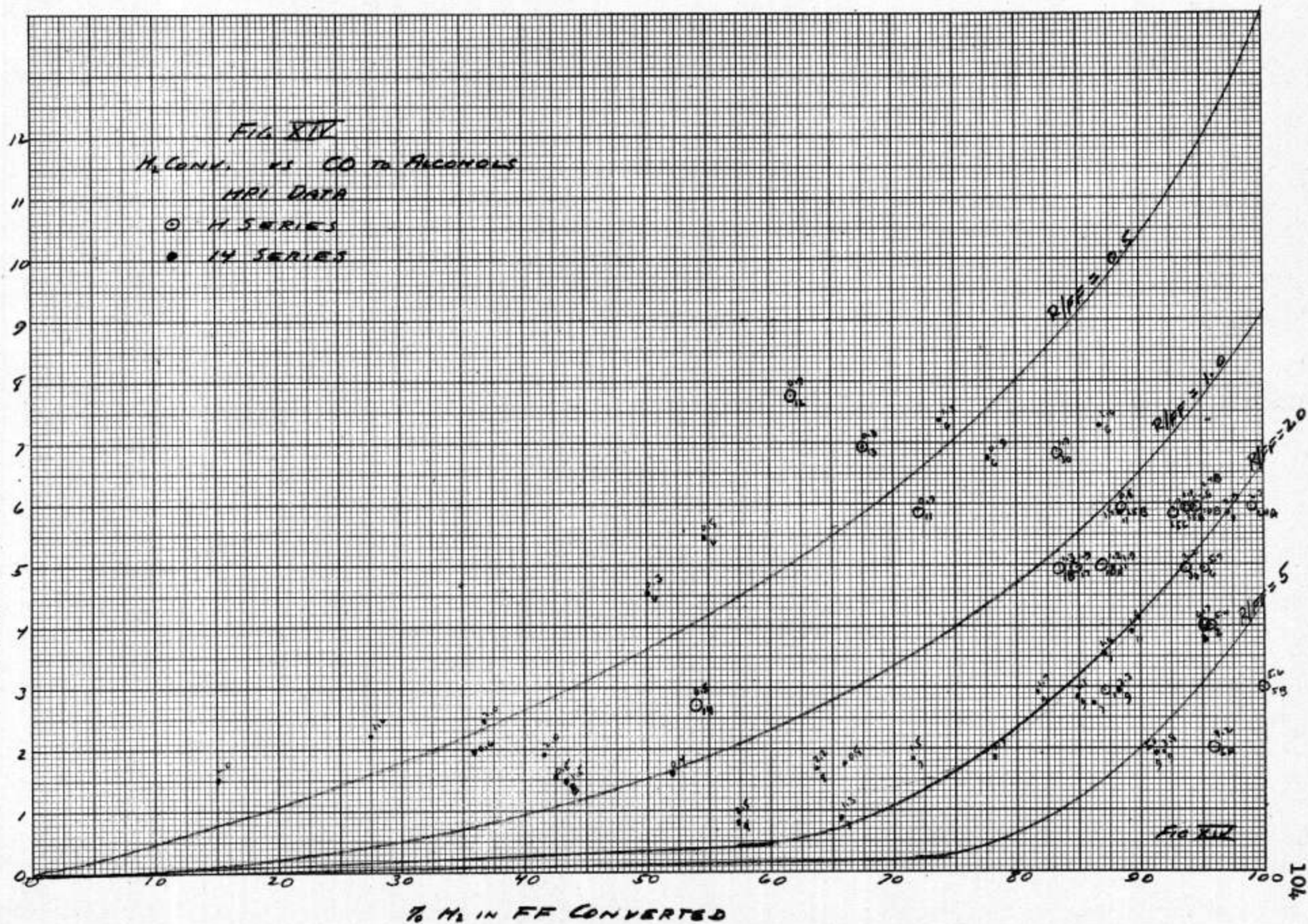


FIG. XV

H₂ CONVERSION vs. P/EE

○ HRI 14-SERIES

● HRI 14-SERIES

x HRI 15-SERIES

□ BANCOR COTEX REG.

	H-SERIES	14-15-SERIES
Pressure	100-125	100-125
Temp. °F	12-14	12-14
CO ₂ % in FF	0-10	0-10
CO ₂ 2.5 % FF	12-14	12-14
Temp.	500-600	500-600
H ₂ %	10-12	10-12

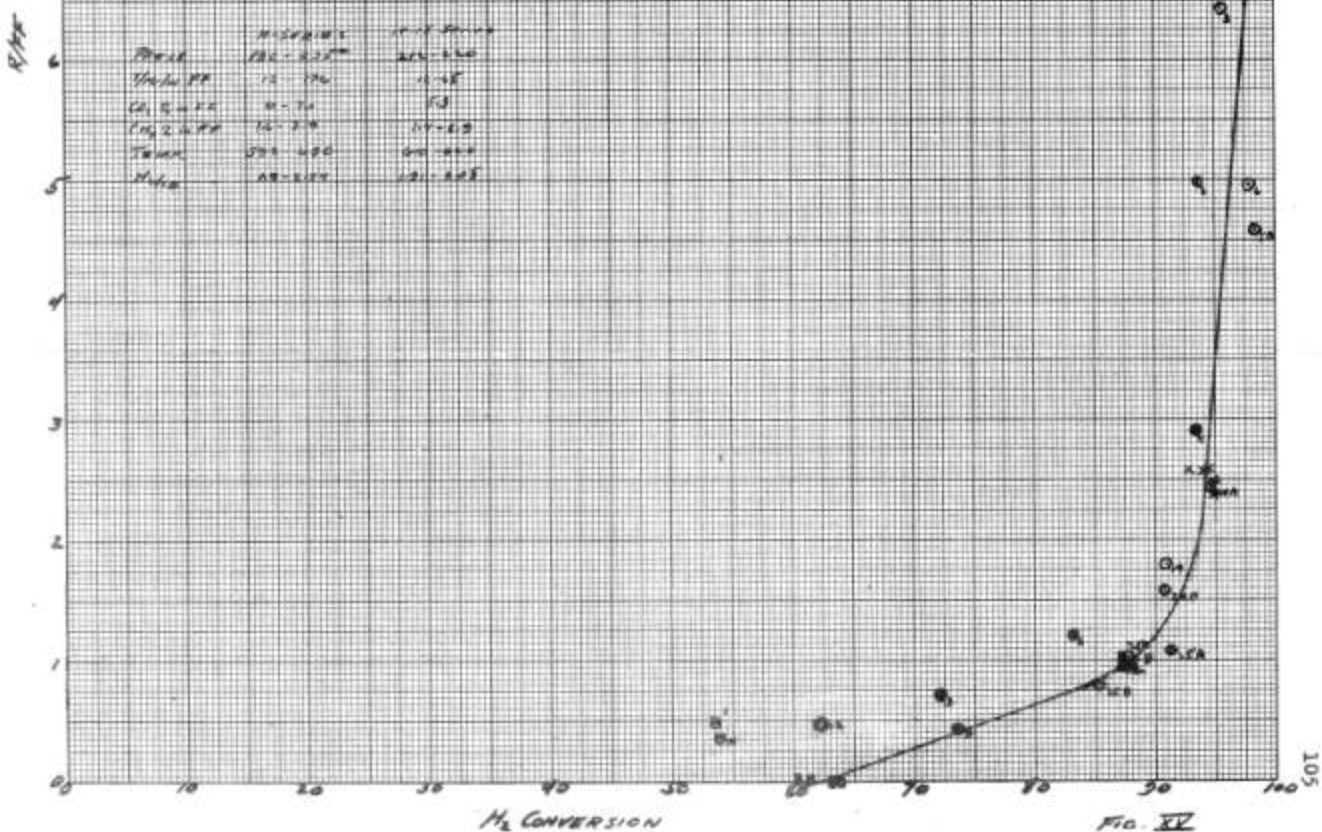
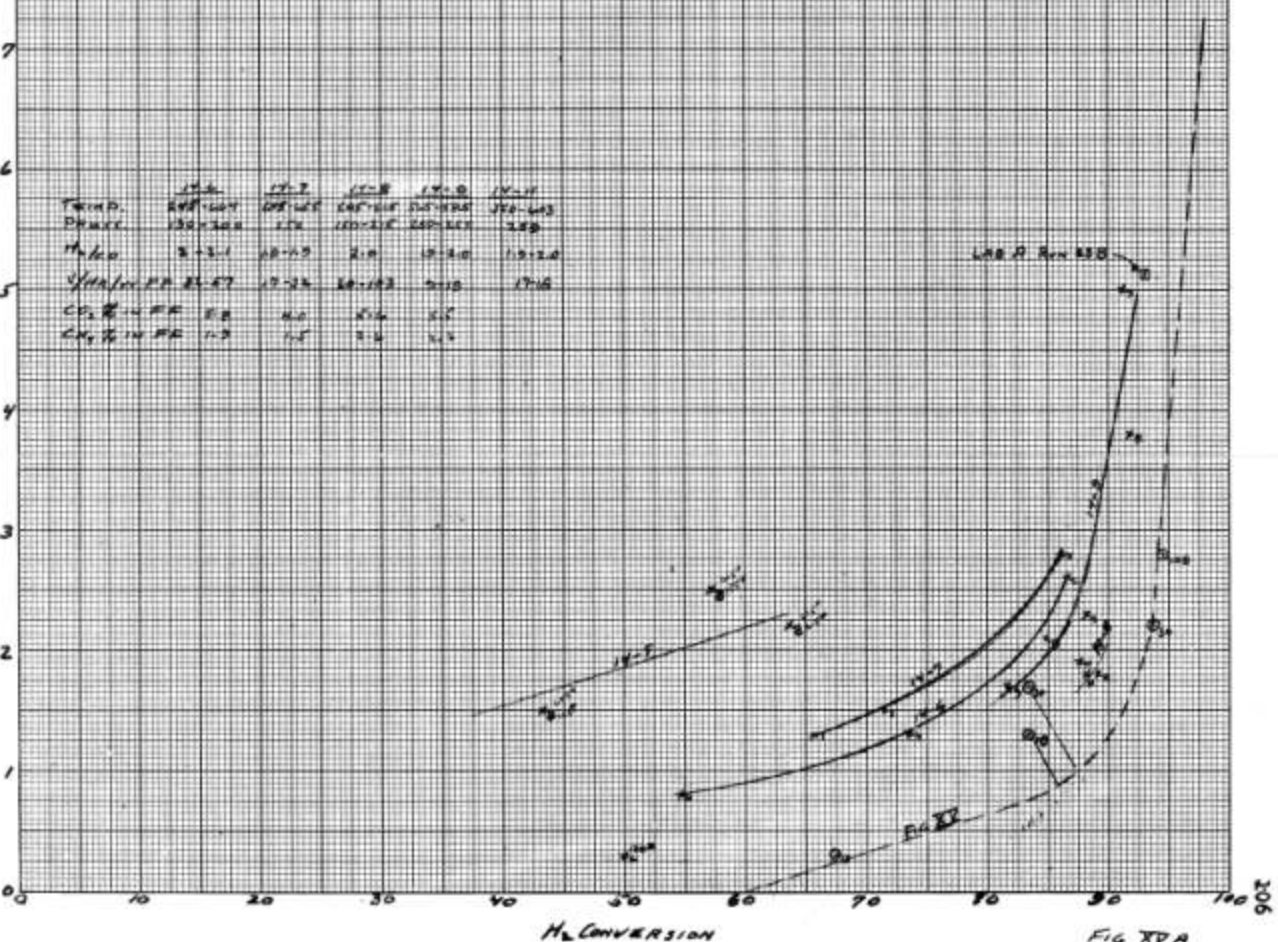


FIG 82A
H₂ CONV. VS R/FF
HRI 14 SERIES
FROM SUMMARIES

R/FF

	17-2	17-3	17-8	17-9	17-11
TRIAL NO.	848-1647	848-165	848-167	848-168	848-169
DATE	12-2-55	12-2-55	12-2-55	12-2-55	12-2-55
H ₂ CO	5-3-1	10-1-3	2-1	10-2-0	1-3-2-0
SPIN/REV	23-57	17-24	10-1-3	9-1-3	17-16
CO ₂ % IN FF	0.8	0.0	0.6	0.6	
CH ₄ % IN FF	1.3	1.5	2.4	1.5	

LAB. A Rev 838



H₂ CONVERSION

FIG 82A

FIG. XV B
 M_n CONV. VS. R/R_0

- LAB A $M_n/10 = 1.0$
- LAB A $M_n/10 = 1.5$
- LAB B $M_n/10 = 1.7$ & 1.6
- △ STANOLIND $M_n/10 = 3.4$ to 5.1
- ▲ STANOLIND $M_n/10 = 2.3$

R/R_0

M_n CONVERSION

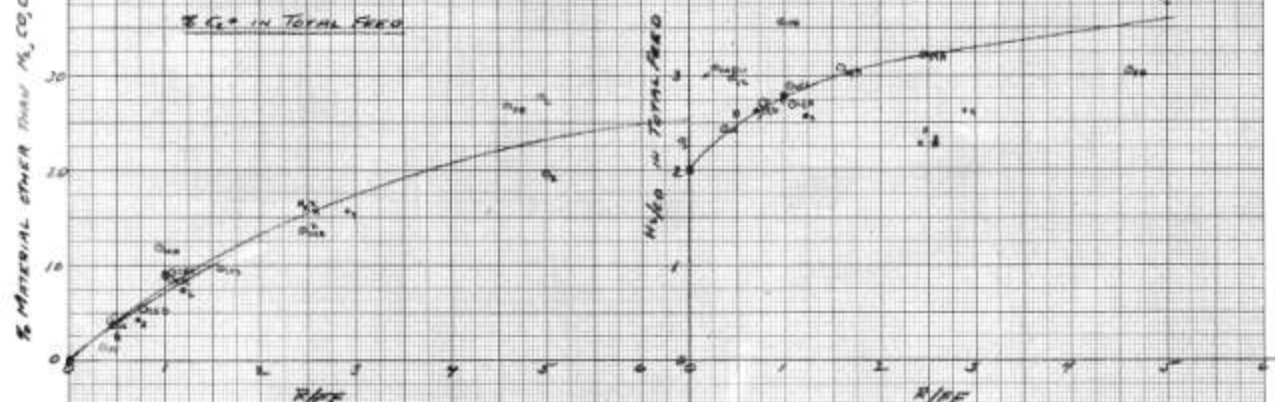
FIG. XV B

% MATERIAL OTHER THAN H_2 , CO , CO_2 & CH_4 IN TOTAL FEED

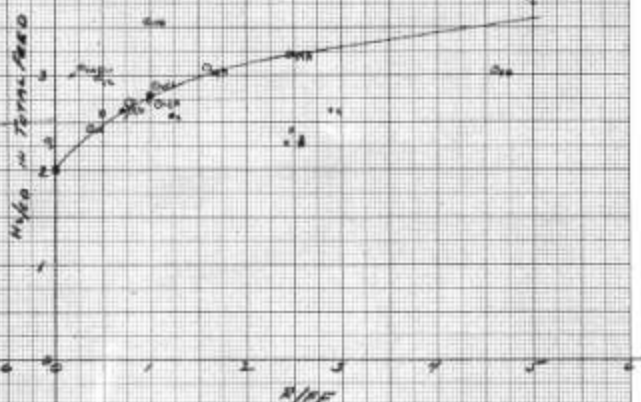
FIG. XVI
R/FF VS TOTAL FEED COMP.

HRI & BERGEN DATA
MIXED IN FF 2.2

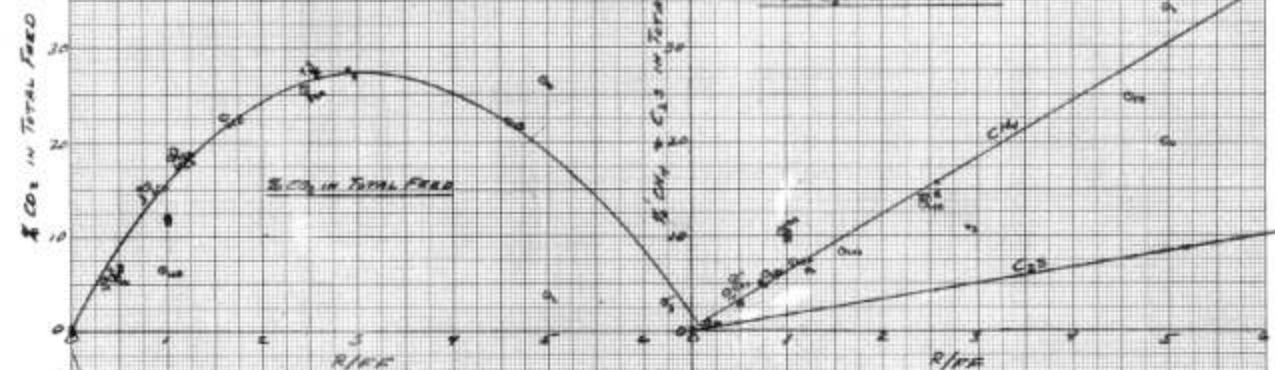
% C_2^+ IN TOTAL FEED



% H_2O IN TOTAL FEED

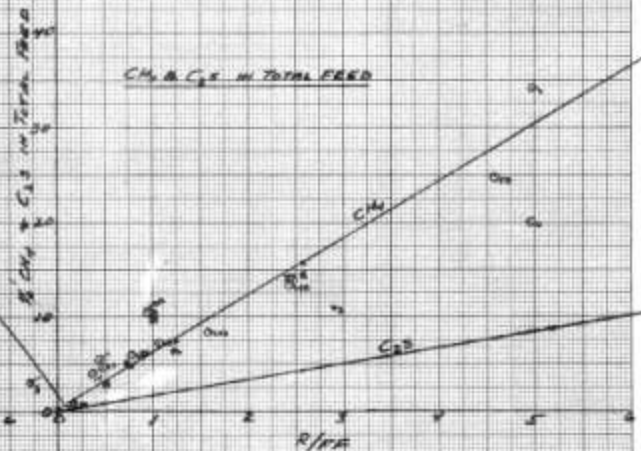


% CO_2 IN TOTAL FEED



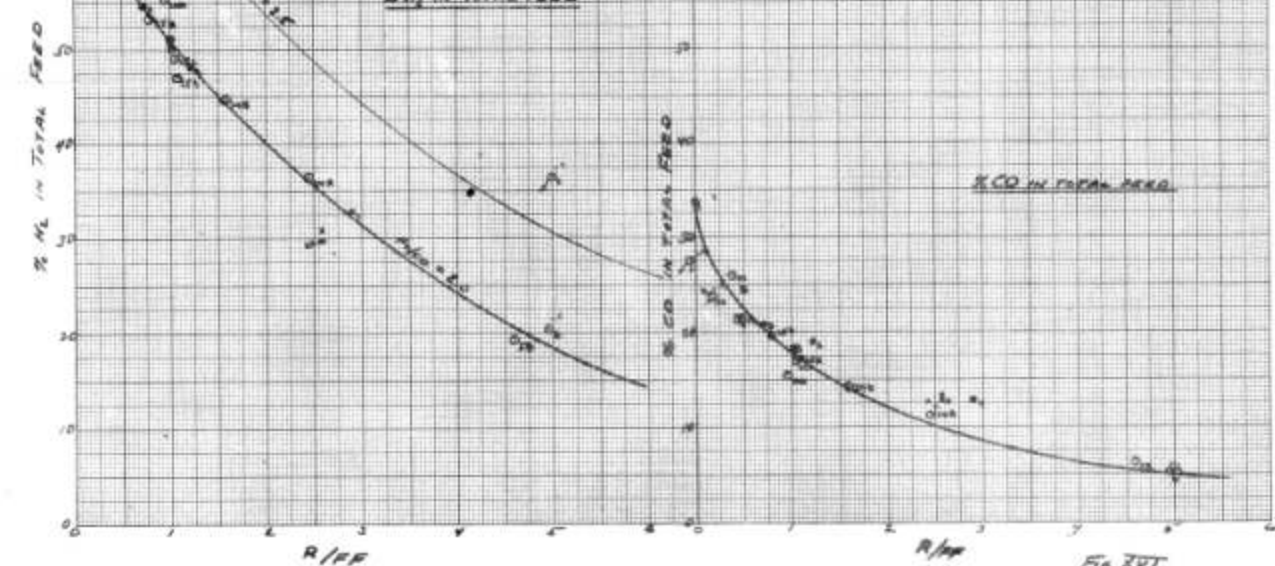
% CO_2 IN TOTAL FEED

% CH_4 & C_2^+ IN TOTAL FEED



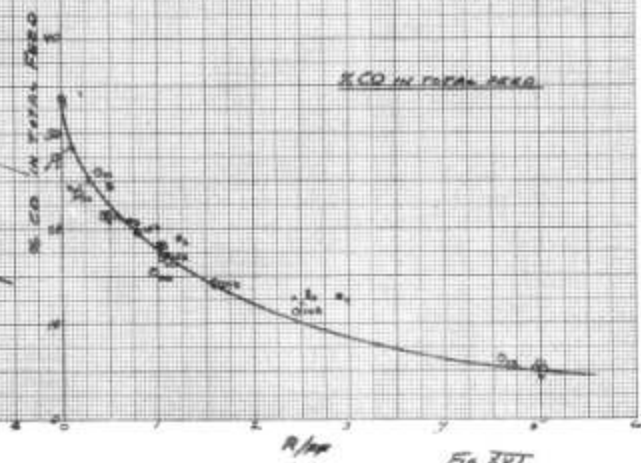
% CH_4 & C_2^+ IN TOTAL FEED

% H_2 IN TOTAL FEED



% H_2 IN TOTAL FEED

% CO IN TOTAL FEED



% CO IN TOTAL FEED

Fig. XVII

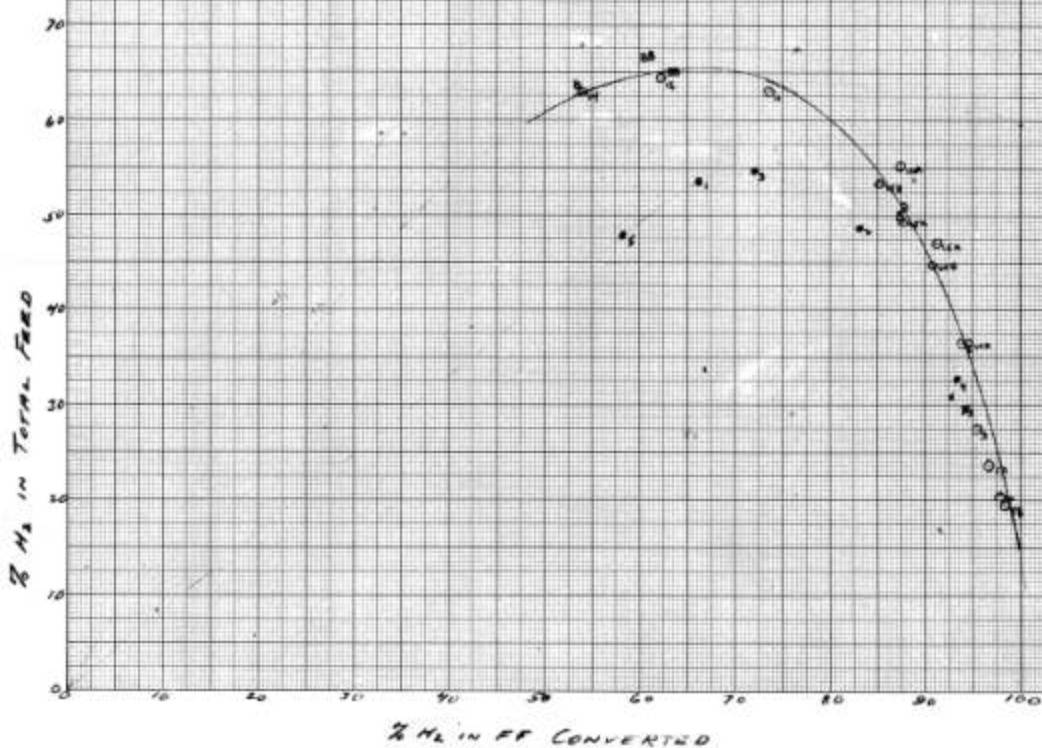
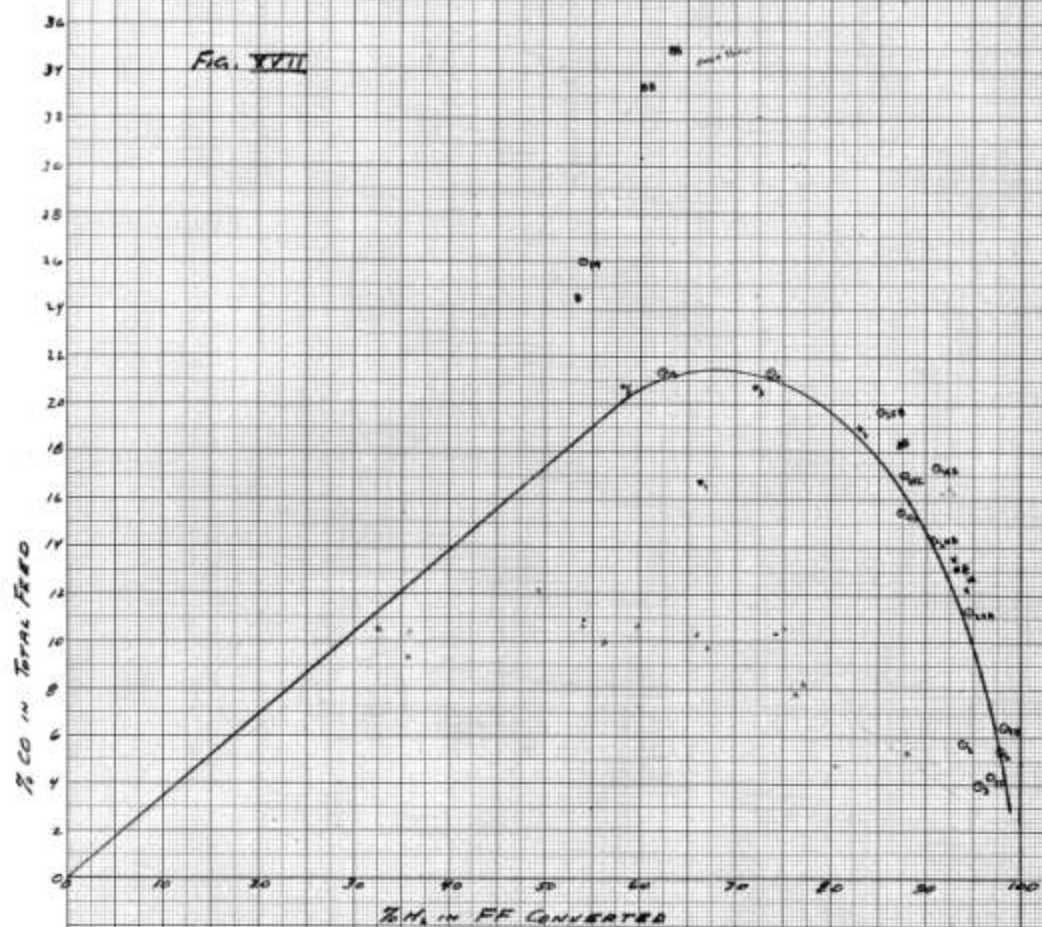


FIG. XVII A

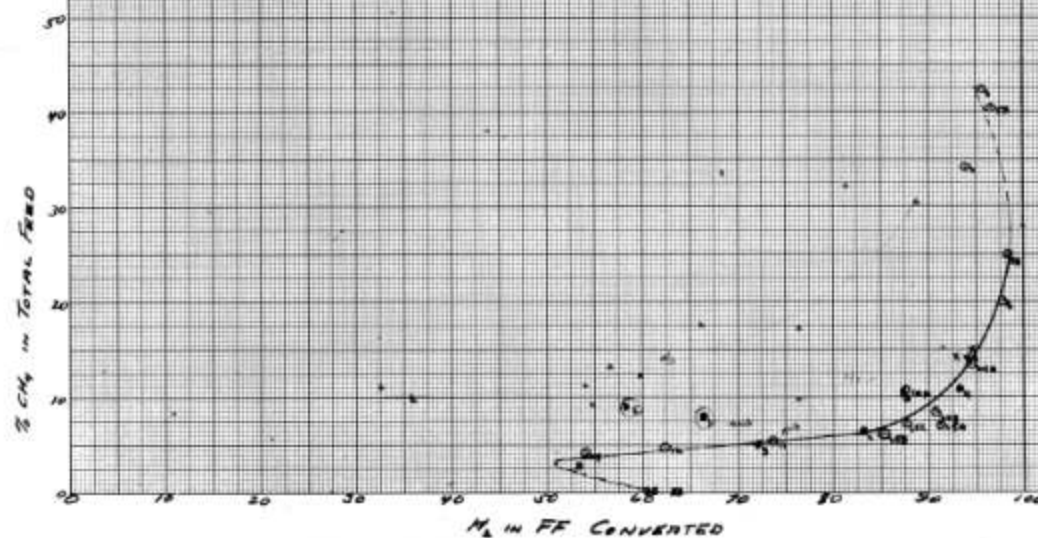
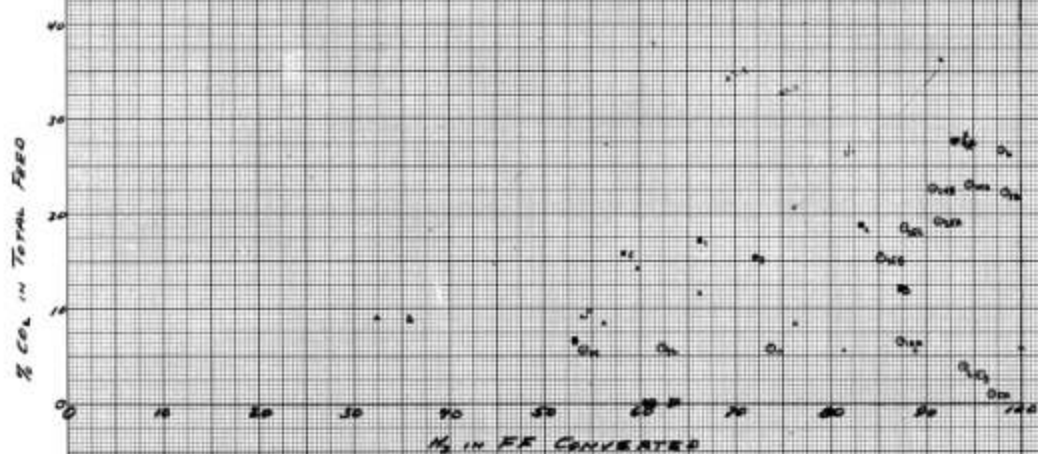
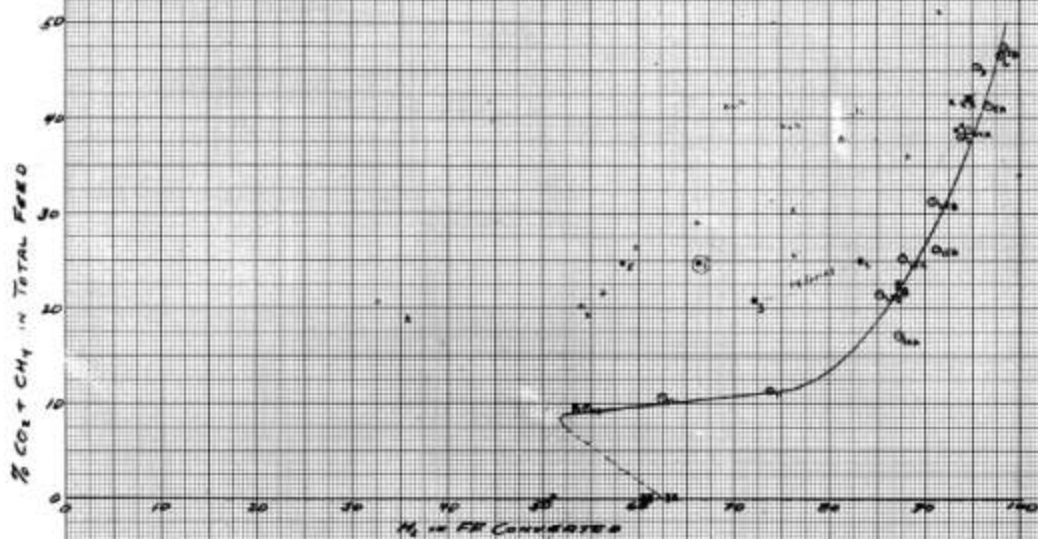
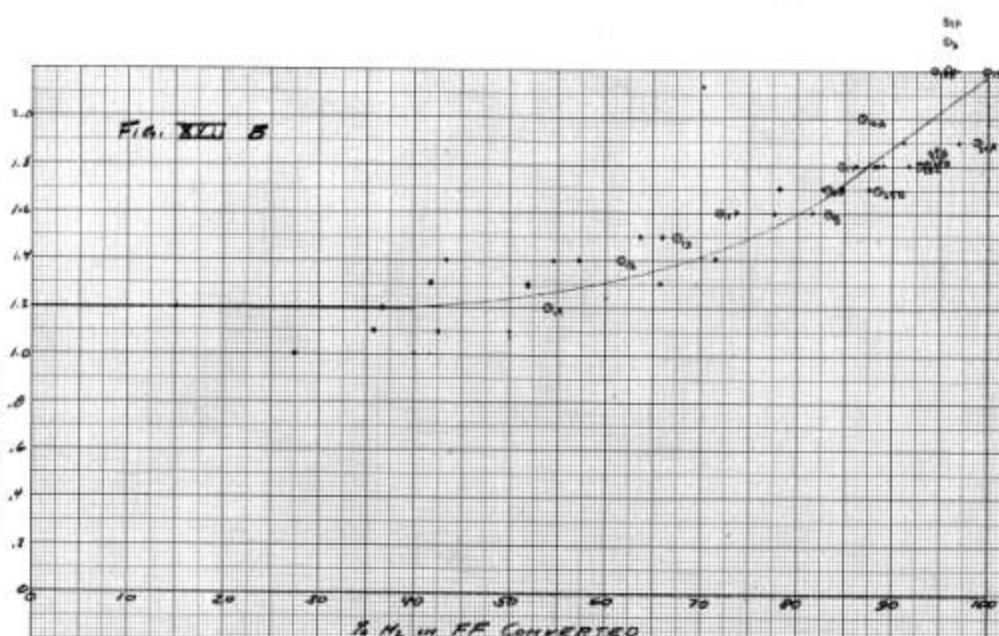
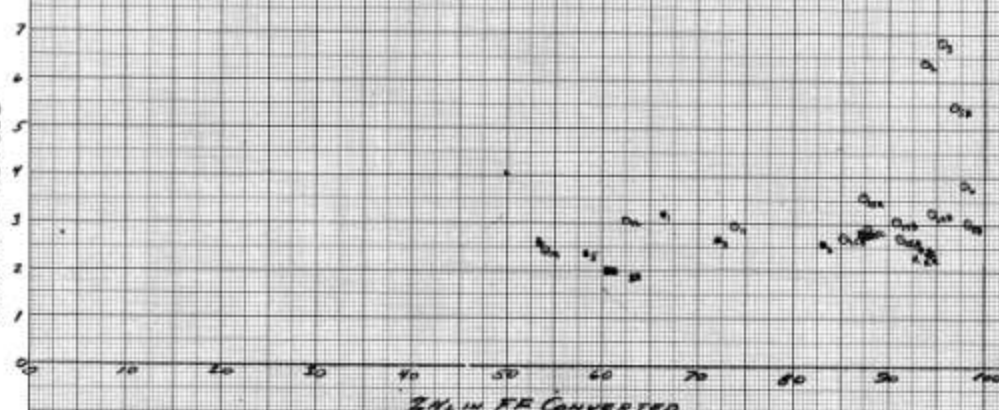


Fig. XVI B

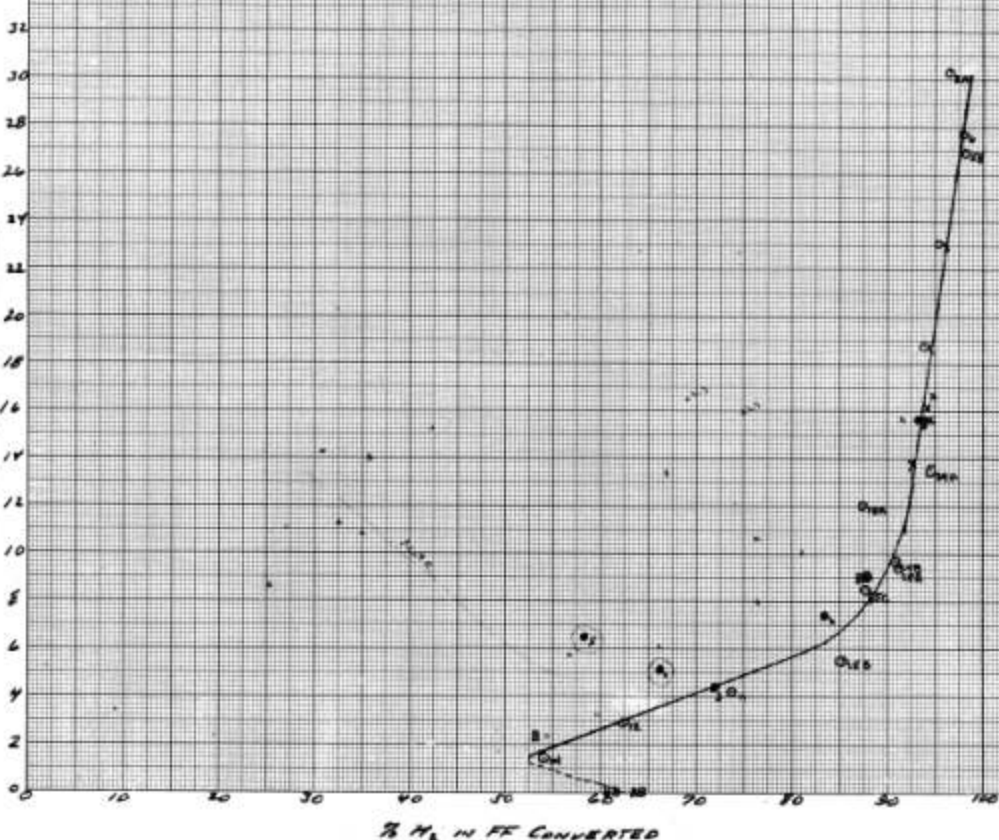
H_2 CO CONSUMED

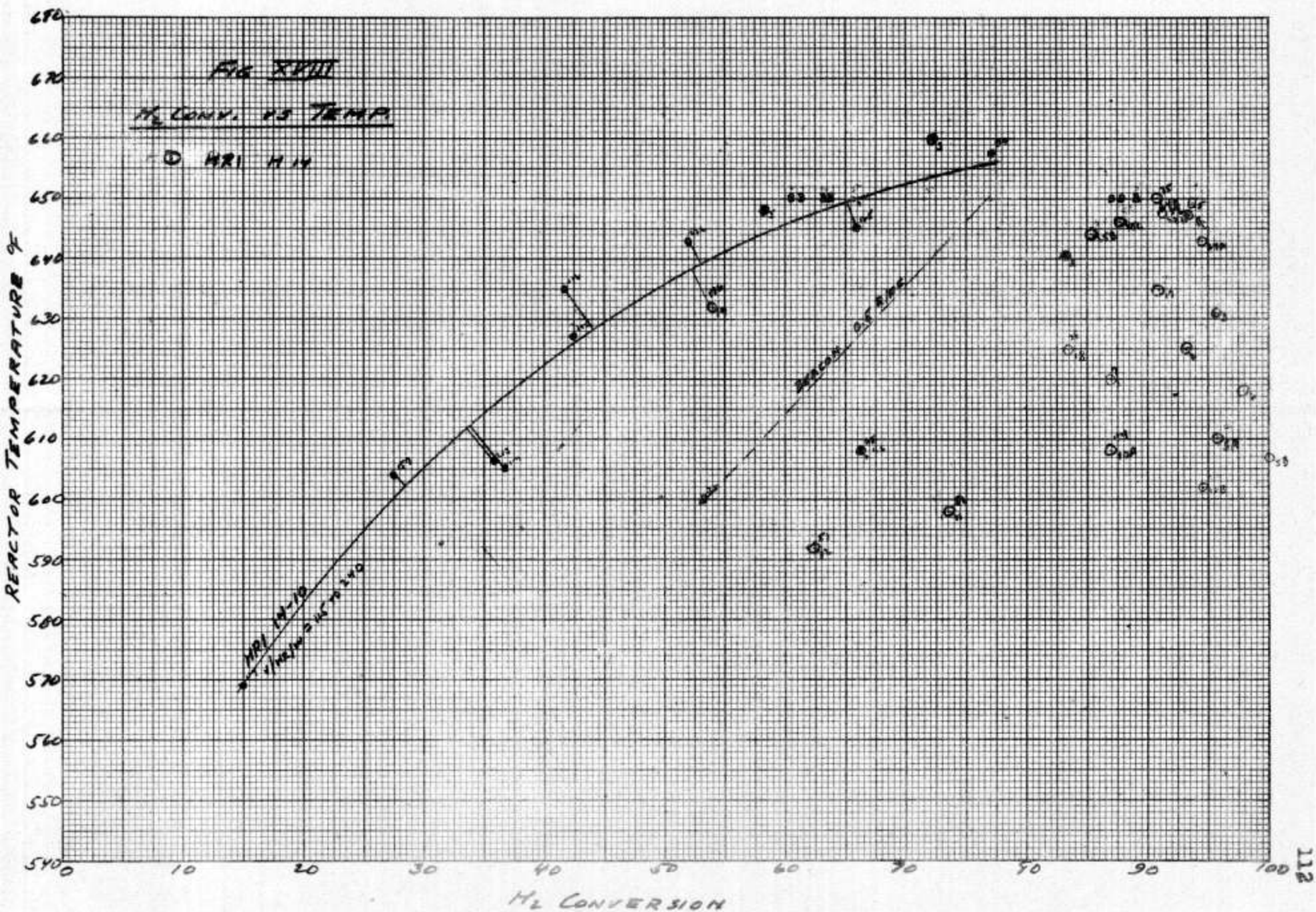


H_2 CO IN TOTAL FEED



% MATERIAL OTHER THAN H_2 , CO , CO_2 , CH_4 IN TOTAL FEED





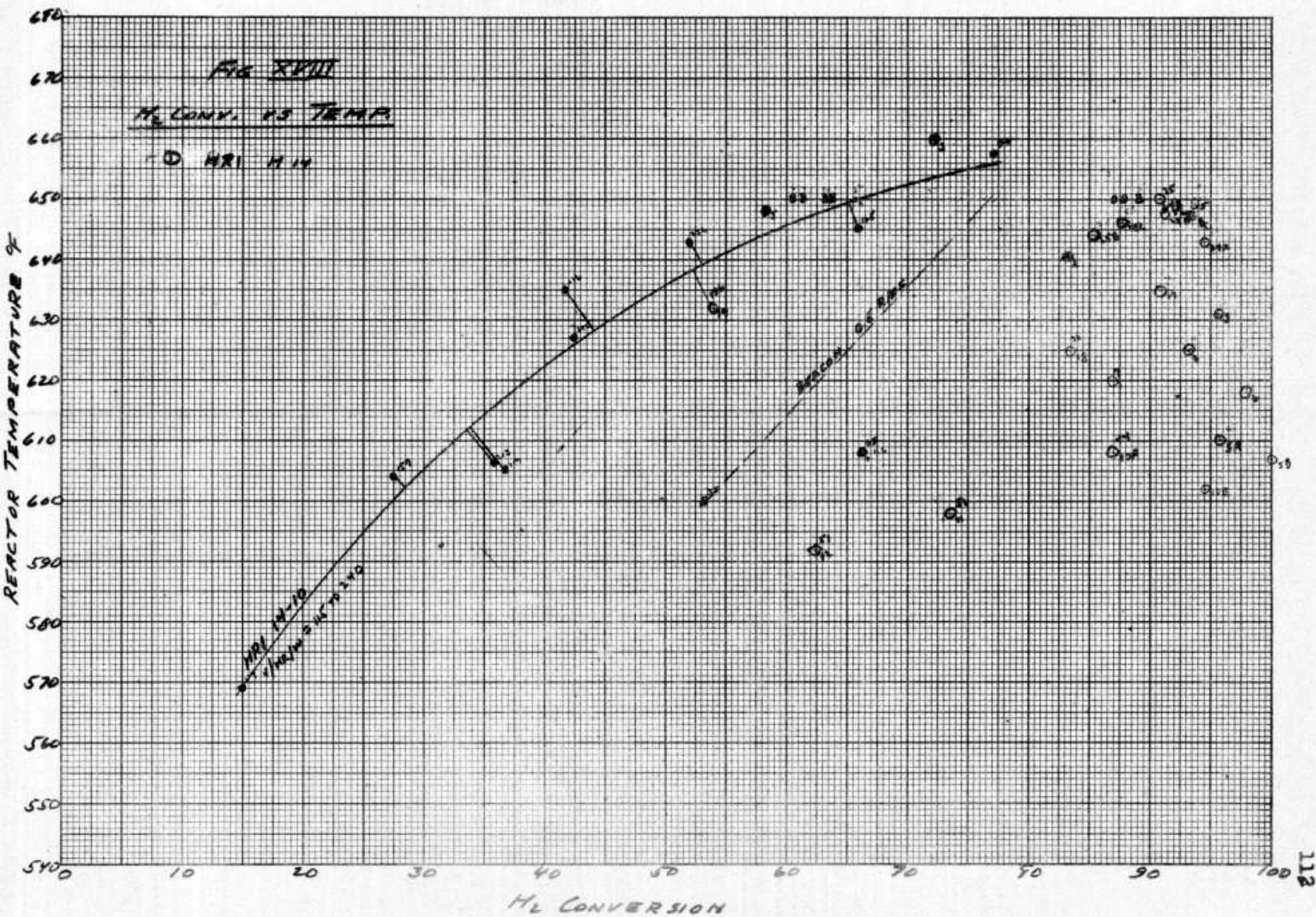


FIG. XVIII
H₂ CONV. VS. TEMP.

STANDARD DATA Δ

LAB. A $M_{H_2O} = 1$ $\square$

LAB. B $M_{H_2O} = 2$ $\bullet$

