



BHC
Acoustilog®

FILE NO. R-419

COMPANY E. G. & G. IDAHO, INC.

WELL R.R.G.I. #4

FIELD RAFT RIVER GEOTHERMAL

COUNTY CASSIA STATE IDAHO

LOCATION:

SEC 23 TWP 15S RGE 26E

Other Services

Permanent Datum GROUND LEVEL Elev. 4835
 Log Measured from GROUND LEVEL 14 Ft. Above Permanent Datum
 Drilling Measured from R.K.B.

Elevations:
 KB 4849
 DF 4848
 GL 4835

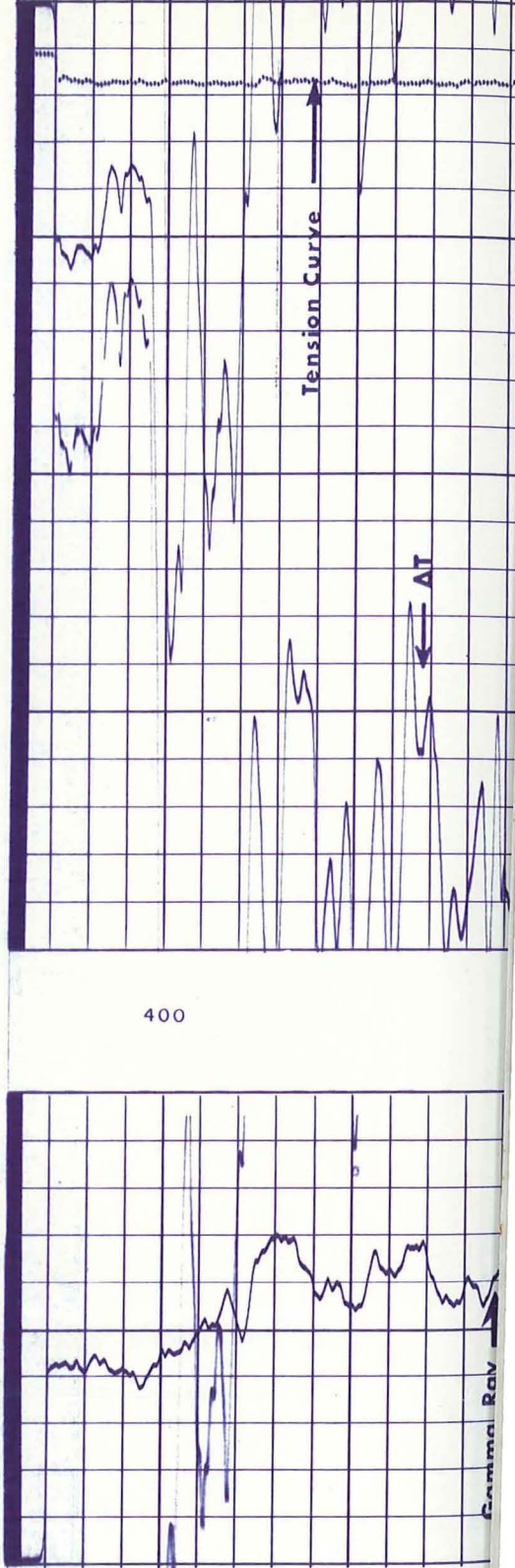
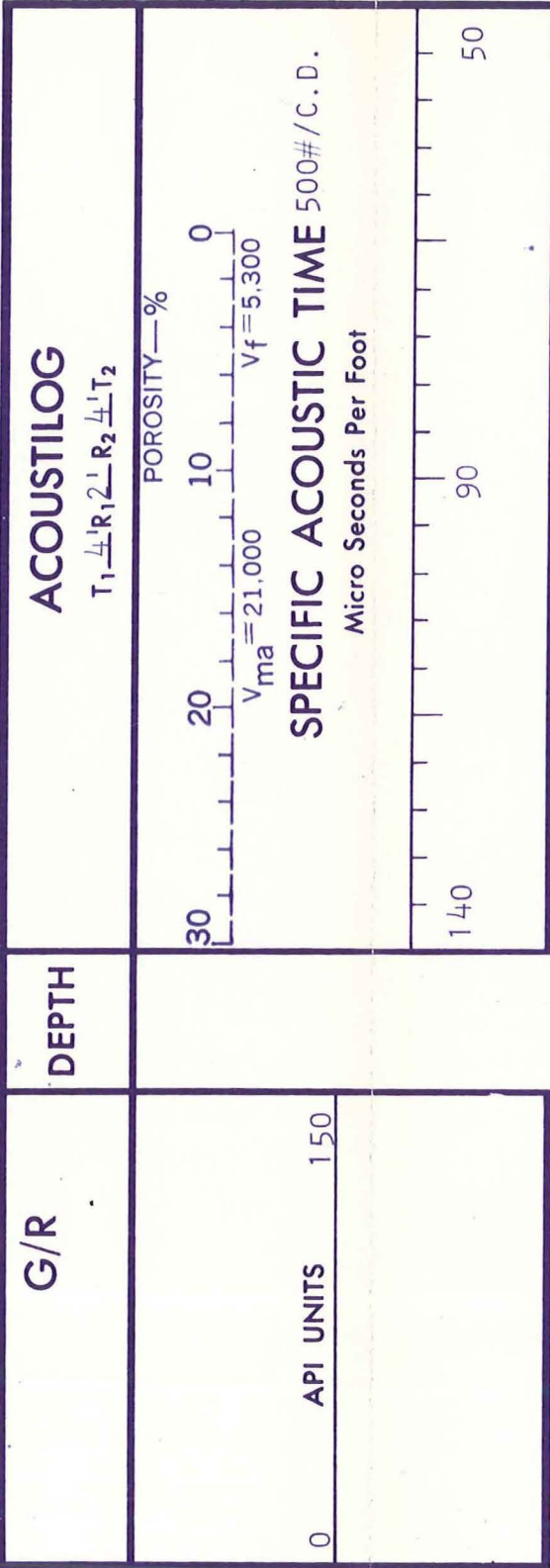
Date	4/16/77			
Run No.	ONE			
Depth—Driller	1908			
Depth—Logger	1909			
Bottom Logged Interval	1901			
Top Logged Interval	401			
Casing—Driller	20 @ 400	@	@	@
Casing—Logger	401			
Bit Size	12 1/4"			
Type Fluid in Hole	CHEM GEL	@	@	@
Density and Viscosity	9.6 33			
pH and Fluid Loss	9.0 NO CONTROL	cc	cc	cc
Source of Sample				
Rm @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc				
Rm @ BHT	@ 196 °F	@ °F	@ °F	@ °F
Time Since Circ.	5 HOURS			
Max. Rec. Temp. Deg. F.	196 °F	°F	°F	°F
Equip. No. and Location	6089 RSVLT			
Recorded By	MCCALL-ALEX			
Witnessed By	MR. STOKER			

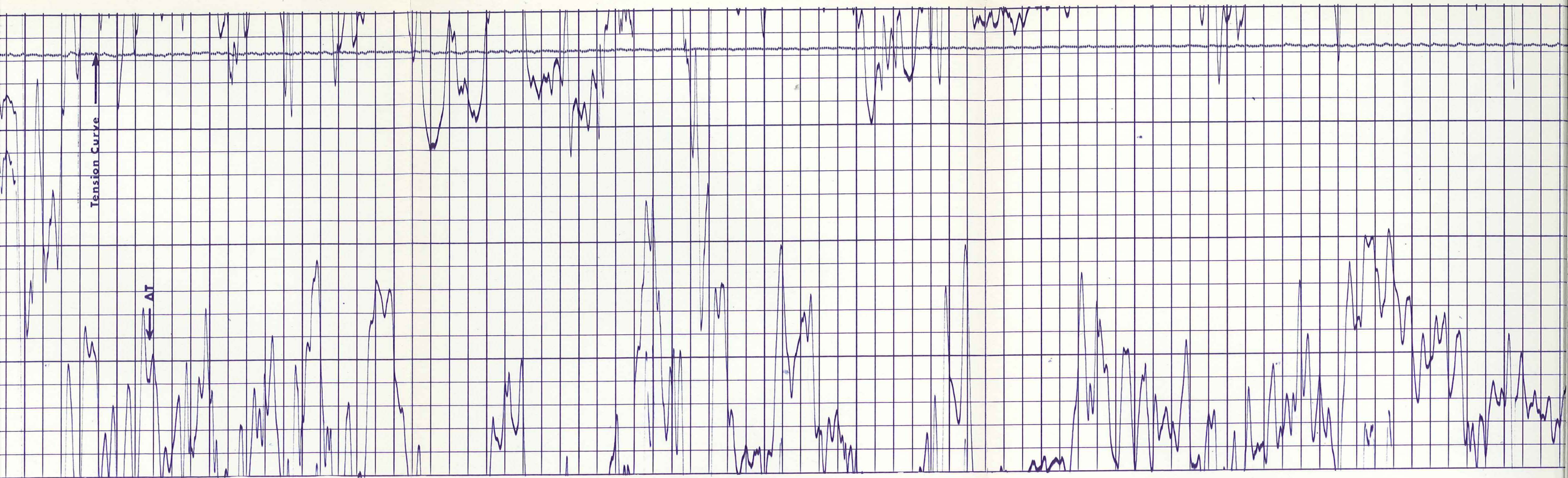
THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

REMARKS

Equipment Used

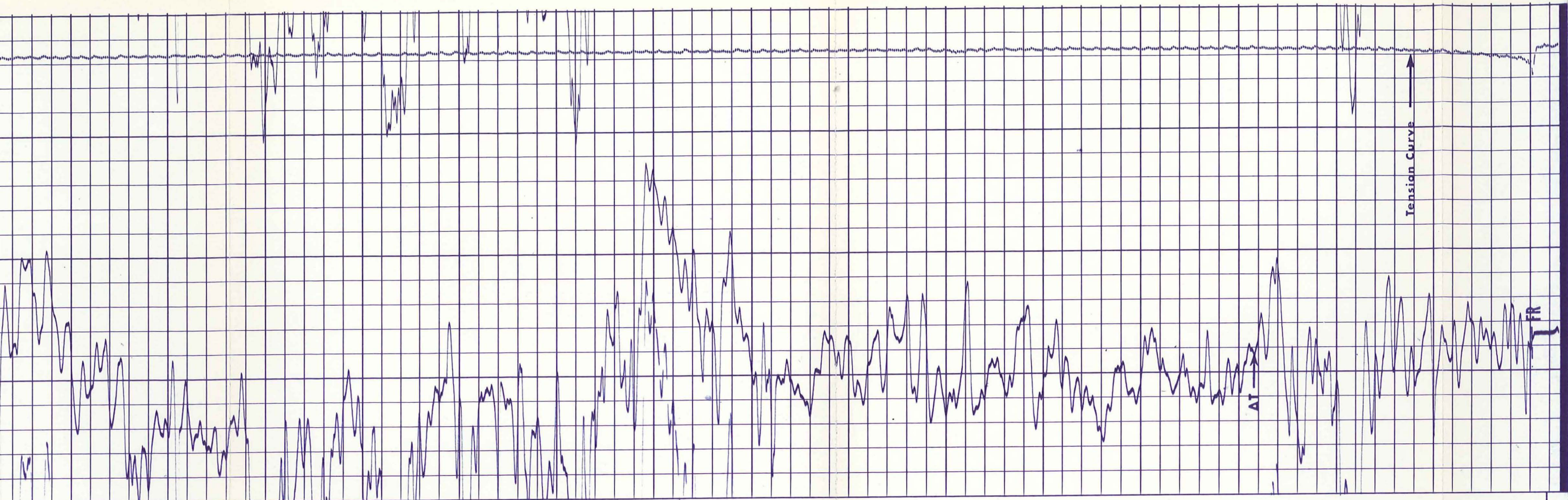
Series No.	1601														
Run No.	ONE														
S.O.	39307														
Tool No.	19129														
Elec. No.	19129														
Panel No.	33217														
Scale Changes															
Changes in Mud Type or Additional Samples					Scale Up Hole					Scale Down Hole					
Date	Sample No.	Depth-Driller	Type Fluid in Hole	Dens.	Visc.	pH	Fluid Loss	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Source Rmf Rmc	Rm @ BHT	Rmf @ BHT	Rmc @ BHT
							cc		°F	°F	°F		°F	°F	°F
										Equipment Data		Other			
										Run No.	Tool Type	Pad Type	Tool Position		
										ONE	1601 AL	CENTRALIZED	CENTRALIZED		
										ONE	1306 GR	CENTRALIZED			
										ONE	626 CAL				



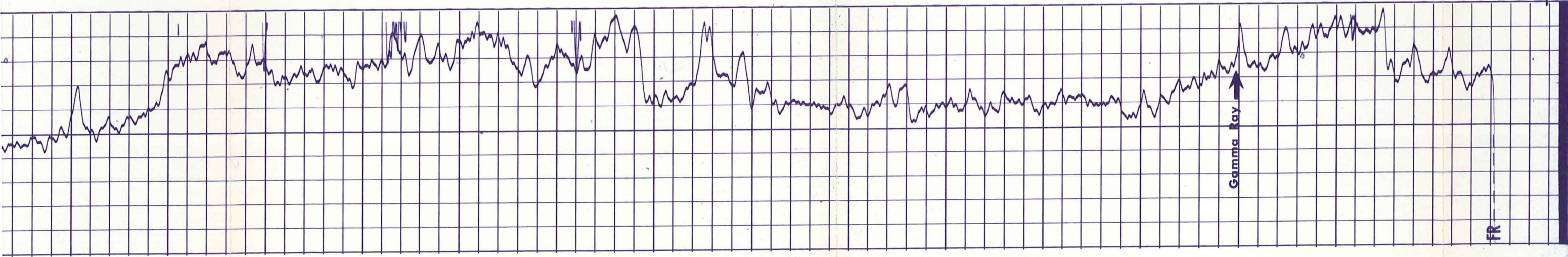


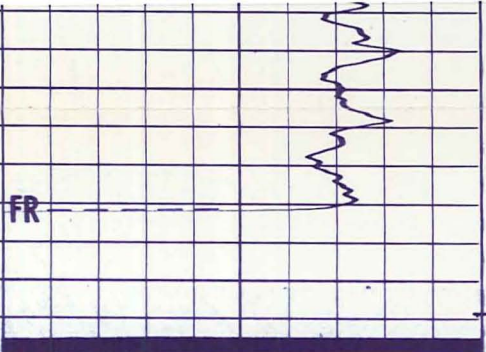
400 500 600 700 800 900 1000 1100 1200



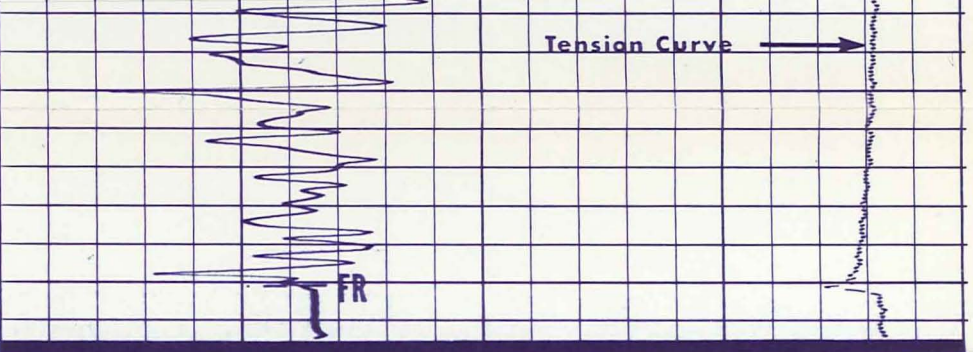


1200 1300 1400 1500 1600 1700 1800 1900

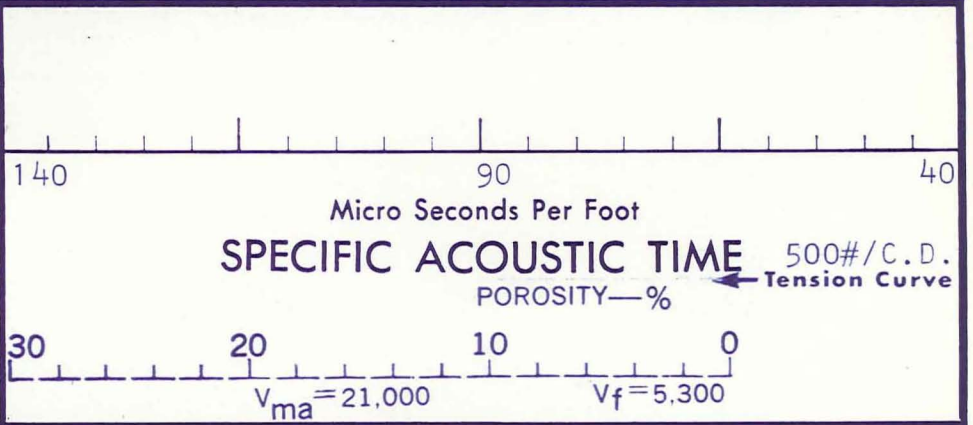
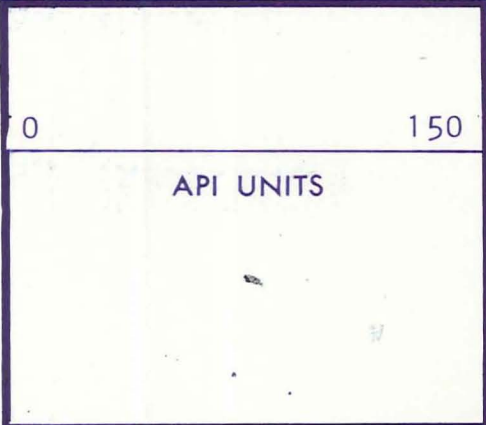




1906



FORM 925193

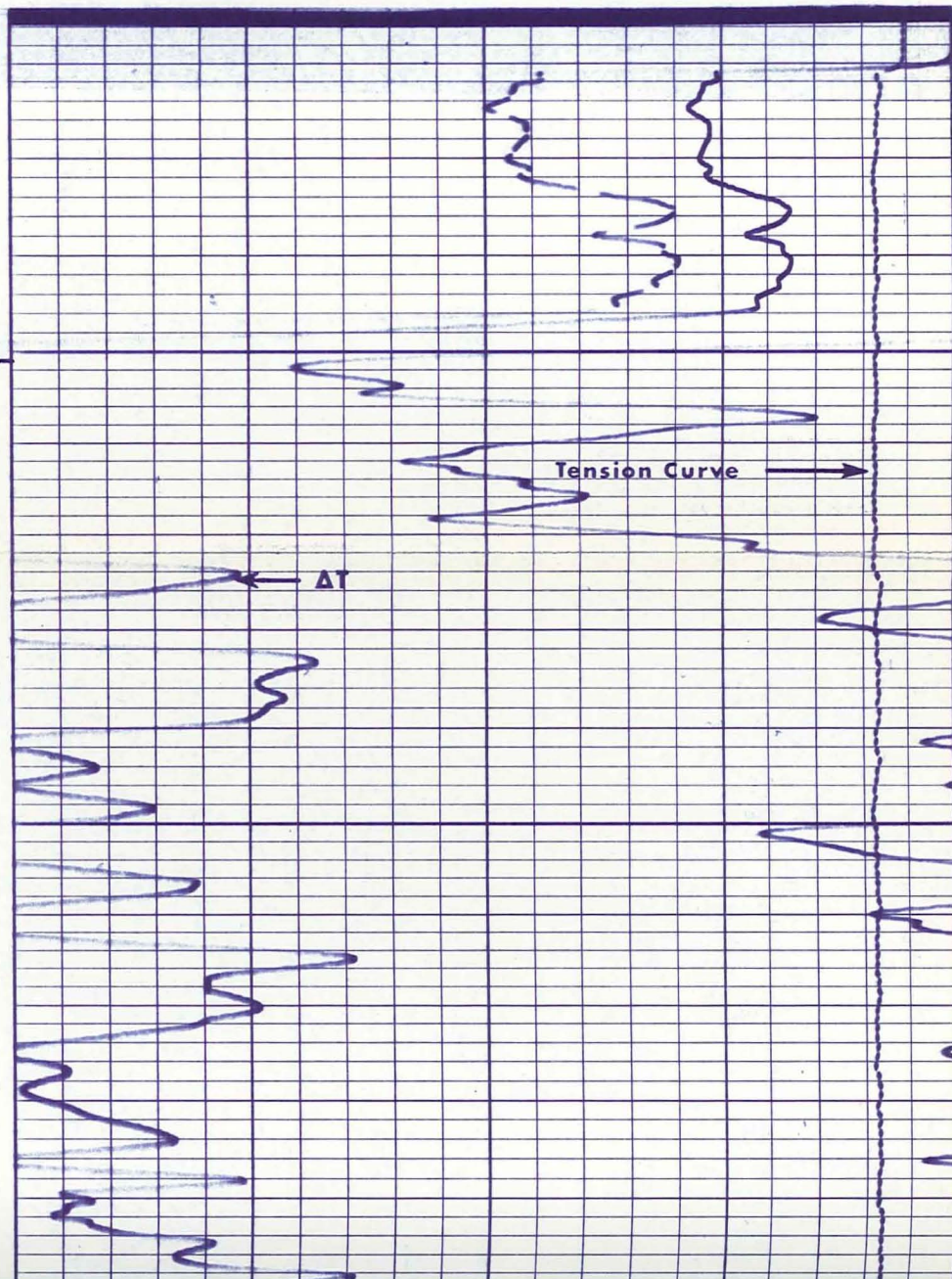
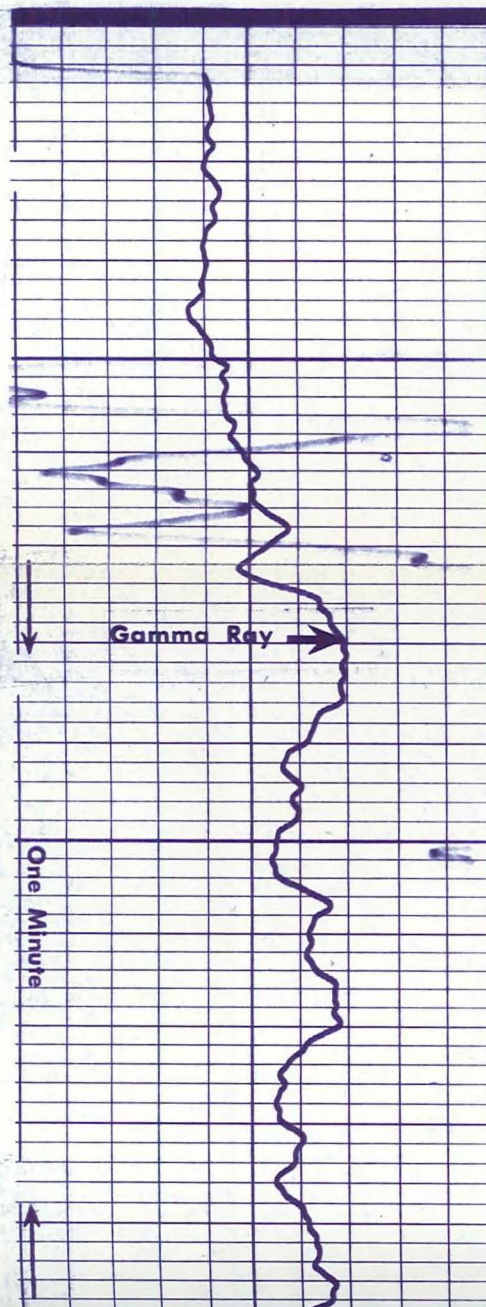
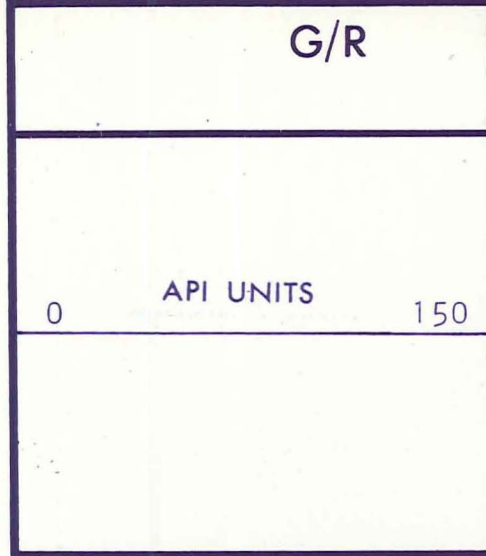


G/R

DEPTH

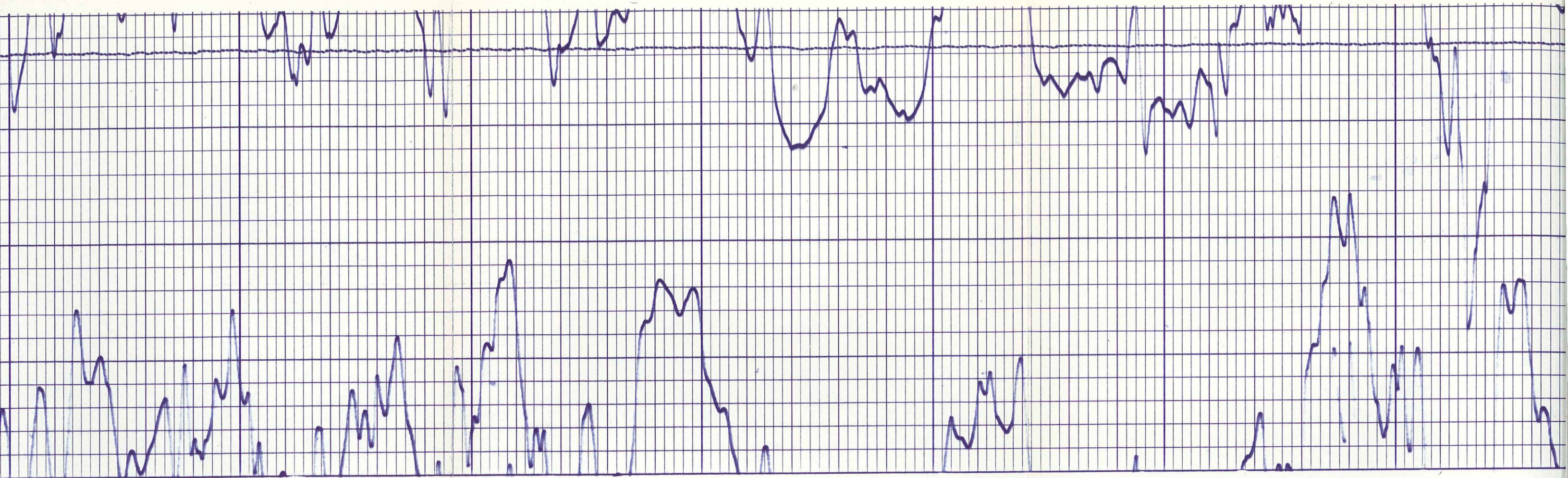
ACOUSTILOG
T₁ 4' R₁ 2' R₂ 4' T₂

Company	E. G. & G. IDAHO, INC.	Drillers T.D.	1908
Well	R.R.G.I. #4	Log F.R.	1901
Field	RAFT RIVER GEOTHERMAL	Log T.D.	1909
County	CASSIA	Elevations:	
State	IDAHO	K.B.	4849
		D.F.	4848
		G.L.	4835



One Minute

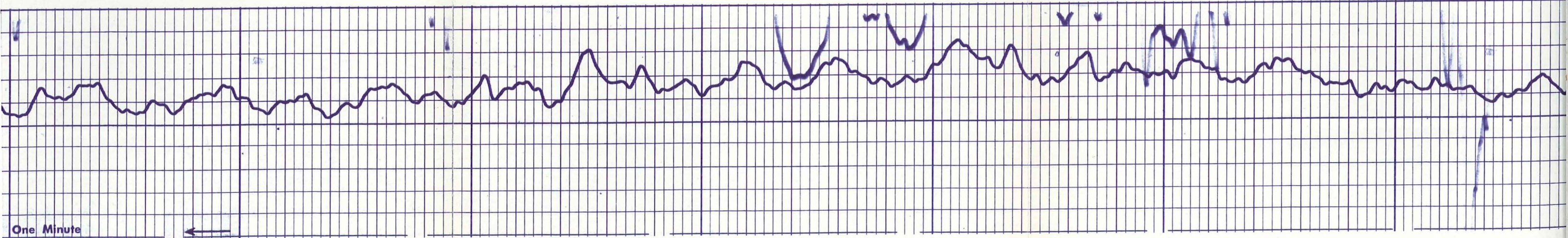
50



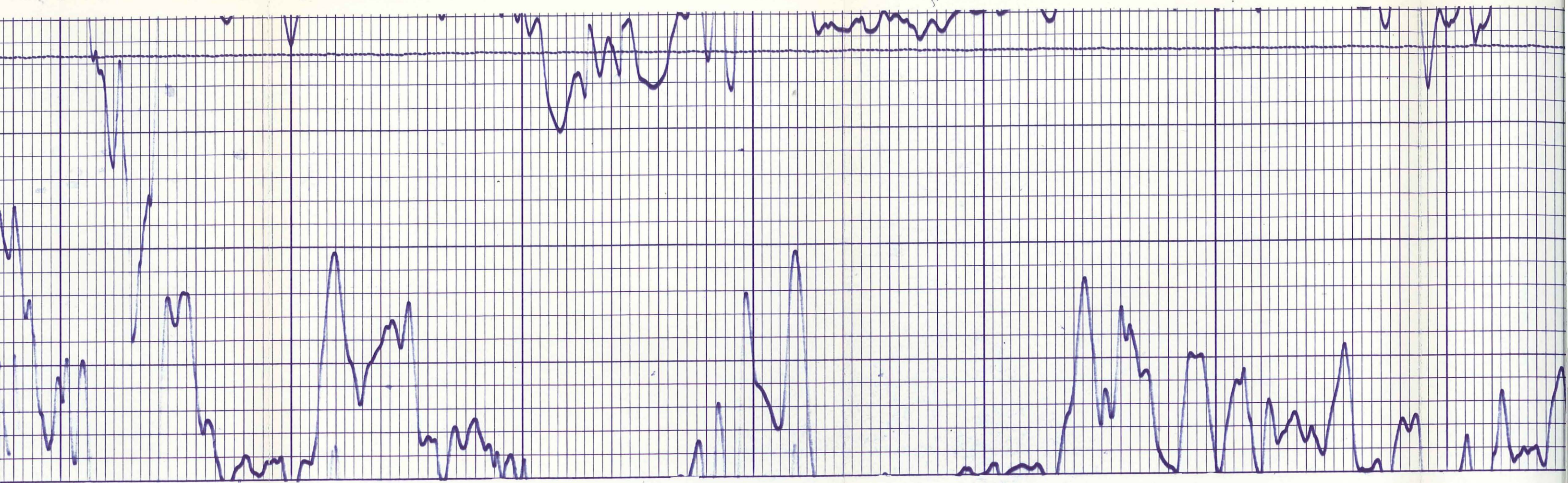
500

600

700



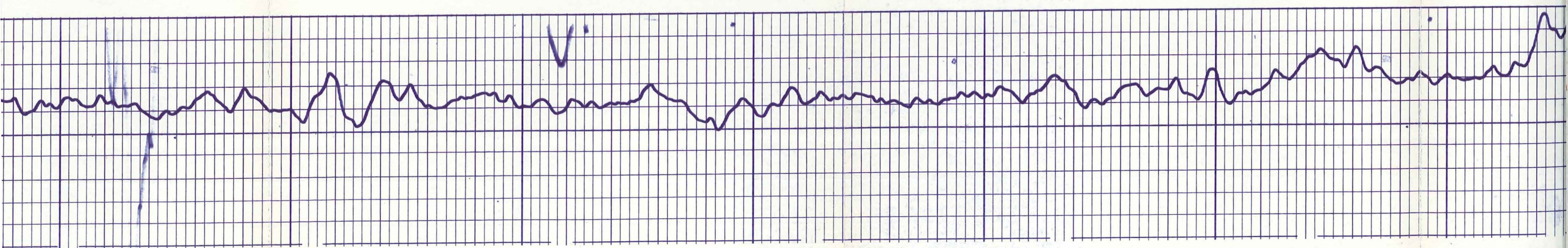
One Minute ←

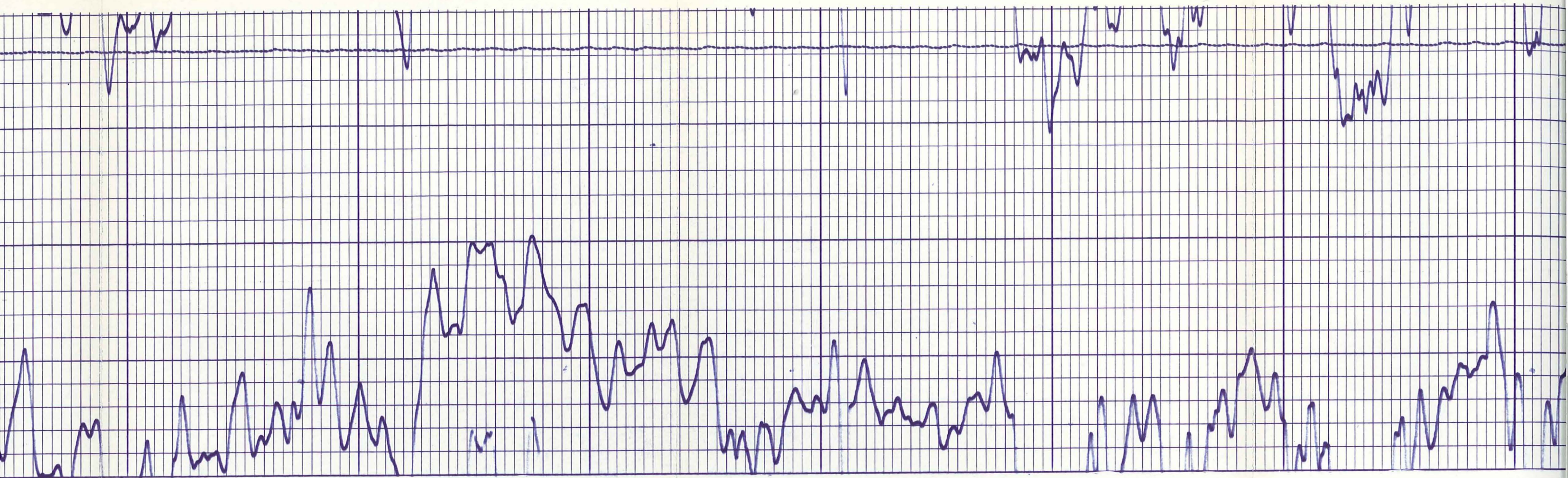


800

900

1000

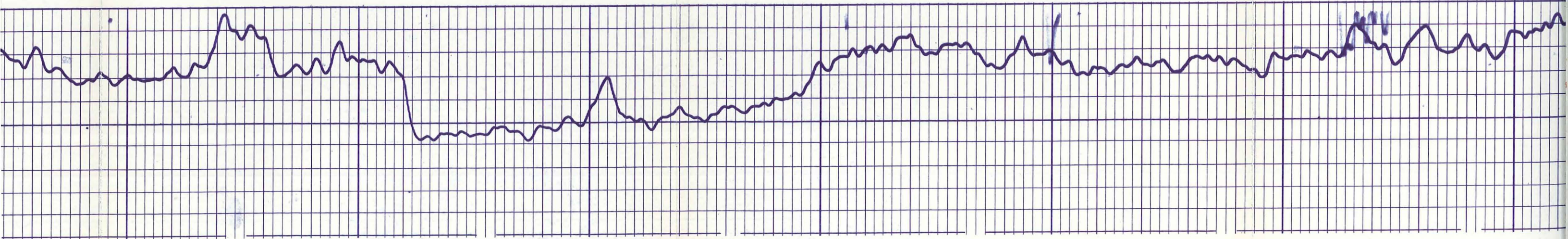


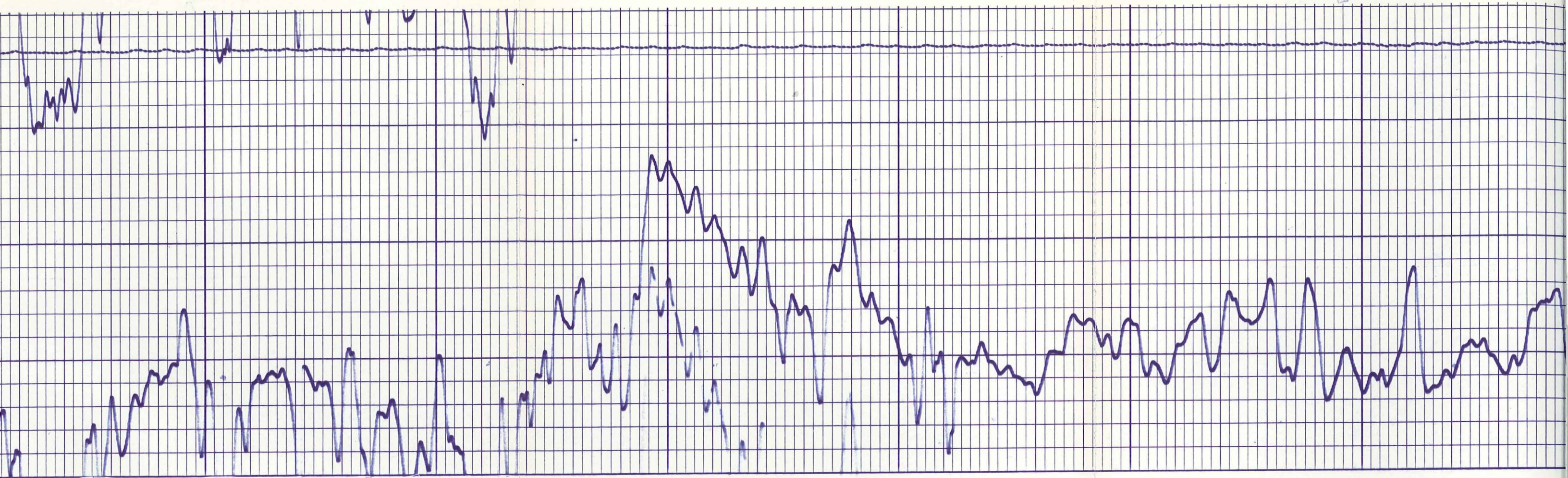


1100

1200

1300

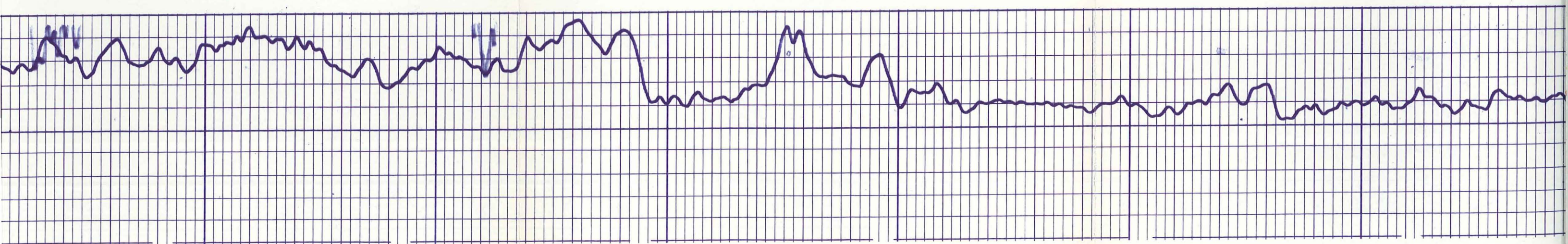


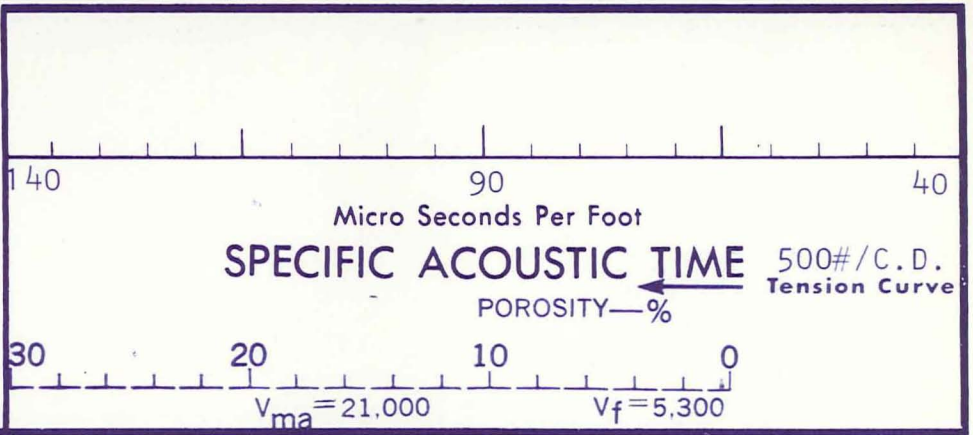
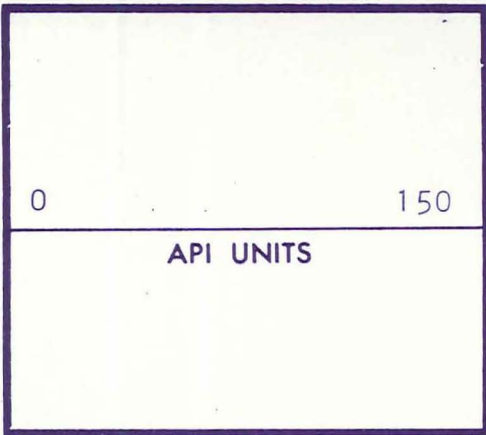
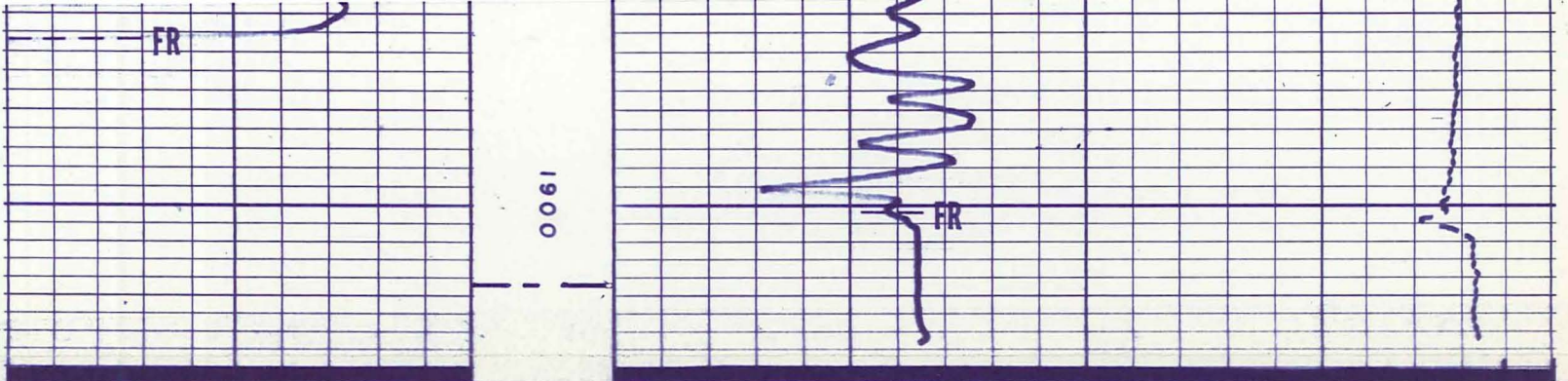


1400

1500

1600





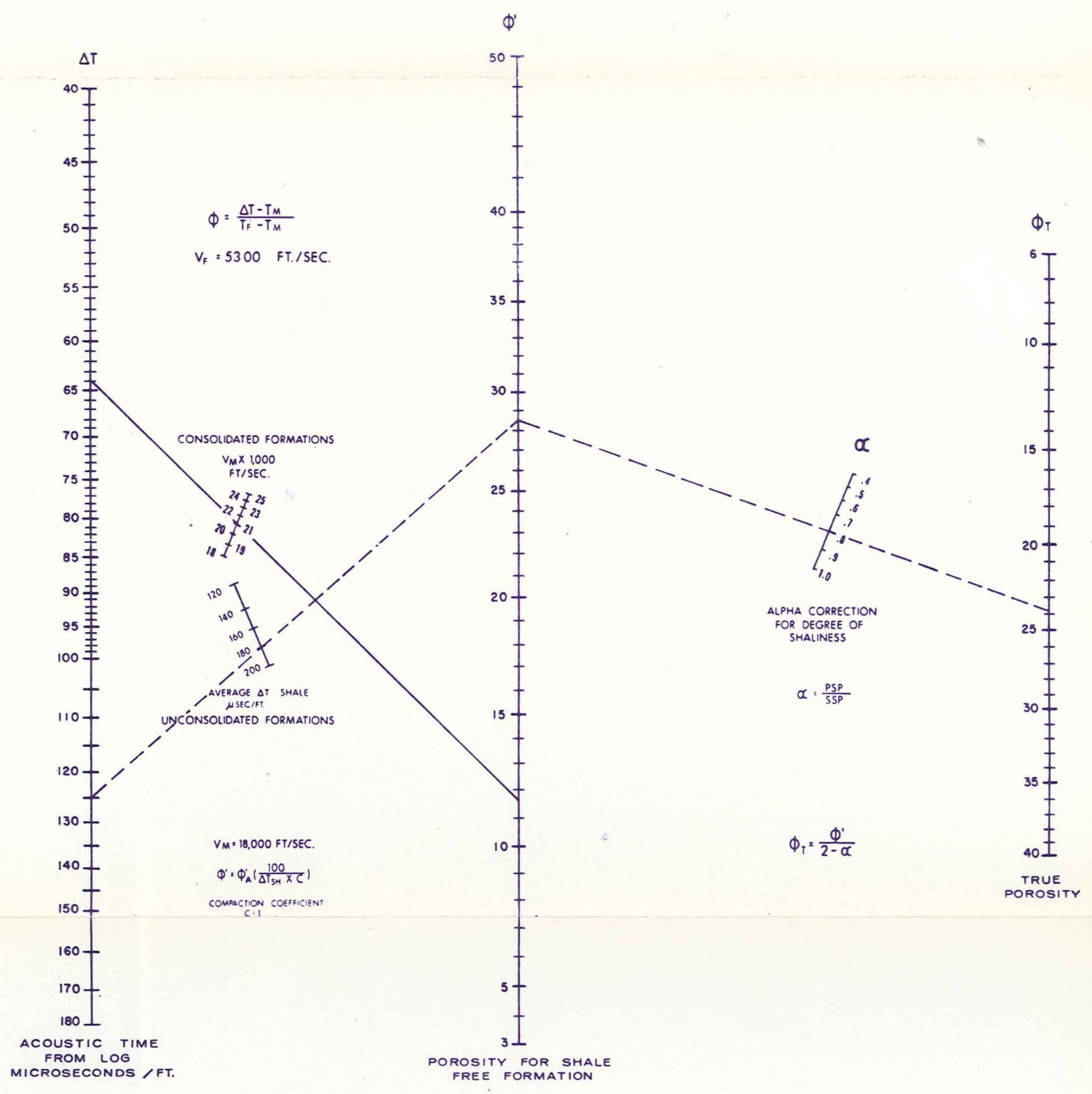
G/R

DEPTH

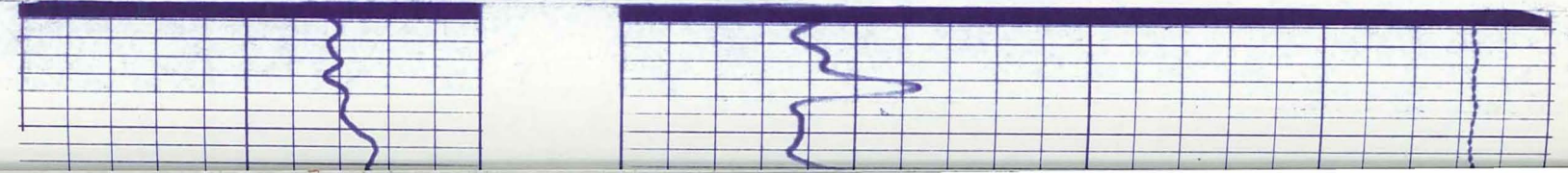
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POROSITY DETERMINATION FROM ACOUSTILOG



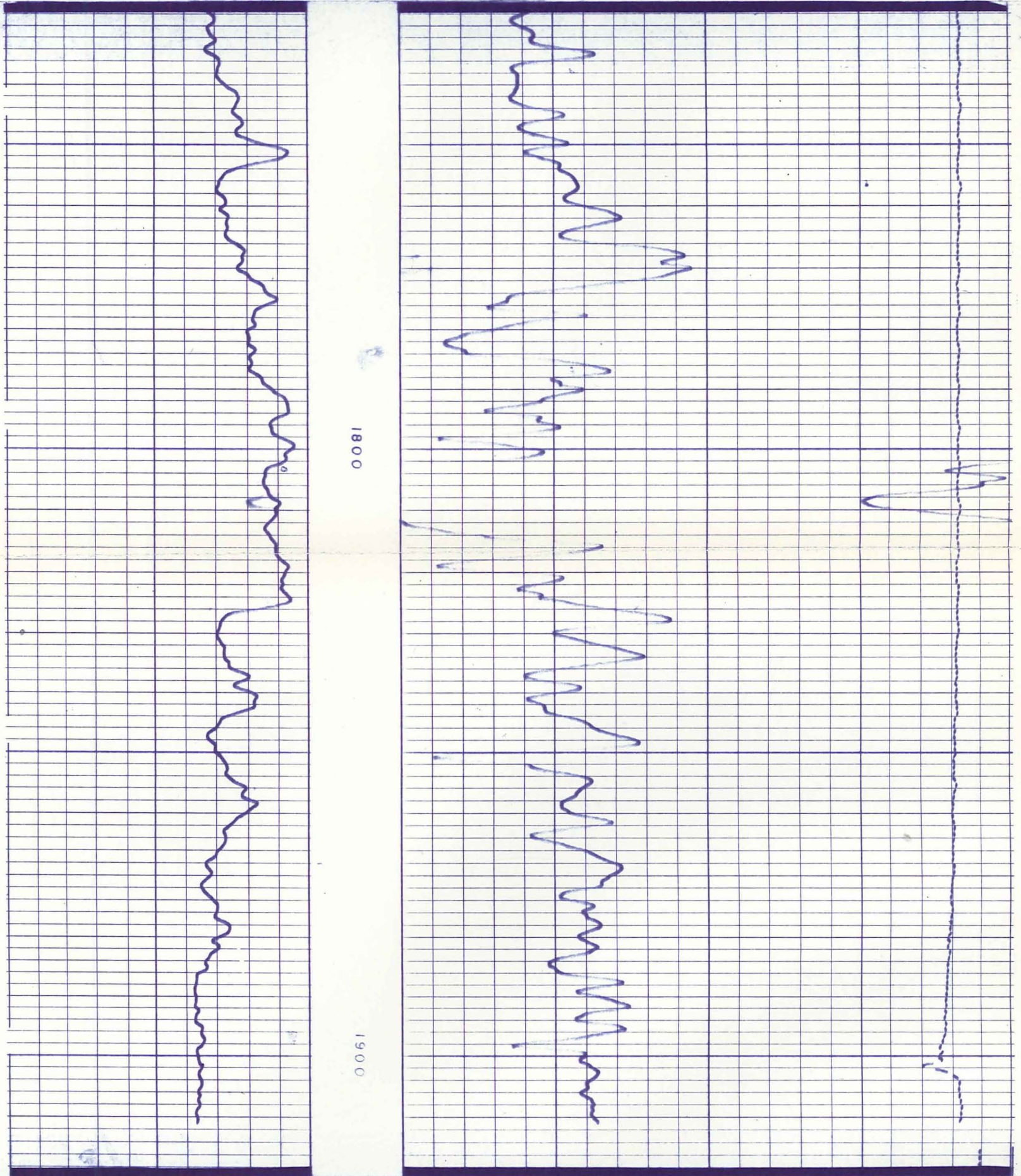
REPEAT SECTION



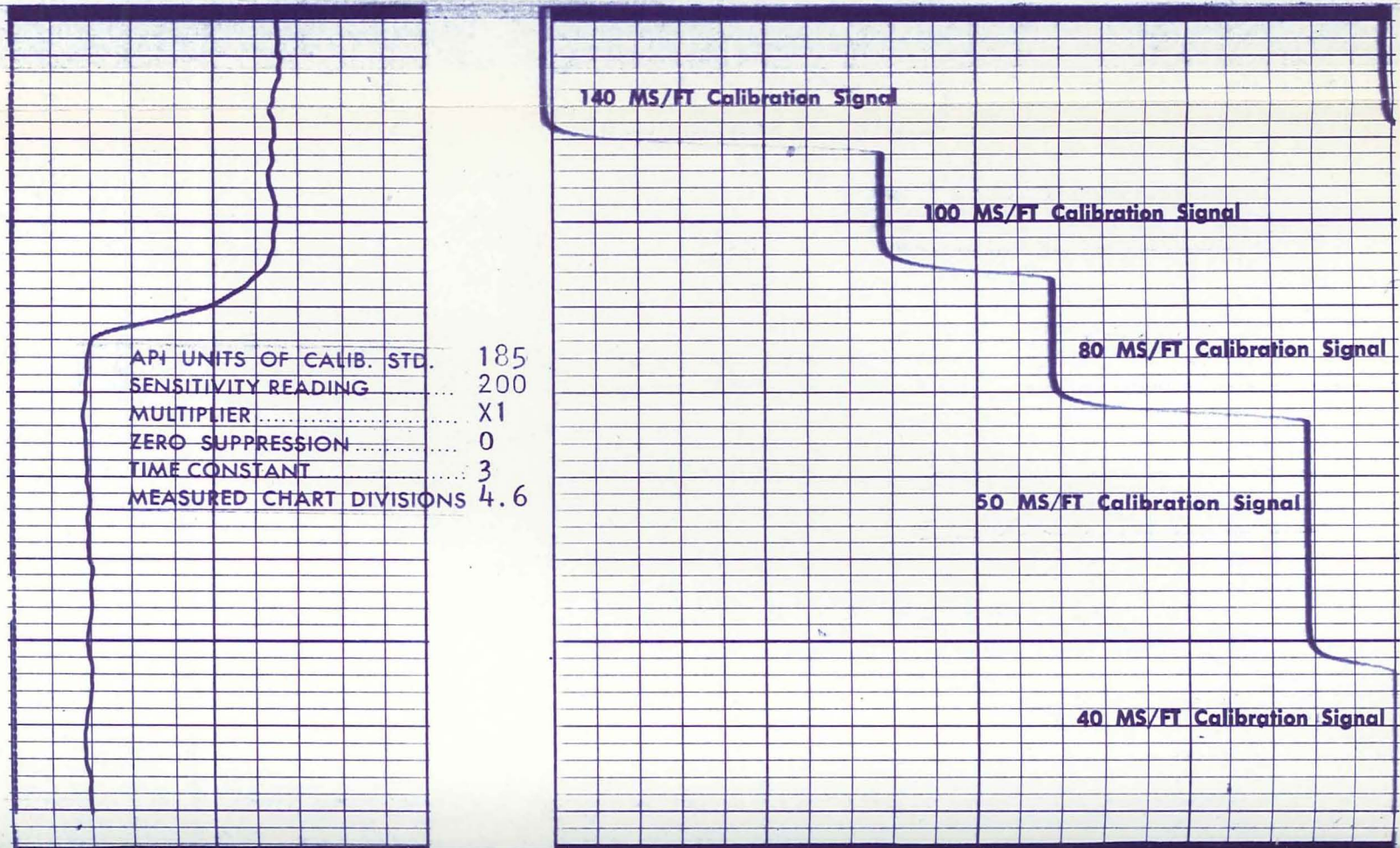
160
170
180
ACOUSTIC TIME
FROM LOG
MICROSECONDS / FT.

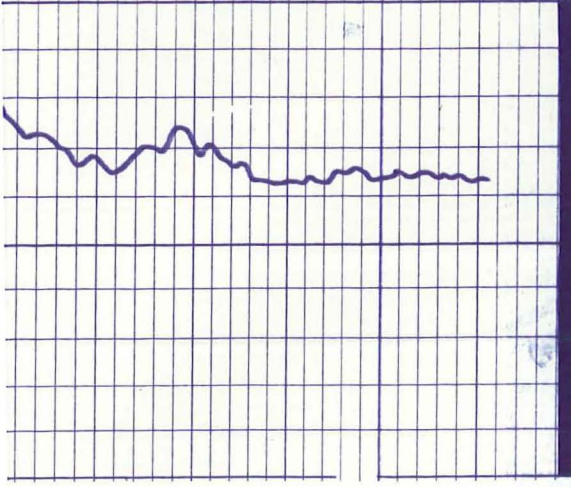
5
3
POROSITY FOR SHALE
FREE FORMATION

REPEAT SECTION



CALIBRATION — AFTER SURVEY

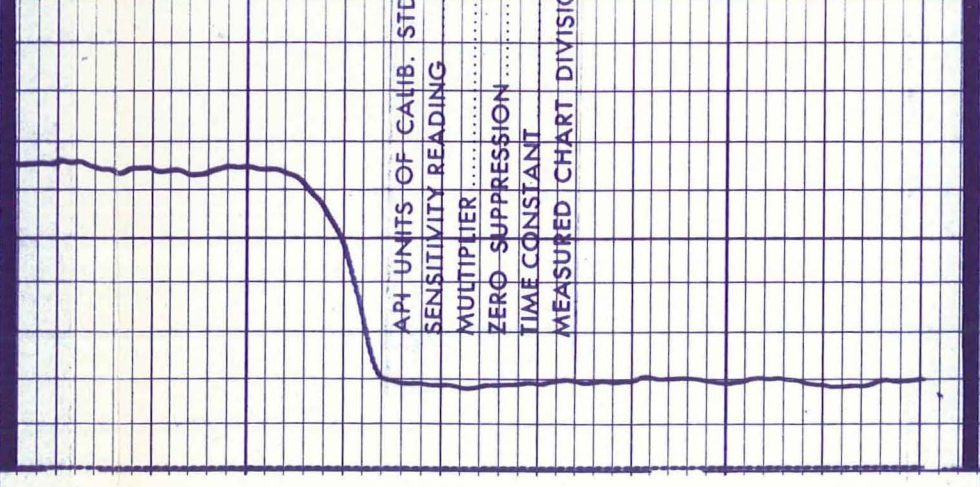




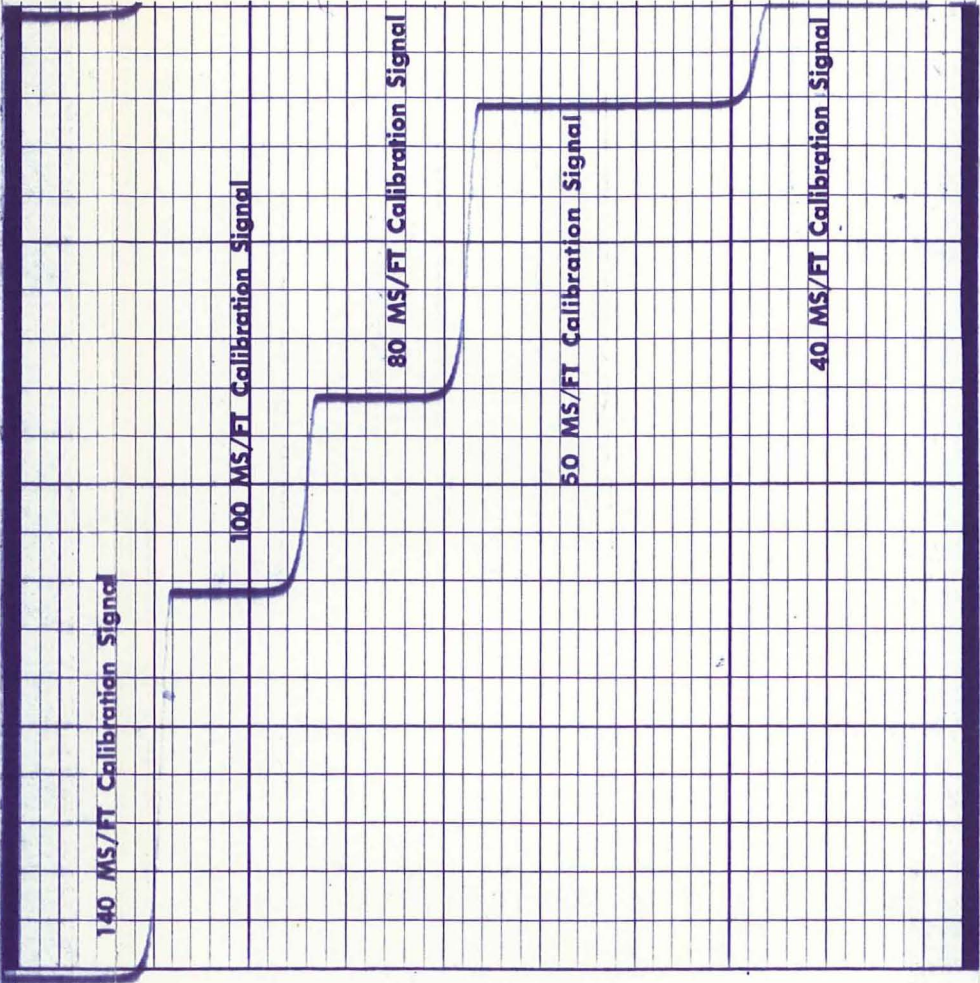
1900



CALIBRATION — AFTER SURVEY



API UNITS OF CALIB. STD. 185
 SENSITIVITY READING 200
 MULTIPLIER X1
 ZERO SUPPRESSION 0
 TIME CONSTANT 3
 MEASURED CHART DIVISIONS 4.6



140 MS/FT Calibration Signal

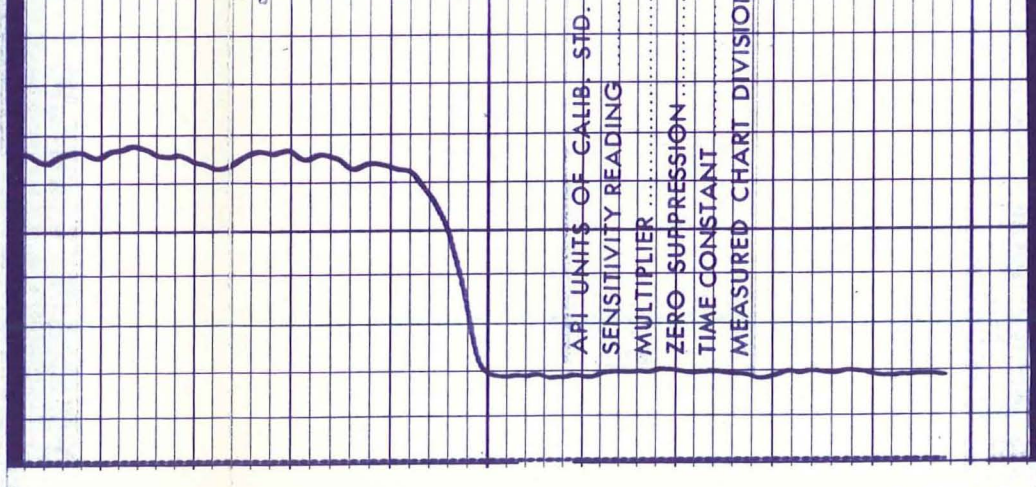
100 MS/FT Calibration Signal

80 MS/FT Calibration Signal

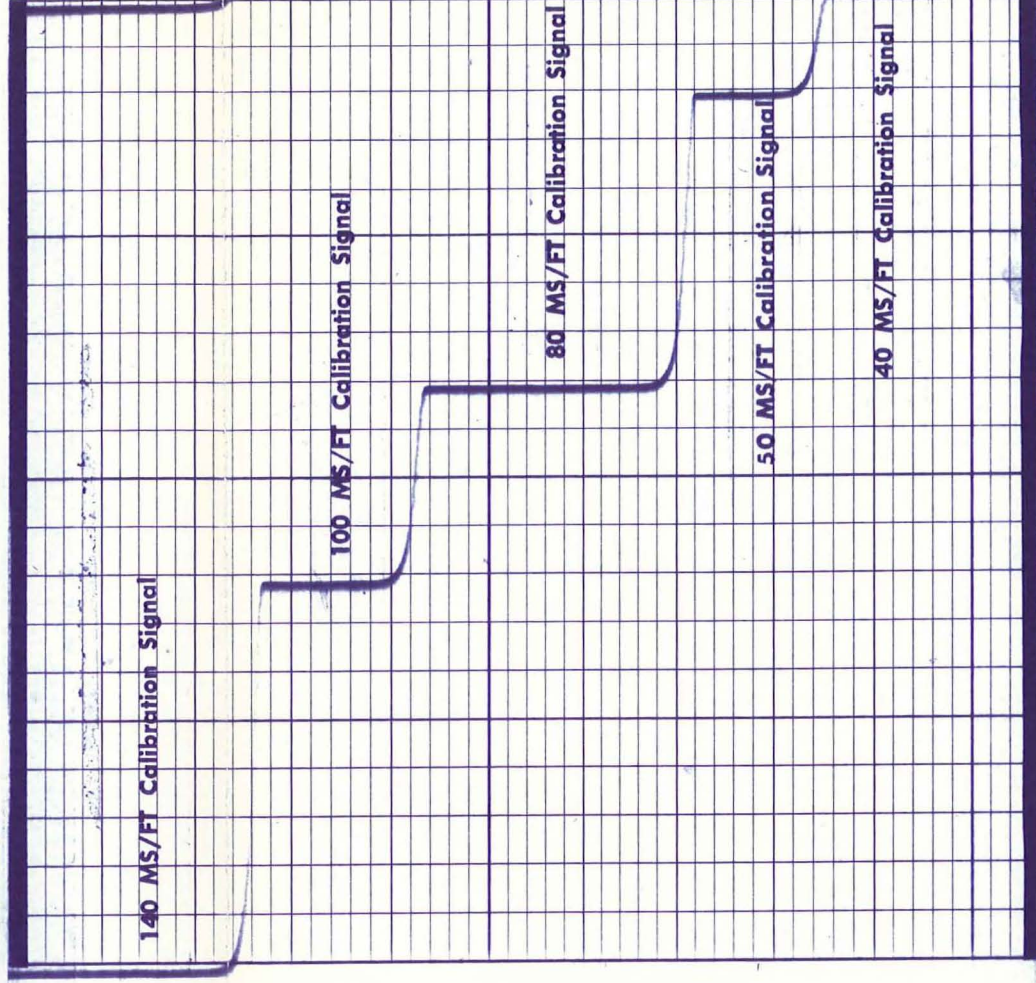
50 MS/FT Calibration Signal

40 MS/FT Calibration Signal

CALIBRATION — BEFORE SURVEY



API UNITS OF CALIB. STD. 185
 SENSITIVITY READING 200
 MULTIPLIER X1
 ZERO SUPPRESSION 0
 TIME CONSTANT 3
 MEASURED CHART DIVISIONS 4.6



140 MS/FT Calibration Signal

100 MS/FT Calibration Signal

80 MS/FT Calibration Signal

50 MS/FT Calibration Signal

40 MS/FT Calibration Signal