

G102564 - DOCS

Schlumberger		DUAL INDUCTION-SFL WITH LINEAR CORRELATION LOG			
COMPANY <u>E G G</u>					
WELL <u>INEL # 1</u>					
FIELD <u>WILDCAT</u>					
COUNTY <u>BUTTE</u> STATE <u>IDAHO</u>					
LOCATION	API SERIAL NO	SEC	TWP	RANGE	Other Services: HRT FDC/CML/GR HGT
		<u>1</u>	<u>3N</u>	<u>29E</u>	
Permanent Datum: <u>GL</u>	Elev.: <u>4874.86</u>				Elev.: K.B. <u>4895</u>
Log Measured From: <u>GL</u>	Fr. Above Perm. Datum				D.F. <u>GL 4874.86</u>
Drilling Measured From: <u>GL</u>					G.L. <u>4874.86</u>
Date	<u>3/3/79</u>	<u>3/28/79</u>	<u>5/10/79</u>		
Run No.	<u>ONE</u>	<u>TWO</u>	<u>THREE</u>		
Depth-Driller	<u>1524</u>	<u>3558 (STRAP)</u>	<u>9316</u>		
Depth-Logger	<u>1468</u>	<u>3554</u>	<u>9603</u>		
Blm. Log Interval	<u>1462</u>	<u>3548</u>	<u>9697</u>		
Top Log Interval	<u>40</u>	<u>1494</u>	<u>3556</u>		
Casing-Driller	<u>30 @ 40'</u>	<u>20 @ 1511</u>	<u>13 3/8 @ 3559</u>		
Casing-Logger	<u>40</u>	<u>1512</u>	<u>3556</u>		
Bit Size	<u>26</u>	<u>17 5/8</u>	<u>12 25/32</u>		
Type Fluid in Hole	<u>FGM</u>	<u>LSND</u>	<u>FRESH WATER</u>		
Dens. Visc.	<u>8.5 50</u>	<u>8.0 57</u>	<u>NA NA</u>		
pH Fluid Loss	<u>ml</u>	<u>ml</u>	<u>ml</u>		
Source of Sample	<u>MUDTANK</u>	<u>MUD TANK</u>	<u>MUD TANK</u>		
Rm @ Meas. Temp.	<u>6.07 @ 45 F</u>	<u>8.57 @ 70 F</u>	<u>15.5 @ 58 F</u>		
Rmf @ Meas. Temp.	<u>5.77 @ 75 F</u>	<u>8.94 @ 59 F</u>	<u>15.5 @ 58 F</u>		
Rmc @ Meas. Temp.	<u>9.11 @ 45 F</u>	<u>12.8 @ 70 F</u>	<u>15.5 @ 58 F</u>		
Source: Rmf Rmc	<u>M C</u>	<u>M C</u>	<u>M C</u>		
Rm @ BHT	<u>4.34 @ 63 F</u>	<u>5.22 @ 116 F</u>	<u>4.07 @ 221 F</u>		
Circulation Stopped	<u>3/3 @ 1500</u>	<u>3/28 @ 0130</u>	<u>0500</u>		
Logger on Bottom	<u>3/4 @ 1400</u>	<u>3/28 @</u>	<u>1300</u>		
Max. Rec. Temp.	<u>63 F</u>	<u>123 F</u>	<u>221 F</u>		
Equip. Location	<u>8073 EVSTN</u>	<u>8060 EVSTN</u>	<u>7674 VERNAL</u>		
Recorded By	<u>R21VO</u>	<u>ROONEY</u>	<u>GALES / VALENT</u>		
Witnessed By	<u>NEWMAN</u>	<u>STRAWN / WELSON</u>	<u>GOLDMAN / STRAWN</u>		

Reproduced By
Electrical Log Services
MIDLAND, TEXAS 79701

REFERENCE K 36717



35 COMPLETION RECORD

SPUD DATE _____

COMP DATE _____

DST RECORD _____

API NO. 11-023-60001

CASING RECORD _____

PERFORATING RECORD _____

ACID. FRAC SHOT _____

IP _____

GOR _____ GR _____

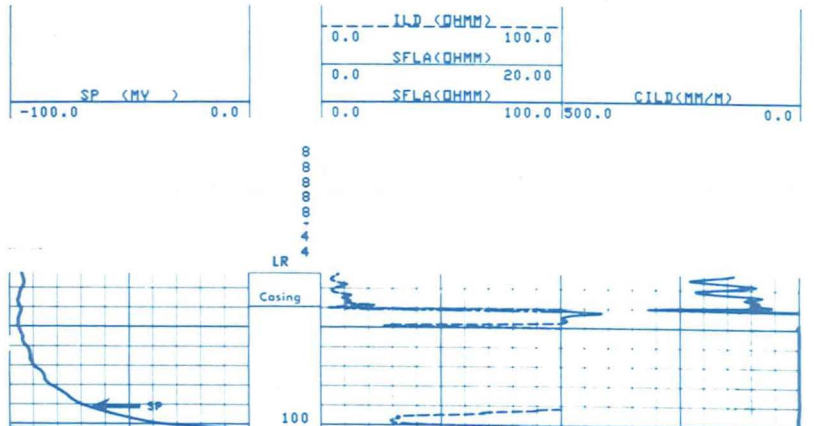
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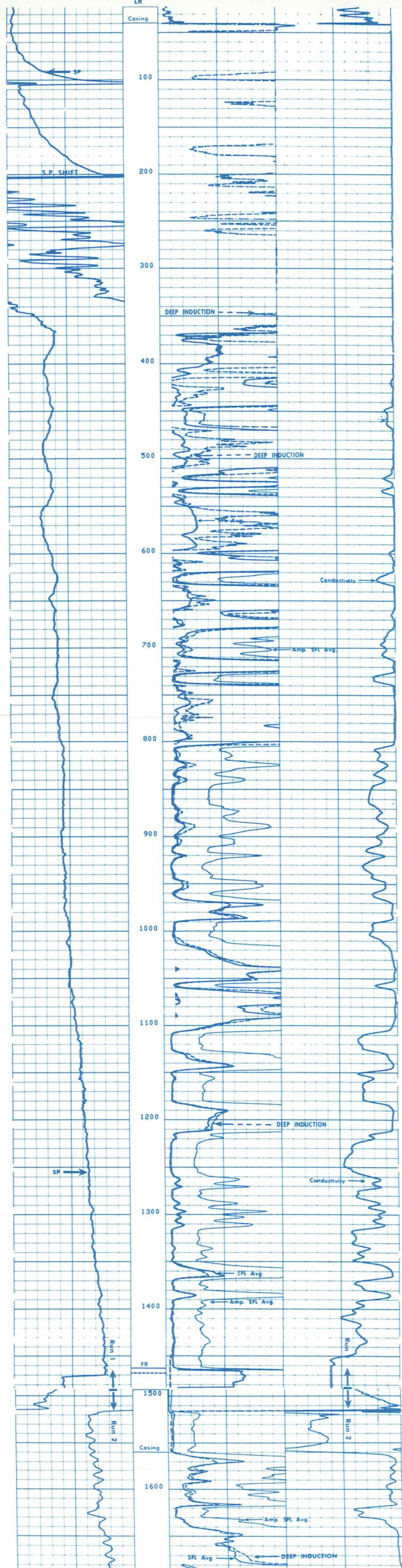
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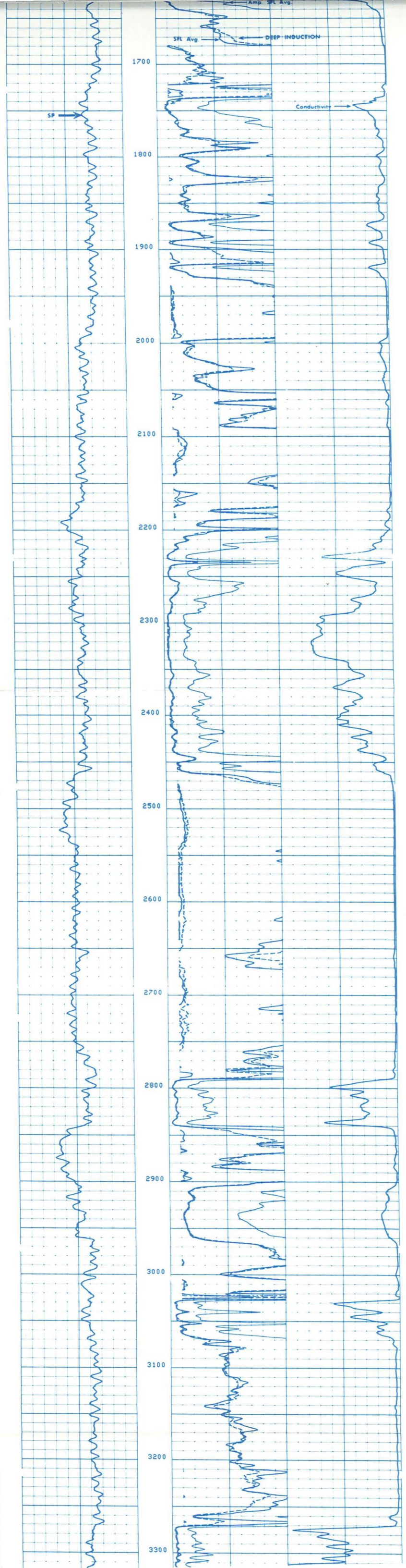
REPRODUCTION FOR RESALE PROHIBITED

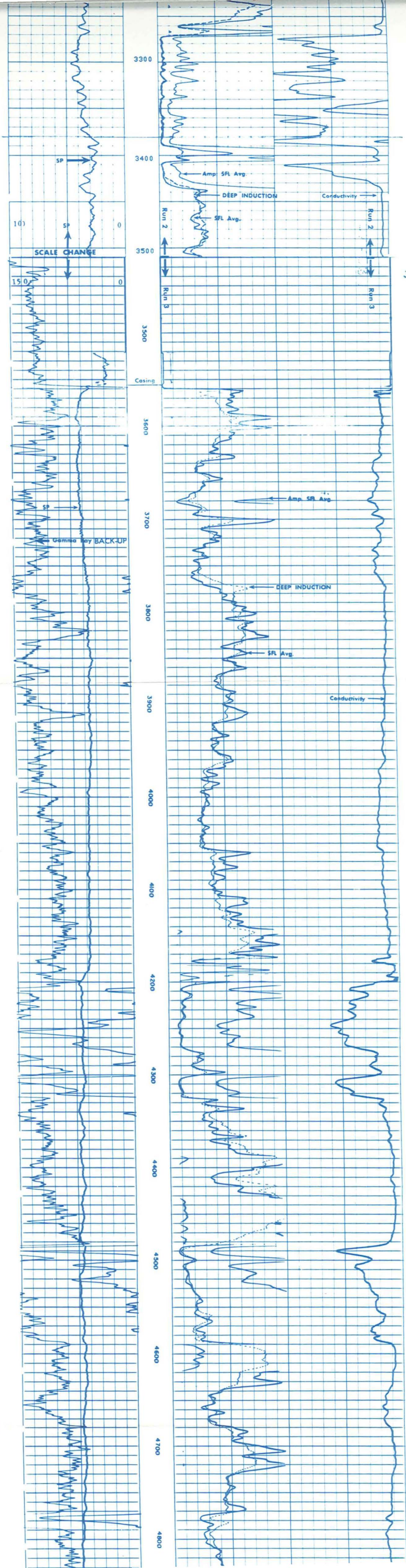
Run No.	ONE	TWO	THREE	SCALE CHANGES			
Service Order No.	<u>3963</u>	<u>40303</u>	<u>33950</u>	Type Log	Depth	Scale Up Hole	Scale Down Hole
Fluid Level	<u>FULL</u>	<u>FULL</u>	<u>FULL</u>				
Salinity ppm. cl		<u>250</u>					
Speed F.P.M.	<u>60</u>	<u>60</u>	<u>60</u>				
EQUIPMENT DATA							
Panel No.	<u>1/6</u>	<u>1EM 164</u>	<u>3 1/2</u>				
Cart No.	<u>207</u>	<u>10</u>	<u>231</u>				
Sonde No.	<u>204</u>	<u>14</u>	<u>188</u>				
Mem. Panel No.	<u>CSU</u>	<u>CSU</u>	<u>1LPC4C-04</u>				
G.R. Panel No.	<u>CSU</u>		<u>C.P.4P413</u>				
G.R. Cart No.			<u>340</u>				
Tape Recorder - (TR)			<u>CSU 1983</u>				
Depth Encoder - (DRE)			<u>CSU 171</u>				
Pressure Wheel - (CPW)	<u>CSU</u>		<u>CSU 4715</u>				
Type Centralizers	<u>RUI - ER F IN / 4 FIM</u>						
Stand Off - inches	<u>1.50</u>	<u>1.50</u>	<u>1</u>				
CALIBRATION DATA							
SBR	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>				
Sonde Error - ILM	<u>7.27</u>	<u>5.0</u>	<u>6</u>				
Sonde Error - ILD	<u>6.84</u>	<u>7.0</u>	<u>2.6</u>				
G.R. BKG. - CPS			<u>144</u>				
G.R. Source - CPS			<u>598</u>				
S.E. Set In Hole - Depth							
S.E. Corr. - Hole Size							
LOGGING DATA							
SBR	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>				
S.E. Log - ILM	<u>3</u>	<u>5.0</u>	<u>2.6</u>				
S.F. Log - ILD	<u>7.5</u>	<u>7.0</u>	<u>2.6</u>				
G.R. Scale per 100 Div.	<u>150 API</u>		<u>150</u>				
G.P. - T.C.	<u>AUTO</u>		<u>1</u>				
G.P. - S.C.	<u>150/TR</u>		<u>150</u>				

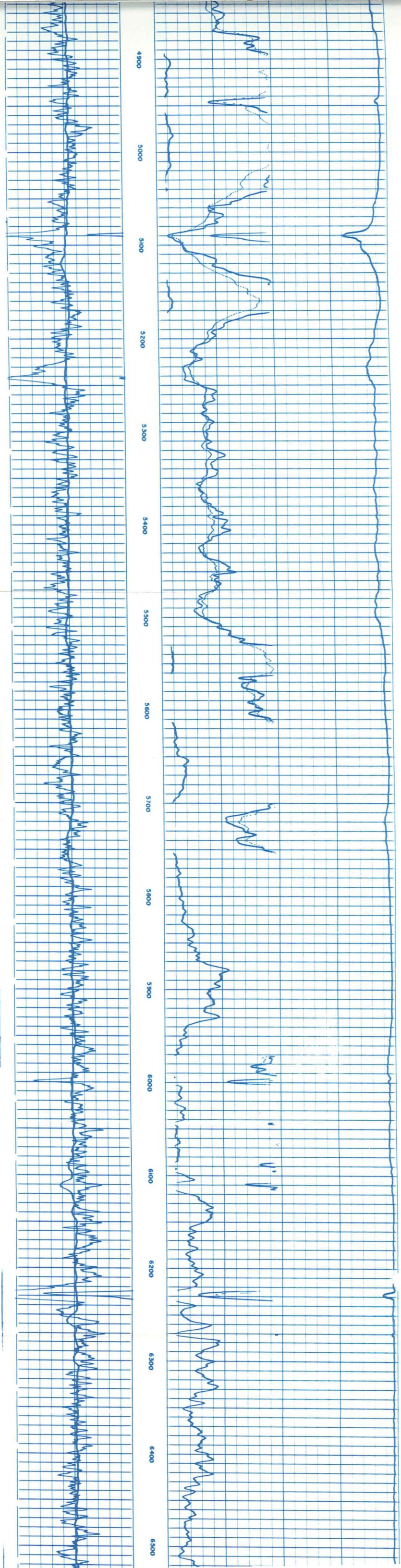
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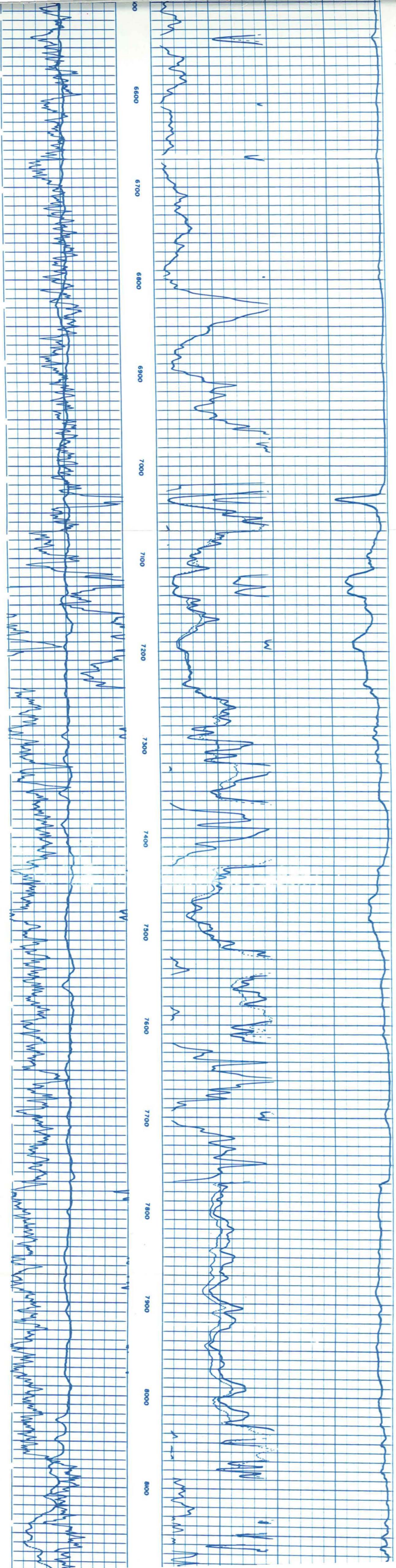


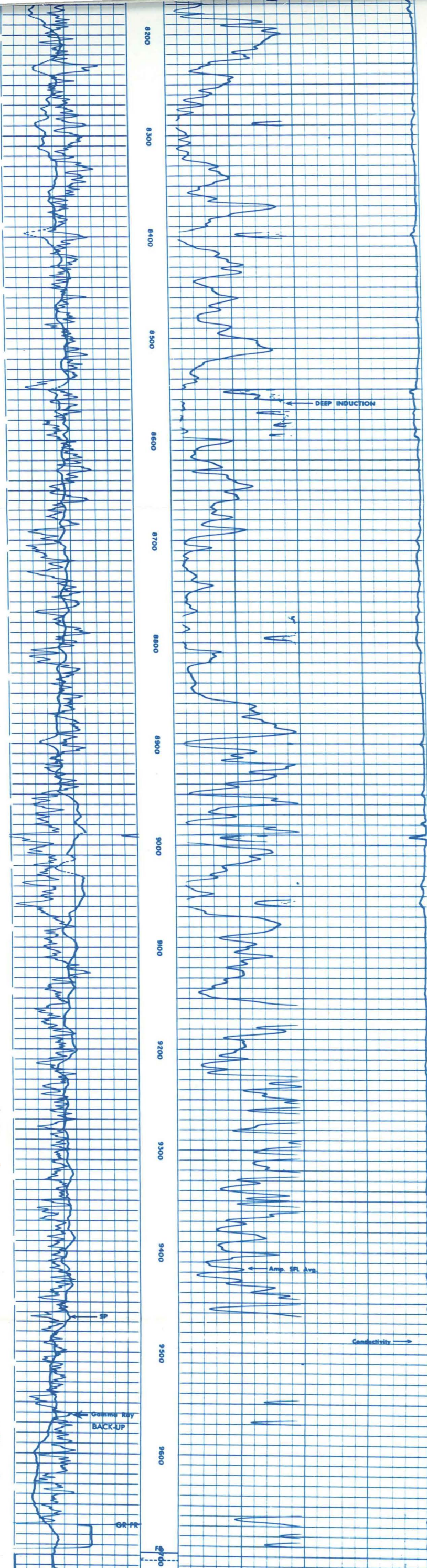












GAMMA RAY API UNITS	
50	150
150	250

SPONTANEOUS-POTENTIAL

DETAIL LOG S PER 100'			
RESISTIVITY OHMS M ² /M			
SPHERICALLY FOCUSED LOGS			
0.2	1.0	10	100 1000 2000
MEDIUM INDUCTION			
0.2	1.0	10	100 1000 2000

SPONTANEOUS-POTENTIAL

15 mV VOLTS

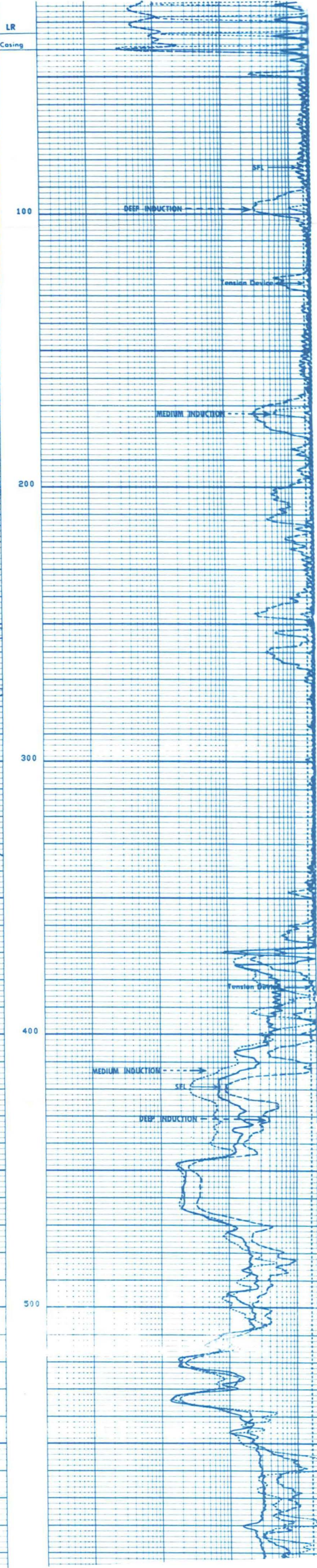
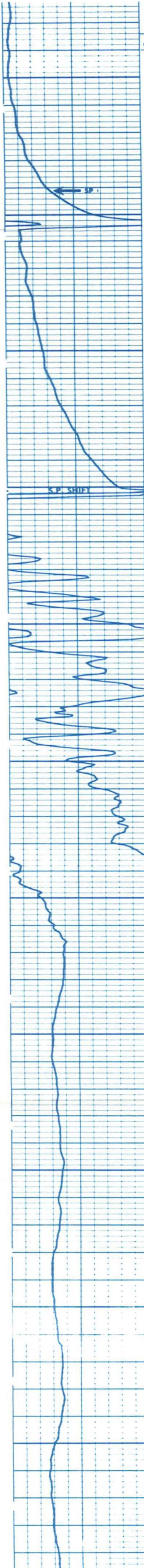
SP (MV) -100.0 0.0

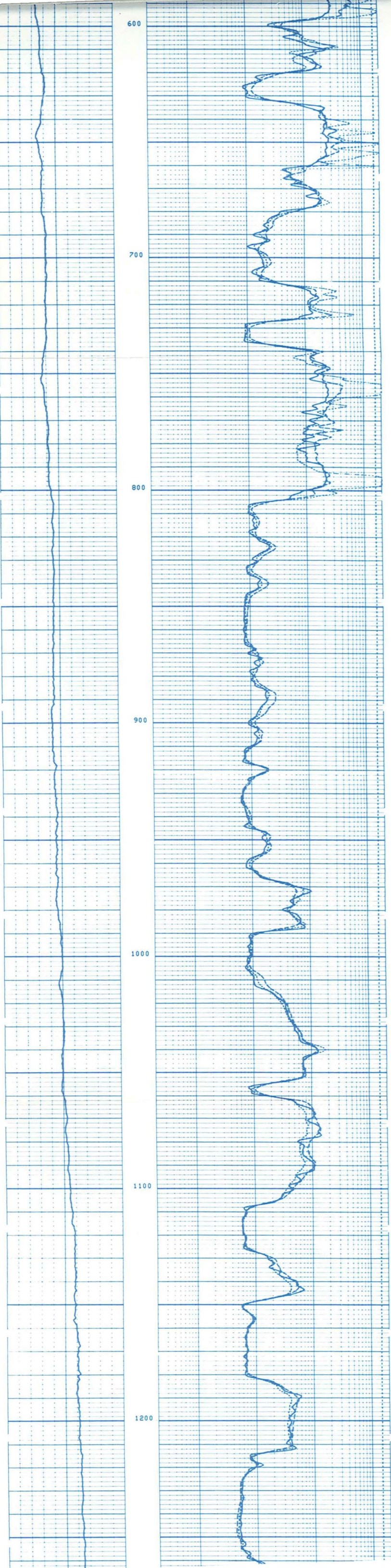
SPHERICALLY FOCUSED LOGS		10	100	1000	2000
0.2	1.0	10	100	1000	2000
MEDIUM INDUCTION		10	100	1000	2000
0.2	1.0	10	100	1000	2000
DEEP INDUCTION		10	100	1000	2000
0.2	1.0	10	100	1000	2000

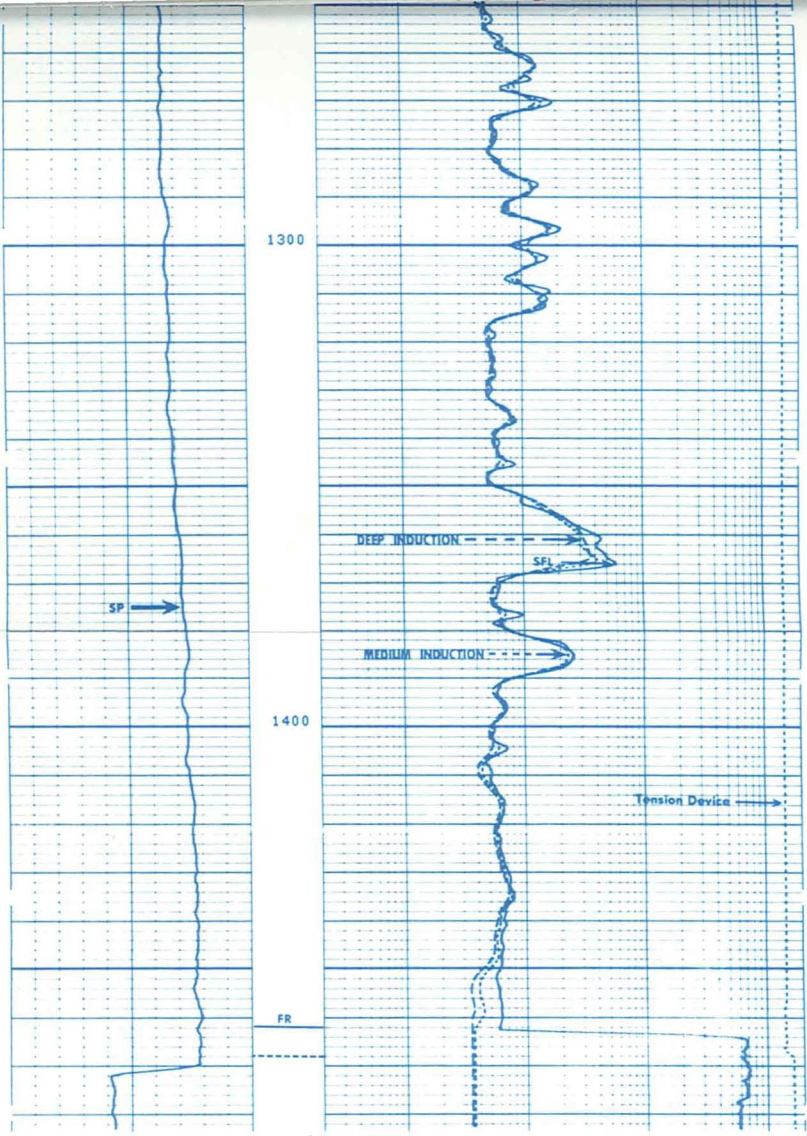
TENS(LB)		10000.	0.0
ILD (OHMM)		0.2000	2000.
ILM (OHMM)		0.2000	2000.
SFLU(OHMM)		0.2000	2000.

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Run 1

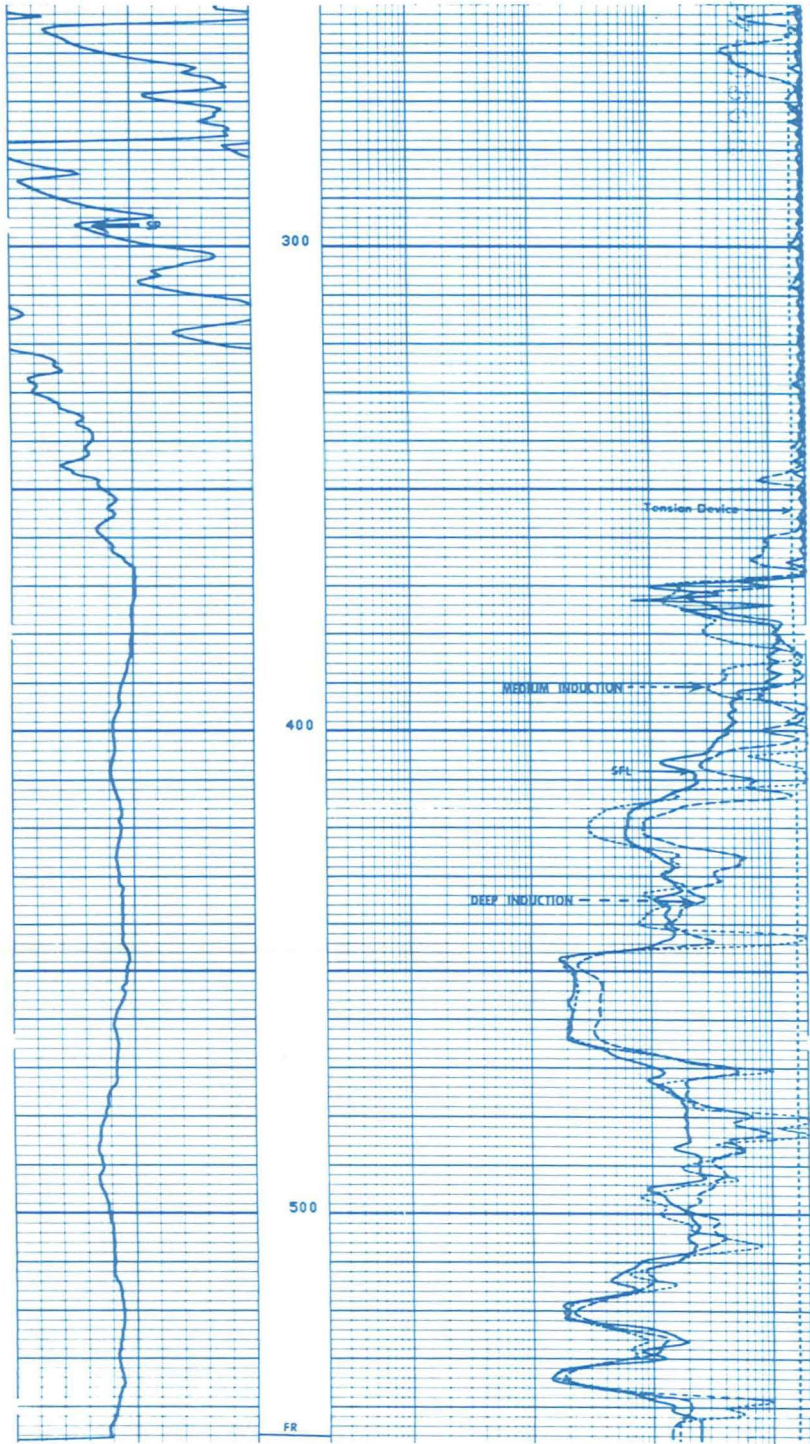






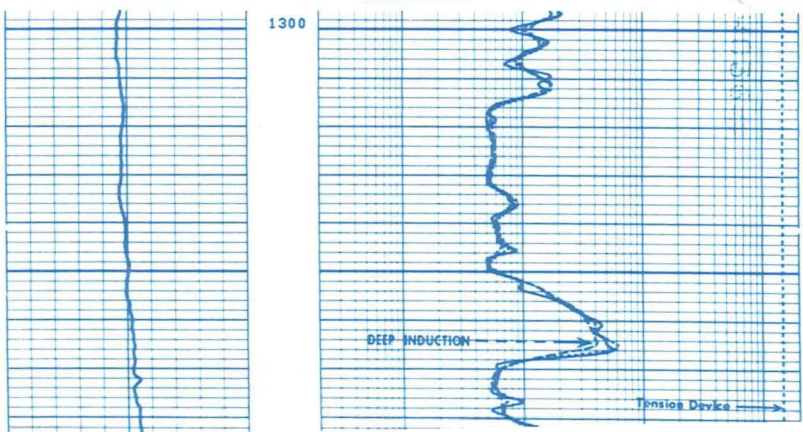
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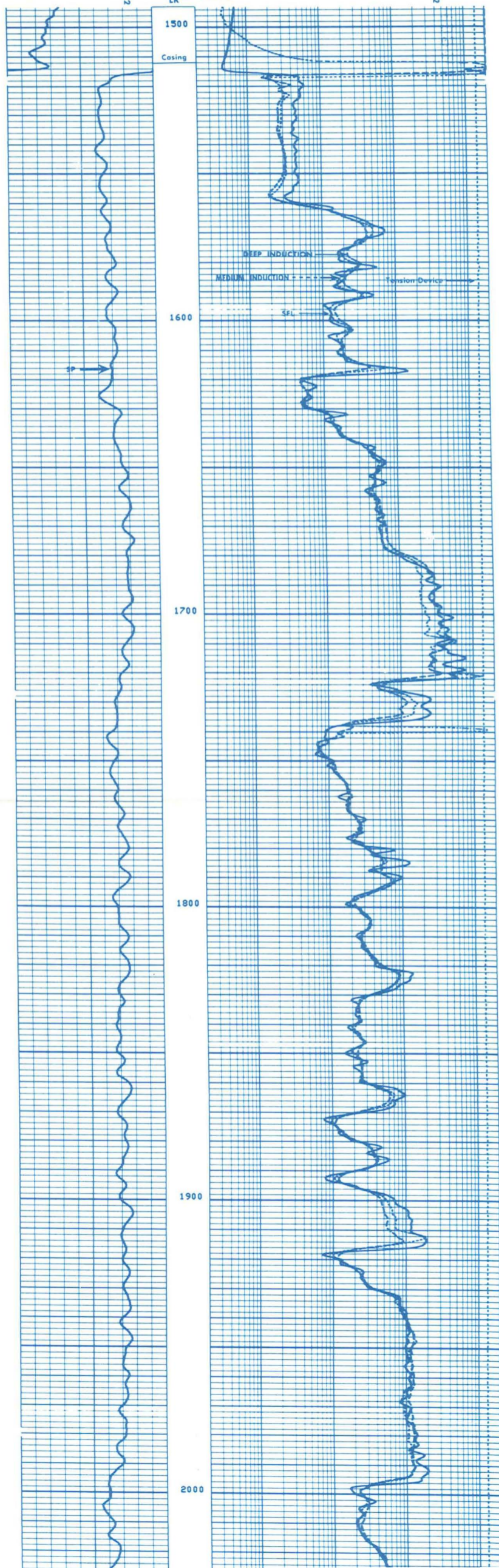
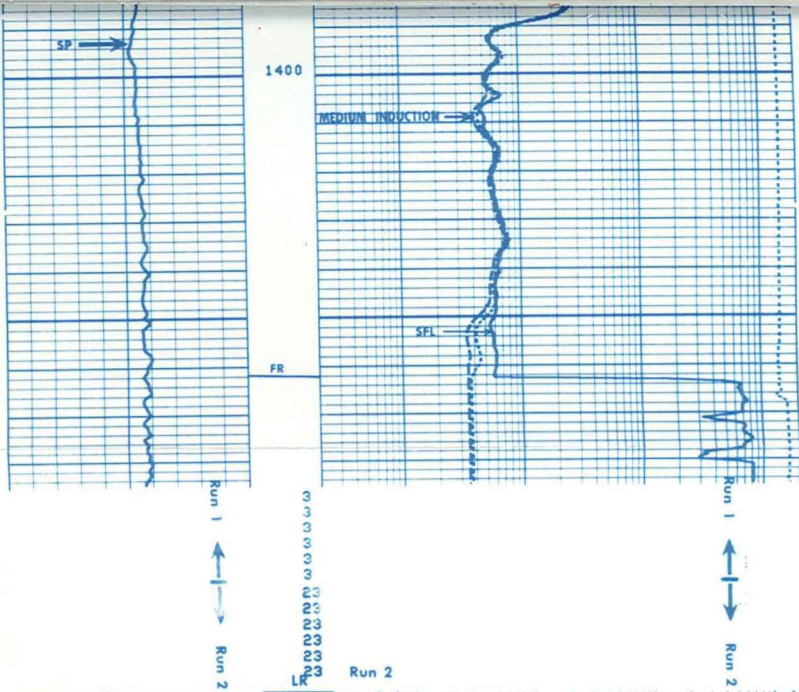
REPEAT SECTION

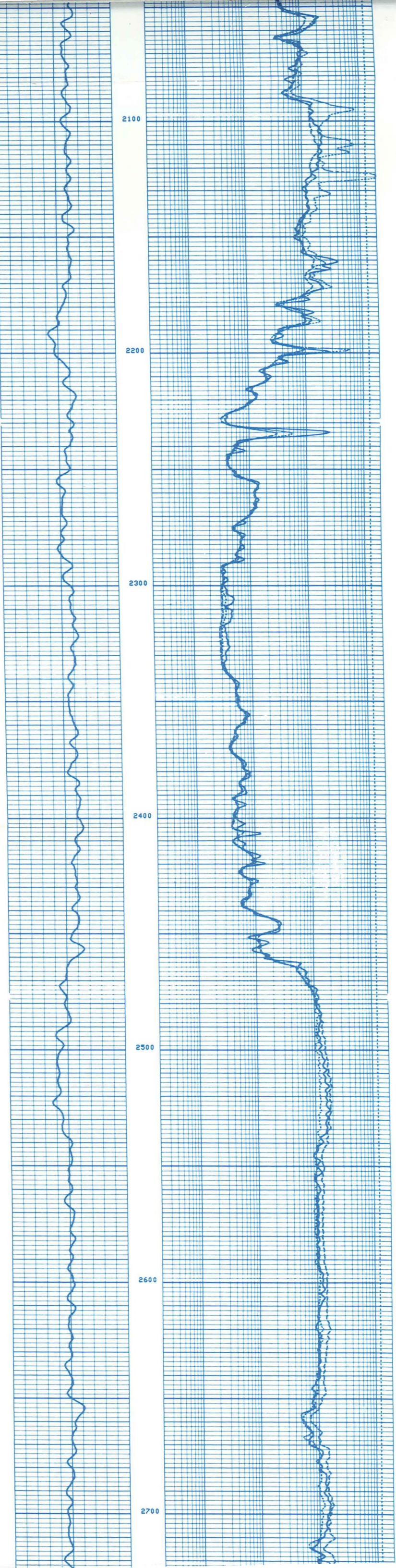


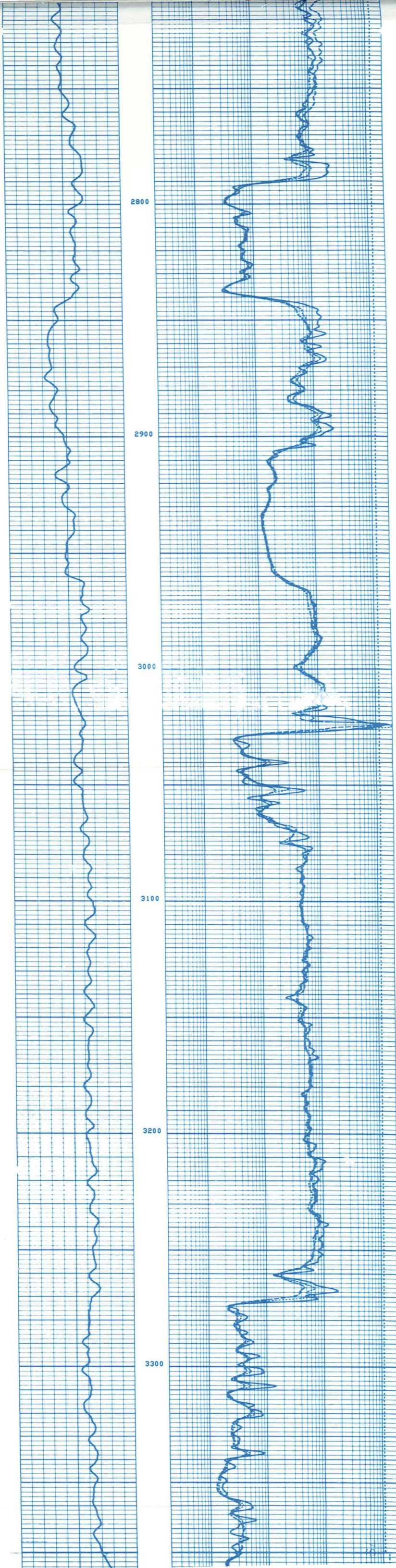
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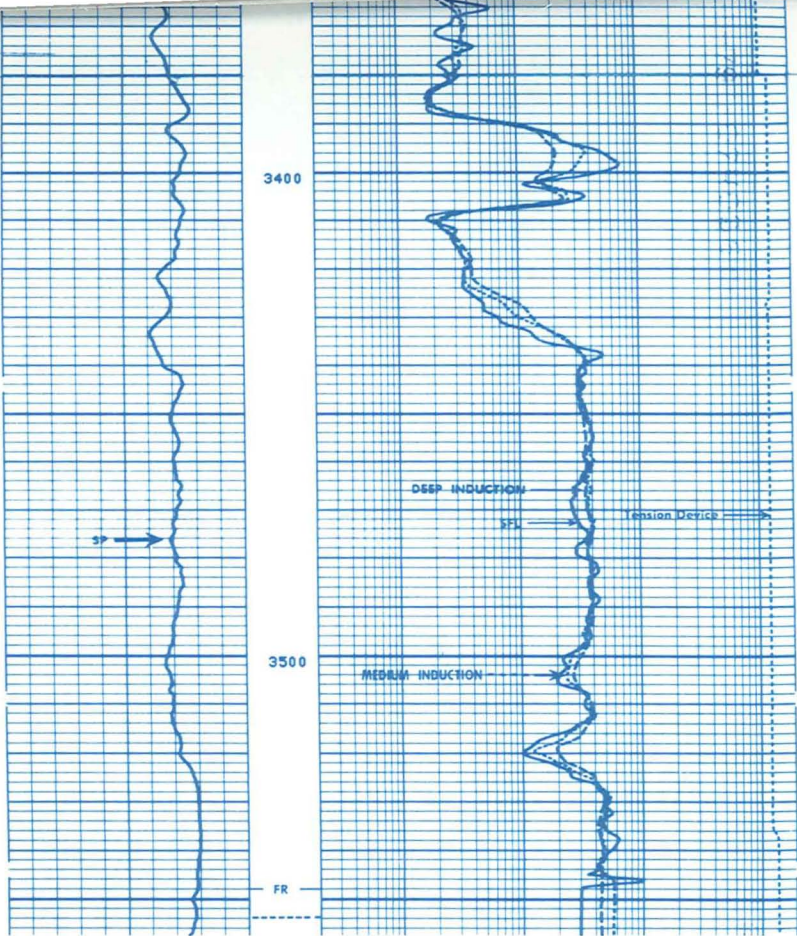
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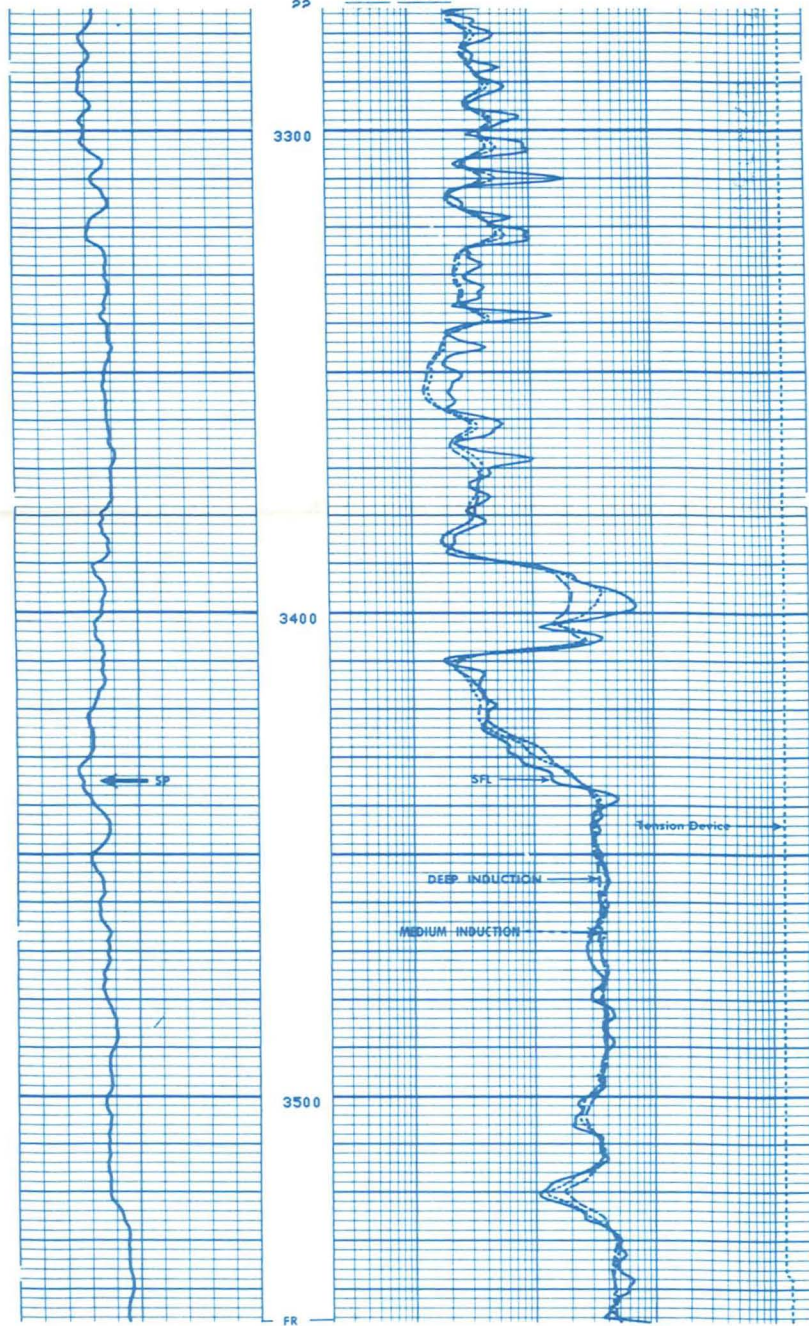




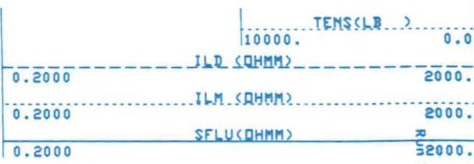
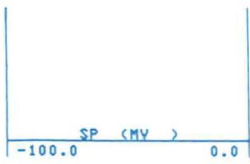


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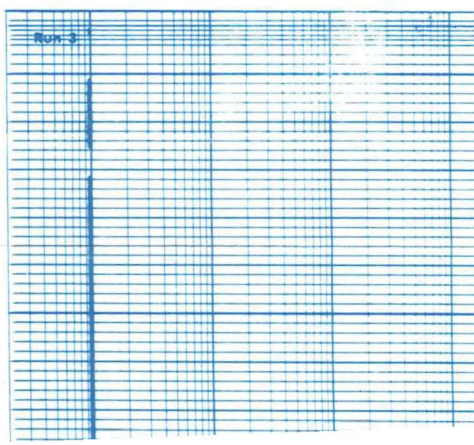
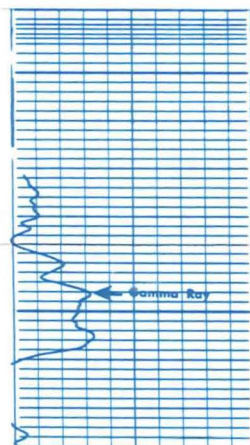
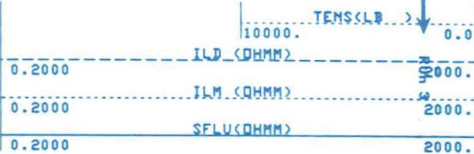
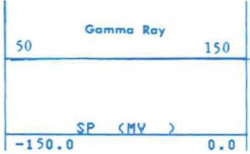
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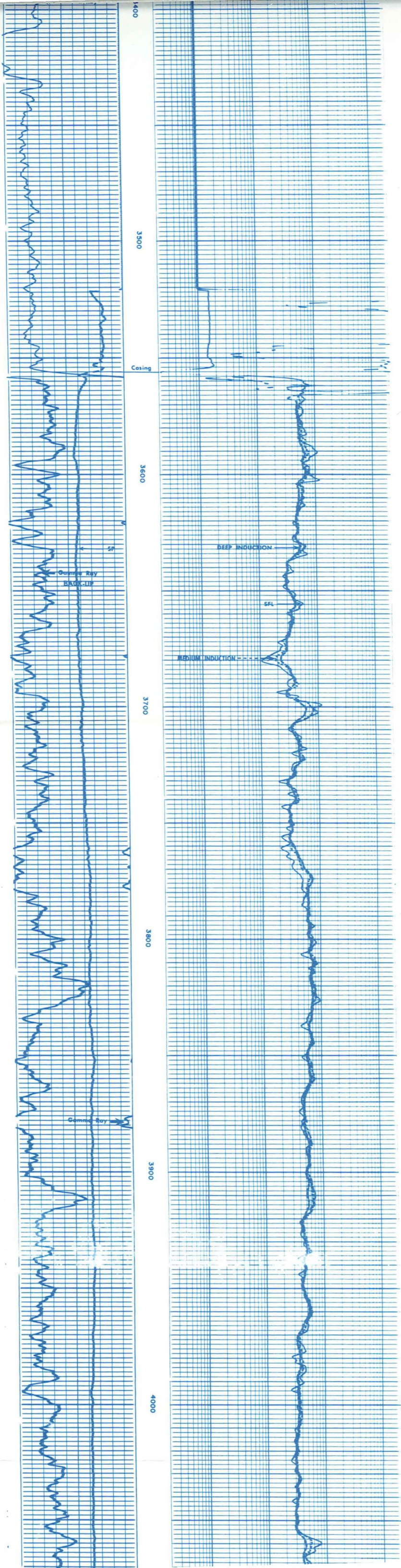


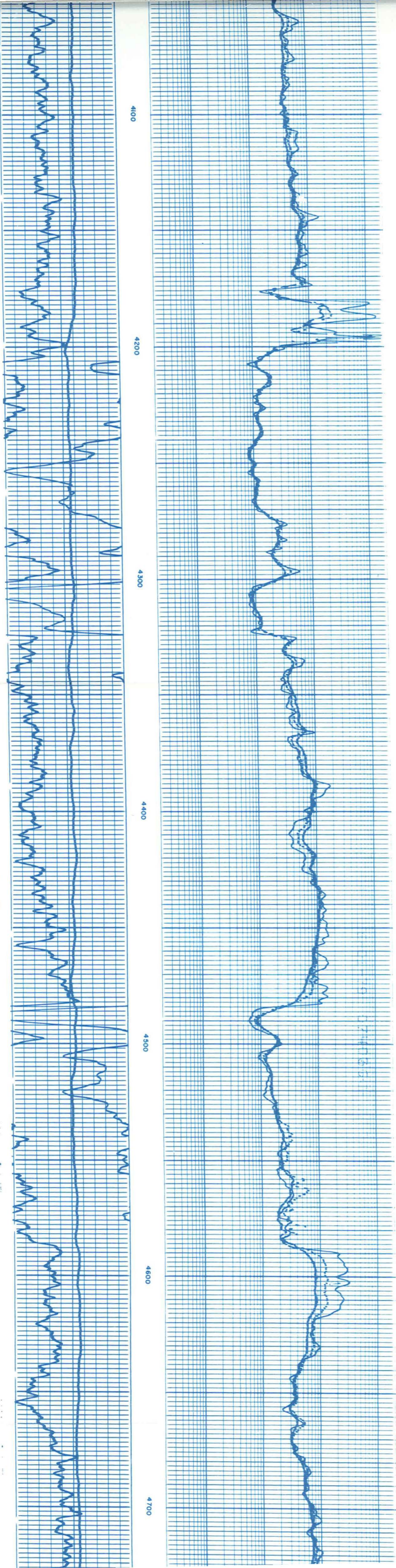
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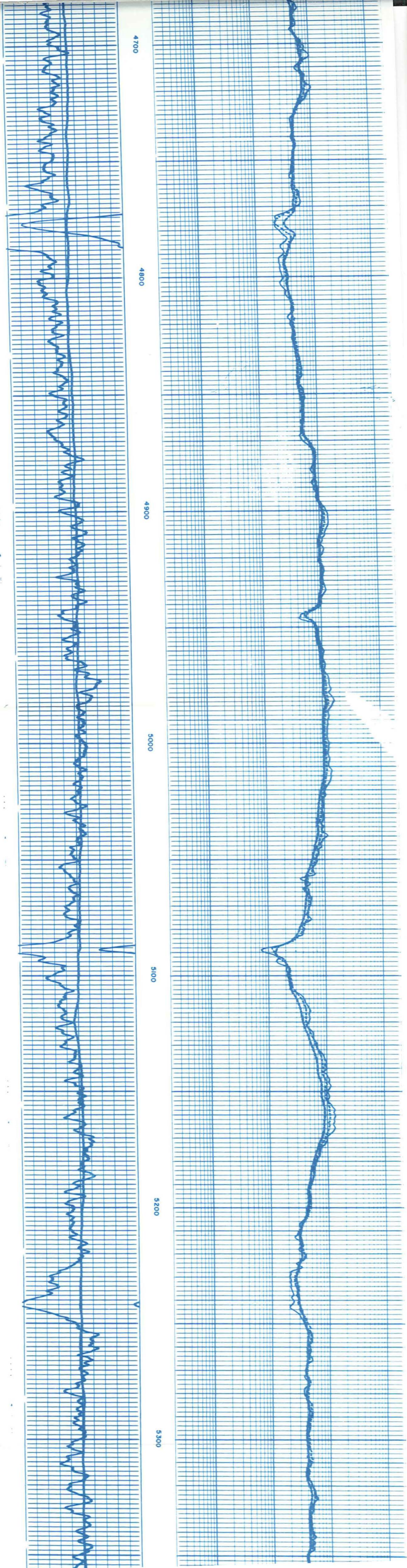


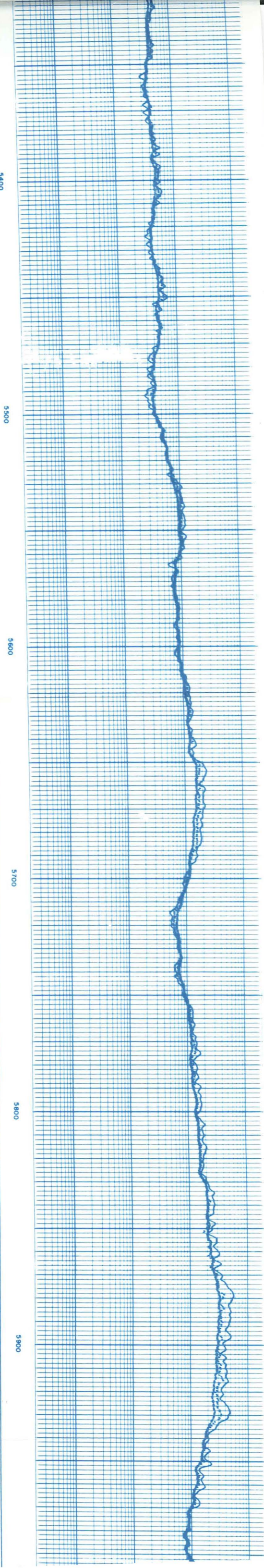
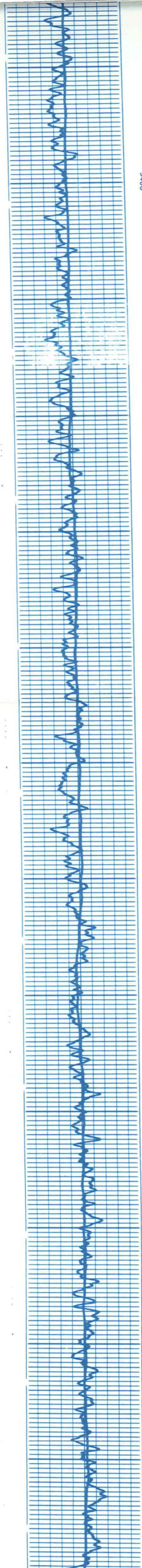
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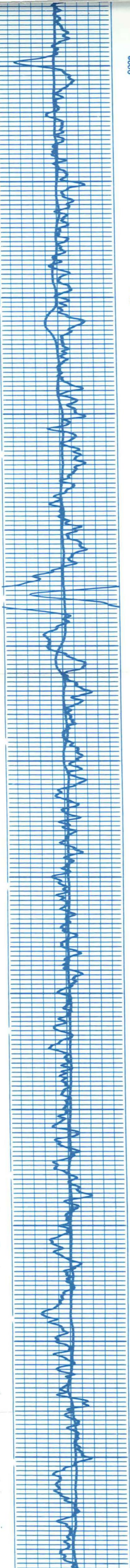












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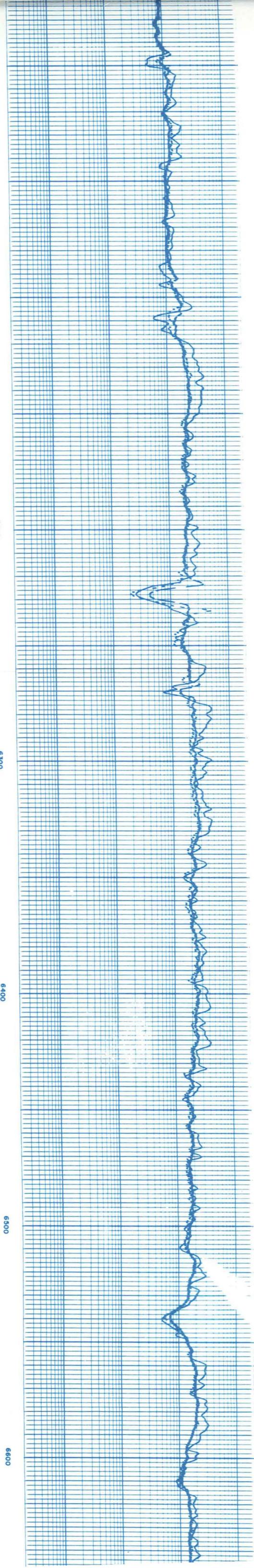
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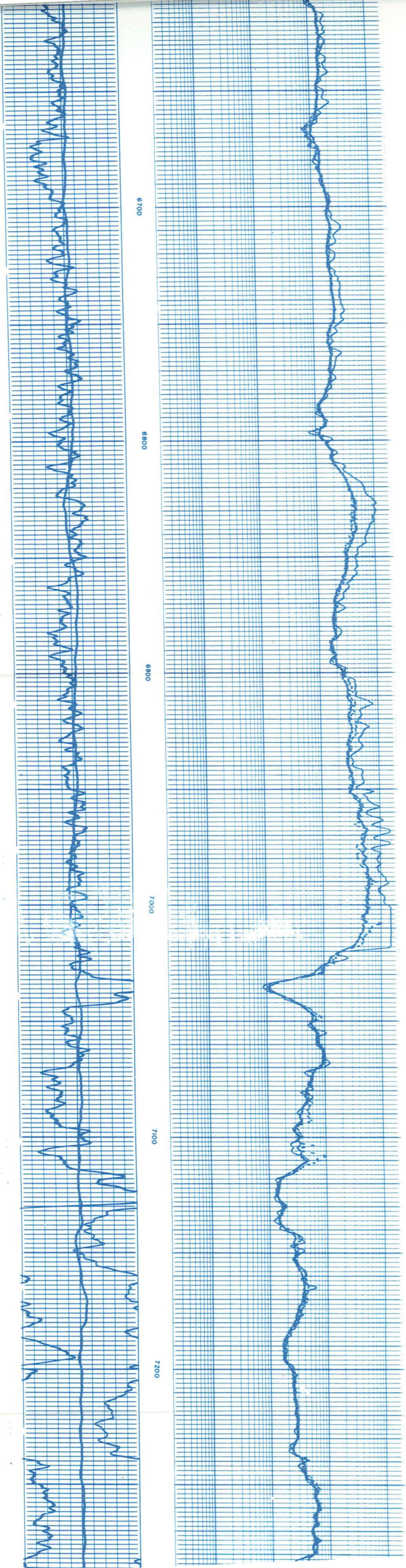
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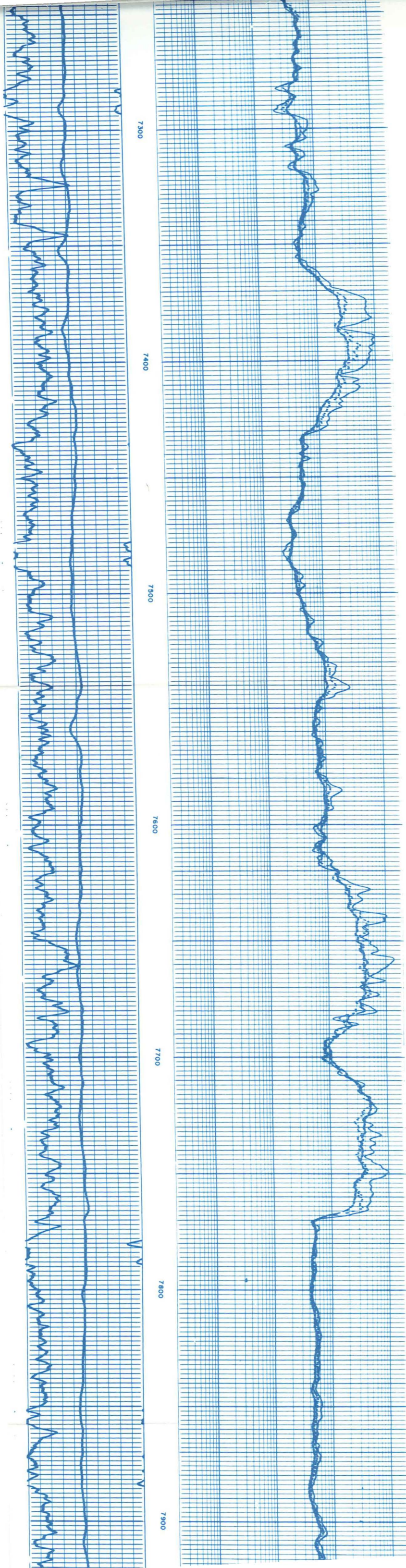
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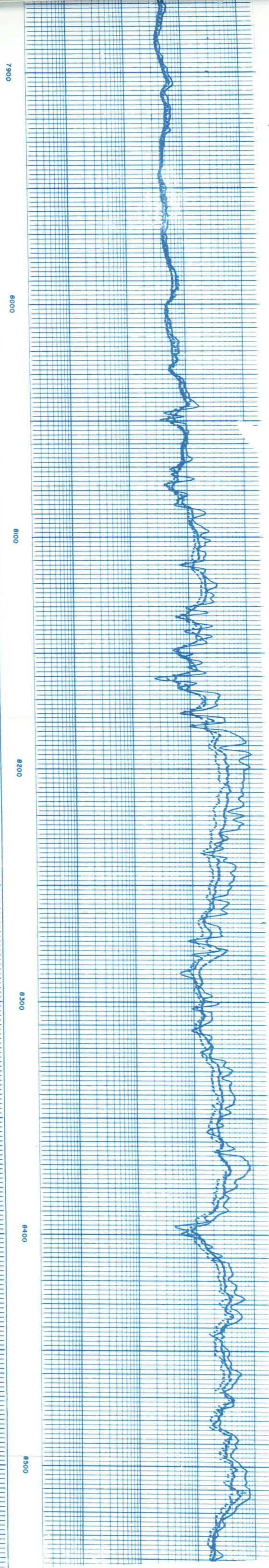
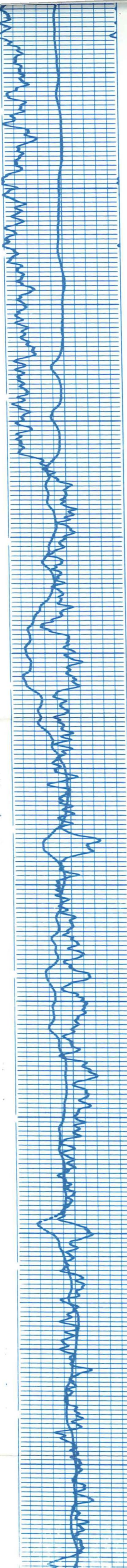
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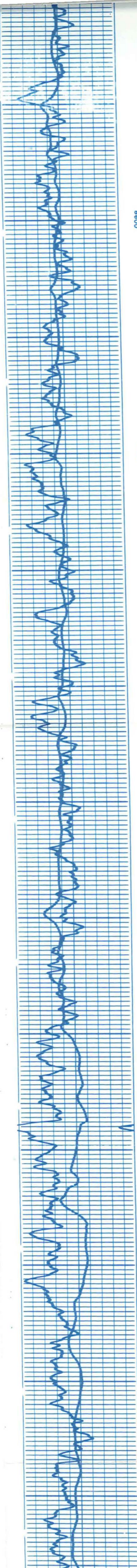
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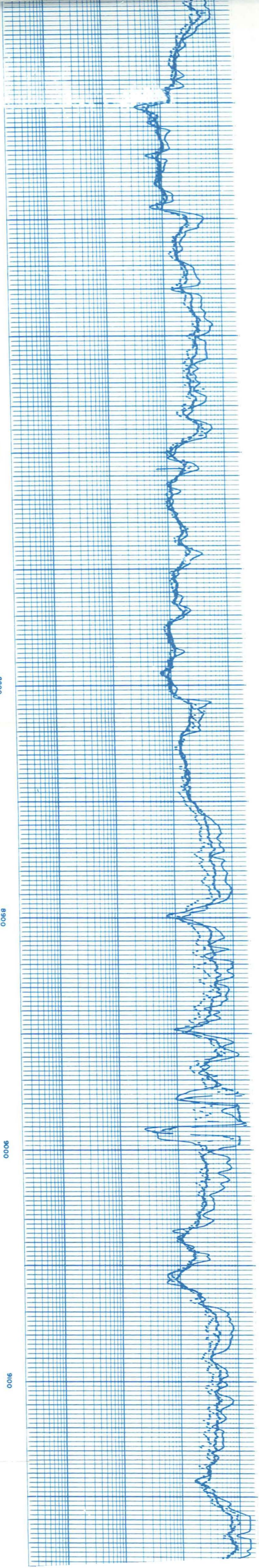
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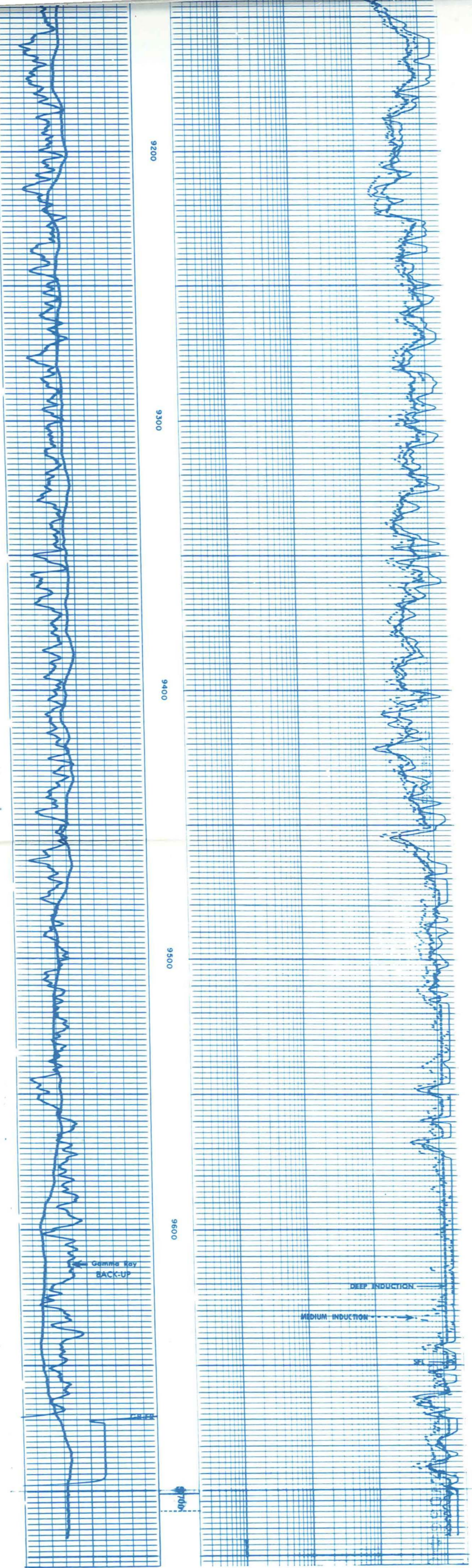
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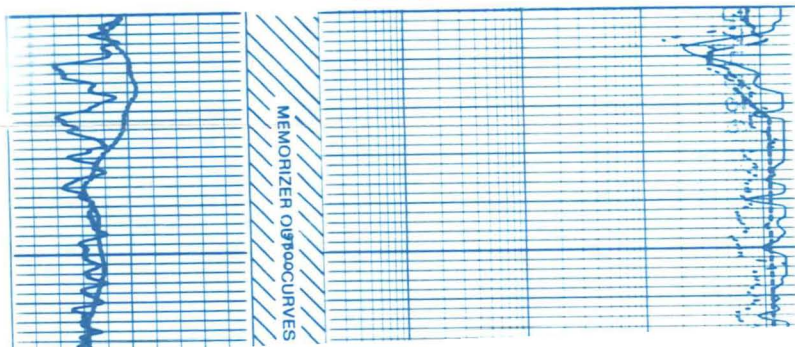
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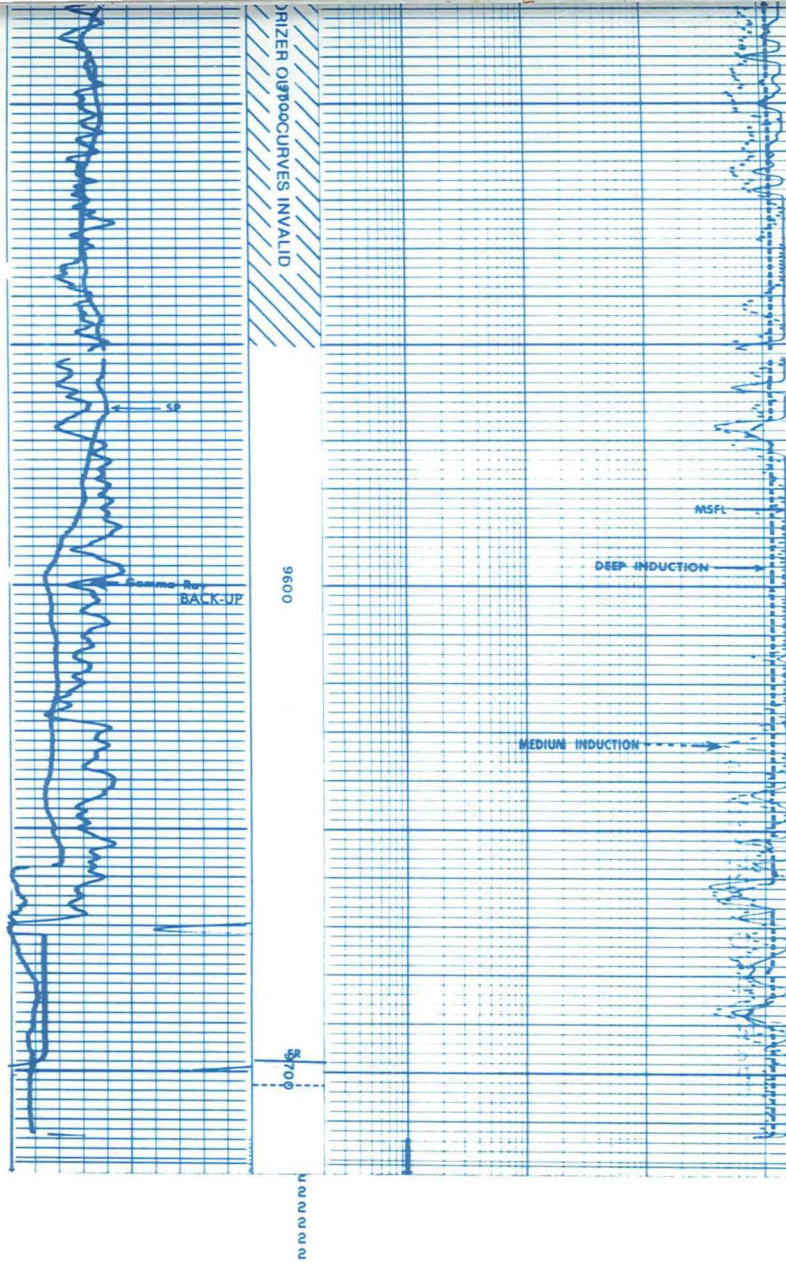
0016





REPEAT SECTION





Run 1 BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 79/03/03
PROGRAM FILE: IS (VERSION 12.4A 78/12/ 8)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		UNITS
	ZERO	PLUS	ZERO	PLUS	
ILD	1.2	571.4	0.0	499.8	MM/M
ILM	0.8	571.2	0.0	499.9	MM/M
SFL	-3.8	526.0	0.0	499.9	MM/M

ILM SONDE ERROR CORRECTION : 7.2 MM/M
ILD SONDE ERROR CORRECTION : 6.8 MM/M

Run 1 AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 79/03/03
PROGRAM FILE: IS (VERSION 12.4A 78/12/ 8)

DITD TOOL CHECK

	ZERO		PLUS		UNITS
	BEFORE	AFTER	BEFORE	AFTER	
ILD	0.0	-0.0	499.8	499.8	MM/M
ILM	0.0	0.0	499.9	499.9	MM/M
SFL	0.0	-0.0	499.9	499.9	MM/M

ILM SONDE ERROR CORRECTION : 0.0 MM/M
ILD SONDE ERROR CORRECTION : 5.0 MM/M

Run 1 SHOP SUMMARY

PERFORMED: 79/02/19
PROGRAM FILE: SHOP (VERSION 12.4 78/12/ 8)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		SONDE ERROR CORR.	TEST LOOP	UNITS
	ZERO	PLUS	ZERO	PLUS			
ILD	0.8	572.1	0.0	499.8	6.84	563.0	MM/M
ILM	0.8	544.9	0.0	499.9	7.27	534.9	MM/M

(IS:204 , IC:207)

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Run 2 BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 79/03/28
PROGRAM FILE: IS (VERSION 12.4A 78/12/ 8)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED		CALIBRATED		UNITS
	ZERO	PLUS	ZERO	PLUS	
ILD	0.5	547.8	0.0	499.8	MM/M
ILM	1.9	533.1	0.0	499.9	MM/M
SFL	-4.4	556.0	-0.0	500.4	MM/M

ILM SONDE ERROR CORRECTION : 5.0 MM/M
ILD SONDE ERROR CORRECTION : 7.0 MM/M

26
26
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26

Run 2 AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 79/03/28
PROGRAM FILE: IS (VERSION 12.4A 78/12/ 8)

DITD TOOL CHECK

	ZERO		PLUS		UNITS
	BEFORE	AFTER	BEFORE	AFTER	
ILD	0.0	0.0	499.8	499.8	MM/M
ILM	0.0	0.1	499.9	496.5	MM/M
SFL	-0.0	0.0	500.4	504.4	MM/M

ILM SONDE ERROR CORRECTION : 5.0 MM/M
ILD SONDE ERROR CORRECTION : 7.0 MM/M

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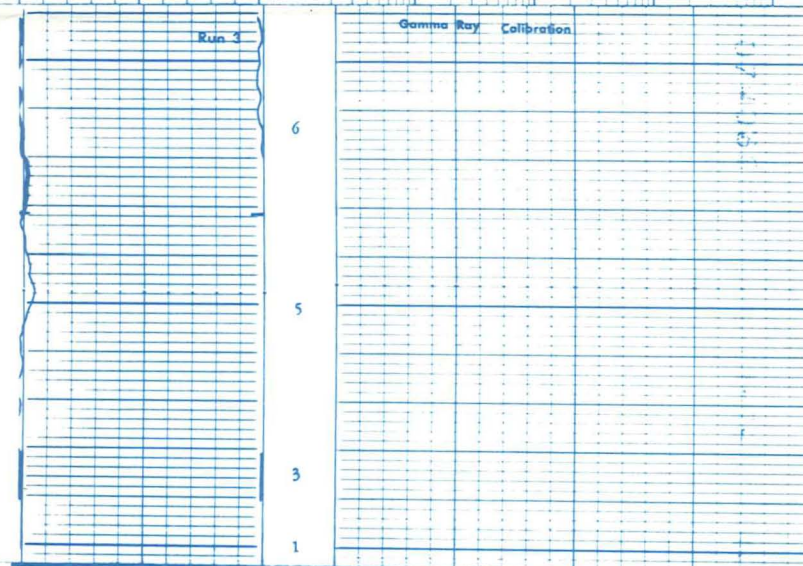
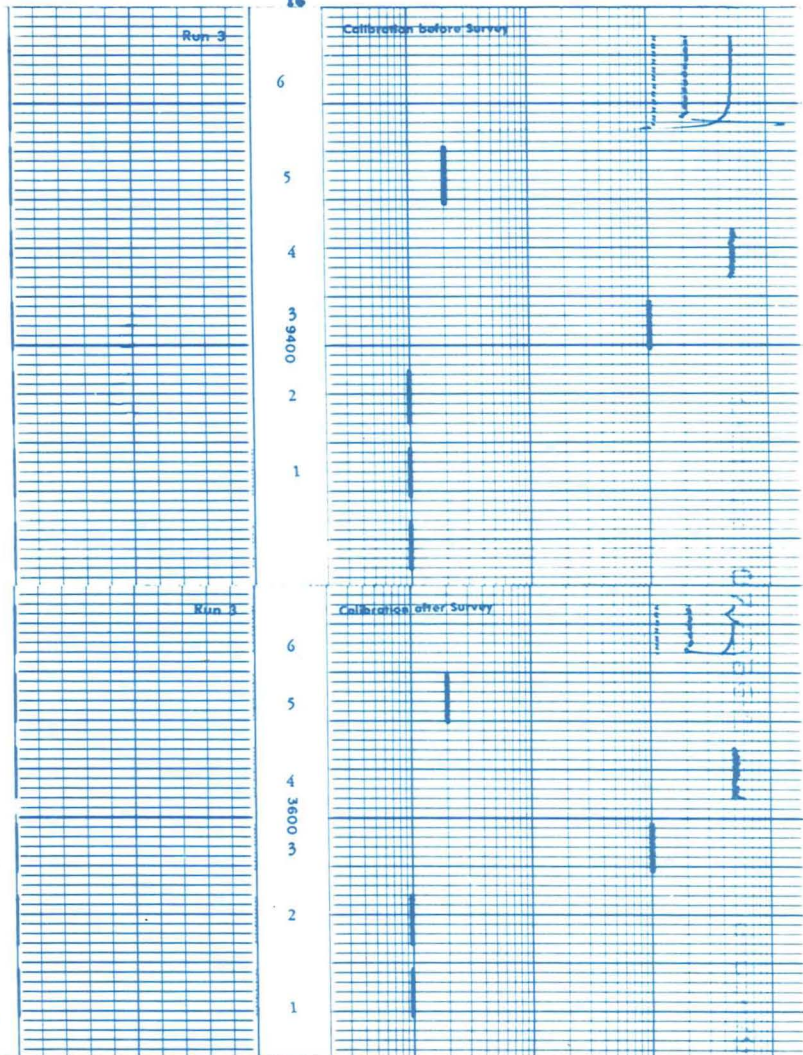
Run 2 SHOP SUMMARY

DITS ELECTRONICS CALIBRATION SUMMARY

		ELECTRONICS CALIBRATION			SORBE	TEST	UNITS
		MEASURED	CALIBRATED	PLUS	ERROR	LOOP	W/L/N
ILB	ZERO	PLUS	ZERO	PLUS	CORR.		
ILB	1.3	618.2	0.0	499.9	7.22	534.9	
ILM	2.7	588.4	0.0	499.9	4.25	527.8	

(IS:14 , IC:10)

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- DUAL INDUCTION CALIBRATION FILM CODING
1. MECHANICAL ZERO
 2. 1 OHM-M
 3. 100 OHM-M
 4. ELECTRICAL ZERO (500 OHM-M)
 5. 2 OHM-M
 6. SONDE ERRORS (+2 MMHO)
 7. ZERO SIGNAL IN AIR
 8. ILd TEST LOOP (2 OHM SIGNAL)
 9. ILM TEST LOOP (2 OHM SIGNAL)
 10. Rxo/Ry UNITY
 11. Rxo/Ry CALIBRATE

- GAMMA RAY CALIBRATION CODING
1. MECHANICAL ZERO
 2. ELECTRICAL ZERO
 3. RECORDER SENSITIVITY
 4. MEMORIZER ADJUSTMENT
 5. BACKGROUND
 6. CALIBRATE - SOURCE IN PLACE