Schlumberger

COMPENSATED
FORMATION DENSITY LOG
Gamma-Gamma

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY TEXACO INC

WELL TEXACO FEDERAL #1

FIELD WILDCAT

COUNTY CROOK STATE OREGON

Location: 1605'N & 1036' E. Fr. S.W. COR. W.B.&M.

Sec. 31 Twp. 17S Rge. 23E

Other Services: IES, BHC, SNP, HDT, CST

Permanent Datum: G.L. ; Elev.: 4006
Log Measured From K.B , 20.4 Ft. Above Perm. Datum
Drilling Measured From K.B

Elev.: K.B. 4026.4
D.F. –
G.L. 4006

Date	10-12-71		
Run No.	ONE		
Type Log	FDC-GR		
Depth—Driller	3995		
Depth—Logger	3996		
Bottom logged interval	3995		
Top logged interval	1022		
Type fluid in hole	FRESH		
Salinity, PPM Cl.			
Density	77		
Level	FULL		
Max rec. temp., deg F.	138		
Operating rig time	2 1/2		
Recorded by	~~DELANO~~ Anderson		
Witnessed by	HUGHS		
Time Since Circ.	7		

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	Bit	From	To	Size	Wgt.	From	To
ONE	12 1/4	1022	3995	16"	75	G.L.	1022

FOLD HERE

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

EQUIPMENT DATA

Run No.	PG P-EA	PDH-B	PGH-A	PGS-E	Source No.	SFT-106	SGH	Logging Unit	Location
1	312	0-375	333	250	2343	99	E-21	5106	COALINGA
2									
3									

CALIBRATION DATA

Run No.	Gamma Ray			FDC — Before Log — ACPS		FDC — After Log — ACPS	
	API Scale	Background CPS	Total CPS	P_1	P_2	P_1	P_2
1	0-200	32	490	410	738	410	738
2							
3							

LOGGING DATA

Run No.	General				Gamma Ray	FDC Selectors			
	Depths From	Depths To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
ONE	1022	3995	30	2	0-150	1.0		Liquid	45-15(-15

MUD DATA

Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	3.51 @ 87 °F				@ °F	
2	@ °F				@ °F	
3	@ °F				@ °F	

Remarks:

SWS-1381-E

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 interpreations, 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 7 of our General Terms and Conditions as set out in our current Price Schedule.

CALIPER
HOLE DIAM. IN INCHES

6 16

GAMMA RAY
API UNITS

0. 150

DEPTHS

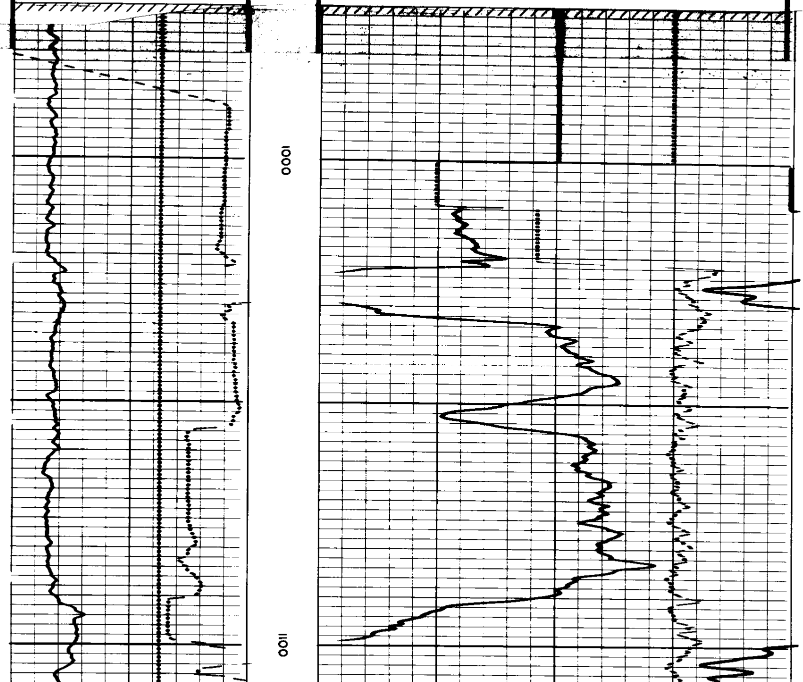
43% 28% 13% -2%
Porosity if Limestone

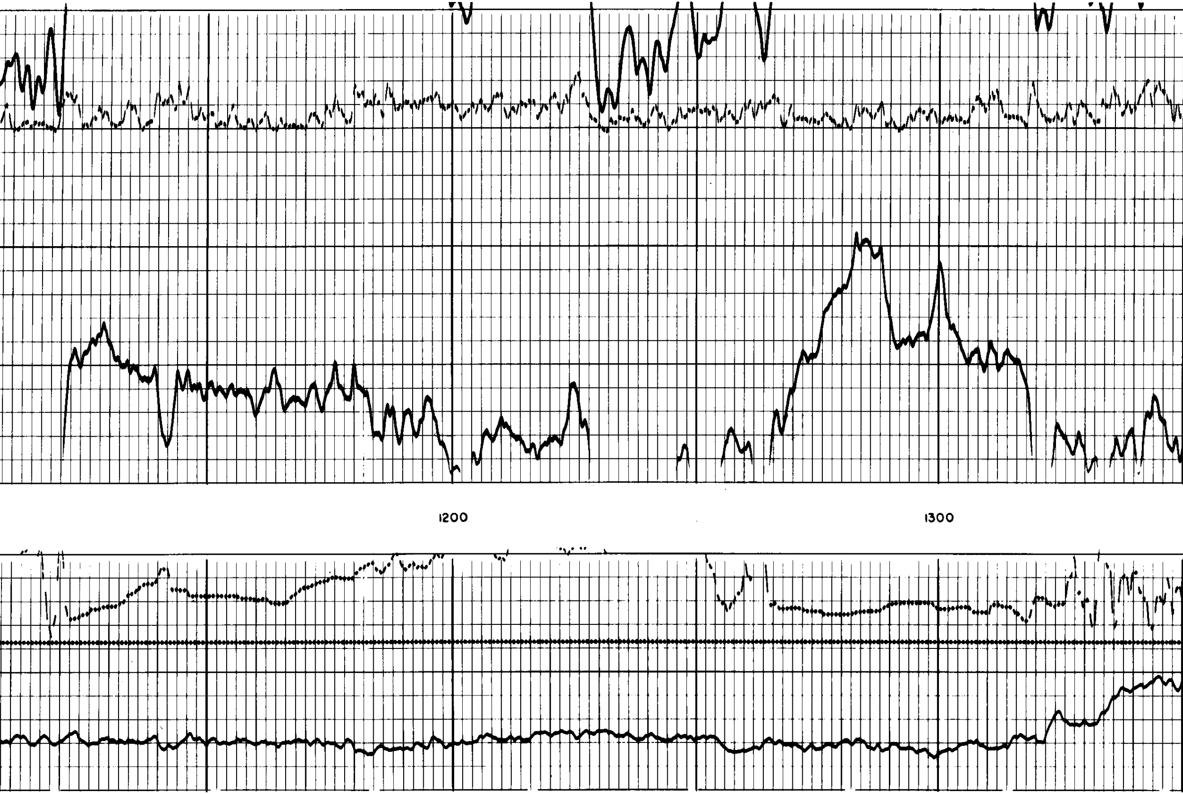
—.25 0 +.25

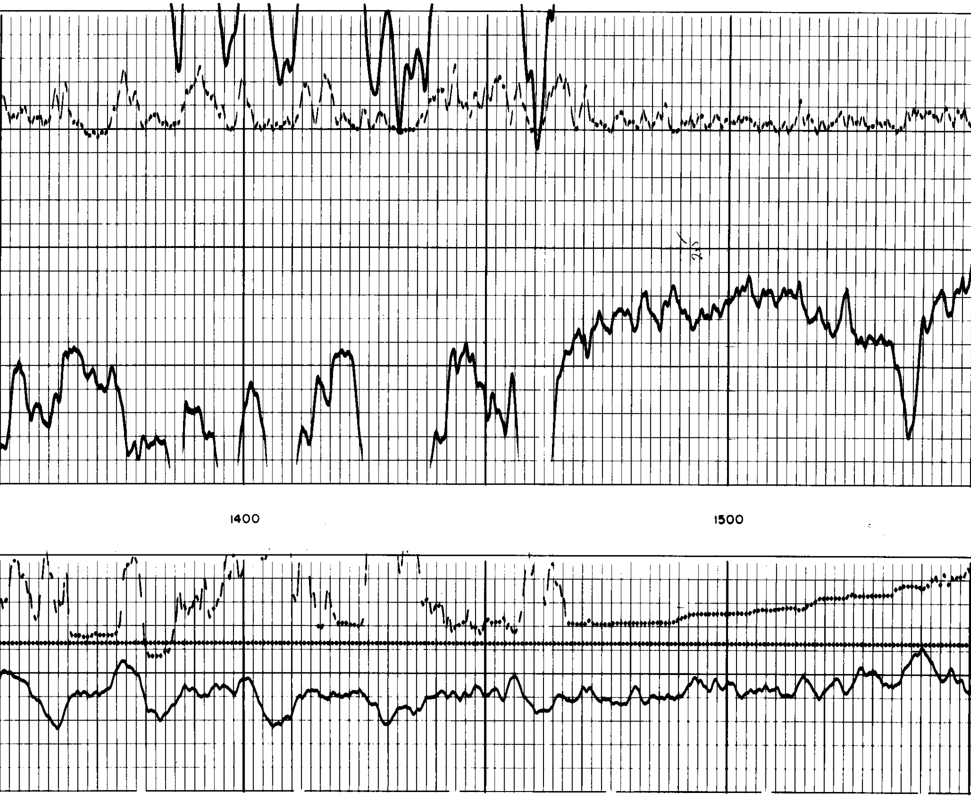
CORRECTION
GRAMS/CC.

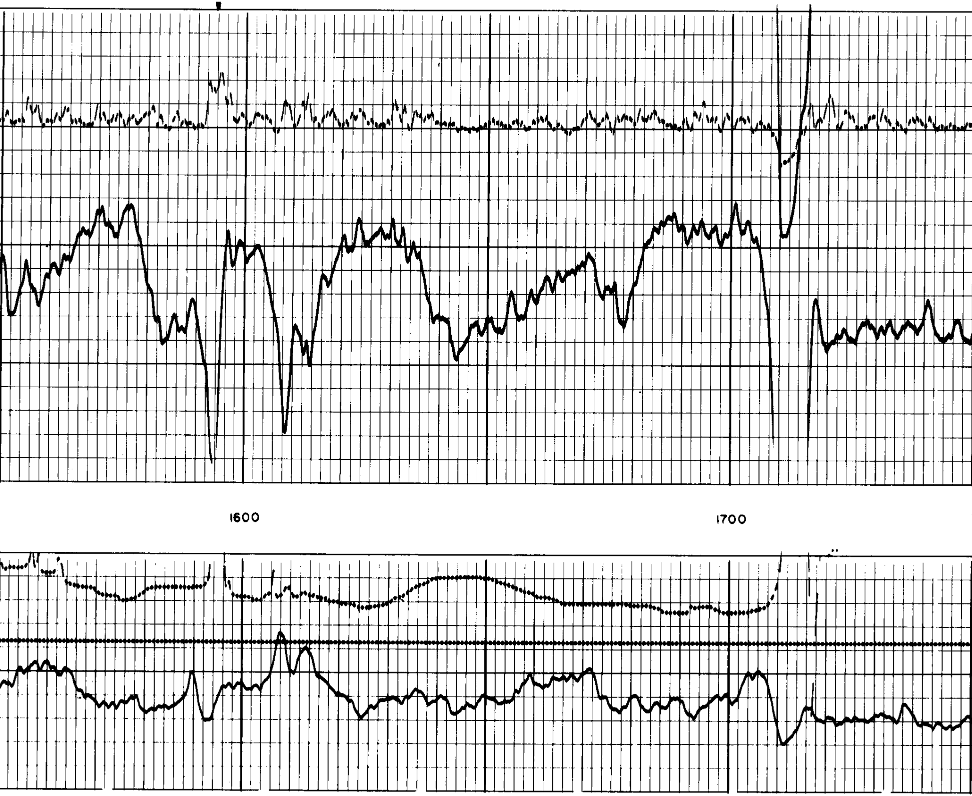
BULK DENSITY
GRAMS/CC.

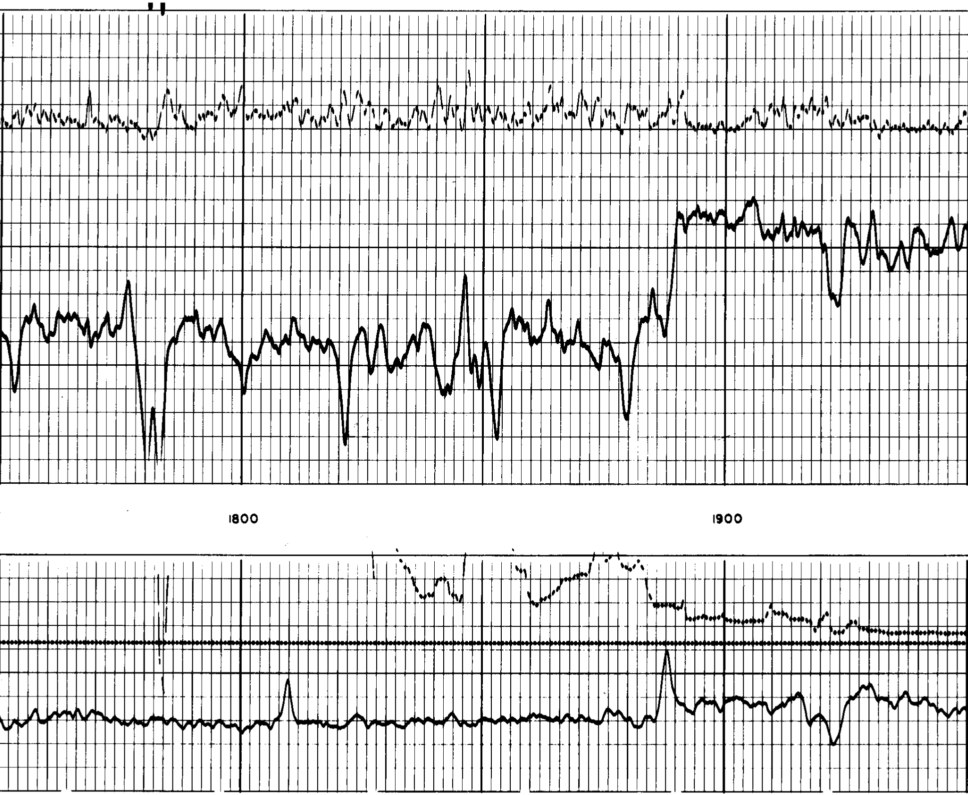
2,0 2,5 3,0

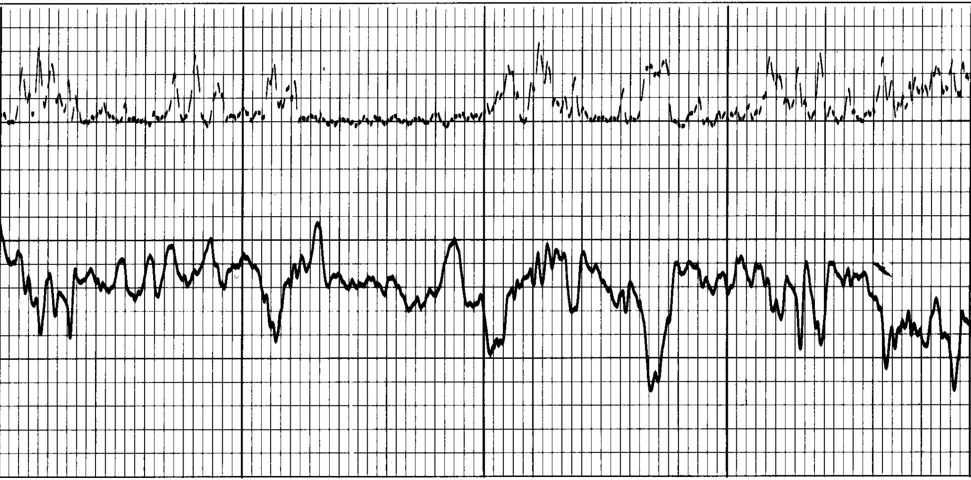












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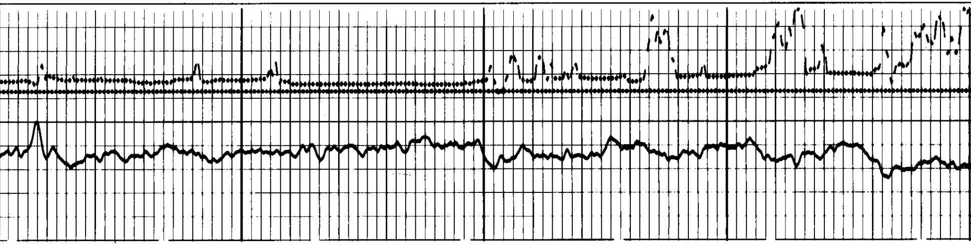
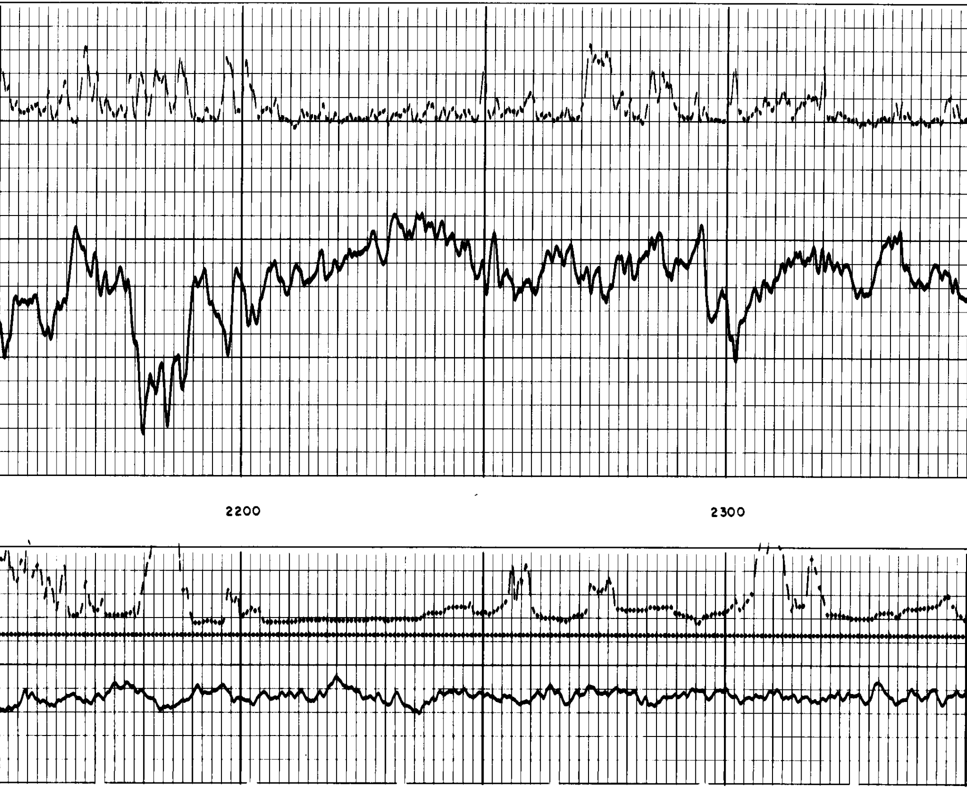
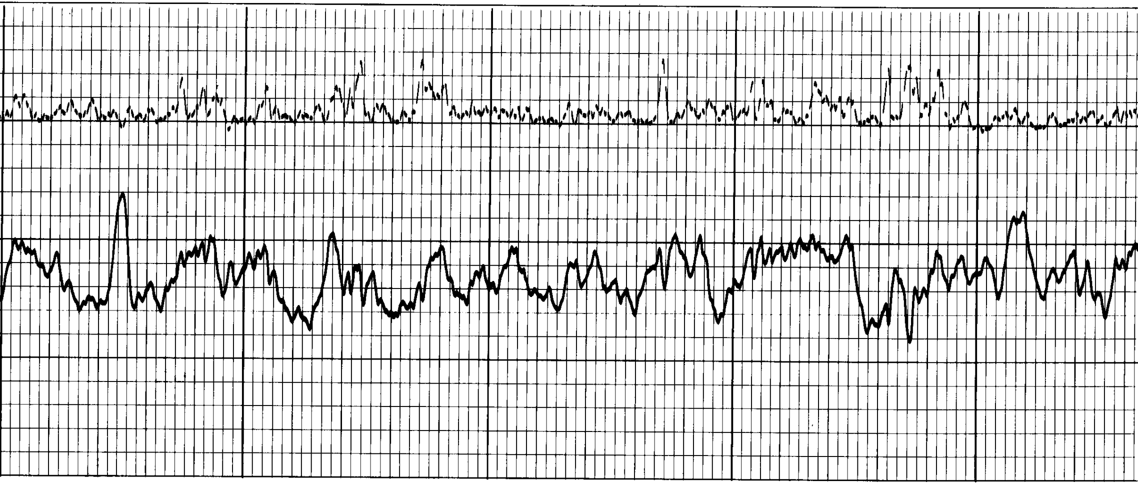
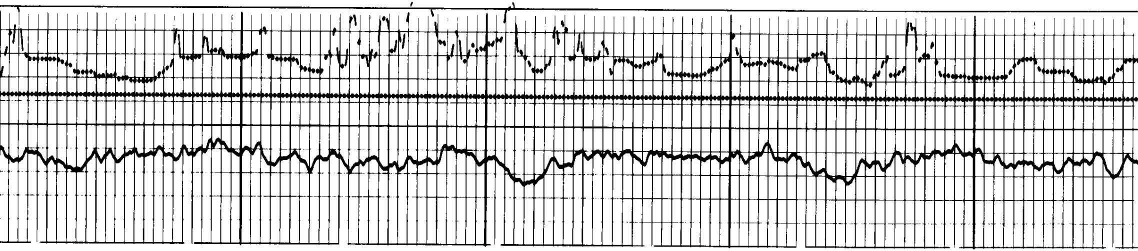
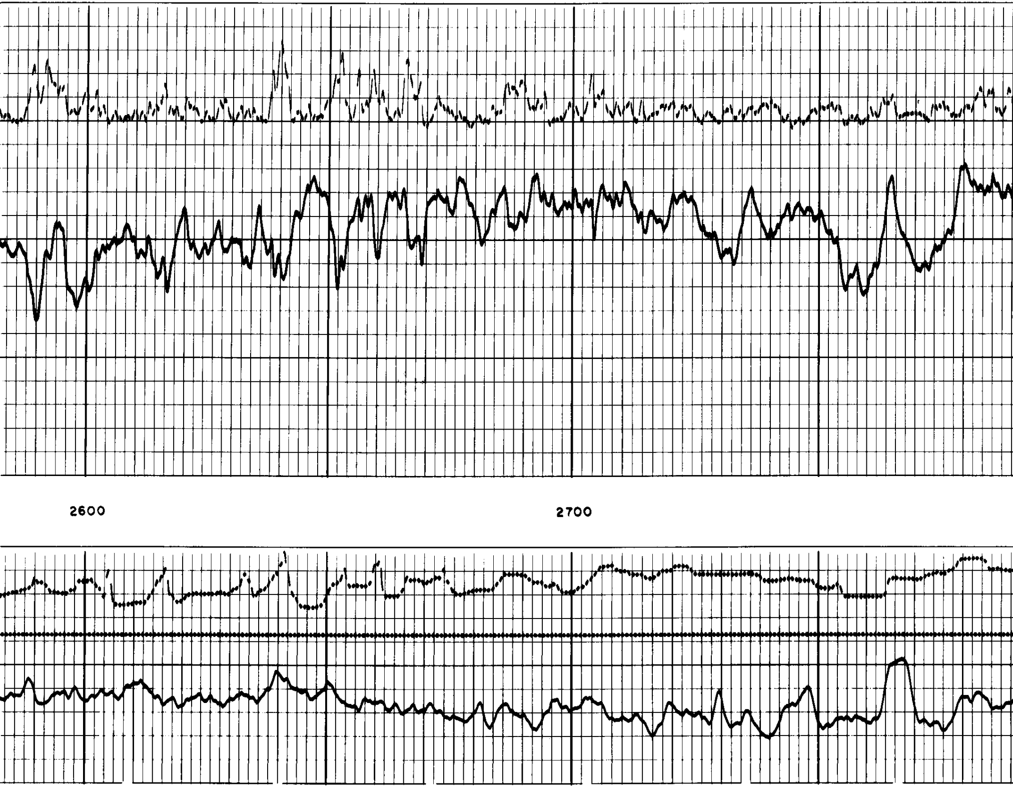
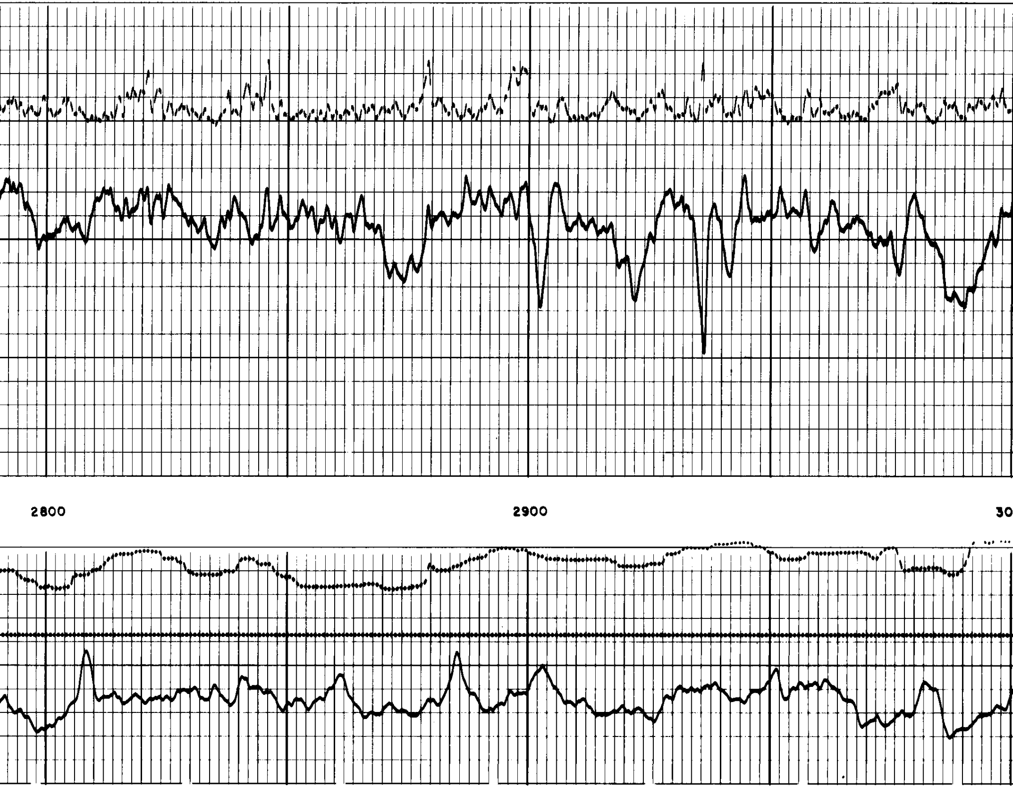


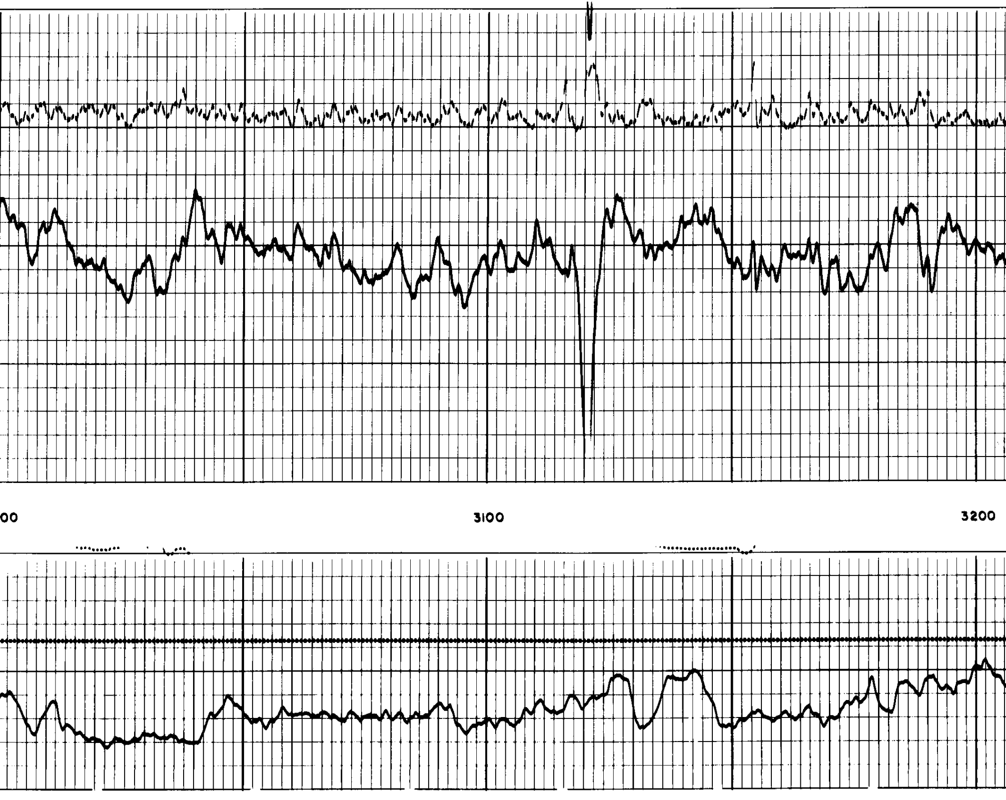


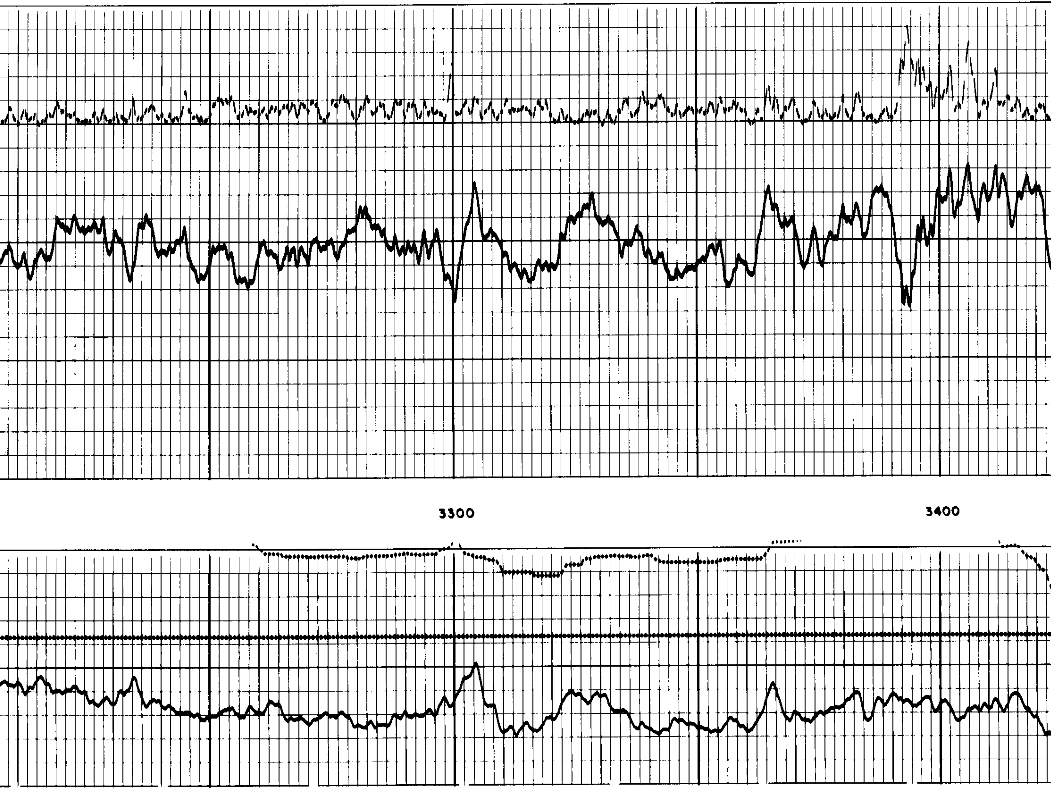


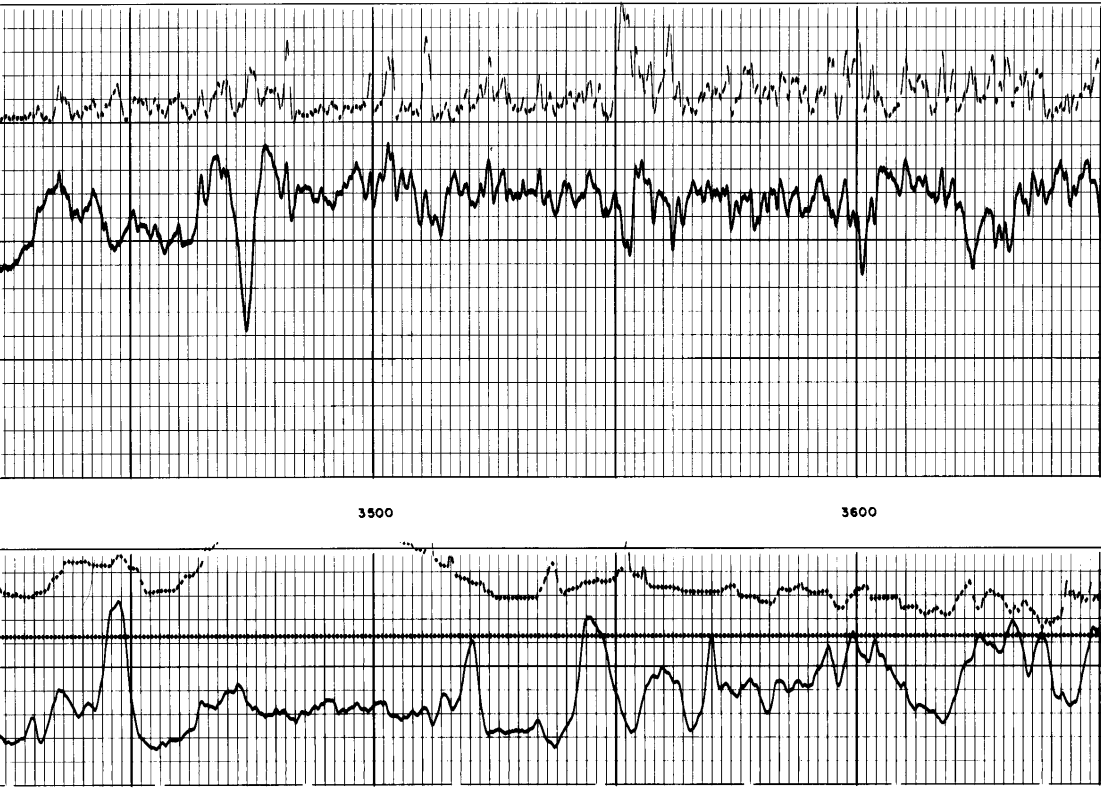


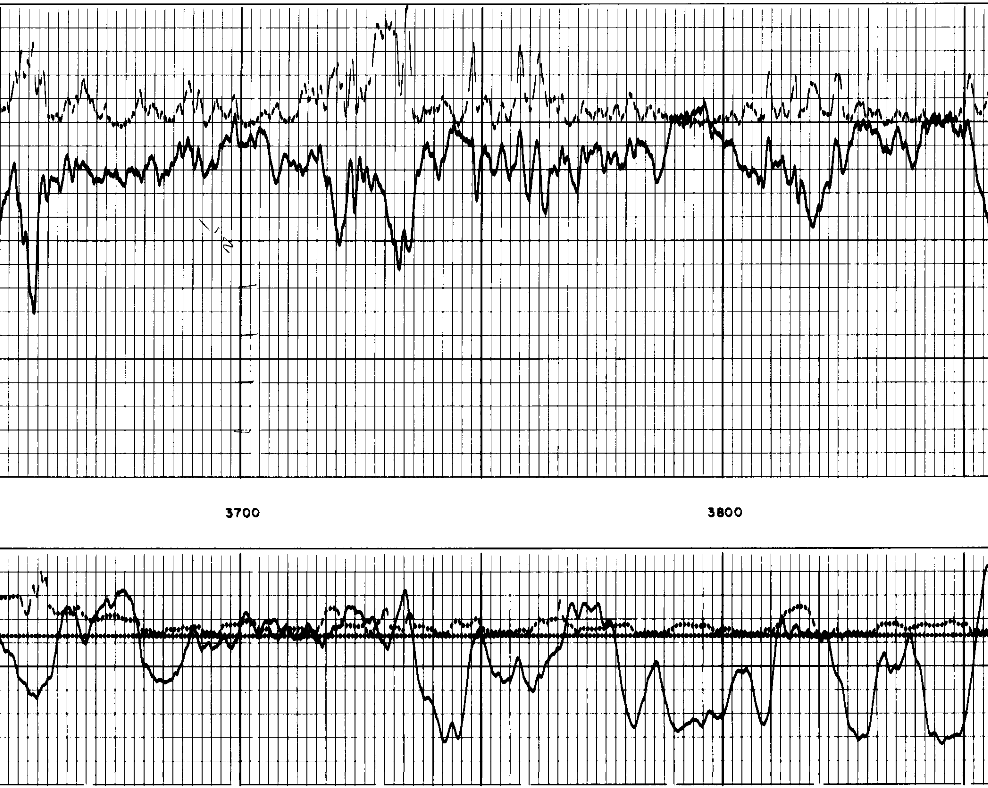


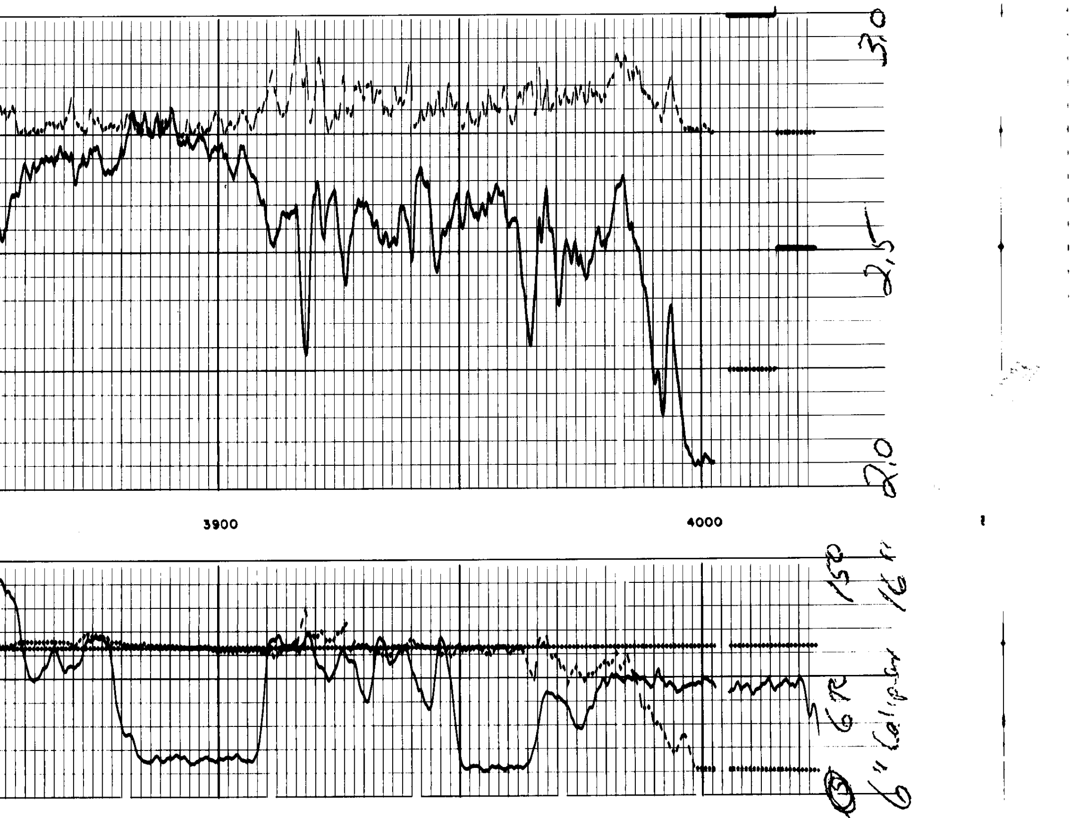


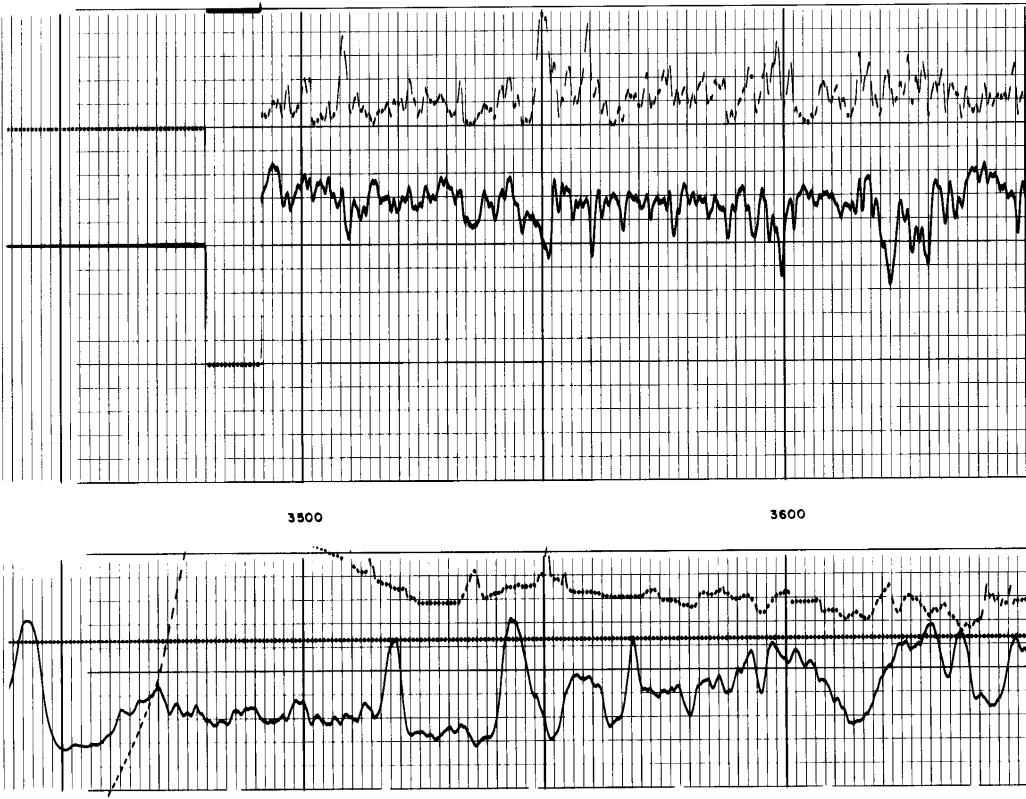


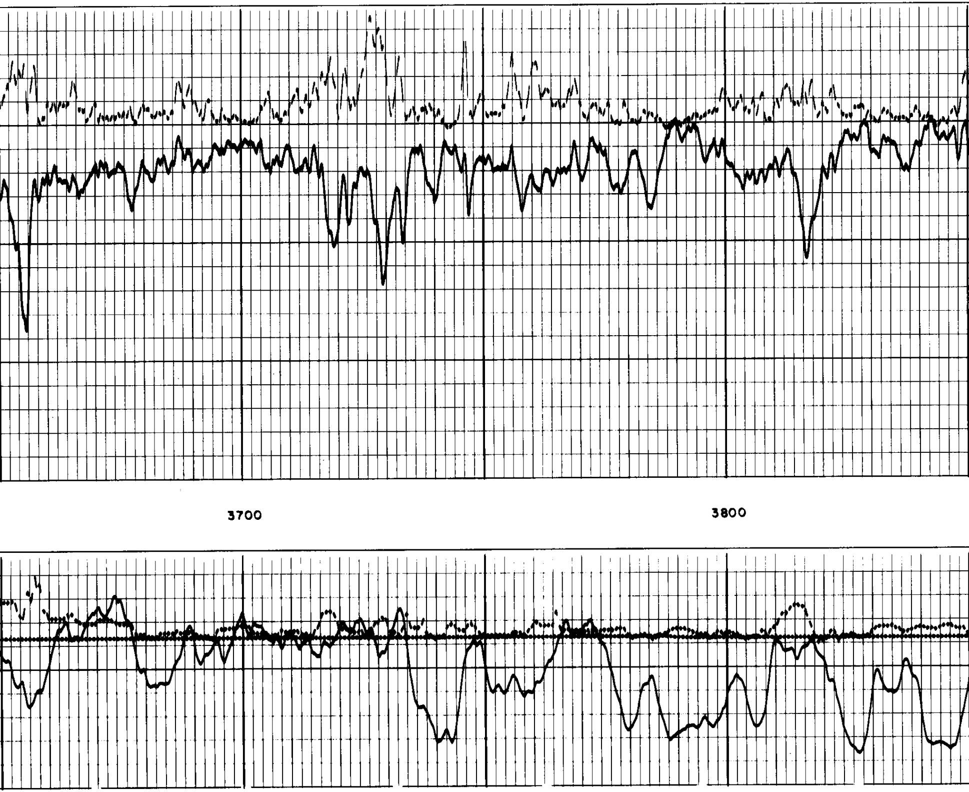


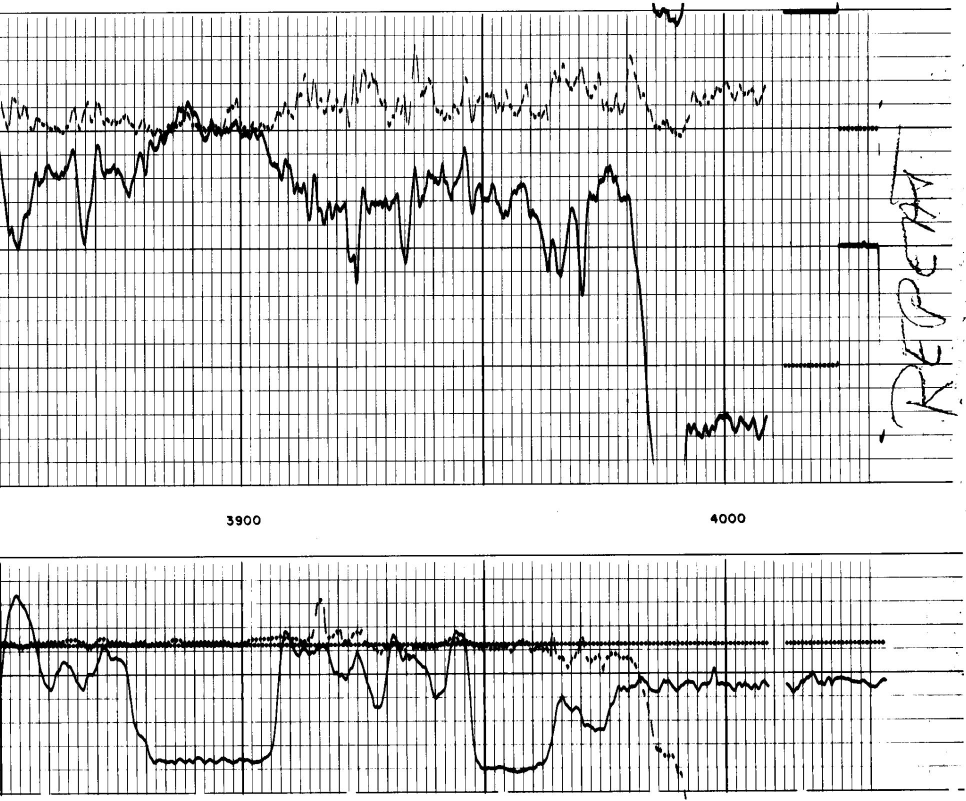








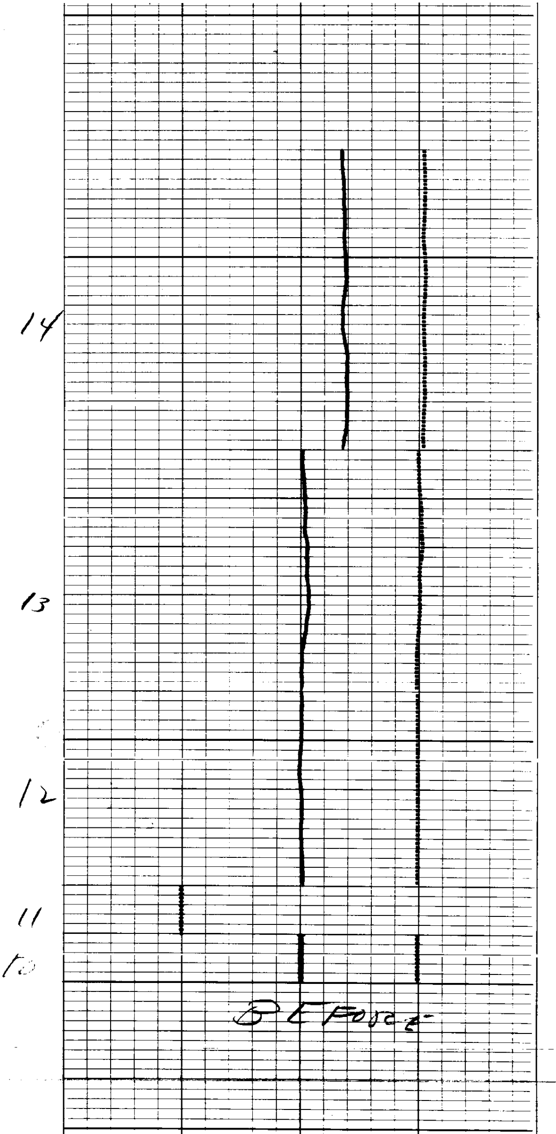


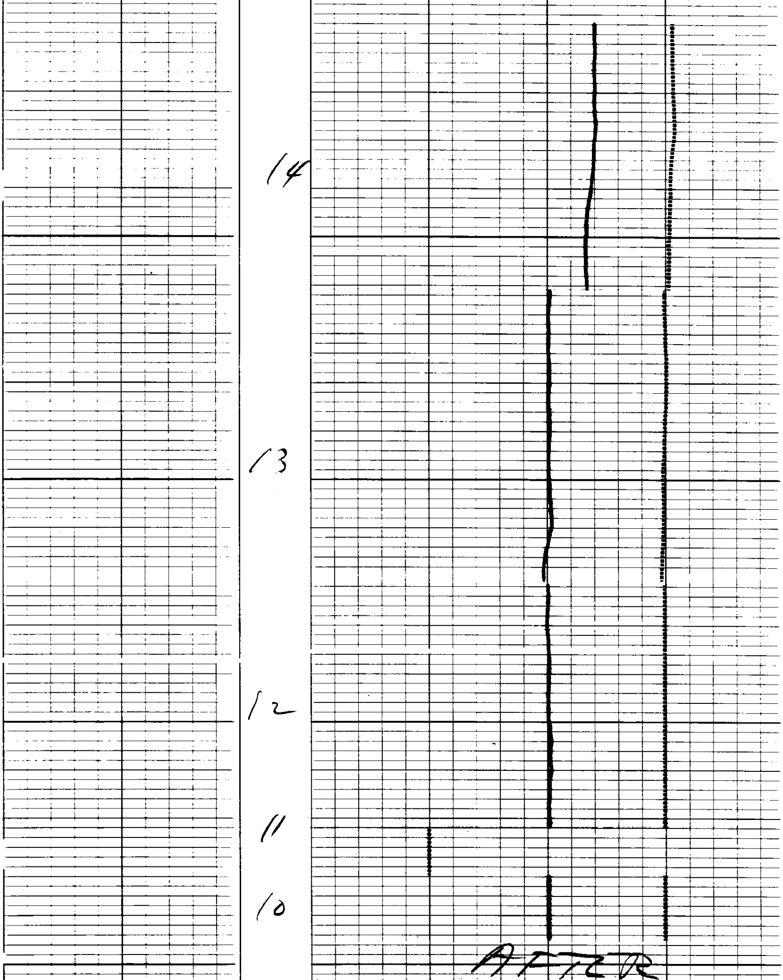


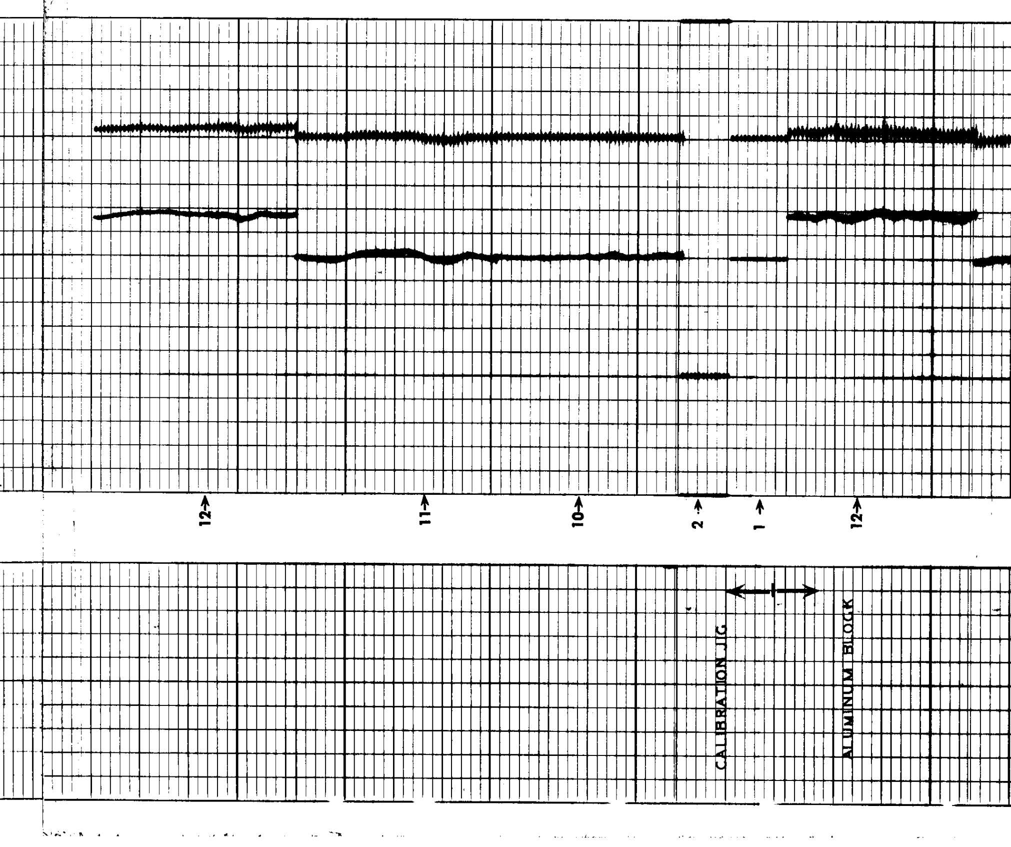
OK
Calibrate

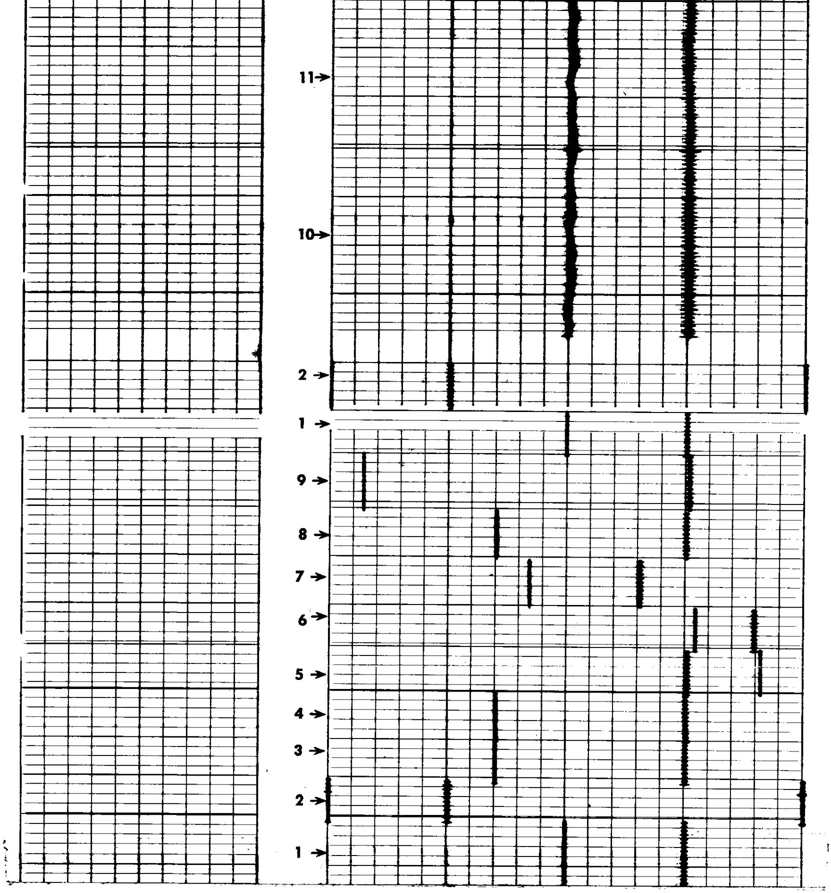
OK
BACKGROUND

BEFORE









FDC-GAMMA RAY CALIBRATION STEPS

MODIFIED
BLACK SET

SEPTEMBER 17,1971

FDC CALIBRATION BAKERSFIELD

1. MECHANICAL ZERO
2. RECORDER SENSITIVITY
3. PANEL TEST ADJUST #1
4. PANNEL TEST ADJUST #2
5-9 PANEL TEST
10. TOOL CALIBRATE #1
11. TOOL CALIBRATE #2
12. LOG POSITION

PGP-D-364 PDH-D-375
PGD-D-91 PGH-A-333
PGC-B-74 PGS-E-250
SFT-106-99
SOURCE 2343

$\rho_1 = 410$ $\rho_2 = 738$

GAMMA RAY CALIBRATION

1.
1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. GALVANOMETER SHIFTED
4. MEMORIZER SENSITIVITY ADJUST
5. BACKGROUND ADJUST
6. CALIBRATE