

GL029660
Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

COUNTY	FIELD	LOCATION	WELL	COMPANY
NE SW	RRGP #5	RAFT RIVER	E G & G	IDAHO, INC.
API SERIAL NO.	SEC.	TWP	RANGE	STATE
22	15S	26E		IDAHO
Permanent Datum: <u>GL</u> , Elev.: <u>4988</u> Log Measured From: <u>KB</u> , <u>16</u> Ft. Above Perm. Datum Drilling Measured From: <u>KB</u> , Elev.: <u>5004</u> D.F.: <u>4988</u>				
Other Services:	BHC/GR/TTI BGT CALIPER HRT, ICS FBS FDC/CNL/GR			
Date	Run No.	Depth-Driller	Depth-Logger	Depth-Bim. Log Interval
9/13/78	ONE	4925	4936	4930
				Top Log Interval
				3360
				Casing-Driller
				95/8 @ 3408
				Casing-Logger
				3417
				Bit Size
				8.75
Type Fluid in Hole: FORMATION WATER (FLOWING)				
Dens. Visc.				
pH Fluid Loss				
Source of Sample				
Rm @ Meas. Temp.				
Rmf @ Meas. Temp.				
Rmc @ Meas. Temp.				
Source: Rmf Rmc				
Rm @ BHT				
Circulation Stopped				
Logger on Bottom				
Max. Rec. Temp.				
Equip. Location				
Recorded By				
Witnessed By				

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

Run No.	Service Order No.	Fluid Level	Salinity ppm. cl	Speed F.P.M.	SCALE CHANGES	REMARKS		
					Type Log	Depth	Scale Up Hole	Scale Down Hole
ONE	39834	FULL		60				
EQUIPMENT DATA								
Panel No.	LEM	BB	164					
Cart No.			10					
Sonde No.			14					
Mem. Panel No.			CSU					
G.R. Panel No.	NLM	BB	178					
G.R. Cart No.		JAA	1140					
Tape Recorder - (TTR)			CSU					
Depth Encoder - (DRE)			CSU					
Pressure Wheel - (CPW)			CSU					
Type Centralizers			4 FIN					
Stand Off - Inches			1.50					
CALIBRATION DATA								
SBR			1.00					
Sonde Error - ILM			4.30					
Sonde Error - ILD			4.50					
G.R. BKG. - CPS.			67					
G.R. Source - CPS.			211					
S.E. Set In Hole - Depth			4800					
S.E. Corr. - Hole Size								
LOGGING DATA								
SBR			1.00					
S.E. Log - ILM			6.0					
S.E. Log - ILD			-8.10					
G.R. Scale per 100 Div.			15/DIV.					
G.R. - T.C.								
G.R. Sens.			0-150					

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

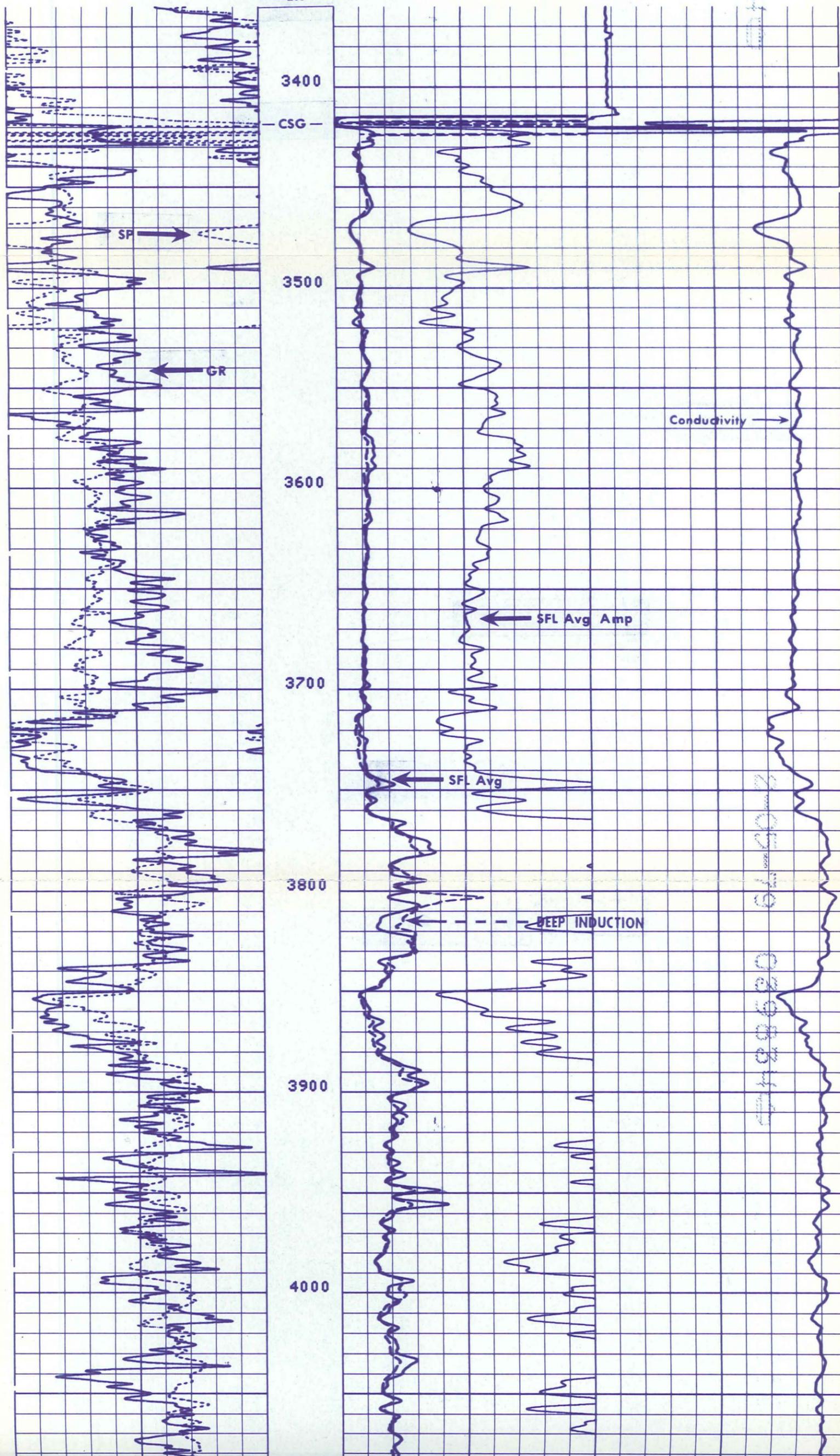
GR (GAPI)	0.0	150.0
SP (MV)	-100.0	0.0
ILD (OHMM)	0.0	100.0
SFLA (OHMM)	0.0	20.00
SFLA (OHMM)	0.0	100.0
CILD (MM/MX)	0.0	500.0
		0.0

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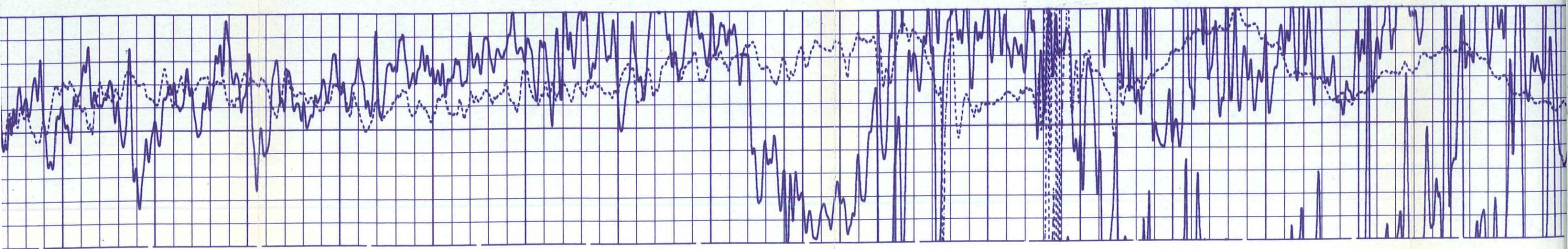
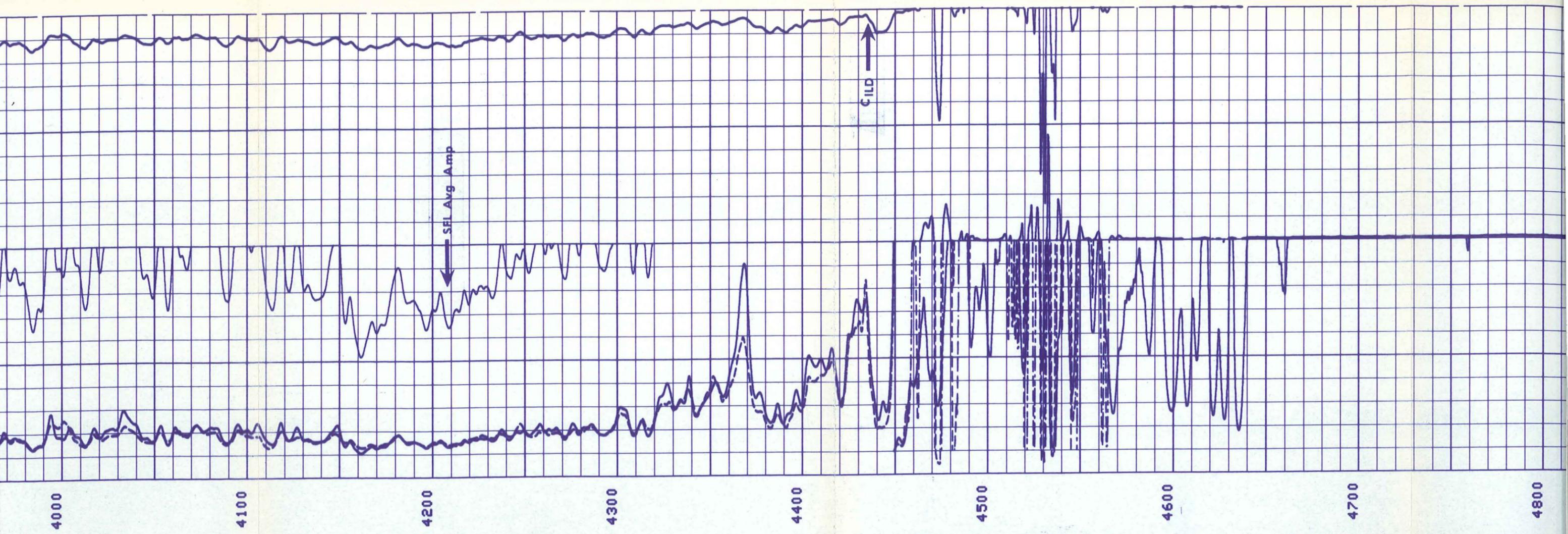
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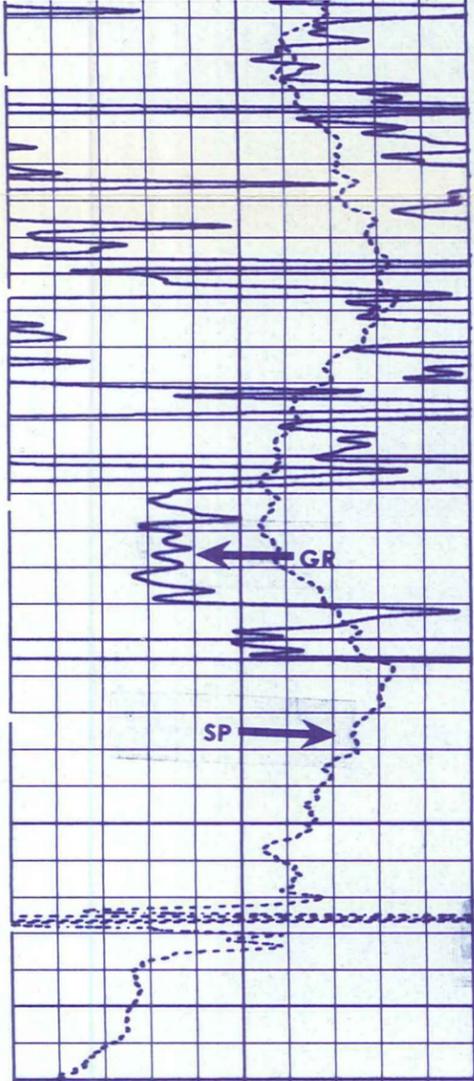
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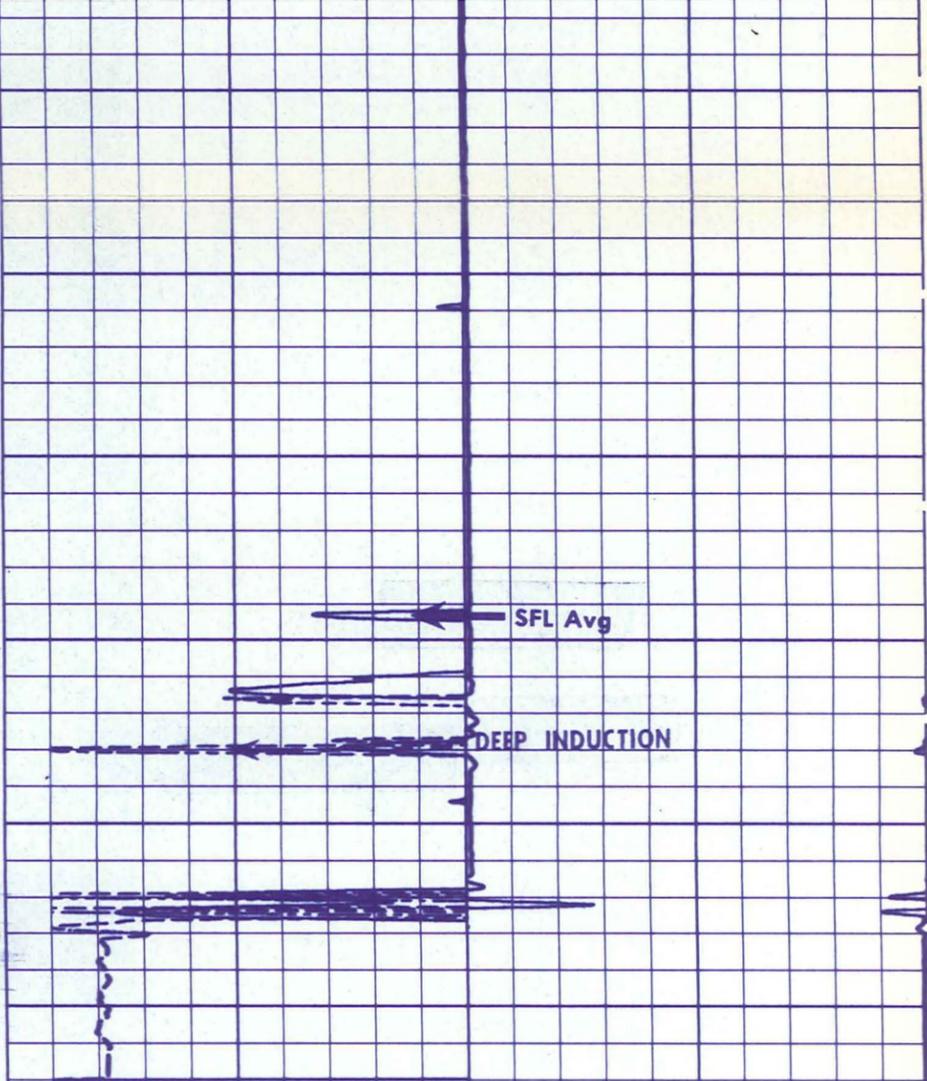
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GR (GAPI)	
0.0	150.0
SP (MV)	
-100.0	0.0

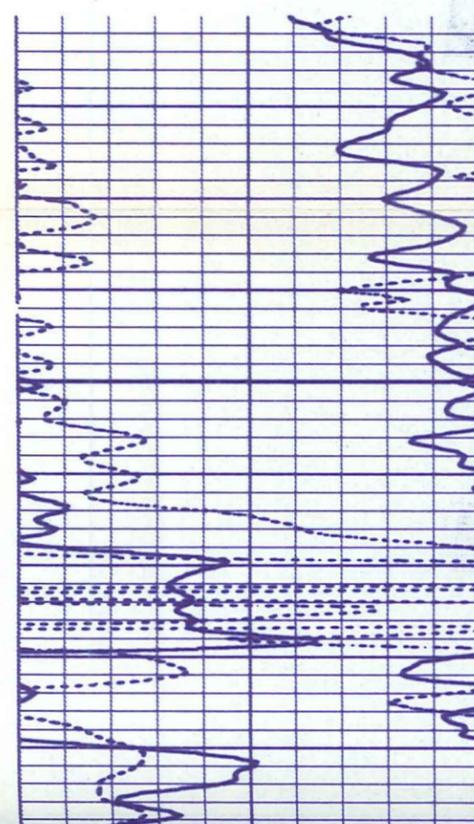
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0.0		
SFLA (DHMM)		20.00
0.0		
SFLA (DHMM)		100.0
0.0	500.0	CILD (MM/M)
		0.0

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GR (GAPI)	
0.0	150.0
SP (MV)	
-100.0	0.0

TENS (LB)		10000.	0.0
ILD (DHMM)		0.2000	2000.
ILM (DHMM)		0.2000	2000.
SFLU (DHMM)		0.2000	2000.

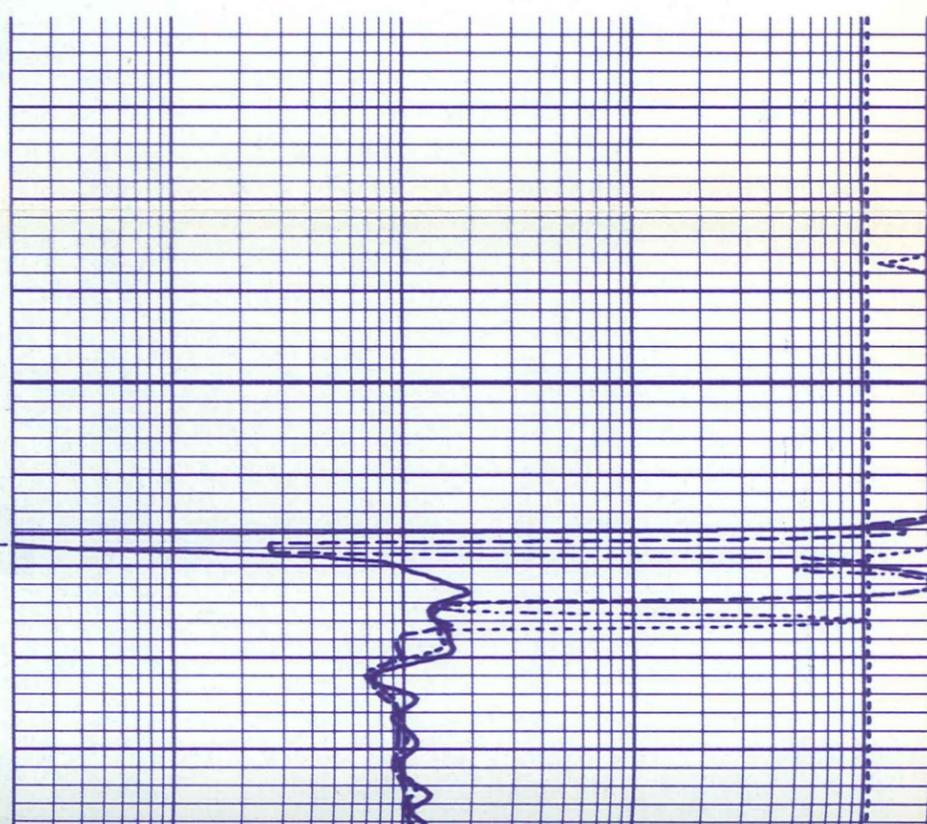
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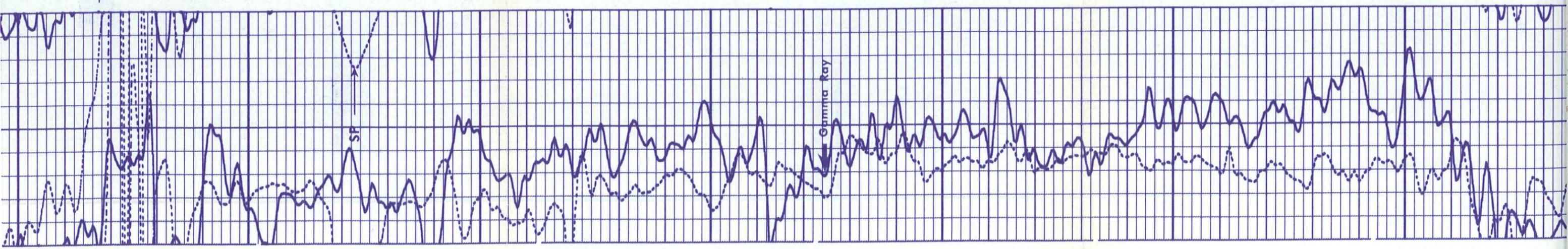
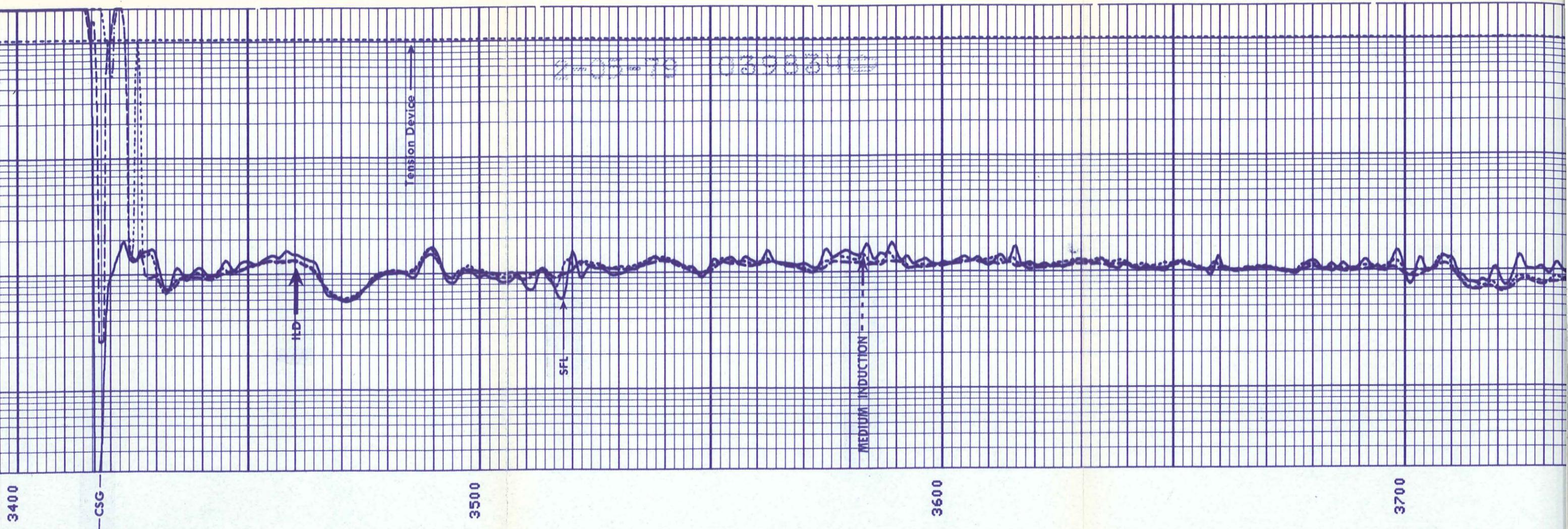
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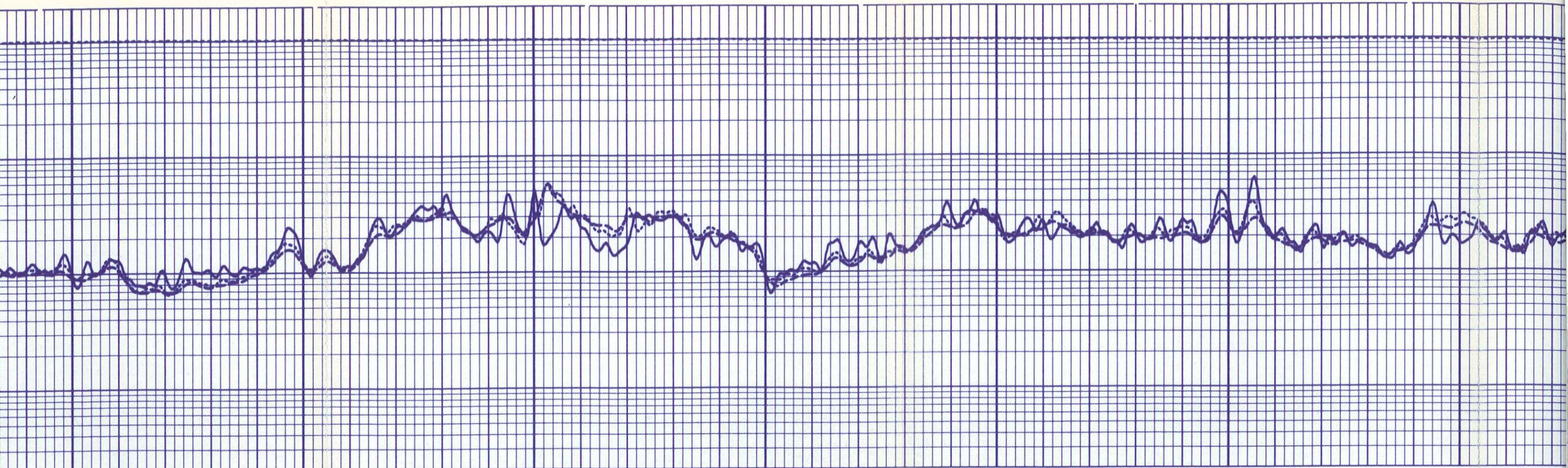
CSG



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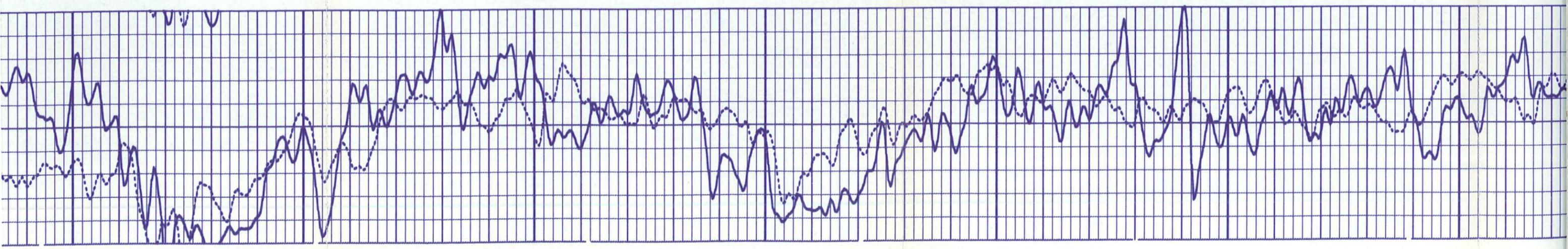


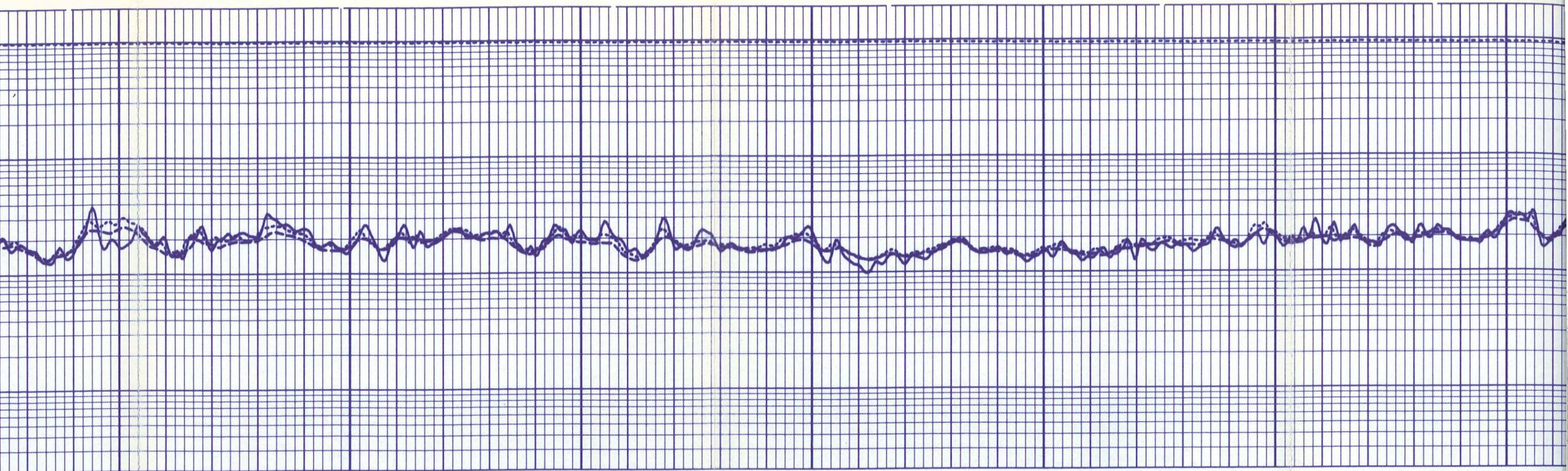
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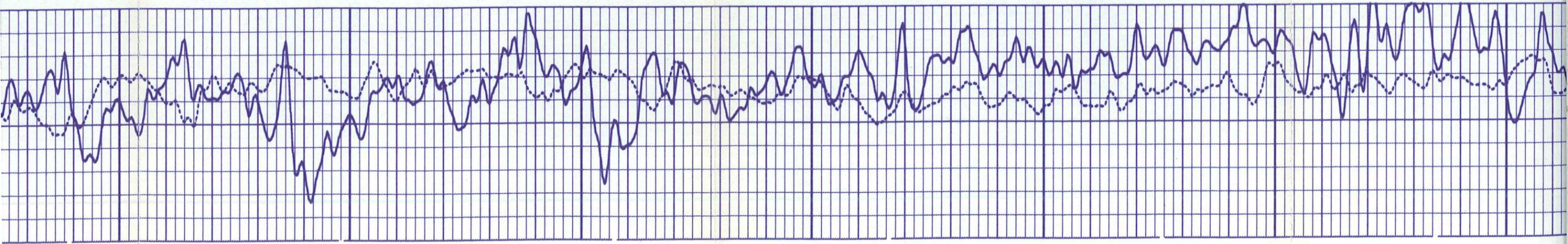


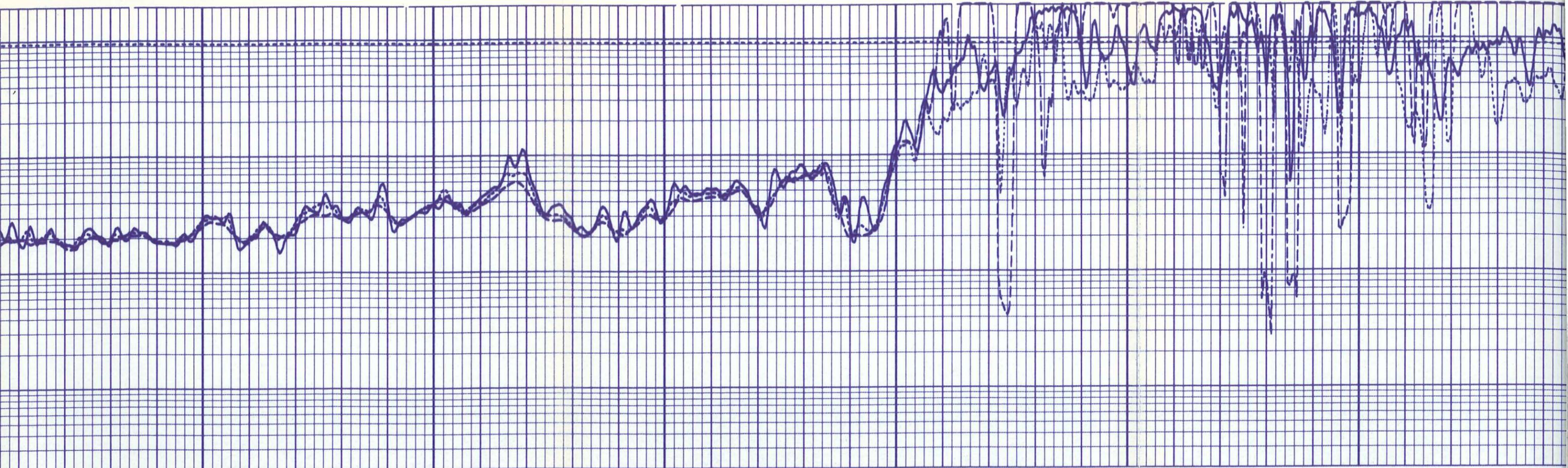
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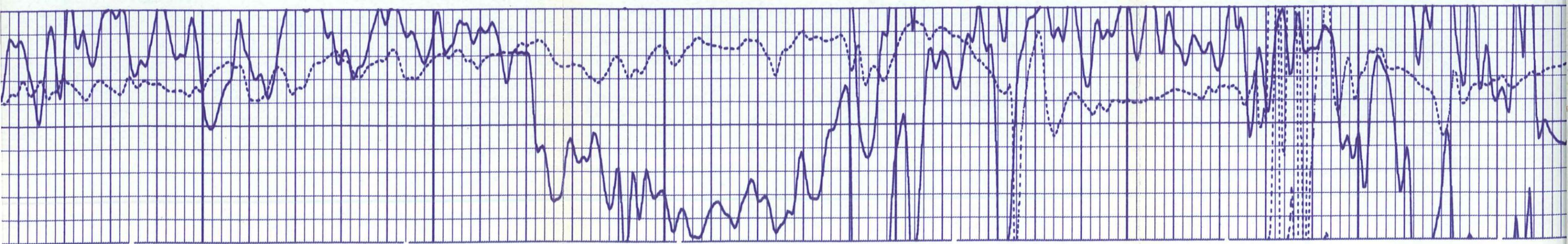


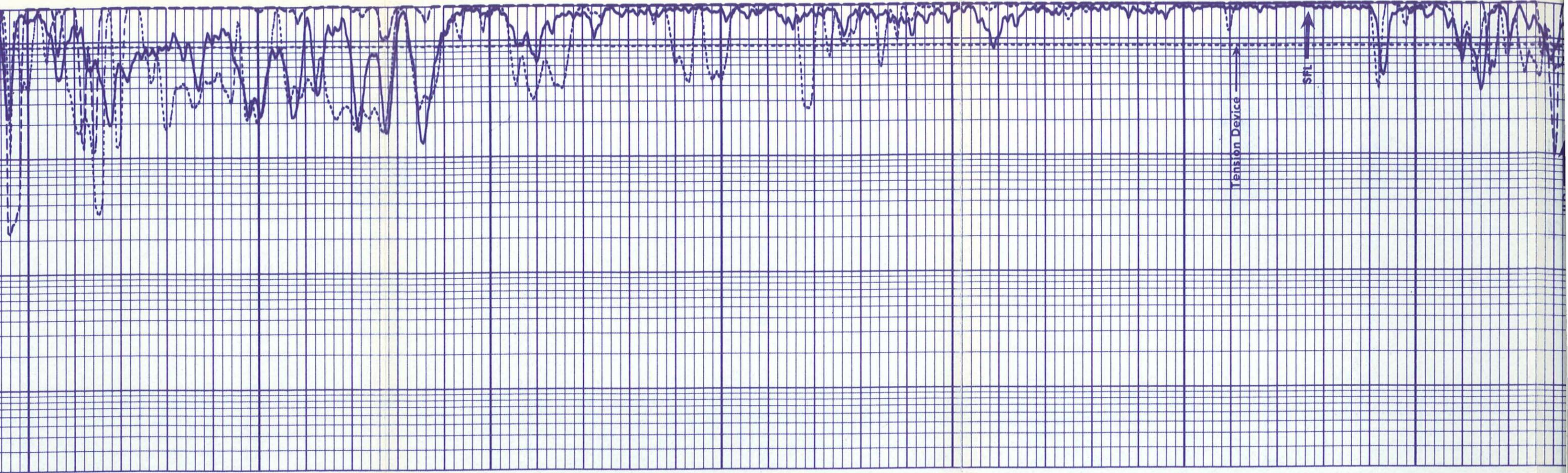


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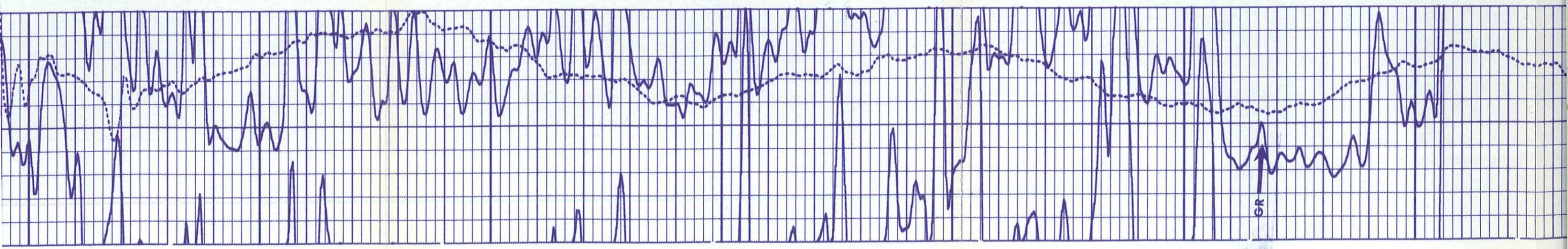




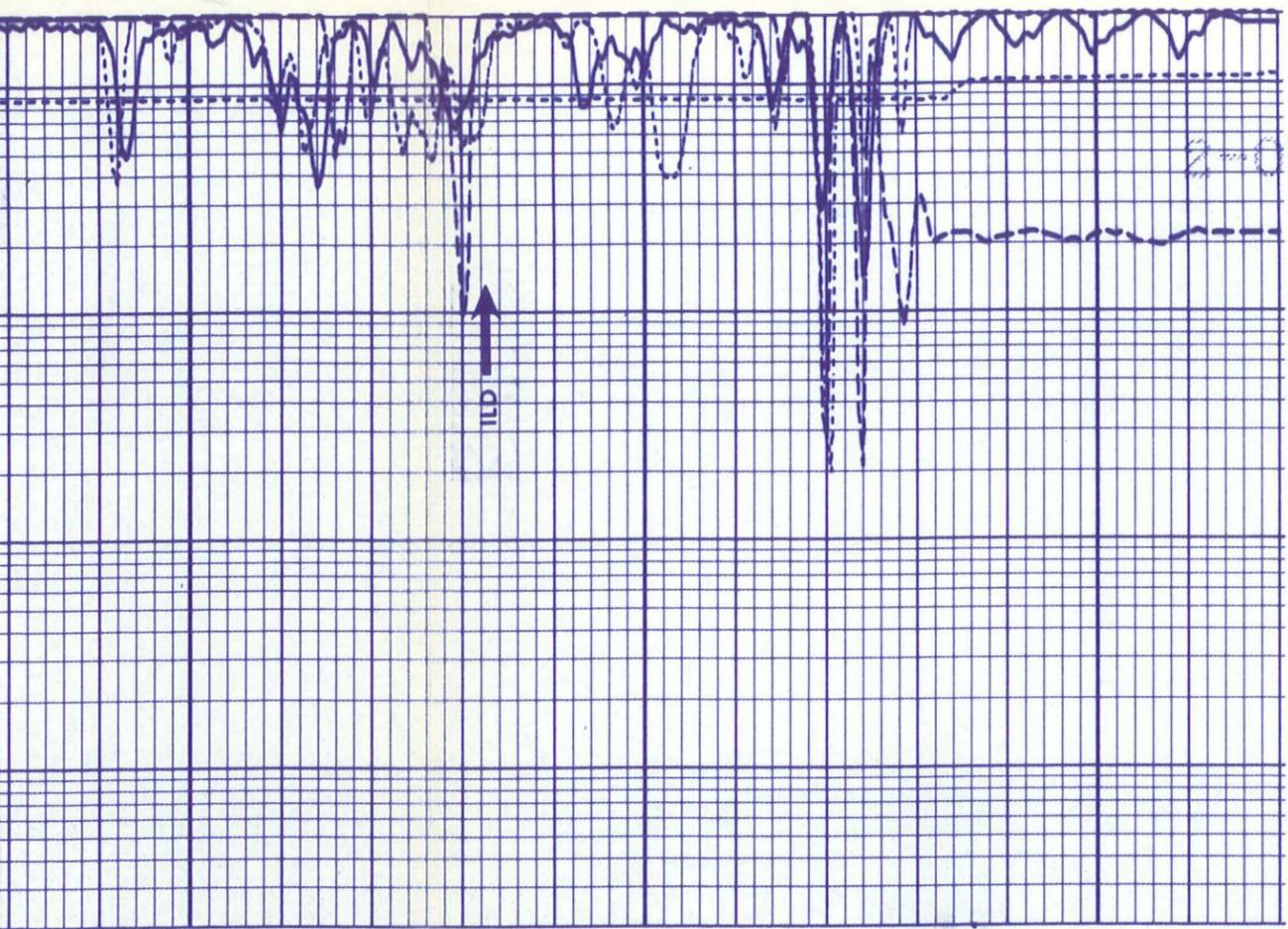
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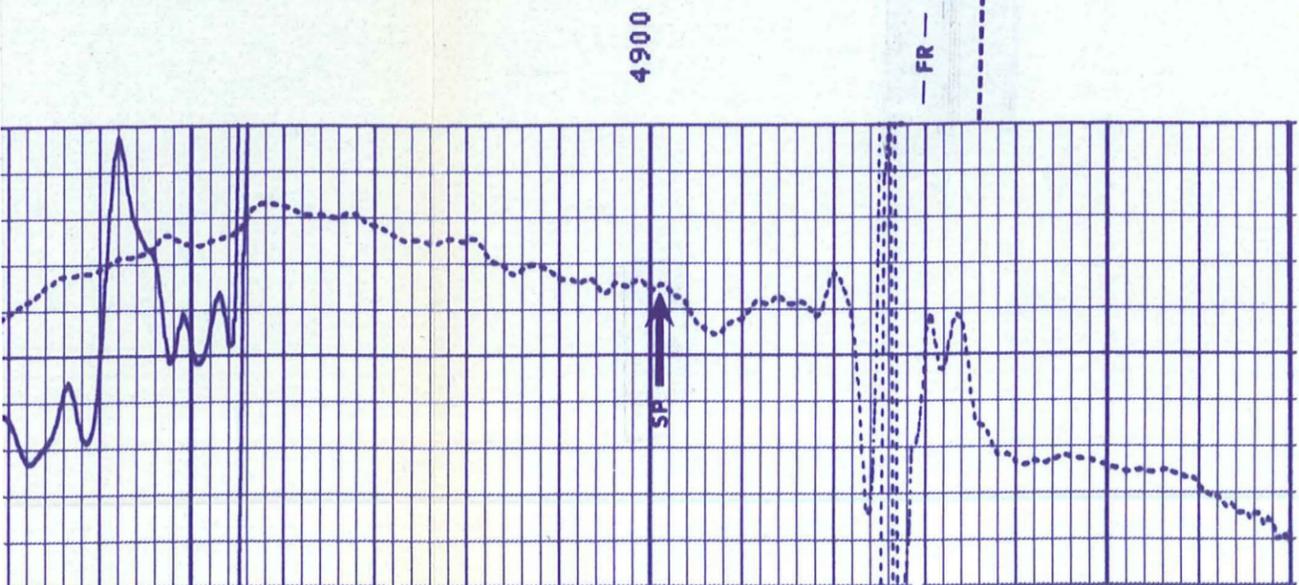


GR

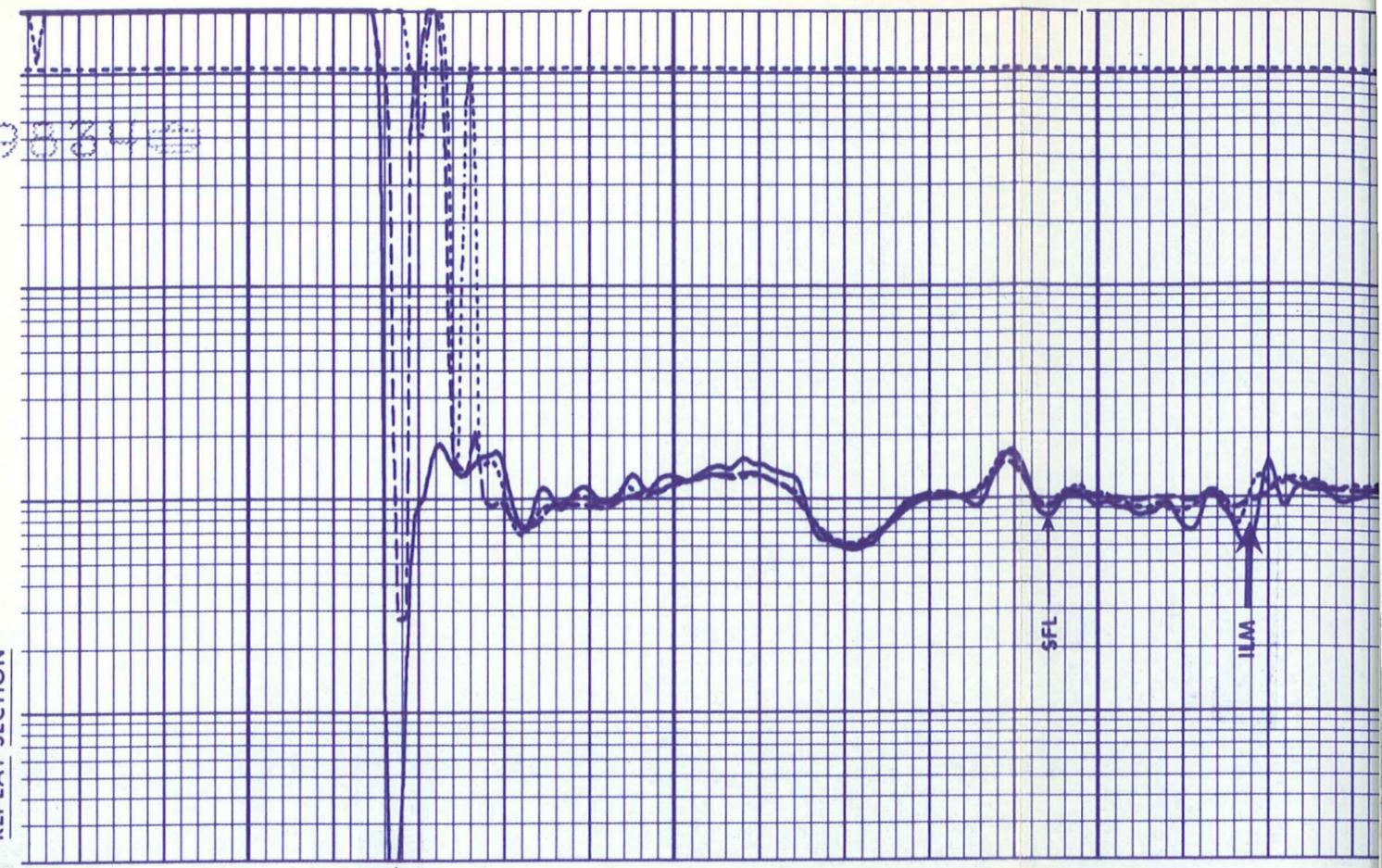


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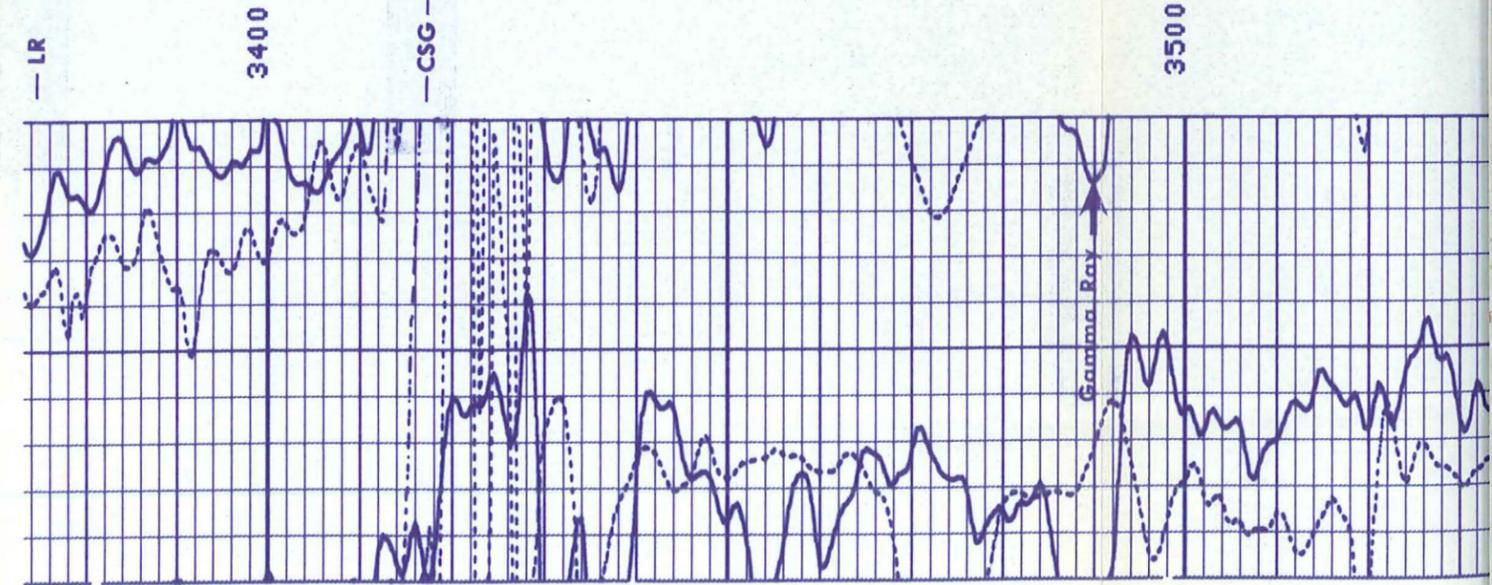
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REPEAT SECTION



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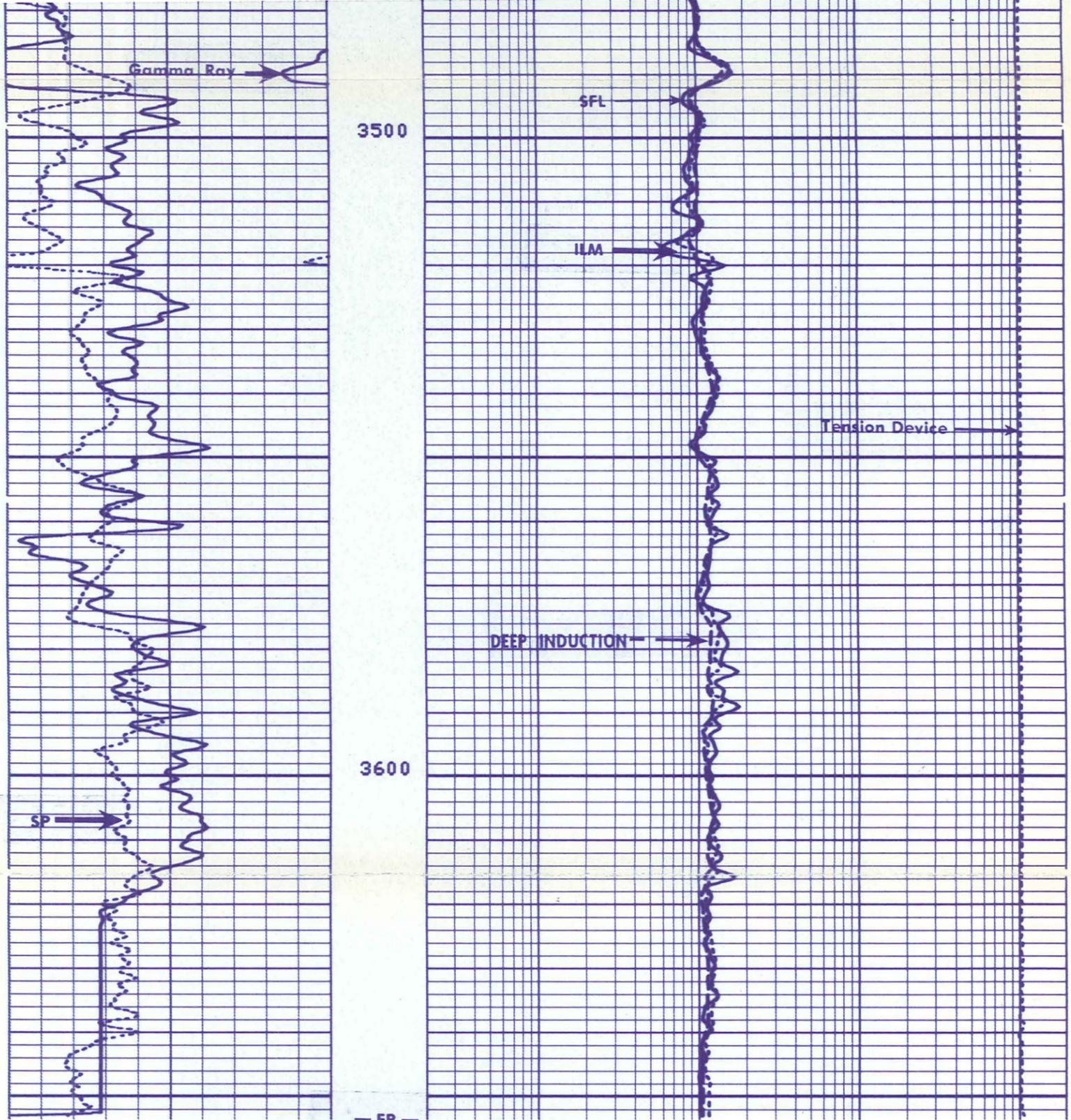
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	GR (GAPI)	
0.0		150.0
	SP (MV)	
-100.0		0.0

	TENS(LB)	
	10000.	0.0
0.2000	ILD (OHMM)	2000.
0.2000	ILM (OHMM)	2000.
0.2000	SFLU(OHMM)	2000.

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BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 78/09/13
PROGRAM FILE: IS (VERSION 10.52 78/ 6/28)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		UNITS
	ZERO	PLUS	ZERO	PLUS	
ILD	5.5	663.5	0.0	499.9	MM/M
ILM	3.8	529.5	0.0	499.9	MM/M
SFL	2.7	544.5	0.0	499.9	MM/M
ILM	SONDE ERROR CORRECTION :		6.0	MM/M	
ILD	SONDE ERROR CORRECTION :		-81.0	MM/M	

SGTE DETECTOR CALIBRATION SUMMARY

MEASURED	UNITS	CALIBRATED	UNITS
BKGD	JIG		

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		UNITS
	ZERO	PLUS	ZERO	PLUS	
ILD	5.5	663.5	0.0	499.9	MM/M
ILM	3.8	529.5	0.0	499.9	MM/M
SFL	2.7	544.5	0.0	499.9	MM/M

ILM SONDE ERROR CORRECTION : 6.0 MM/M
 ILD SONDE ERROR CORRECTION : -81.0 MM/M

SGTE DETECTOR CALIBRATION SUMMARY

GR	MEASURED		CALIBRATED	UNITS
	BKGD	JIG		
	67	211	164	GAPI

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AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 78/09/13
 PROGRAM FILE: IS (VERSION 10.52 78/ 6/28)

DITD TOOL CHECK

	ZERO		PLUS		UNITS
	BEFORE	AFTER	BEFORE	AFTER	
ILD	-4.6	-4.5	596.8	626.5	MM/M
ILM	0.0	0.0	499.9	508.5	MM/M
SFL	0.0	0.1	499.9	497.1	MM/M

ILM SONDE ERROR CORRECTION : 6.0 MM/M
 ILD SONDE ERROR CORRECTION : -81.0 MM/M

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SHOP SUMMARY

PERFORMED: 78/07/25
 PROGRAM FILE: SHOP (VERSION 10.51 78/ 5/12)

DITD ELECTRONICS CALIBRATION SUMMARY

	ELECTRONICS CALIBRATION				SONDE ERROR CORR.	TEST LOOP	UNITS
	MEASURED		CALIBRATED				
	ZERO	PLUS	ZERO	PLUS			
ILD	4.6	538.6	0.0	499.9	6.42	532.6	MM/M
ILM	2.3	522.4	0.0	499.9	5.17	521.8	MM/M

(IS:14 , IC:10)

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