



AGNEW AND SWEET

3914 GILMORE AVENUE
BAKERSFIELD, CALIFORNIA 93308
PHONE (805) 327-2267

CHURCH AND AIRPORT ROAD
RIO VISTA, CALIFORNIA 94571
PHONE (707) 374-2197

24 HOUR
SERVICE

SUBSURFACE TEMPERATURE SURVEY

OWNER PHILLIPS PETROLEUM COMPANY FIELD HUMBOLDT HOUSE WELL NAME HUMBOLDT LEASE #4 STRAT. TEST # 4

WELL DATA

ZERO POINT MAT + 2' DEPTH 1900'
ELEVATION _____ ZONE _____
CASING _____

SURVEY CONDITIONS

DATE NOVEMBER 3, 1976
PURPOSE STATIC TEMPERATURE PROFILE SURVEY
REMARKS: RAN 20'/MIN.

LINER DESCRIPTION _____

3 hour 15 turn
INSTRUMENT 100 - 558 °F, SERIAL NUMBER 10136
MAX. TEMPERATURE 194.1 °F, AT 1863'

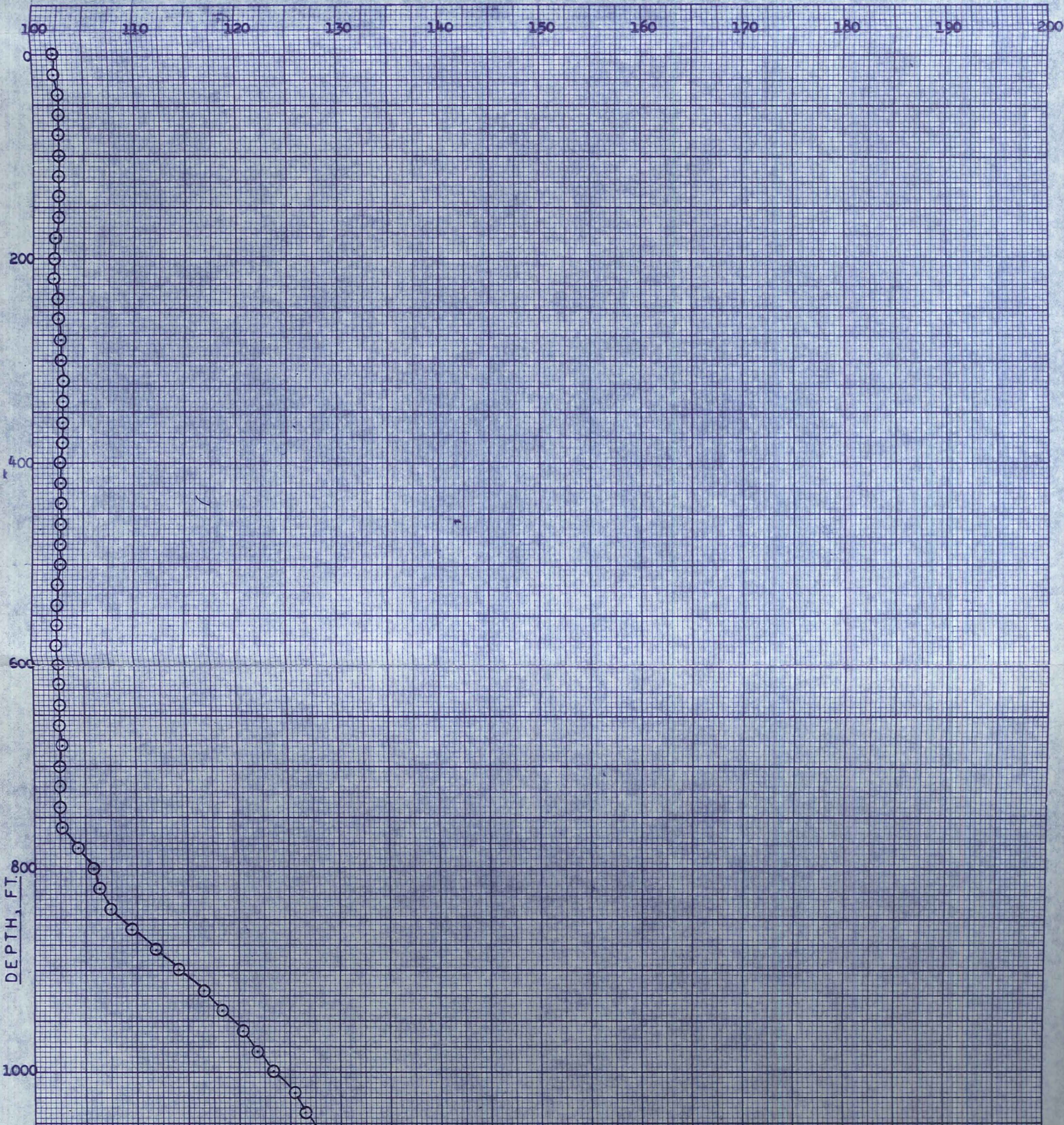
TUBING DETAIL 2-3/8"

SHUT IN _____ STABILIZATION PERIOD _____

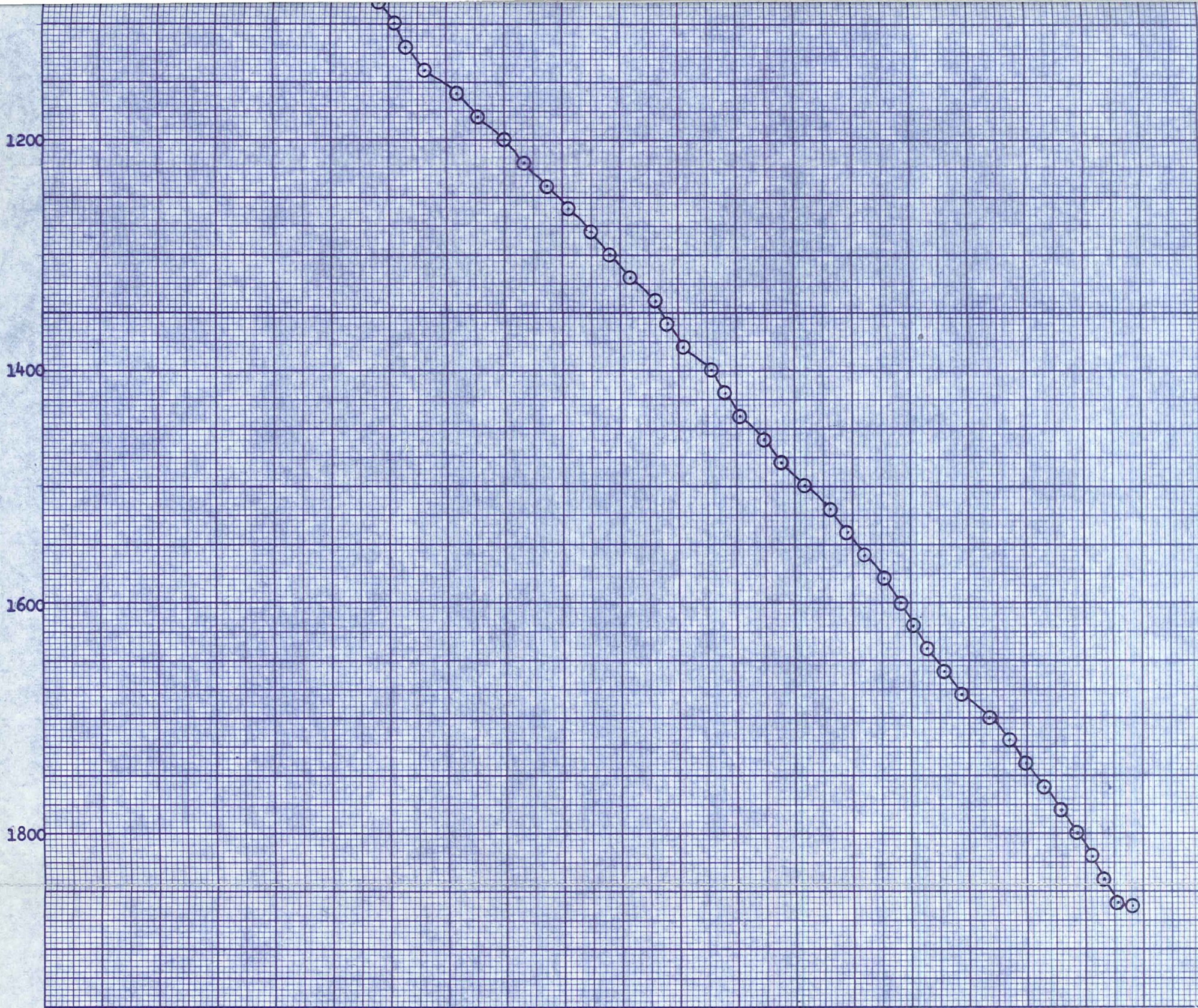
	PRESSURES, PSIG	
	OBSERVED	CORRECTED
CASING	0	0
TUBING	0	0

TIME ON BOTTOM 6:18 pm
TIME OFF BOTTOM 6:24 pm

GROSS FLUID RATE, BBL/D _____
NET OIL RATE, BBL/D _____
FORMATION GAS, MCF/D _____
GOR, CFT/BBL _____
CIRCULATED GAS, MCF/D _____
OIL DRY GRAVITY, °API _____ BY MONSON & SUNDBERG



From 5/10/1979



SUB-SURFACE TEMPERATURE DATA

<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>	<u>DEPTH</u>	<u>TEMP. °F</u>
0	102.2	320	103.0	640	102.5	960	120.4	1280	147.5	1600	174.2
20	102.2	340	103.0	660	102.5	980	121.9	1300	149.2	1620	175.2
40	102.5	360	103.0	680	102.7	1000	123.4	1320	150.9	1640	176.4
60	102.5	380	103.0	700	102.5	1020	125.5	1340	153.1	1660	177.9
80	102.5	400	102.7	720	102.5	1040	126.5	1360	154.1	1680	179.4
100	102.5	420	102.7	740	102.5	1060	128.0	1380	155.3	1700	181.8
120	102.5	440	102.7	760	102.7	1080	129.2	1400	157.8	1720	183.5
140	102.5	460	102.7	780	104.4	1100	130.5	1420	159.0	1740	185.0
160	102.5	480	102.7	800	105.8	1120	131.5	1440	160.2	1760	186.5
180	102.2	500	102.7	820	106.3	1140	133.2	1460	162.4	1780	187.9
200	102.2	520	102.5	840	107.5	1160	136.0	1480	163.9	1800	189.4
220	102.2	540	102.5	860	109.5	1180	137.7	1500	165.9	1820	190.6
240	102.5	560	102.5	880	111.8	1200	140.0	1520	168.1	1840	191.6
260	102.5	580	102.5	900	114.1	1220	141.7	1540	169.6	1860	192.8
280	102.7	600	102.5	920	116.6	1240	143.7	1560	171.0	1863	194.1
300	102.7	620	102.5	940	118.4	1260	145.5	1580	172.7		