

GL02615

Schlumberger

CEMENT BOND LOG

COUNTY _____ Field or LOCATION _____
 WELL _____
 COMPANY _____

COMPANY AEROJET NUCLEAR - INELL

WELL RRGE #1

FIELD RAFT RIVER GEOTHERMAL

COUNTY CASSIA STATE IDAHO

LOCATION NE1/4 OF SW1/4
 Sec. 23 Twp. 15S Rge. 26E

Other Services:
 DIL
 BHC
 FDC/CNL

Permanent Datum: GL, Elev. 4835
 Log Measured From GL, Ft. Above Perm. Datum
 Drilling Measured From GL

Elev.: K.B. _____
 D.F. _____
 G.L. 4835

Date	<u>4-6-75</u>	Type Drill Fluid	<u>FORMATION WATER</u>
Run No.	<u>ONE</u>	Fluid Level	<u>PULL</u>
Depth - Driller	<u>5007</u>	Max. Rec. Temp.	<u>286 °F</u>
Depth - Logger	<u>---</u>	Est. Cement Top	<u>---</u>
Btm. Log Interval	<u>3650</u>	Equip. Location	<u>8002 RS</u>
Top Log Interval	<u>2700</u>	Recorded By	<u>PARKS</u>
Open Hole Size	<u>12 1/4</u>	Witnessed By	<u>MILLER</u>

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prot. String	<u>133/8</u>				<u>SURF</u>	<u>3642</u>
Prod. String						
Liner						

PRIMARY CEMENTING DATA				
STRING	Surface	Protection	Production	Liner
Vol. of cement				
Type of cement				
Additive				
Retarder				
Wt. of slurry				
Water loss				
Type fluid in csg.				
Fluid wt.				

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

PRIMARY CEMENTING PROCEDURE

Started pumping cement	Hour - date	Hours from start of operation	Equipment Data
Release pressure			
Start Cement Bond Log			
Finish Cement Bond Log			
Preceding fluid	Volume _____ bbls. _____		
Cement pumped	_____ bbls./minute		
	Pipe reciprocated during Pumping: Yes _____ No _____		
	Pipe reciprocated after plug down: Yes _____ No _____		

SQUEEZE JOB DETAIL

	1	2	3	4
Squeeze number				
Date				
Depth interval				
Type cement				
Volume of cement				
Additive				
Retarder				
Weight of slurry				
Preceding fluid				
Breakdown pressure				
Max. pressure-stage 1				
" " 2				
" " 3				
Final maximum pressure				
Started pumping cement				
Released pressure				
Start CBL				
Finish CBL				
AVERAGE WELL DRIFT:				
° from _____ to _____				
° from _____ to _____				

REMARKS

NOT CENTRALIZED DUE TO SIZE OF RISER PIPE

LOG NOT RELIABLE DUE TO LARGE CASING & Lack of centralizers

SINGLE RECEIVER ΔT
microseconds

400 600

6" CALIPER (9' STATION)
16"

BOND LOG
millivolts

BONDING INCREASES

0 50 100

DEPTHS

560

SINGLE RECEIVER ΔT
microseconds

400 600

6" CALIPER (9' 5" MARK)

DEPTHS

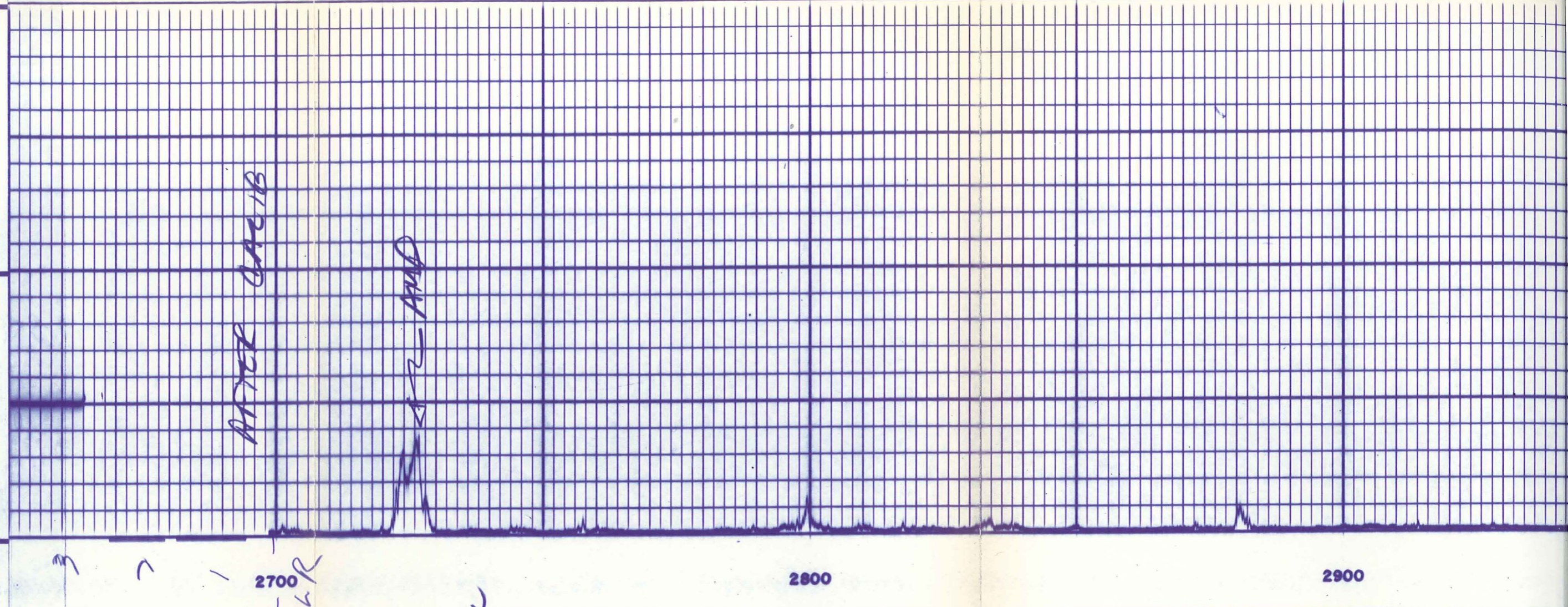
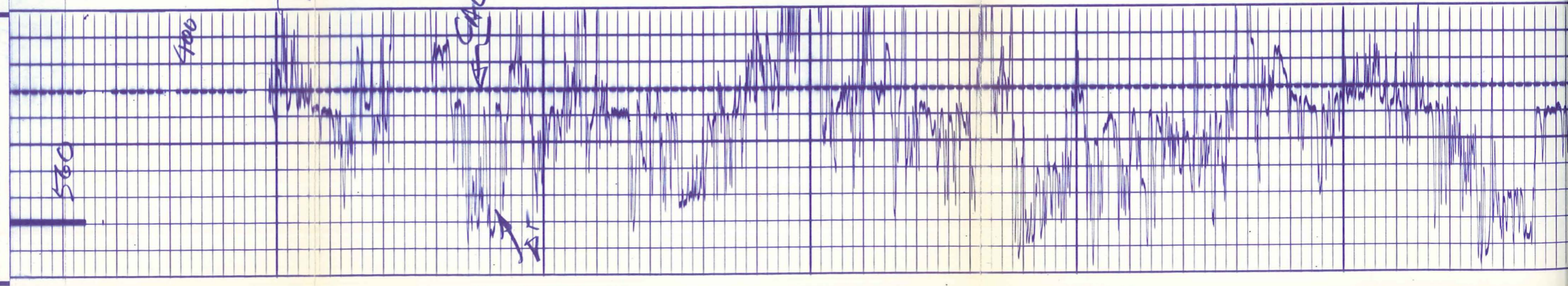
BOND LOG
millivolts

BONDING INCREASES

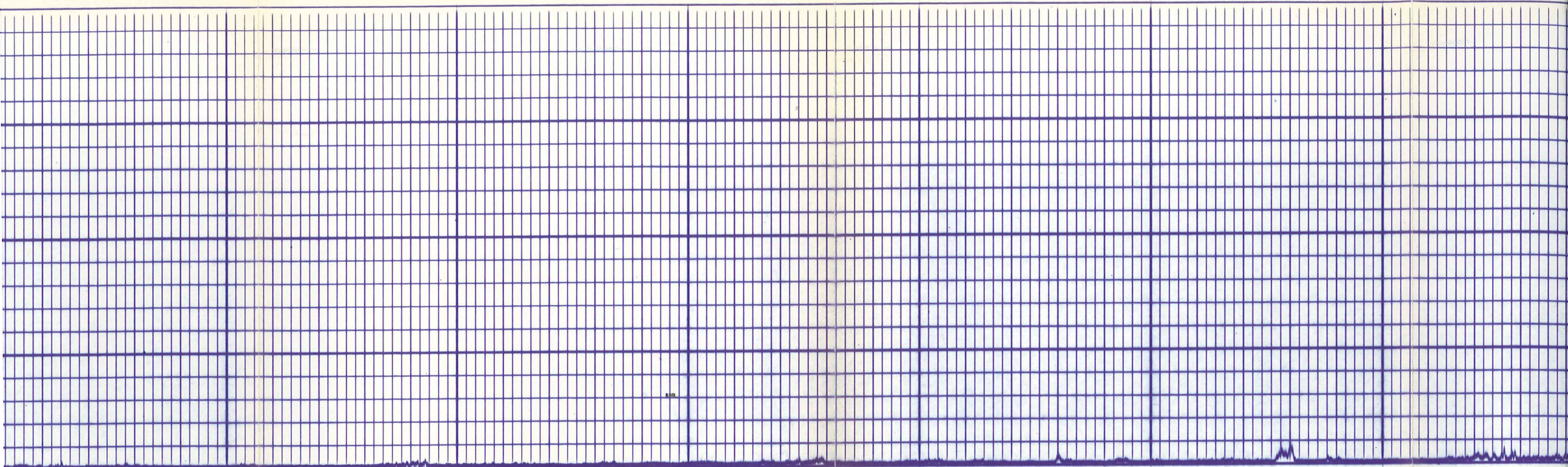
0

50

100



2900

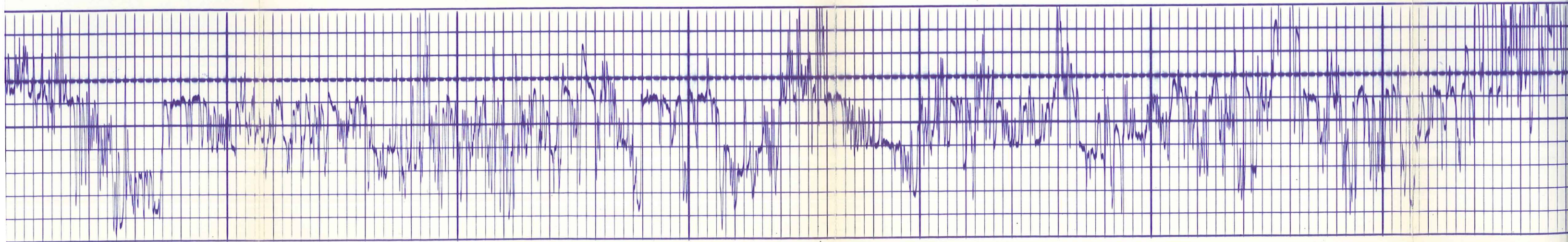


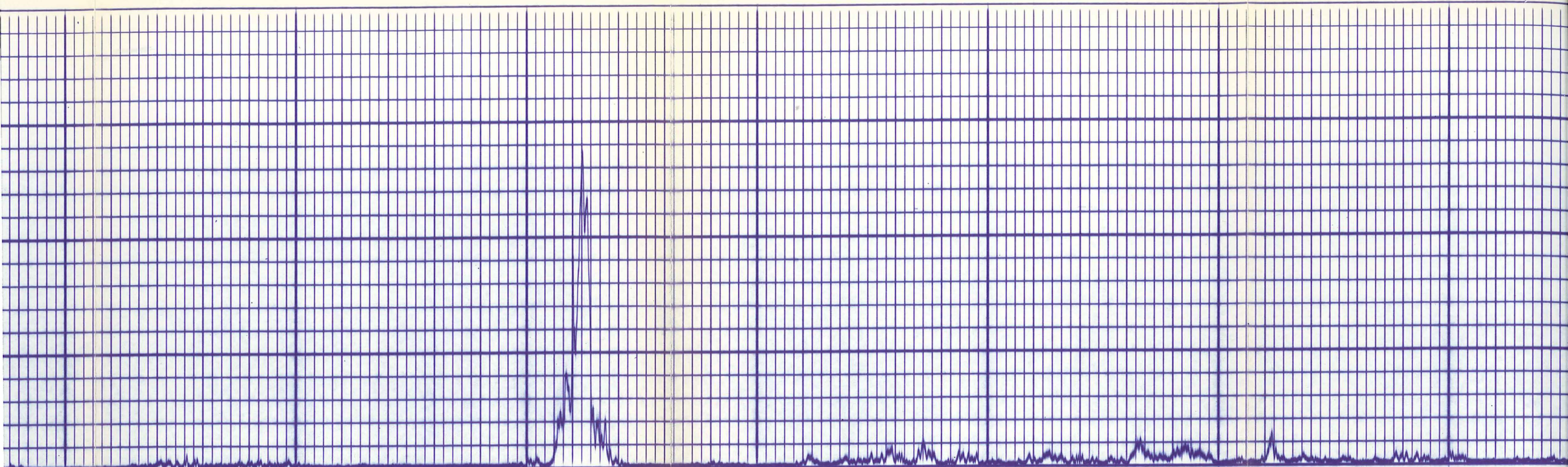
0

3000

3100

3200





3200

3300

3400

3500

