FIGURE 51

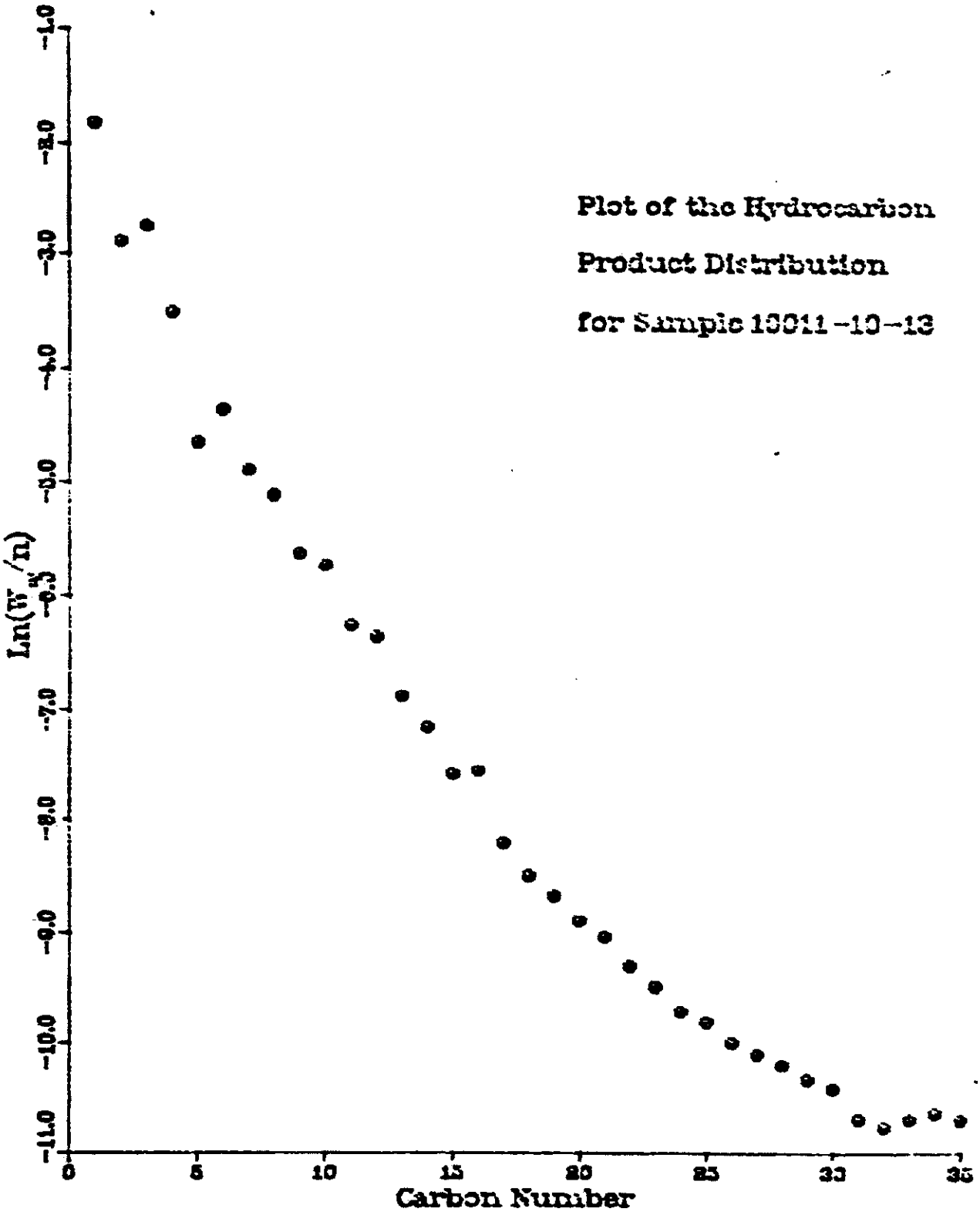
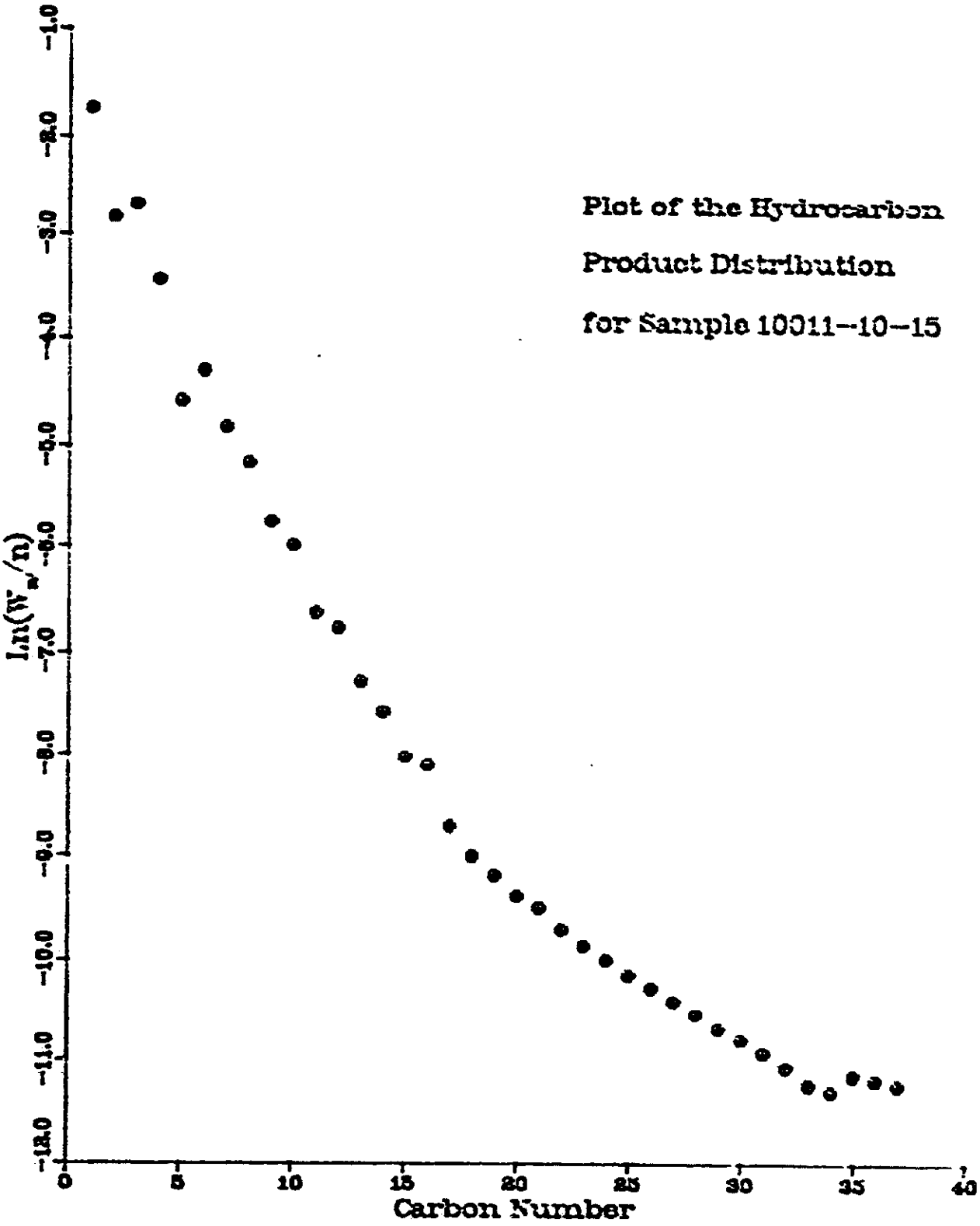
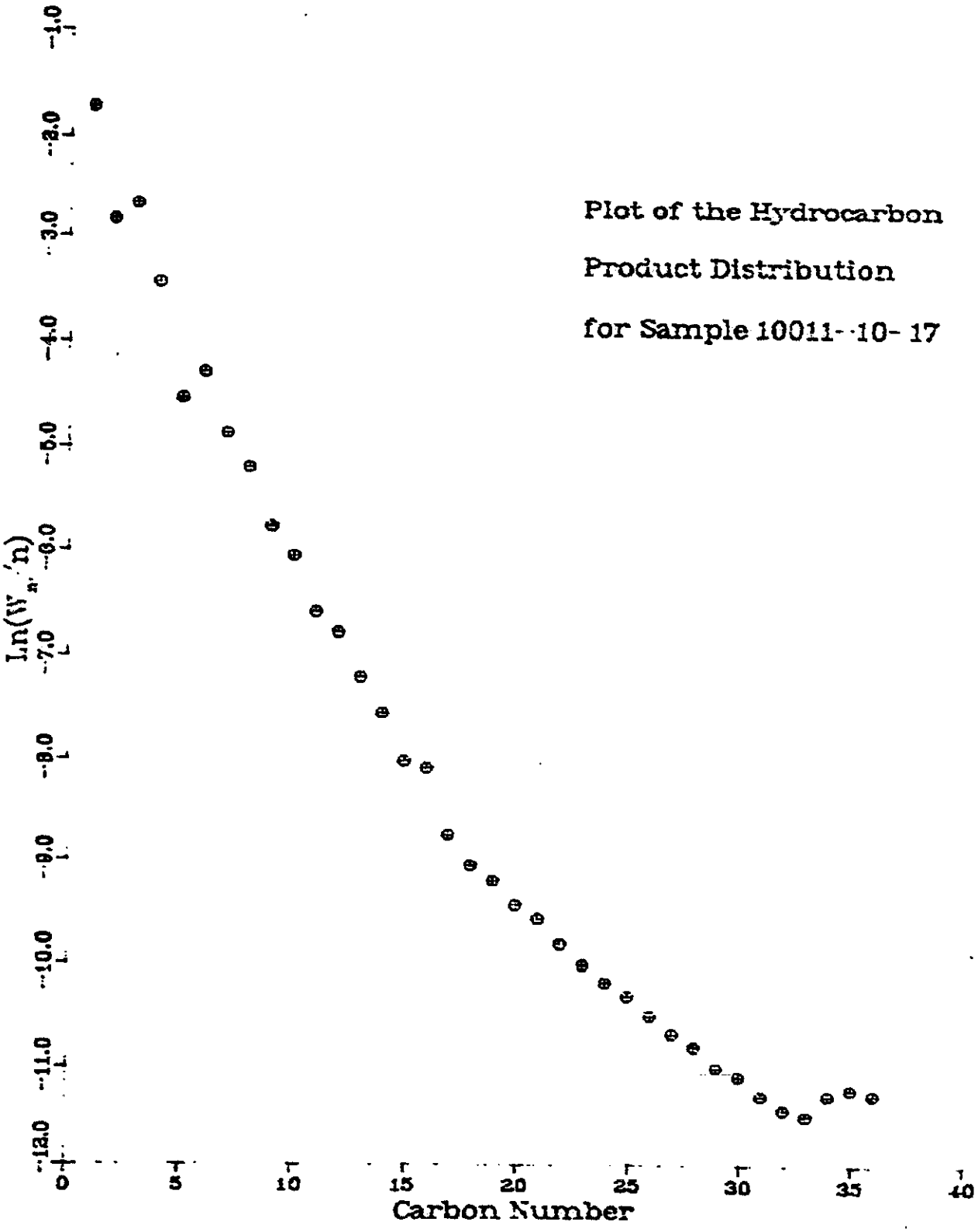

Plot of the Hydrocarbon
Product Distribution
for Sample 13011-10-13
Ln(W_n/n)
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.0
-9.0
-10.0
-11.0
0
5
10
15
20
25
30
35
Carbon Number

FIGURE 52



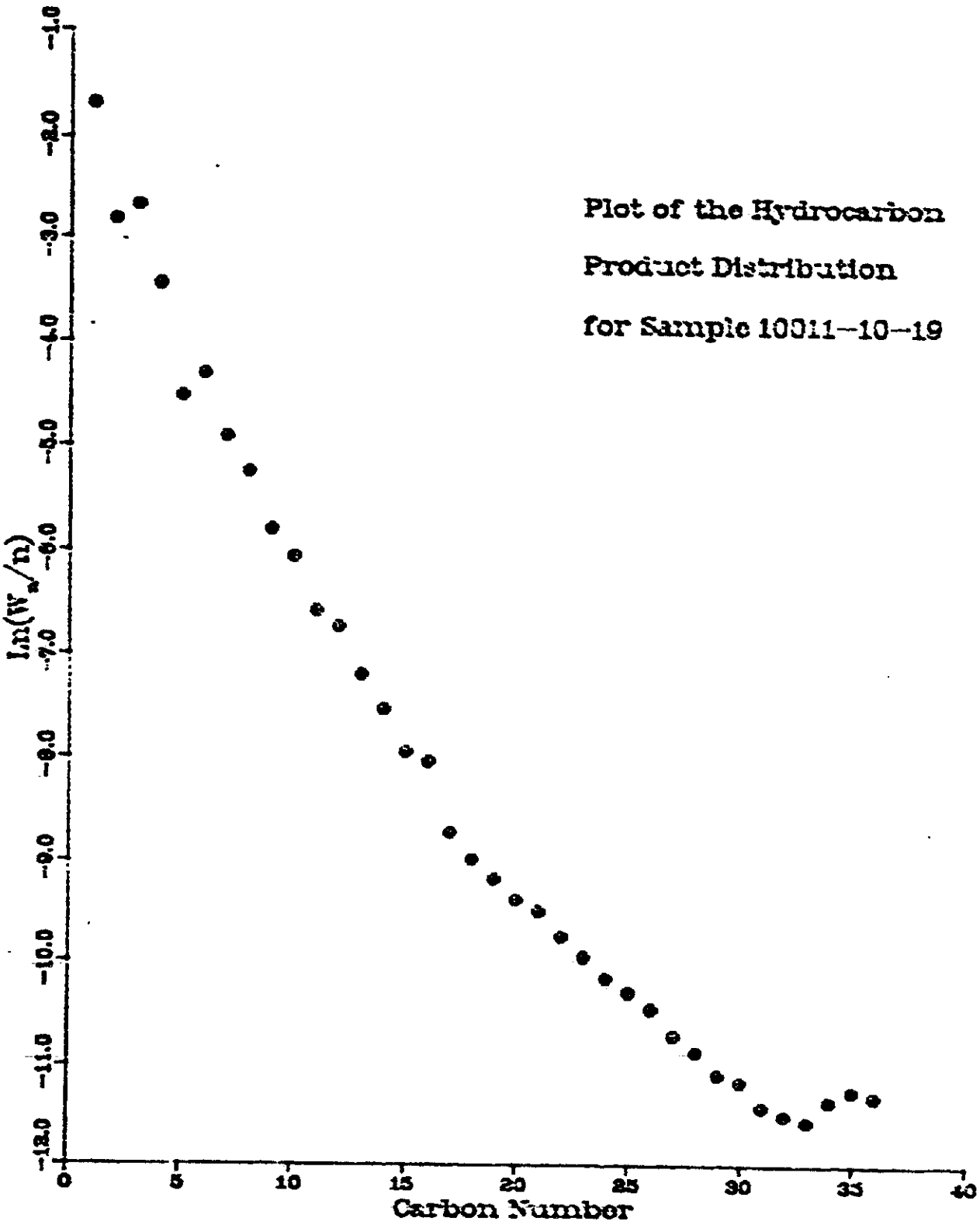
Plot of the Hydrocarbon Product Distribution for Sample 10011-10-15

FIGURE 53



Plot of the Hydrocarbon Product Distribution for Sample 10011--10- 17

FIGURE 54



Plot of the Hydrocarbon Product Distribution for Sample 10011-10-19

FIGURE 55

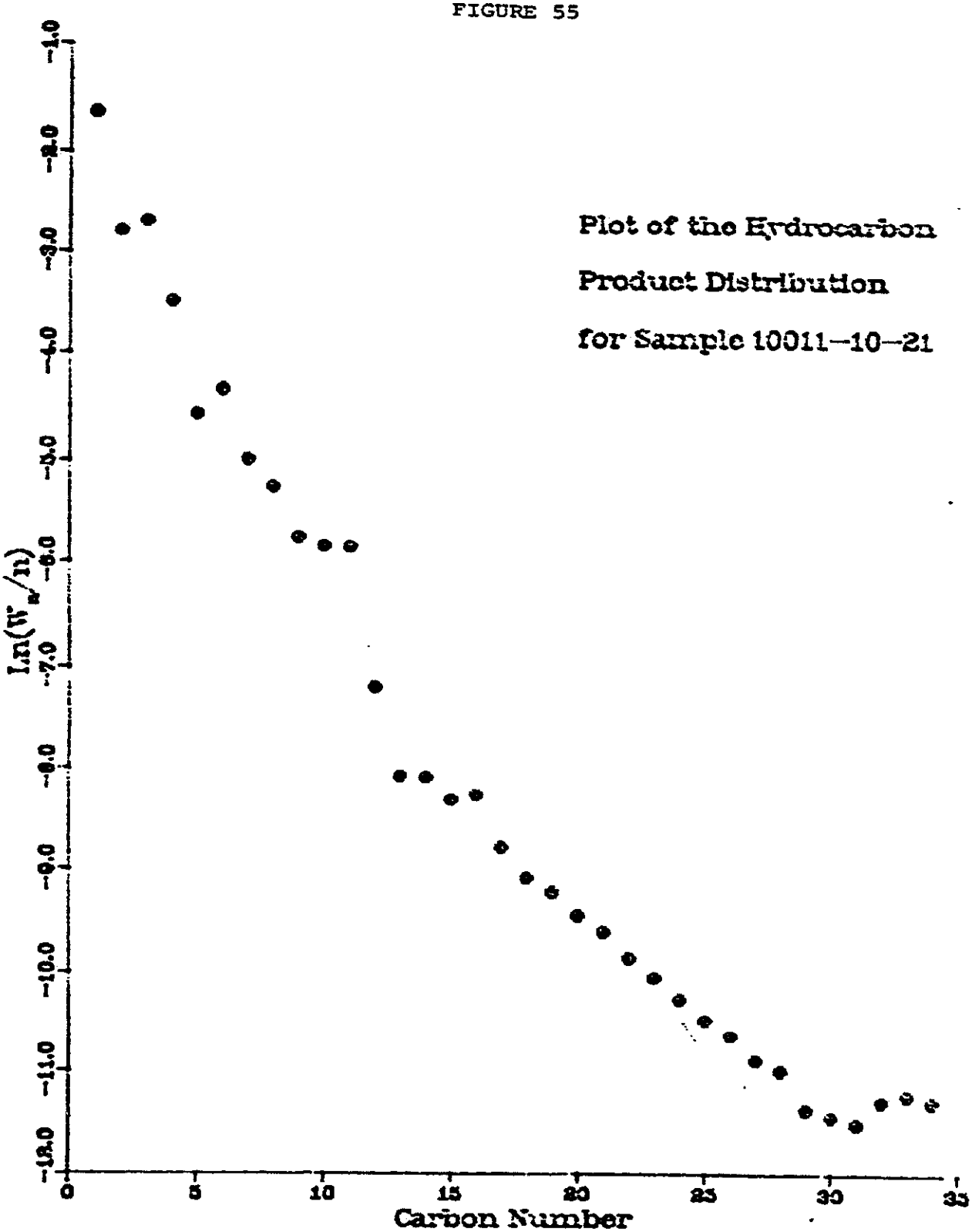

Plot of the Hydrocarbon
Product Distribution
for Sample 10011-10-21
Ln(W_n/n)
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.0
-9.0
-10.0
-11.0
-12.0
0
5
10
15
20
25
30
35
Carbon Number

FIGURE 56

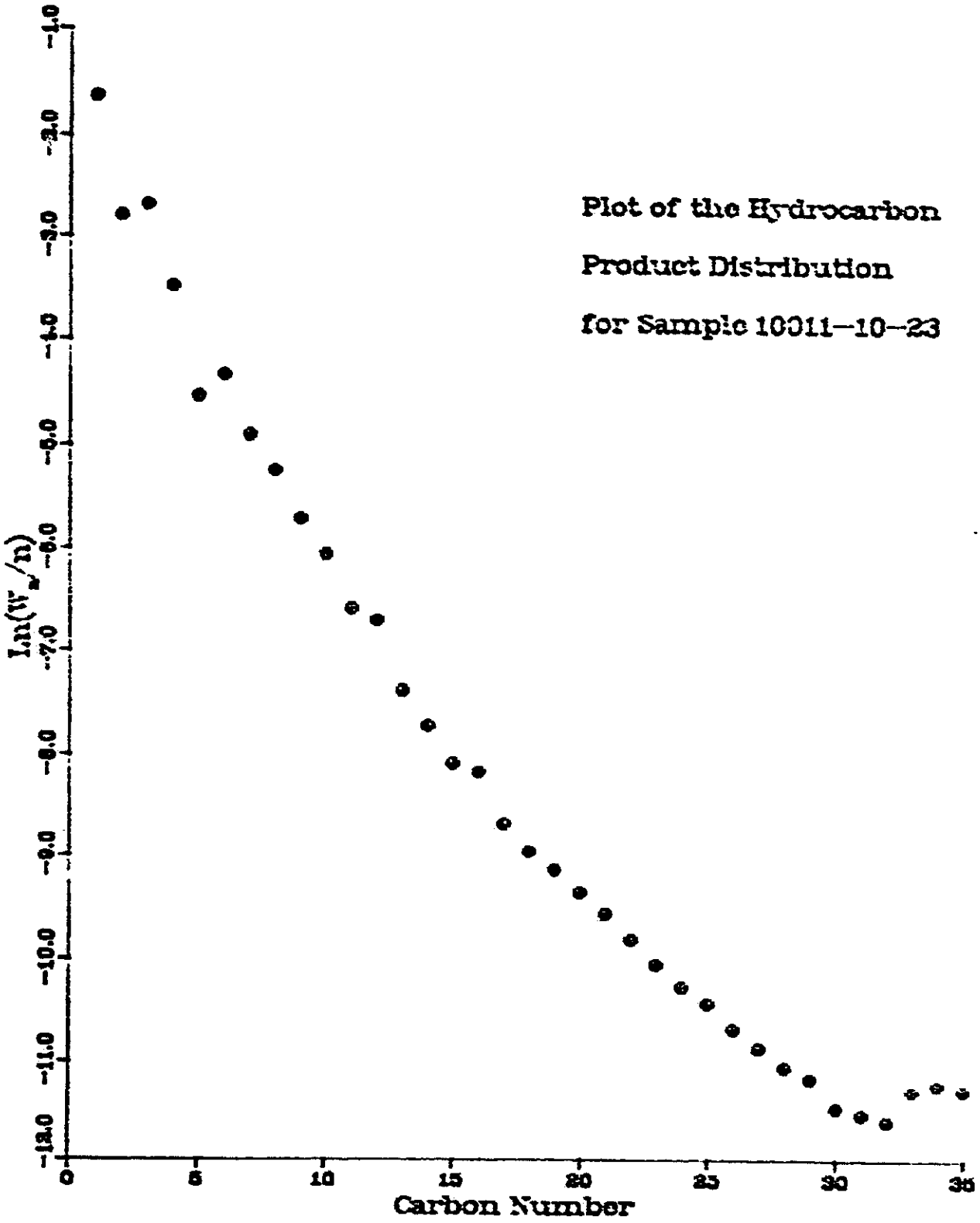
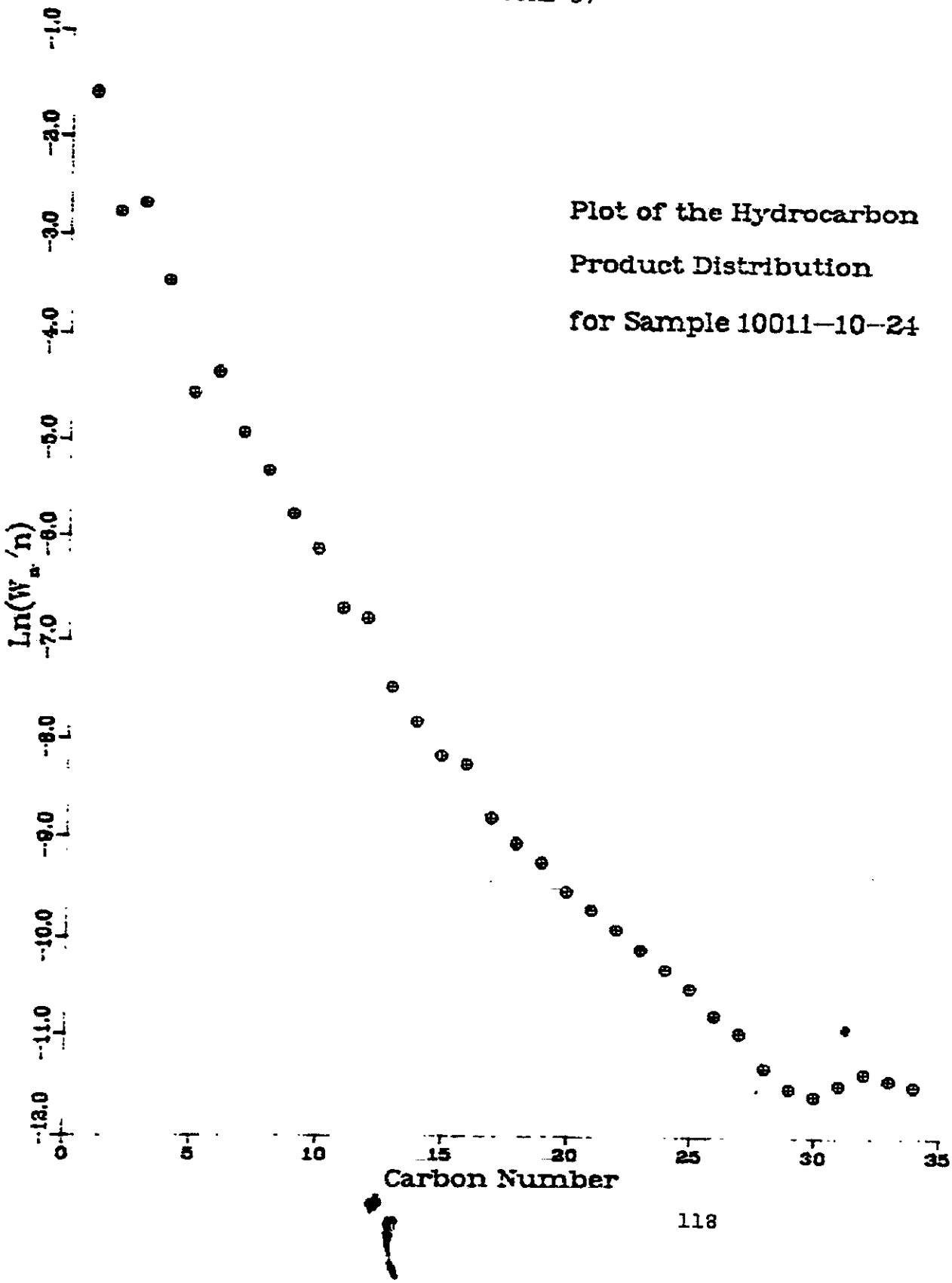

Plot of the Hydrocarbon
Product Distribution
for Sample 10011-10-23
ln(W_n/n)
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.0
-9.0
-10.0
-11.0
-12.0
0
5
10
15
20
25
30
35
Carbon Number

FIGURE 57



Plot of the Hydrocarbon Product Distribution for Sample 10011-10-24

FIGURE 58

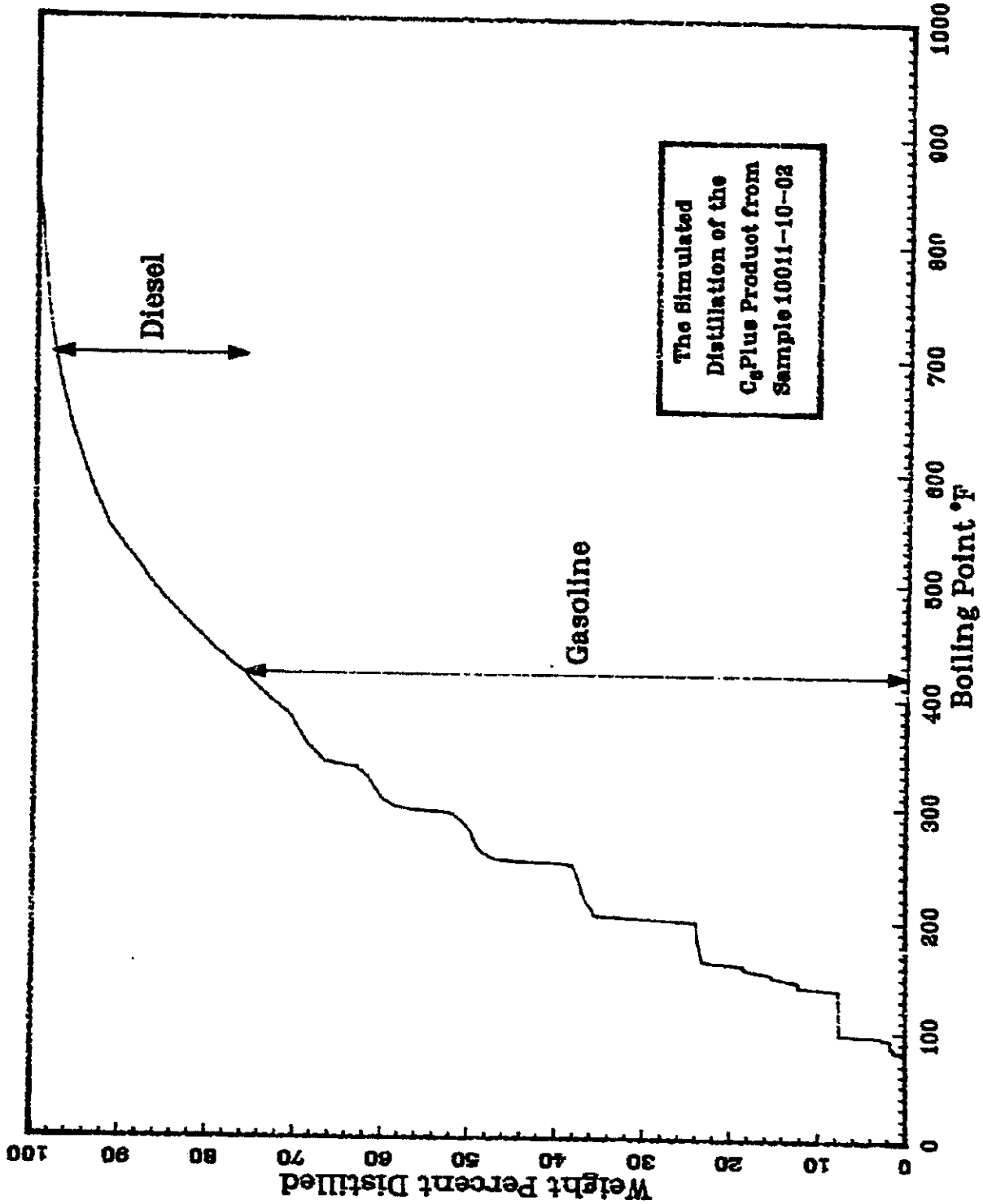

Diesel
Gasoline
The Simulated Distillation of the C6Plus Product from Sample 10011-10-02
Boiling Point °F
Weight Percent Distilled
0
100
200
300
400
500
600
700
800
900
1000
10
20
30
40
50
60
70
80
90
100

FIGURE 59

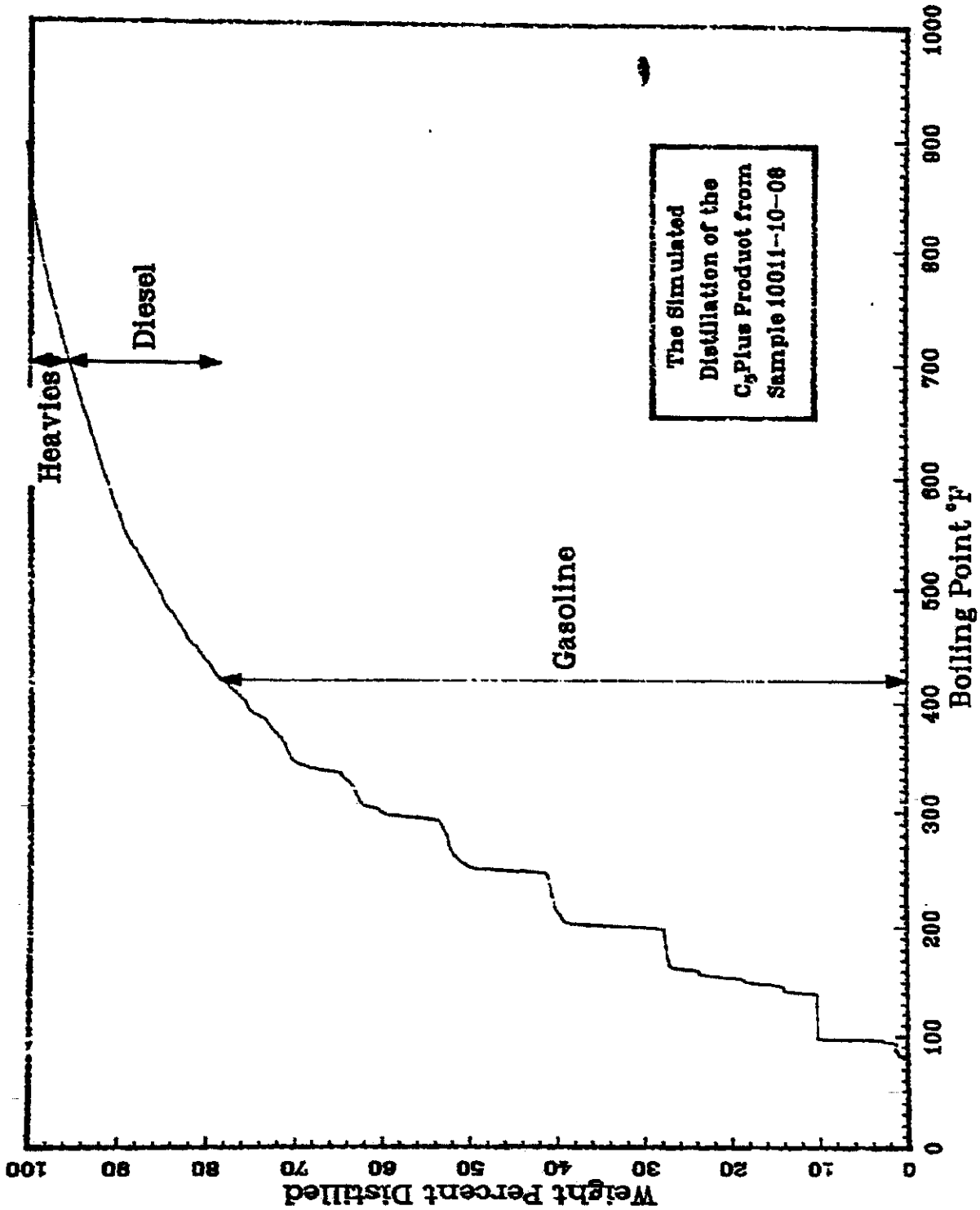

Heavies
Diesel
Gasoline
The Simulated Distillation of the C_5Plus Product from Sample 10011-10-08
Weight Percent Distilled
Boiling Point °F
0
10
20
30
40
50
60
70
80
90
100
0
100
200
300
400
500
600
700
800
900
1000

FIGURE 60

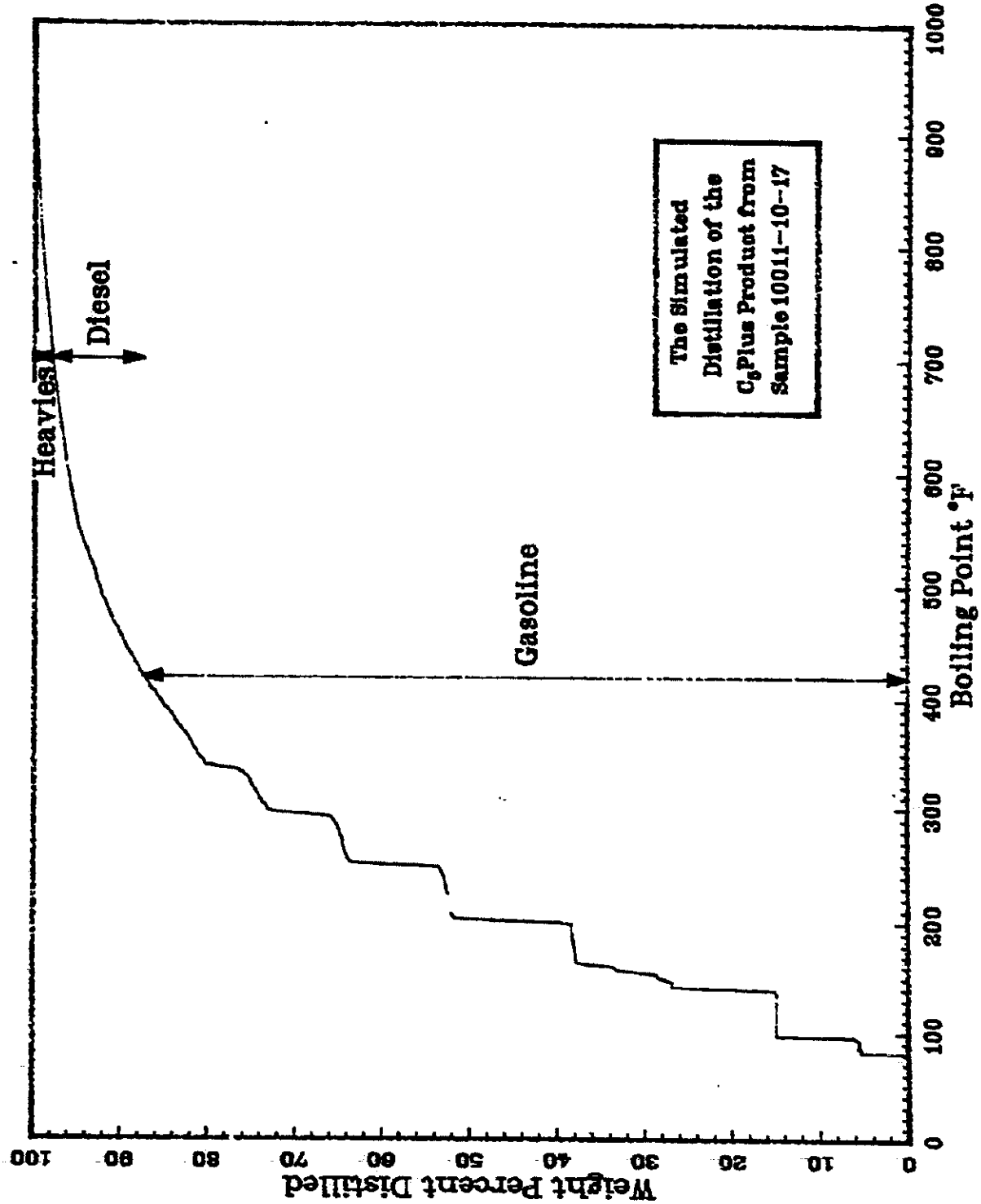

Heavies
Diesel
Gasoline
The Simulated Distillation of the C_5 Plus Product from Sample 10011-10-17
Weight Percent Distilled
Boiling Point °F
0
10
20
30
40
50
60
70
80
90
100
0
100
200
300
400
500
600
700
800
900
1000

FIGURE 61

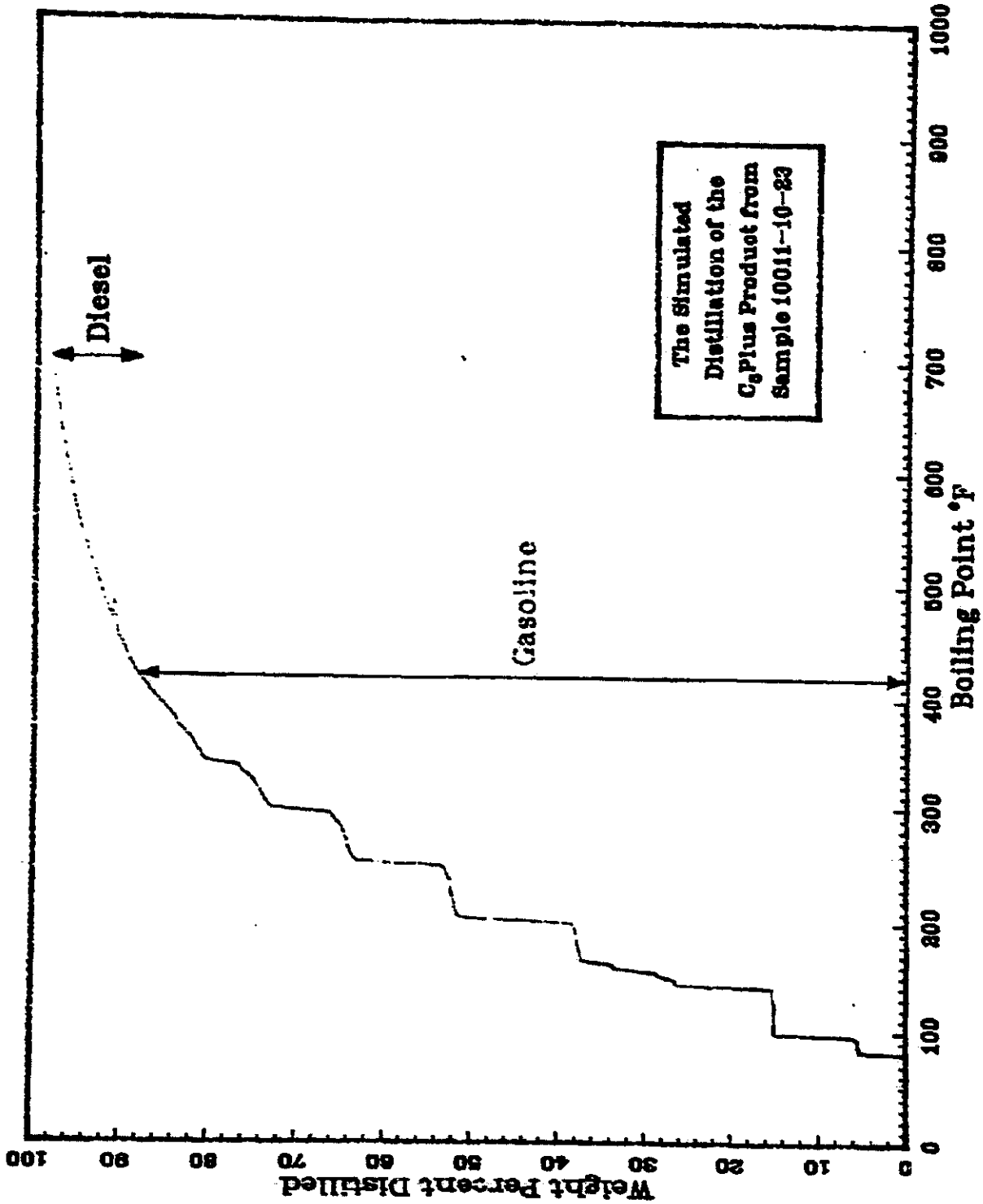

Diesel
Gasoline
The Simulated Distillation of the C5 Plus Product from Sample 10011-10-23
Boiling Point °F
Weight Percent Distilled
0
100
200
300
400
500
600
700
800
900
1000
10
20
30
40
50
60
70
80
90
100

FIGURE 62

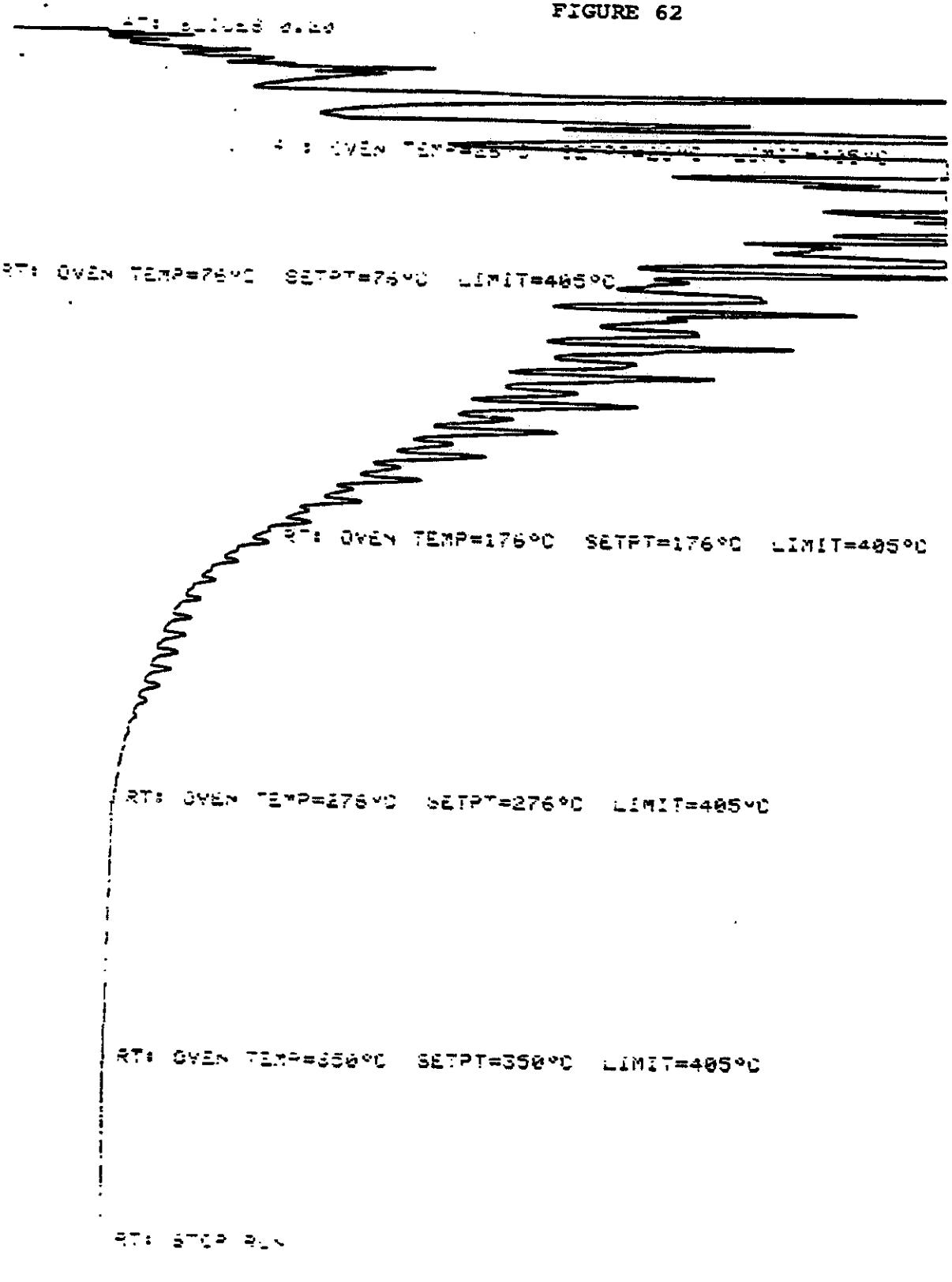

RT: OVEN TEMP=76°C SETPT=76°C LIMIT=405°C
RT: OVEN TEMP=176°C SETPT=176°C LIMIT=405°C
RT: OVEN TEMP=276°C SETPT=276°C LIMIT=405°C
RT: OVEN TEMP=350°C SETPT=350°C LIMIT=405°C

FIGURE 63

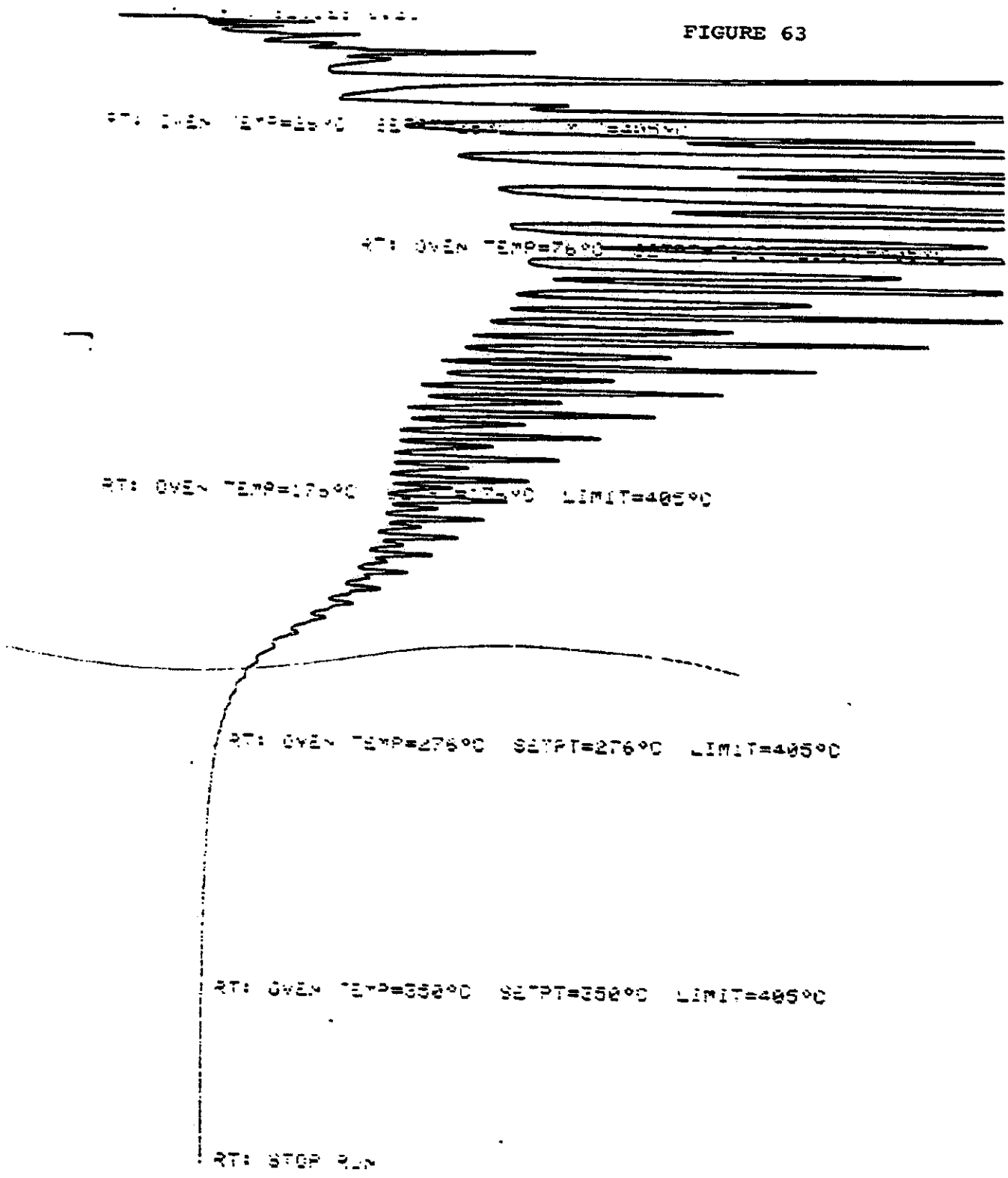

RT: OVEN TEMP=76°C
RT: OVEN TEMP=175°C LIMIT=405°C
RT: OVEN TEMP=276°C SETPT=276°C LIMIT=405°C
RT: OVEN TEMP=350°C SETPT=350°C LIMIT=405°C
RT: STOP RUN

FIGURE 64

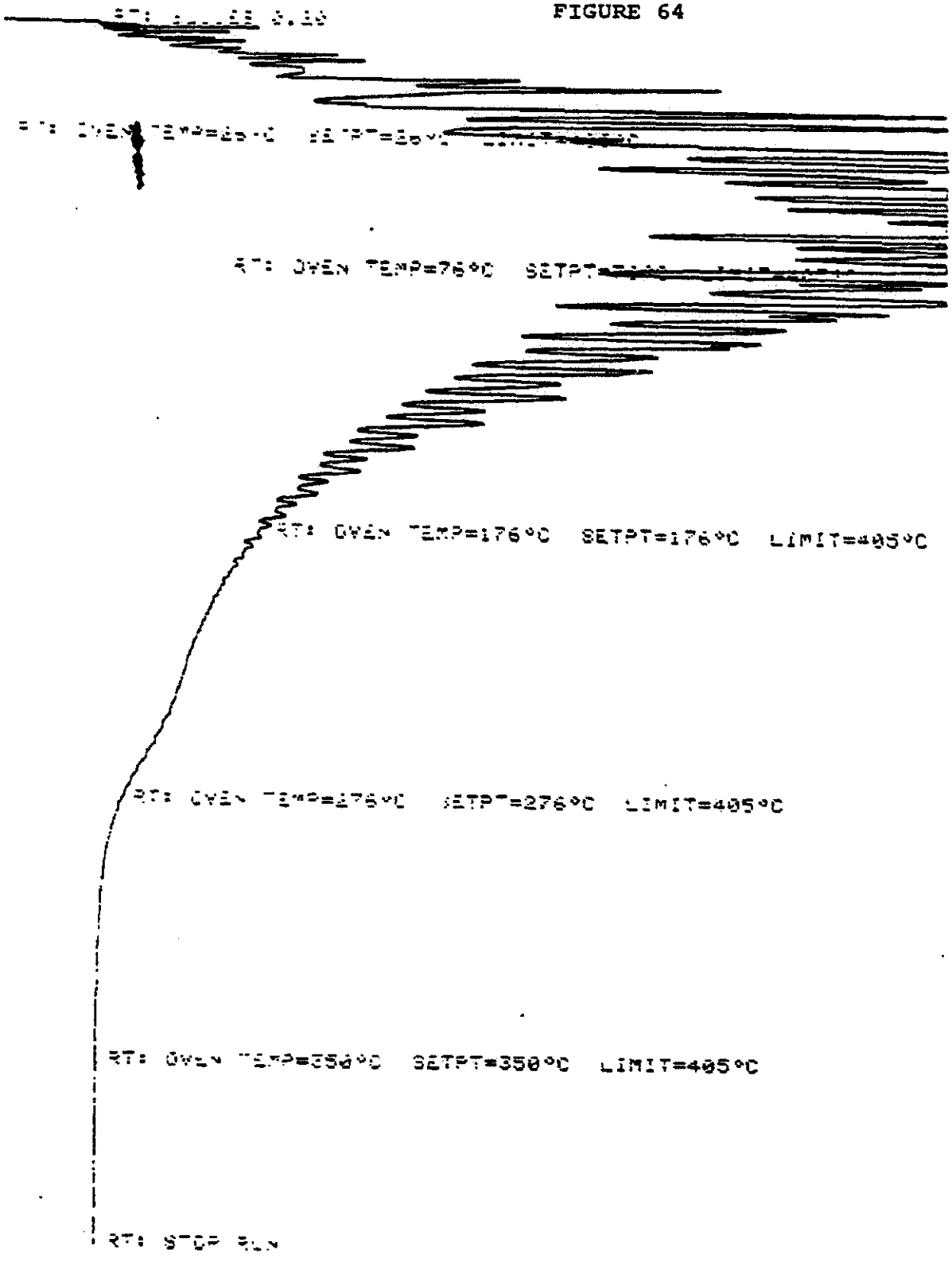

RT: OVEN TEMP=176°C SETPT=176°C LIMIT=405°C
RT: OVEN TEMP=276°C SETPT=276°C LIMIT=405°C
RT: OVEN TEMP=350°C SETPT=350°C LIMIT=405°C
RT: STOP RUN

FIGURE 65

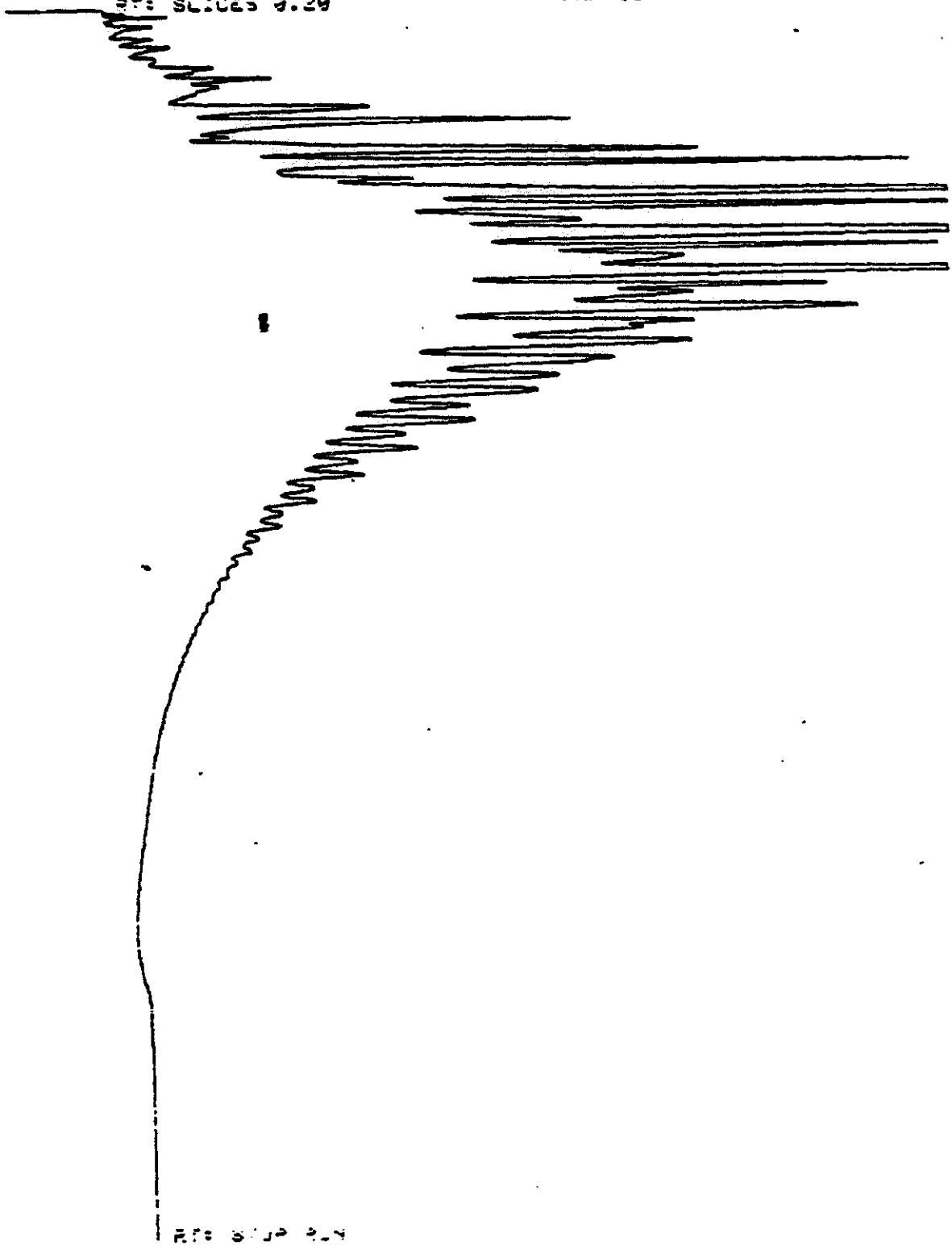


FIGURE 66

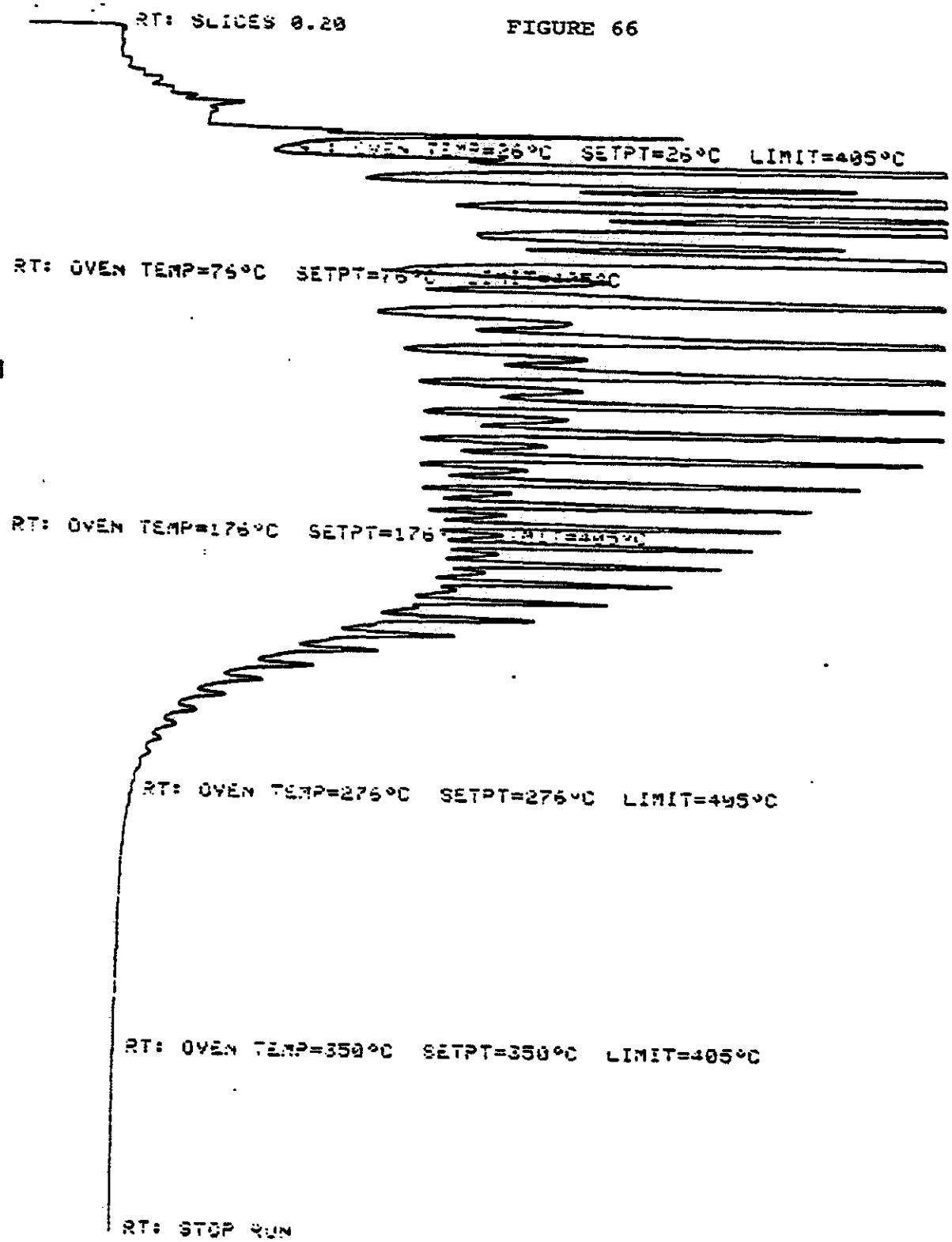

RT: SLICES 0.20
RT: OVEN TEMP=26°C SETPT=26°C LIMIT=405°C
RT: OVEN TEMP=76°C
RT: OVEN TEMP=176°C
RT: OVEN TEMP=276°C SETPT=276°C LIMIT=405°C
RT: OVEN TEMP=350°C SETPT=350°C LIMIT=405°C
RT: STOP RUN
SAMPLE:D 10011-9-7L

TABLE 10A RESULT OF SYNGAS OPERATION

RUN NO. 10011-10
CATALYST PPT(FE,K)+UCC-104 #9674-69 80CC 58.5G(58.0G AFTER RUN,-0.6 G)
FEED H2:CO:ARGON OF 50:50: 0 @ 400 CC/MN OR 300 GHSV

RUN & SAMPLE NO.	10011-10-01	011-10-02	011-10-03	011-10-04	011-10-05
FEED H2:CO:AR	50:50: 0	50:50: 0	50:50: 0	50:50: 0	50:50: 0
HRS ON STREAM	2.5	20.5	26.41	45.24	49.24
PRESSURE,PSIG	301	295	297	302	303
TEMP. C	254	255	255	255	256
FEED CC/MIN	400	400	400	400	400
HOURS FEEDING	2.50	20.50	5.91	24.74	4.00
EFFLNT GAS LITER	27.12	257.41	77.86	323.06	51.86
GM AQUEOUS LAYER	1.51	12.41	3.06	12.80	2.02
GM OIL	1.80	14.76	4.34	18.18	2.83
MATERIAL BALANCE					
GM ATOM CARBON %	88.82	96.68	100.47	99.84	98.72
GM ATOM HYDROGEN %	94.05	98.95	101.45	102.92	99.92
GM ATOM OXYGEN %	91.67	106.97	111.00	109.17	108.78
RATIO CHX/(H2O+CO2)	0.9408	0.8112	0.8113	0.8321	0.8153
RATIO X IN CHX	2.3941	2.4218	2.4447	2.4503	2.4737
USAGE H2/CO PRODT	0.7264	0.6556	0.6425	0.6545	0.6516
RATIO CO2/(H2O+CO2)	0.8232	0.8387	0.8583	0.8582	0.8579
K SHIFT IN EFFLNT	37.19	28.26	31.72	39.59	29.30
CONVERSION					
ON CO %	95.58	93.03	92.74	94.13	92.21
ON H2 %	66.67	63.00	62.34	62.73	62.64
ON CO+H2 %	80.71	77.84	77.46	78.19	77.34
PRDT SELECTIVITY,WT %					
CH4	13.22	13.23	14.04	14.39	14.86
C2 HC'S	10.28	10.33	10.63	10.43	10.87
C3H8	4.72	8.17	8.61	8.26	9.58
C3H6=	11.10	9.28	9.19	6.81	7.69
C4H10	3.30	3.48	3.81	3.60	4.08
C4H8=	9.15	8.87	9.01	7.17	8.16
C5H12	3.47	2.89	3.10	3.12	3.32
C5H10=	0.32	0.64	0.56	0.63	0.69
C6H14	5.91	3.65	3.29	3.90	3.58
C6H12= & CYCLO'S	3.82	3.45	3.24	4.05	3.51
C7+ IN GAS	12.39	13.20	11.81	15.42	11.40
LIQ HC'S	22.33	22.81	22.69	22.21	22.27

TOTAL	100.00	100.00	100.00	100.00	100.00
SUB-GROUPING					
C1 -C4	51.76	53.36	55.30	50.67	55.23
C5 -420 F	38.19	35.46	34.49	48.40	34.74
420-700 F	7.81	10.18	7.94	0.93	7.79
700-END PT	2.23	1.00	2.27	0.00	2.23
C5+-END PT	48.24	46.64	44.70	49.33	44.77
ISO/NORMAL MOLE RATIO					
C4	0.3287	0.1144	0.1000	0.0901	0.0896
C5	0.9389	0.2775	0.2568	0.1887	0.1925
C6	3.8677	1.4615	1.1340	0.8118	0.9154
C4=	0.0852	0.0719	0.0765	0.0761	0.0782
PARAFFIN/OLEFIN RATIO					
C3	0.4064	0.8400	0.8940	1.1576	1.1896
C4	0.3478	0.3784	0.4086	0.4852	0.4824
C5	10.7028	4.3654	5.4034	4.8451	4.6964
LIQ HC COLLECTION					
PHYS. APPEARANCE	---	CLEAR OIL	---	CLEAR OIL	---
DENSITY	---	0.765	---	0.762	---
N, REFRACTIVE INDEX	---	1.4329	---	1.4312	---
SIMULT'D DISTILATN					
10 WT % @ DEG F	---	254	---	142	---
16	---	282	---	163	---
50	---	415	---	253	---
84	---	557	---	345	---
90	---	618	---	375	---
RANGE(16-84 %)	---	275	---	182	---
WT % @ 420 F	---	51.00	---	95.80	---
WT % @ 700 F	---	95.60	---	100.00	---

TABLE 10B RESULT OF SYNGAS OPERATION

RUN NO. 10011-10
CATALYST PPT(FE,K)+UCC-104 #9674-69 80CC 58.5G (58.0G AFTER RUN,-0.6G)
FEED H2:CO:ARGON OF 50:50: 0 @ 400 CC/MN OR 300 GHSV

RUN & SAMPLE NO.	10011-10-06	011-10-07	011-10-08	011-10-09	011-10-10
FEED H2:CO:AR	50:50: 0	50:50: 0	50:50: 0	50:50: 0	50:50: 0
HRS ON STREAM	69.66	73.24	91.91	99.41	115.58
PRESSURE,PSIG	300	297	299	297	298
TEMP. C	255	255	255	280	280
FEED CC/MIN	400	400	400	400	400
HOURS FEEDING	24.42	3.58	22.25	7.50	16.17
EFFLNT GAS LITER	318.59	46.66	291.95	94.97	204.96
GM AQUEOUS LAYER	12.35	1.69	10.49	4.37	9.24
GM OIL	17.25	2.14	13.30	5.16	9.69
MATERIAL BALANCE					
GM ATOM CARBON %	94.04	96.82	97.35	102.04	100.54
GM ATOM HYDROGEN %	104.91	98.21	97.98	102.08	101.54
GM ATOM OXYGEN %	96.52	107.81	108.88	109.78	108.92
RATIO CHX/(H2O+CO2)	0.9512	0.7936	0.7846	0.8607	0.8475
RATIO X IN CHX	2.4370	2.5161	2.5239	2.5209	2.5809
USAGE H2/CO PRODT	0.7195	0.6464	0.6429	0.6973	0.7044
RATIO CO2/(H2O+CO2)	0.8474	0.8617	0.8622	0.8461	0.8466
K SHIFT IN EFFLNT	78.73	27.17	25.55	25.63	24.47
CONVERSION					
ON CO %	97.13	91.08	90.54	93.02	92.59
ON H2 %	63.50	61.66	61.62	67.48	67.48
ON CO+H2 %	79.40	76.27	76.03	80.24	79.98
PRDT SELECTIVITY,WT %					
CH4	13.67	16.20	16.54	15.93	17.63
C2 HC'S	9.21	11.20	11.22	11.42	12.13
C3H8	8.29	10.67	10.78	11.63	13.48
C3H6=	6.18	6.98	6.31	6.47	5.02
C4H10	4.13	4.64	4.65	4.77	5.56
C4H8=	7.45	7.81	7.22	7.39	6.17
C5H12	4.24	3.75	3.77	3.56	3.96
C5H10=	0.77	0.70	0.67	0.51	0.38
C6H14	4.79	3.69	3.69	4.32	4.43
C6H12= & CYCLO'S	4.48	3.23	3.21	3.11	2.17
C7+ IN GAS	16.34	11.43	12.15	10.88	11.22
LIQ HC'S	20.47	19.68	19.80	20.01	17.83

TOTAL	100.00	100.00	100.00	100.00	100.00
SUB-GROUPING					
C1 -C4	48.92	57.50	56.71	57.61	60.00
C5 -420 F	41.46	33.64	33.65	32.61	31.98
420-700 F	7.78	6.89	7.53	7.04	6.24
700-END PT	1.84	1.97	2.12	2.74	1.78
C5+-END PT	51.08	42.50	43.29	42.39	40.00
ISO/NORMAL MOLE RATIO					
C4	0.0737	0.0763	0.0717	0.1162	0.1023
C5	0.1772	0.1640	0.1472	0.3145	0.3219
C6	0.7309	0.7379	0.6495	1.6193	1.5523
C4=	0.0816	0.0804	0.0800	0.1063	0.1144
PARAFFIN/OLEFIN RATIO					
C3	1.2796	1.4597	1.6305	1.7159	2.5637
C4	0.5348	0.5739	0.6219	0.6231	0.8692
C5	5.3485	5.1986	5.4869	6.7652	10.1714
LIQ HC COLLECTION					
PHYS. APPEARANCE					
DENSITY	0.760	---	0.757	0.765	---
N, REFRACTIVE INDEX	1.4284	---	1.4286	1.4336	---
SIMULT'D DISTILATN					
10 WT % @ DEG F	256	---	257	254	---
16	287	---	293	288	---
50	410	---	416	415	---
84	622	---	638	676	---
90	688	---	708	738	---
RANGE(16-84 %)	335	---	345	388	---
WT % @ 420 F	53.00	---	51.30	51.10	---
WT % @ 700 F	91.00	---	89.30	86.30	---

TABLE 10C RESULT OF SYNGAS OPERATION

RUN NO. 10011-10
CATALYST PPT(FE,K)+UCC-104 #9674-69 80CC 58.5G (58.0G AFTER RUN,-0.6G)
FEED H2:CO:ARGON OF 50:50: 0 @ 400 CC/MN OR 300 GHSV

RUN & SAMPLE NO.	10011-10-11	011-10-12	011-10-13	011-10-14	011-10-15
FEED H2:CO:AR	50:50: 0	50:50: 0	50:50: 0	50:50: 0	50:50: 0
HRS ON STREAM	123.41	140.74	146.49	163.49	170.57
PRESSURE,PSIG	300	298	300	296	301
TEMP. C	280	280	280	280	280
FEED CC/MIN	400	400	400	400	400
HOURS FEEDING	24.00	17.33	23.08	17.00	24.08
EFFLNT GAS LITER	305.06	219.49	292.45	214.83	305.20
GM AQUEOUS LAYER	13.71	8.86	11.80	8.48	12.01
GM OIL	14.38	11.33	15.09	7.00	9.91
MATERIAL BALANCE					
GM ATOM CARBON %	105.01	104.65	106.26	101.96	104.19
GM ATOM HYDROGEN %	107.43	107.96	108.36	104.47	106.45
GM ATOM OXYGEN %	107.64	105.42	106.60	105.92	106.26
RATIO CHX/(H2O+CO2)	0.9517	0.9855	0.9936	0.9254	0.9612
RATIO X IN CHX	2.5525	2.5725	2.5753	2.6372	2.6273
USAGE H2/CO PRODT	0.7521	0.7657	0.7690	0.7493	0.7648
RATIO CO2/(H2O+CO2)	0.8451	0.8538	0.8552	0.8569	0.8572
K SHIFT IN EFFLNT	24.97	26.94	26.20	26.60	26.11
CONVERSION					
ON CO %	93.16	93.16	93.19	92.94	93.04
ON H2 %	69.41	69.42	70.40	69.39	70.39
ON CO+H2 %	81.15	81.11	81.69	81.02	81.60
PRDT SELECTIVITY,WT %					
CH4	15.80	16.34	16.35	18.19	17.72
C2 HC'S	11.00	11.15	11.24	12.31	11.98
C3H8	14.65	15.60	15.49	16.98	16.91
C3H6=	5.00	4.12	3.93	3.63	3.70
C4H10	6.13	6.63	6.60	7.23	7.46
C4H8=	6.48	5.67	5.46	5.10	5.31
C5H12	4.56	4.59	4.61	4.89	5.00
C5H10=	0.40	0.33	0.27	0.23	0.23
C6H14	5.22	4.66	5.41	5.75	5.94
C6H12= & CYCLO'S	2.12	2.18	2.24	2.20	2.24
C7+ IN GAS	12.59	11.36	11.36	11.93	12.41
LIQ HC'S	16.06	17.35	17.03	11.55	11.09

TOTAL	100.00	100.00	100.00	100.00	100.00
SUB-GROUPING					
C1 -C4	59.05	59.52	59.08	63.45	63.09
C5 -420 F	33.75	32.67	33.65	31.35	32.12
420-700 F	5.48	6.07	6.00	4.04	3.81
700-END PT	1.72	1.74	1.28	1.16	0.99
C5+-END PT	40.95	40.48	40.92	36.55	36.91
ISO/NORMAL MOLE RATIO					
C4	0.1027	0.1056	0.1076	0.1066	0.1133
C5	0.3387	0.4240	0.4765	0.5358	0.5581
C6	1.6440	1.8979	2.1272	2.3076	2.3719
C4=	0.1181	0.1317	0.1374	0.1503	0.1571
PARAFFIN/OLEFIN RATIO					
C3	2.7982	3.6114	3.7623	4.4631	4.3596
C4	0.9131	1.1282	1.1658	1.3689	1.3558
C5	11.1092	13.5201	16.9120	20.4353	21.5342
LIQ HC COLLECTION					
PHYS. APPEARANCE	GREEN OIL	---	GREEN OIL	---	GREEN OIL
DENSITY	0.765	---	0.762	---	0.765
N, REFRACTIVE INDEX	1.4329	---	1.4323	---	1.4316
SIMULT'D DISTILAIN					
10 WT % @ DEG F	253	---	253	---	252
16	286	---	286	---	287
50	403	---	397	---	398
84	622	---	577	---	591
90	711	---	657	---	681
RANGE(16-84 %)	336	---	291	---	304
WT % @ 420 F	55.20	---	57.30	---	56.80
WT % @ 700 F	89.30	---	92.50	---	91.10

TABLE 10D RESULT OF SYNGAS OPERATION

RUN NO. 10011-10
CATALYST PPT(FE,K)+UCC-104 #9674-69 80CC 58.5G (58.0G AFTER RUN,-0.6G)
FEED H2:CO:ARGON OF 50:50: 0 @ 400 CC/MN OR 300 GHSV

RUN & SAMPLE NO.	10011-10-16	011-10-17	011-10-18	011-10-19	011-10-20
FEED H2:CO:AR	50:50: 0	50:50: 0	50:50: 0	50:50: 0	50:50: 0
HRS ON STREAM	187.49	195.86	212.91	215.99	235.32
PRESSURE,PSIG	301	299	294	297	295
TEMP. C	281	281	281	281	281
FEED CC/MIN	400	400	400	400	400
HOURS FEEDING	16.92	25.29	17.05	20.13	19.33
EFFLNT GAS LITER	215.26	324.18	221.56	261.44	244.35
GM AQUEOUS LAYER	8.06	12.04	7.63	9.01	8.70
GM OIL	6.88	10.28	7.19	8.49	7.84
MATERIAL BALANCE					
GM ATOM CARBON %	104.36	106.60	107.65	107.61	102.95
GM ATOM HYDROGEN %	106.20	109.26	110.05	109.73	105.21
GM ATOM OXYGEN %	106.68	106.42	107.53	107.76	105.25
RATIO CHX/(H2O+CO2)	0.9565	1.0034	1.0024	0.9973	0.9561
RATIO X IN CHX	2.6428	2.6389	2.6567	2.6532	2.6751
USAGE H2/CO PRODT	0.7619	0.7851	0.7817	0.7796	0.7667
RATIO CO2/(H2O+CO2)	0.8620	0.8612	0.8676	0.8679	0.8655
K SHIFT IN EFFLNT	26.87	26.36	27.63	27.55	27.22
CONVERSION					
ON CO %	93.02	93.05	92.98	92.98	92.88
ON H2 %	70.47	71.22	71.06	71.14	70.52
ON CO+H2 %	81.65	82.00	81.90	81.95	81.58
PRDT SELECTIVITY,WT %					
CH4	18.36	17.98	18.40	18.55	19.57
C2 HC'S	12.26	11.85	11.95	12.02	12.62
C3H8	17.11	17.52	17.81	17.72	17.65
C3H6=	3.30	3.42	3.20	3.15	2.91
C4H10	7.44	7.77	7.91	7.89	7.67
C4H8=	4.74	5.03	4.84	4.79	4.32
C5H12	4.88	5.24	5.20	5.28	5.00
C5H10=	0.20	0.21	0.20	0.19	0.18
C6H14	5.82	6.10	6.11	6.01	5.67
C6H12= & CYCLO'S	2.12	2.15	2.08	2.08	1.93
C7+ IN GAS	12.77	12.21	11.46	11.45	11.33
LIQ HC'S	10.99	10.51	10.84	10.87	11.13

TOTAL	100.00	100.00	100.00	100.00	100.00
SUB-GROUPING					
C1 -C4	63.21	63.58	64.11	64.11	64.76
C5 -420 F	31.85	31.83	31.02	31.18	30.24
420--700 F	3.85	3.83	3.79	3.95	3.89
700-END PT	1.10	0.77	1.08	0.76	1.11
C5+ -END PT	36.79	36.42	35.89	35.89	35.24
ISO/NORMAL MOLE RATIO					
C4	0.1090	0.1113	0.1108	0.1106	0.1069
C5	0.5868	0.5890	0.5922	0.5866	0.5892
C6	2.3806	2.4723	2.4307	2.4298	2.3412
C4=	0.1645	0.1669	0.1703	0.1715	0.1721
PARAFFIN/OLEFIN RATIO					
C3	4.9428	4.8838	5.3151	5.3645	5.7831
C4	1.5159	1.4916	1.5787	1.5905	1.7111
C5	23.6780	24.4908	24.6761	26.5396	26.8696
LIQ HC COLLECTION					
PHYS. APPEARANCE	---	GREEN OIL	---	GREEN OIL	---
DENSITY	---	0.766	---	0.764	---
N, REFRACTIVE INDEX	---	1.4315	---	1.4314	---
SIMULT'D DISTILATN					
10 WT % @ DEG F	---	255	---	255	---
16	---	290	---	289	---
50	---	400	---	400	---
84	---	569	---	567	---
90	---	653	---	649	---
RANGE(16-84 %)	---	279	---	278	---
WT % @ 420 F	---	56.30	---	56.70	---
WT % @ 700 F	---	92.70	---	93.00	---

TABLE 10E RESULT OF SYNGAS OPERATION

RUN NO. 10011-10
CATALYST PPT(FE,K)+UCC-104 #9674-69 80CC 58.5G (58.0G AFTER RUN,-0.6G)
FEED H2:CO:ARGON OF 50:50: 0 @ 400 CC/MN OR 300 GHSV

RUN & SAMPLE NO.	10011-10-21	011-10-22	011-10-23	011-10-24
FEED H2:CO:AR	50:50: 0	50:50: 0	50:50: 0	50:50: 0
HRS ON STREAM	242.9	260.07	267.57	283.99
PRESSURE,PSIG	301	302	293	300
TEMP. C	281	281	281	281
FEED CC/MIN	400	400	400	400
HOURS FEEDING	26.91	17.17	24.67	16.42
EFFLNT GAS LITER	341.32	217.31	313.46	206.52
GM AQUEOUS LAYER	12.11	7.37	10.59	7.68
GM OIL	10.91	6.73	9.67	5.60
MATERIAL BALANCE				
GM ATOM CARBON %	103.74	104.02	104.97	102.39
GM ATOM HYDROGEN %	106.13	104.77	106.58	104.41
GM ATOM OXYGEN %	105.44	106.21	105.41	105.11
RATIO CHX/(H2O+CO2)	0.9676	0.9584	0.9916	0.9482
RATIO X IN CHX	2.6716	2.6811	2.6746	2.6935
USAGE H2/CO PRODT	0.7716	0.7646	0.7813	0.7710
RATIO CO2/(H2O+CO2)	0.8656	0.8706	0.8691	0.8616
K SHIFT IN EFFLNT	27.32	26.93	25.97	24.89
CONVERSION				
ON CO %	92.93	92.76	92.58	92.61
ON H2 %	70.70	71.22	71.39	71.02
ON CO+H2 %	81.69	81.95	81.90	81.71
PRDT SELECTIVITY,WT %				
CH4	19.40	19.76	19.55	20.25
C2 HC'S	12.39	12.65	12.31	12.72
C3H8	17.70	17.79	17.79	17.96
C3H6=	2.93	2.94	2.87	3.05
C4H10	7.74	7.77	7.85	7.93
C4H8=	4.39	4.42	4.41	4.38
C5H12	5.09	5.06	5.15	5.11
C5H10=	0.19	0.19	0.18	0.18
C6H14	5.84	5.69	5.78	5.72
C6H12= & CYCLO'S	2.01	1.90	1.95	1.92
C7+ IN GAS	11.35	11.16	11.75	11.34
LIQ HC'S	10.97	10.67	10.42	9.44