E-L06

Schlumberger INDUCTION-ELECTRICAL LOG

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY STANDARD OIL COMPANY OF CALIFORNIA

WELL SCHROEDER #1

FIELD BRIER – PUGET SOUND AREA

COUNTY SNOHOMISH STATE WASHINGTON

LOCATION 704.05'N 0°24'43"E ALONG WEST SEC LINE THENCE 1327.93' S 87°19'03"E OF THE SW CORNER OF

Sec. 26 Twp. 27 N Rge. 4 E

Other Services:

Permanent Datum: GL, Elev. 366.17
Log Measured From DF, 19 Ft. Above Perm. Datum
Drilling Measured From DF

Elev.: K.B.
D.F. 385.17
G.L. 366.17

reference data were furnished by the customer.

Date	JUNE 12, 1972	7-4-72	7-14-72	7-17-72	8-13-72
Run No.	ONE	TWO	THREE	FOUR	FIVE
Depth—Driller	1350	4252	6500	6752	9671
Depth—Logger	1333	4262	6504	6753	9672
Btm. Log Interval	1332	4259	6497	6746	9666
Top Log Interval	283	1348	4000	6348	6745
Casing—Driller	20" @ 282	13 3/8" @ 1348'	13 3/8 @ 1348	13 3/8 @ 1348	9 5/8 @ 6745
Casing—Logger	283	1348	—	—	6745
Bit Size	18 5/8 TO 590; 12 1/4 TO TD.		12 1/4	12 1/4	8 1/2
Type Fluid in Hole	LIGNOSULFONATE	LIGNO	LIGNO	LIGNO	LIGNOSULFONAT
Dens. / Visc.	71 / 58	90 / 44	90 / 45	90 / 47	92 / 78
pH / Fluid Loss	9.0 / 10.4 ml	9.0 / 6.2 ml	10.5 / 4.4 ml	10.5 / 3.8 ml	10.2 / 5.6 ml
Source of Sample	CIRCULATED	CIRCULATED	CIRCULATED	CIRCULATED	FLOWLINE
R_m @ Meas. Temp.	3.51 @ 74 °F	0.72 @ 102 °F	0.68 @ 92 °F	0.65 @ 107 °F	1.05 @ 72 °F
R_{mf} @ Meas. Temp.	3.02 @ 59 °F	0.68 @ 78 °F	0.81 @ 60 °F	0.60 @ 84 °F	0.56 @ 72 °F
R_{mc} @ Meas. Temp.	5.44 @ 59 °F	1.53 @ 78 °F	1.36 @ 60 °F	1.46 @ 84 °F	1.7 @ 72 °F
Source: R_{mf} / R_{mc}	M / M	M / M	M / M	M / M	M / C
R_m @ BHT	3.28 @ 87 °F	@ 116 °F	0.46 @ 136 °F	0.41 @ 140 °F	0.48 @ 154 °F
Time Since Circ.	1 HR	4 HR.	4 1/2 HRS	5 1/2 HRS	4 HRS
Max. Rec. Temp.	87 °F	116 °F	136 °F	140 °F	154 °F
Equip. / Location	7503 / SACTO	5106 / SACTO	7503 / SACTO	7503 / SACTO	5106 / SAC-
Recorded By	FRIDLEY	ANDERSEN	FRIDLEY	FRIDLEY	WEEKS
Witnessed By	JOHNSON & WALLACE	JOHNSON	JOHNSON	JOHNSON	JOHNSON

Scale Changes

Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Tool Position	Other
ONE	6FF40	STANDOFF	
TWO	DIL	STANDOFF	
THREE	DIL	STANDOFF	
FOUR	DIL	STANDOFF	

Type Fluid in Hole | Dens. | Visc. | ph | Fluid Loss | Source of Sample | R_m @ Meas. Temp. | R_{mf} @ Meas. Temp. | R_{mc} @ Meas. Temp. | Source: R_{mf} / R_{mc} | R_m @ BHT | R_{mf} @ BHT | R_{mc} @ BHT

Run No.:	3	4	5
C.D.:	USED	USED	USED
S.O.:	1 1/2"	1 1/2"	1.5"

Run No.: ONE
C.D.: USED
S.O.: 1 1/2"

SWS-1099-F

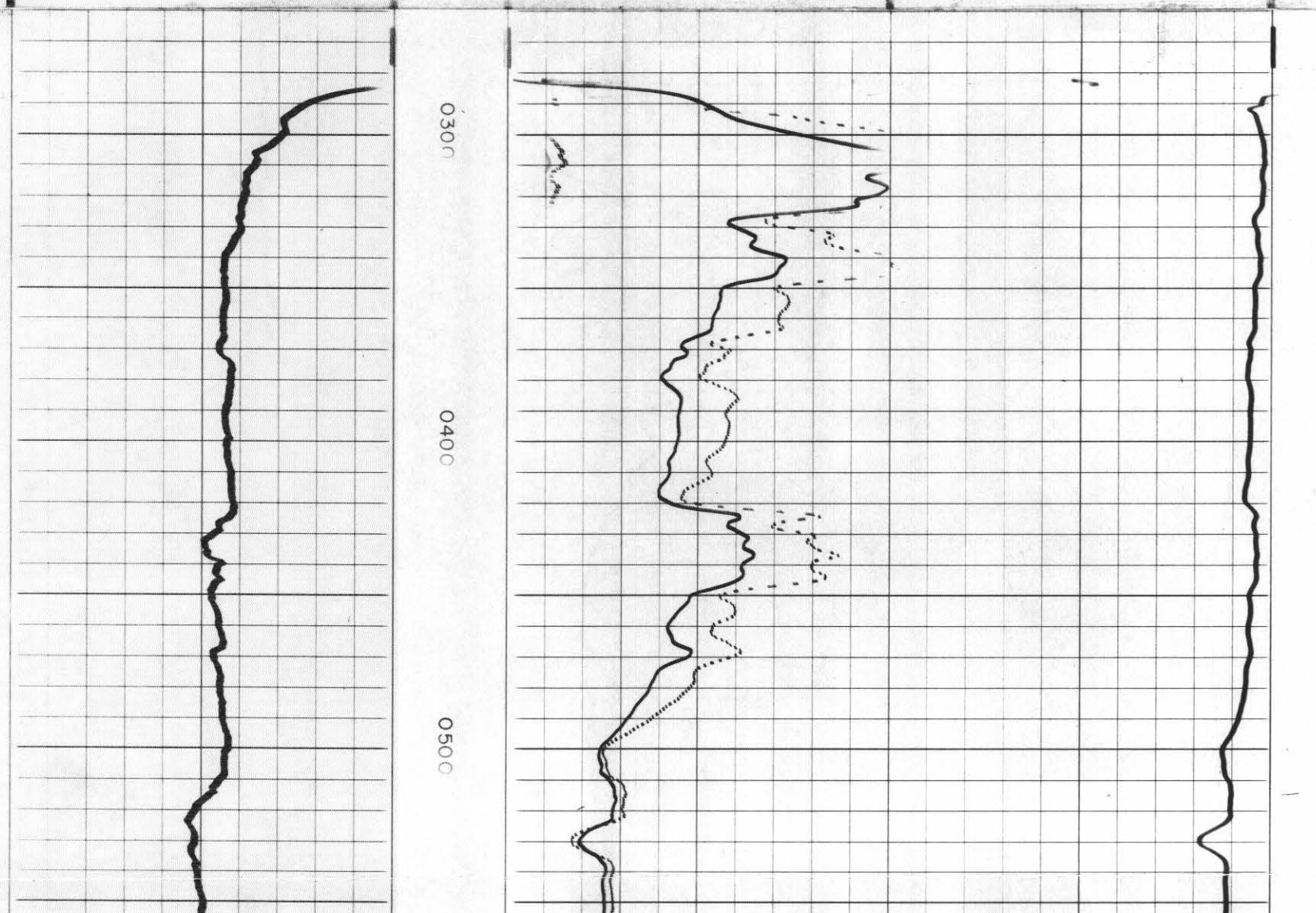
Equip. PANEL No.: IRP-N-519	DIP-C-189	C-189	DIP-C189 CPP-AB	31
Used: CART. No.: IRC-F-381	DIC-B-33	B-33	B-33	
SONDE No.: IRS-M-729	DIS-DB-74	DB-74	DB-74	
IAP No.: MMP-B-410	MMP-B-410	B-410	B-411	
S.B.R.: 1	2	2	1	

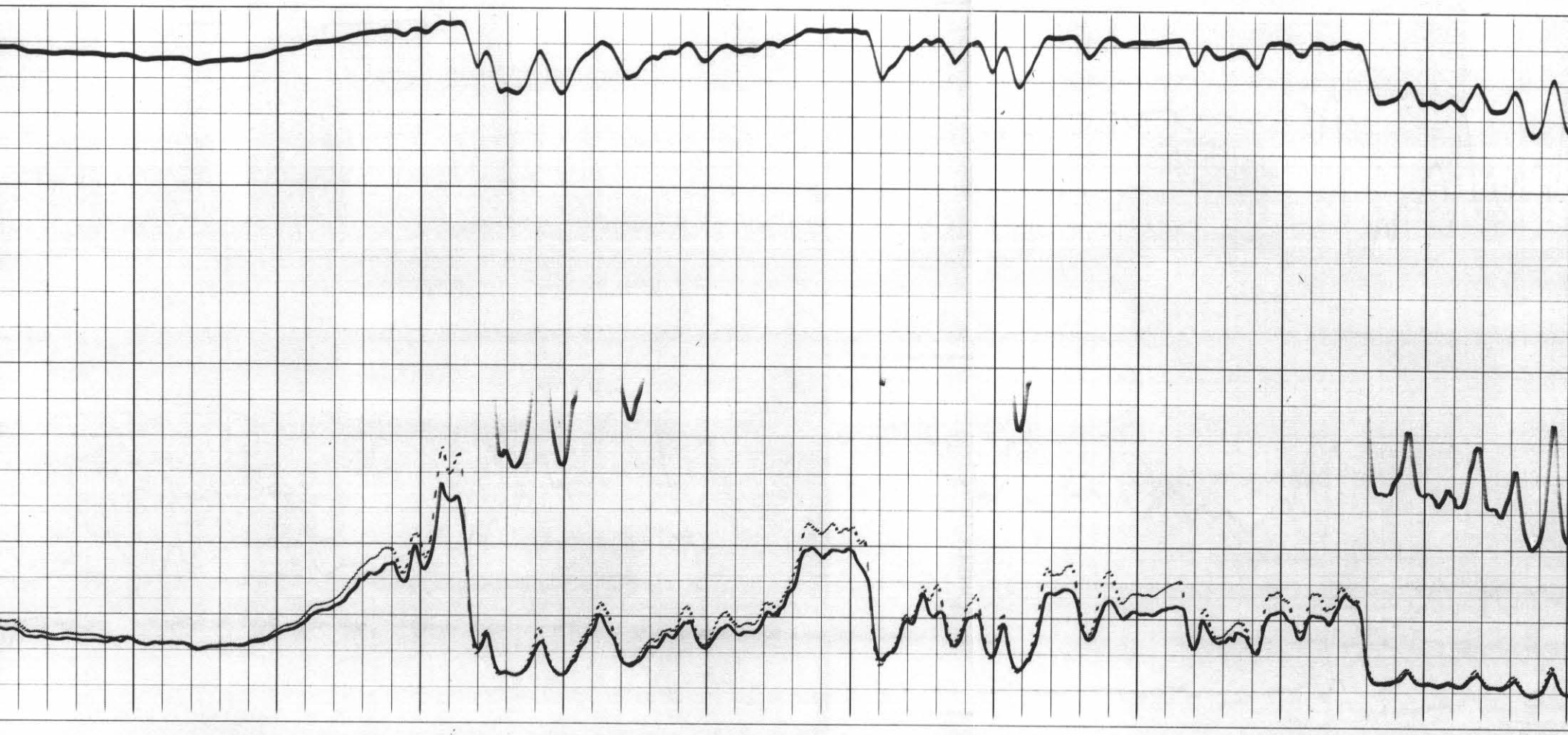
RUN #	1	2	3	4
BREAK CIRC:	1130	1130	0600	
OFF BOTTOM:	1230	1530	0930	1945

Check one, filling in blanks where applicable:

- [x] Surface determined sonde errors used for 6FF40.
- [ ] 6FF40 sonde error corrected for _____ inch borehole signal at Rm =
- [ ] 6FF40 zero set in hole at depth of _____ feet.

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms-m²/m	CONDUCTIVITY millimhos/m = 1000/(ohms-m²/m)
10 (– ↔ +)		A-16"-M SHORT NORMAL: 0 – 30	6FF40 INDUCTION: 1000 – 0
		0 – 300	
		INDUCTION: 0 – 30	
		0 – 300	
		0 – AMF SHORT NORMAL 6	

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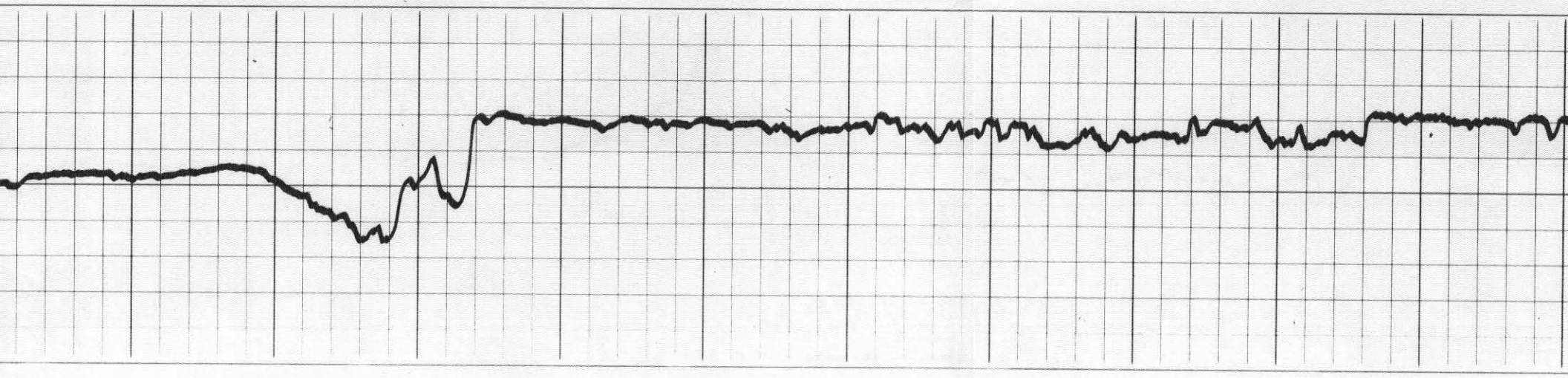
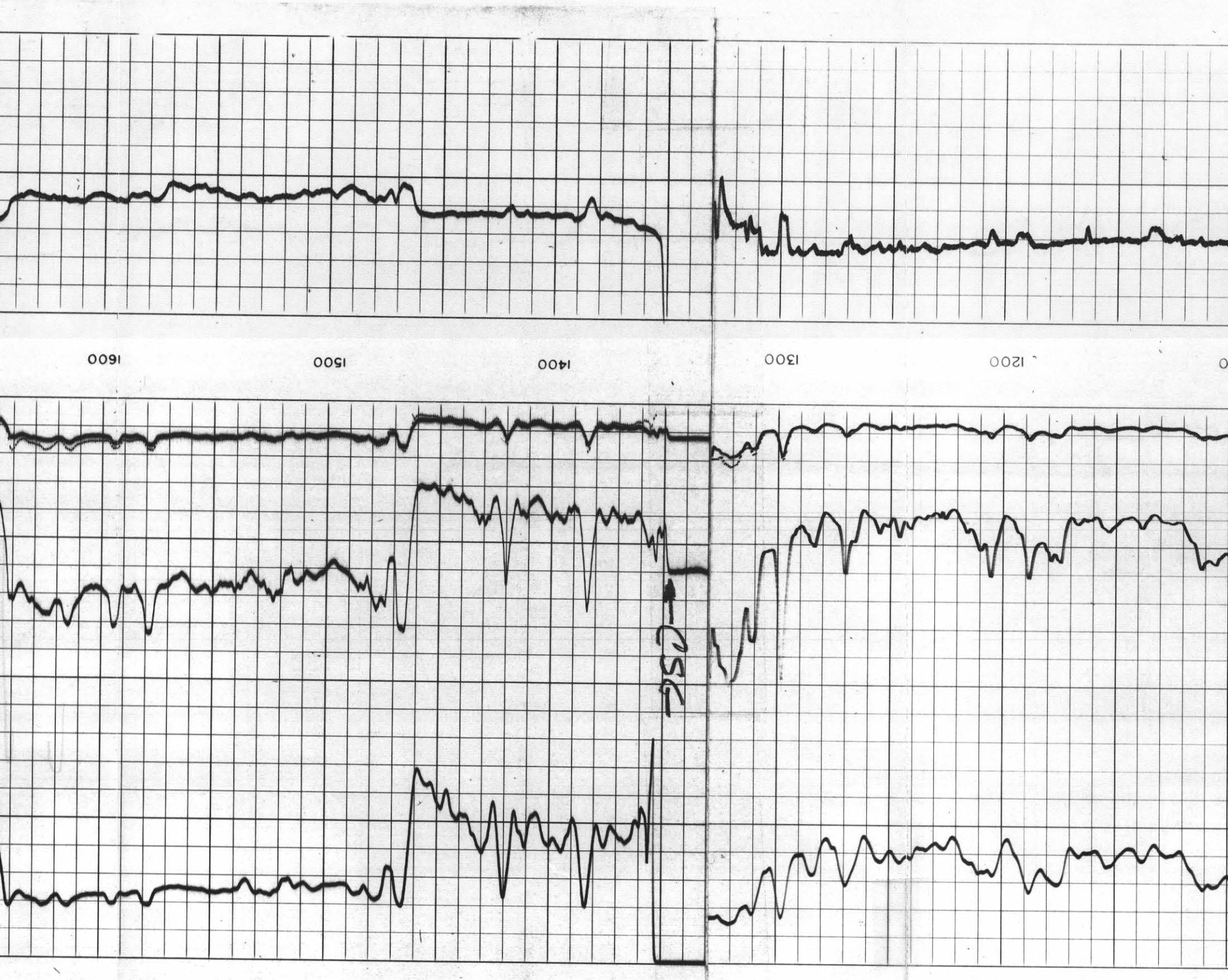
0700
0800
0900
1000
110

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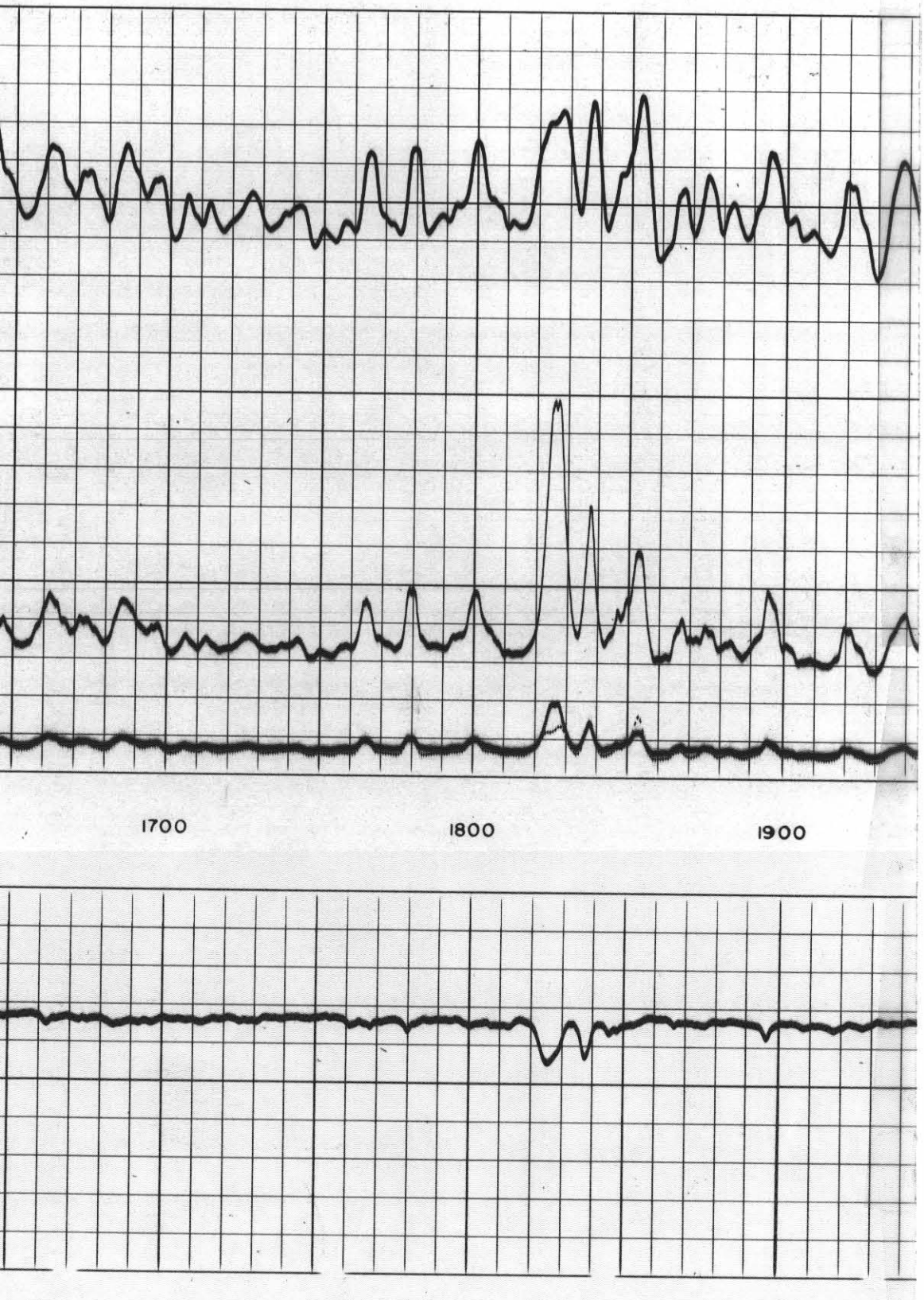
PSG


1700
1800
1900