OC
R-0
Full
No

COUNTY OFFSHORE
FIELD or LOCATION WEST HECETA
WELL OCS P-130 FULMAR NO. 1
COMPANY UNION OIL CO.

SCHLUMBERGER

SONIC LOG GAMMA RAY

WITH CALIPER

COMPANY UNION OIL COMPANY OF CALIFORNIA
TERMINATED
WELL OCS P-0130 FULMAR NO. 1
FIELD WEST HECETA
COUNTY OFFSHORE STATE CALIFORNIA

LOCATION X=910,394 EAST
Y=899,300 NORTH
LAMBERT COORDINATES, OREGON SOUTH ZONE
Sec. Twp. Rge.

Other Services:
SL (GR, FDL, CDM, CBL, I-ES)

Permanent Datum: MLLW, Elev.
Log Measured From RT, 68 Ft. Above Perm. Datum
Drilling Measured From RT

Elev.: R T 68.0'
D.F.
G.L. MLLW

Date	8-20-66
Run No.	FOUR
Depth—Driller	12,221
Depth—Logger	12,217
Btm. Log Interval	12,207
Top Log Interval	5,014
Casing—Driller	9 5/8" @ 5004
Casing—Logger	5,014
Bit Size	8 3/4
Type Fluid in Hole	FRESH LIGNO THIN
Dens. | Visc.	116 | 48
pH | Fluid Loss	8.9 | 3.2 ml
Source of Sample	FLOWLINE
R_m @ Meas. Temp	2.78 @ 73 °F
R_{mf} @ Meas. Temp	1.29 @ 73 °F
R_{mc} @ Meas. Temp	4.6 @ 73 °F
Source R_{mf} | R_{mc}	M | M
R_m @ BHT	1.09 @ 195 °F
Time Since Circ.	7 HOURS
Max. Rec. Temp.	195 °F
Equip. | Location	C-60 | SACTO
Recorded By	ANDERSEN
Witnessed By	BRAISLIN

FOLD HERE

REMARKS

Changes in Mud Type or Additional Samples

Date | Sample No.		
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.		
ph | Fluid Loss	ml	ml
Source of Sample		
R_m @ Meas. Temp	@ °F	@ °F
R_{mf} @ Meas. Temp	@ °F	@ °F
R_{mc} @ Meas. Temp	@ °F	@ °F
Source R_{mf} | R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole
GR	11930	16 56	8 48
GR	5000	0 40	16 56
BSL-C	5000	75 - 125 - 175	50 - 100 - 150

Equipment Data

Run No.	Tool Type	Pad Type	Tool Pos.	Other
ONE	BSL-GR		CENTERED	

C.D.: USED S.O.: CENTERED
Equip. Used: CART. No. A-166
PANEL No. A-169
SONDE No. A-179

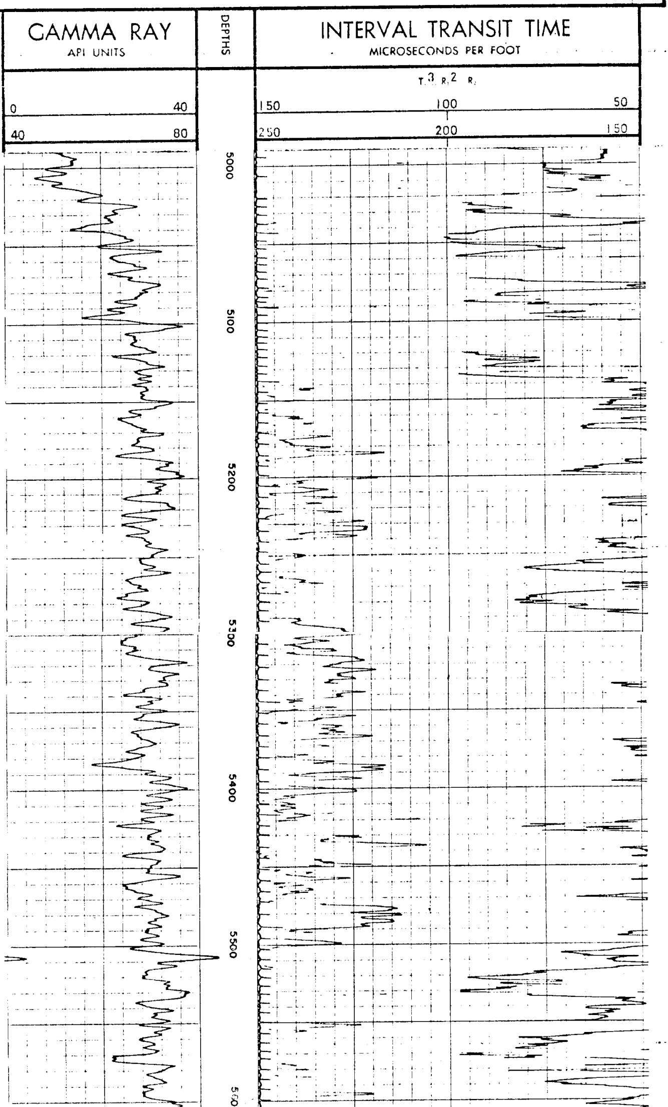
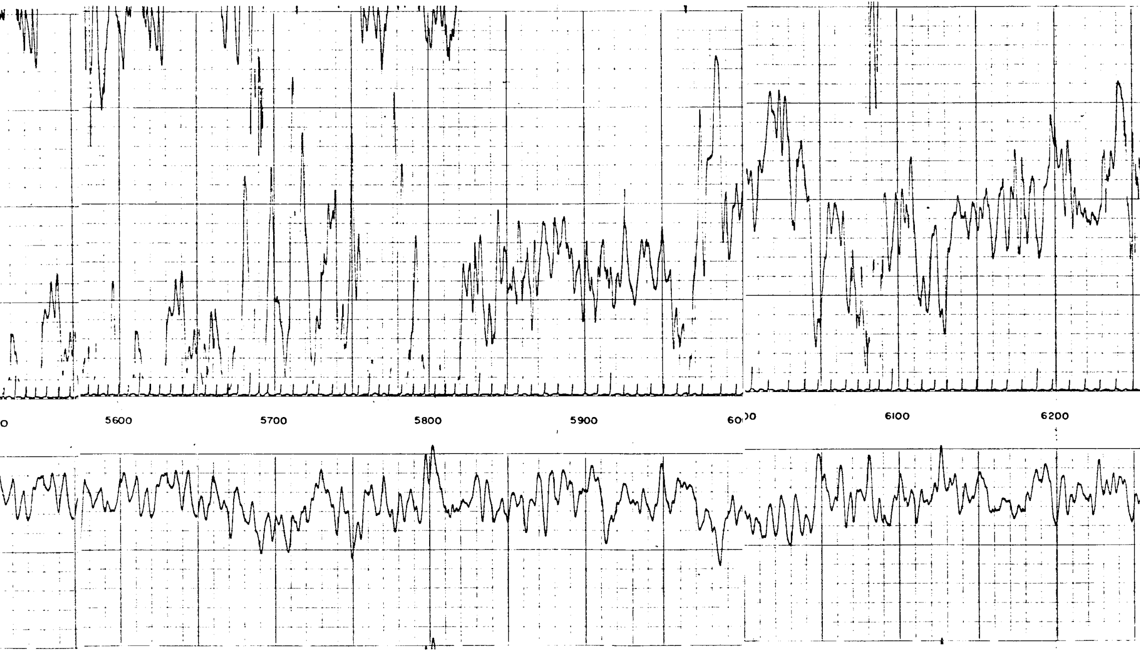
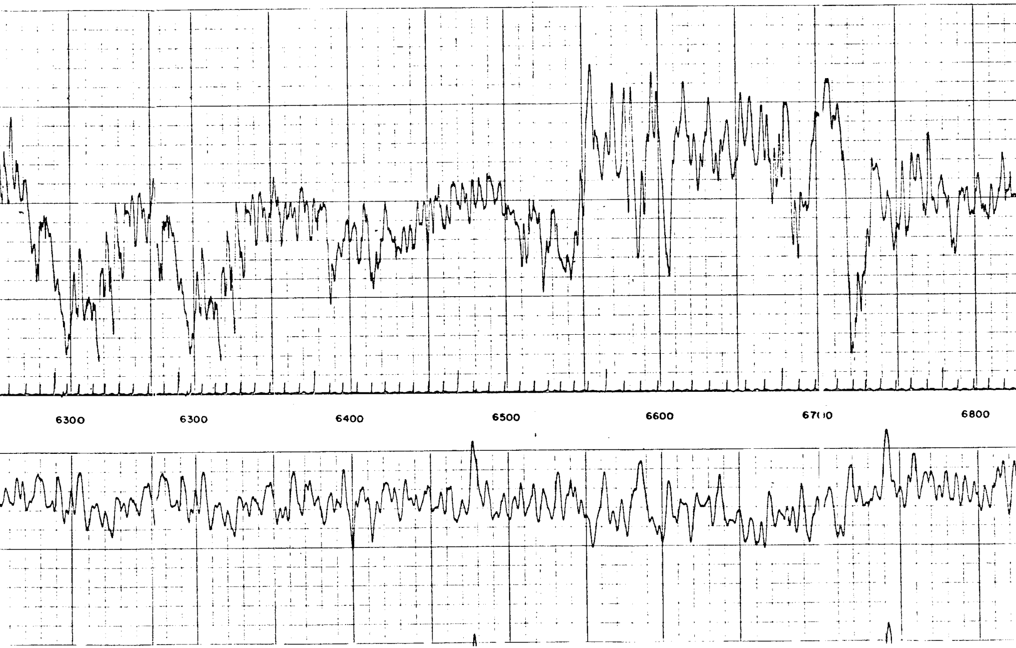
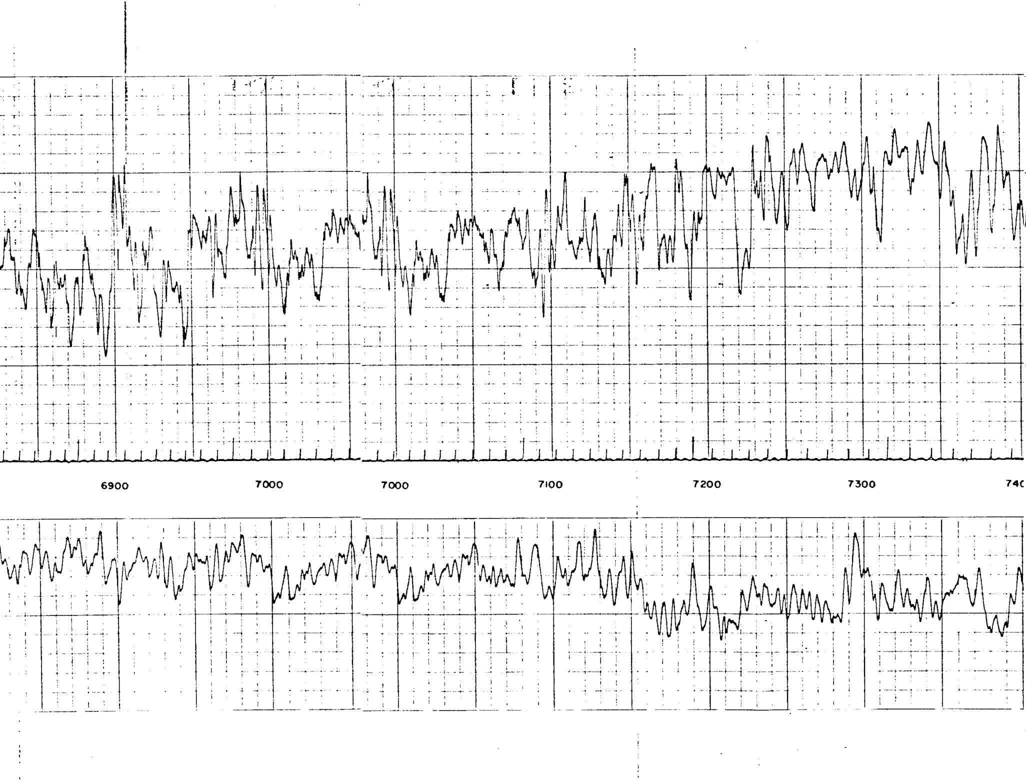
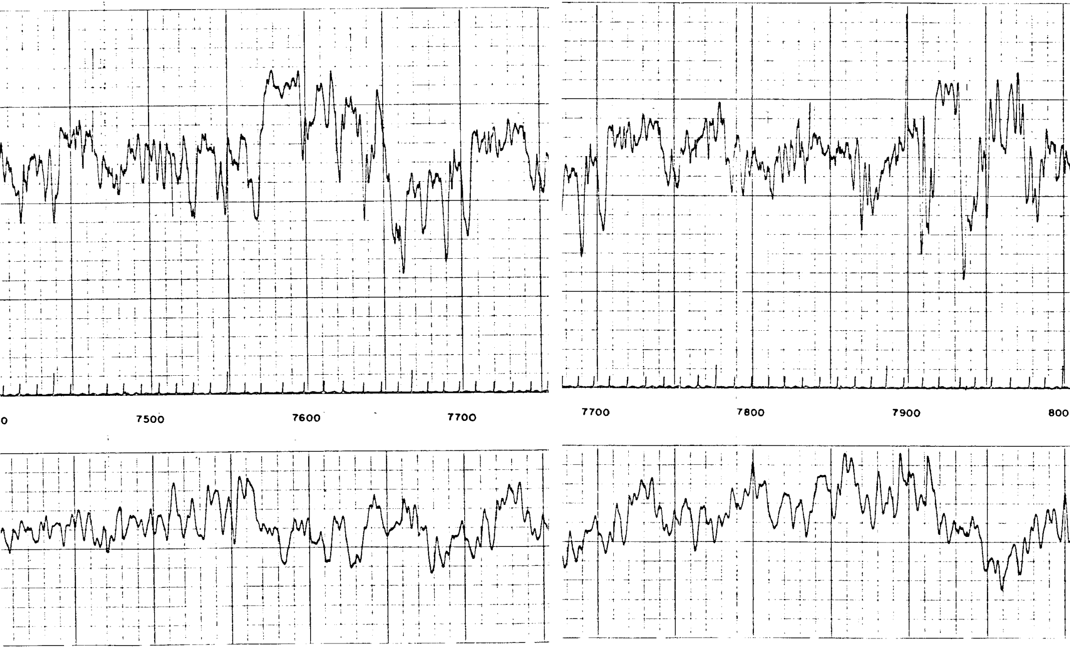
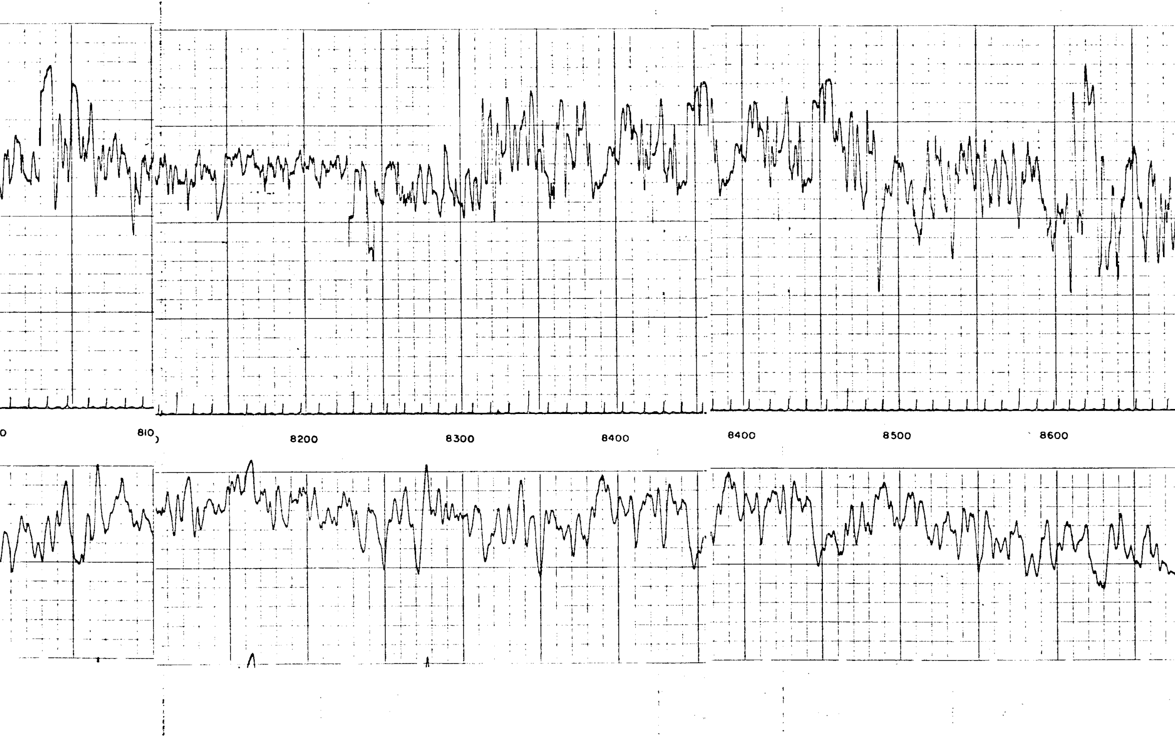
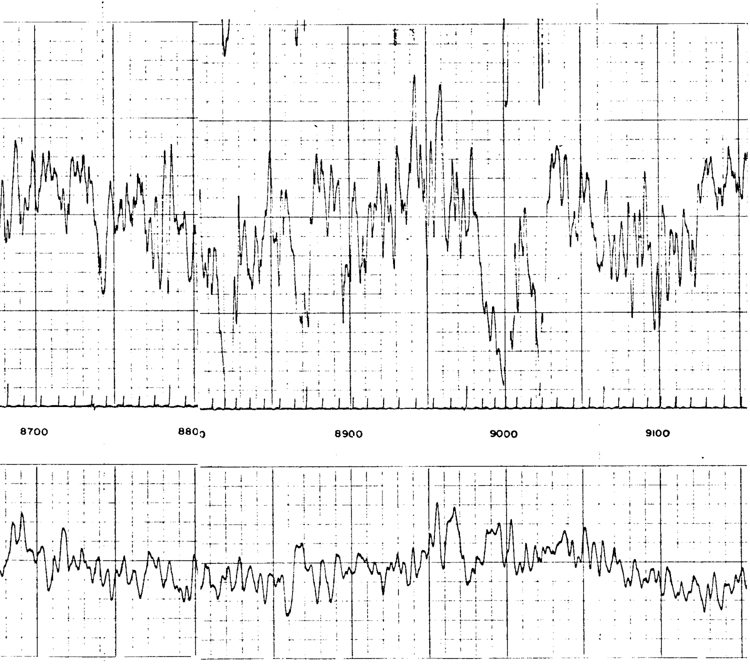
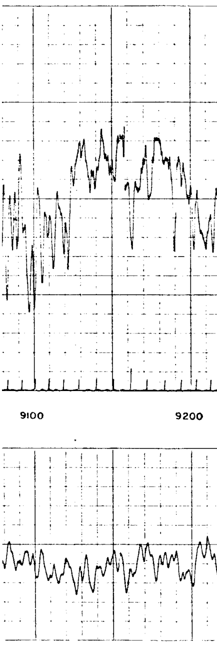
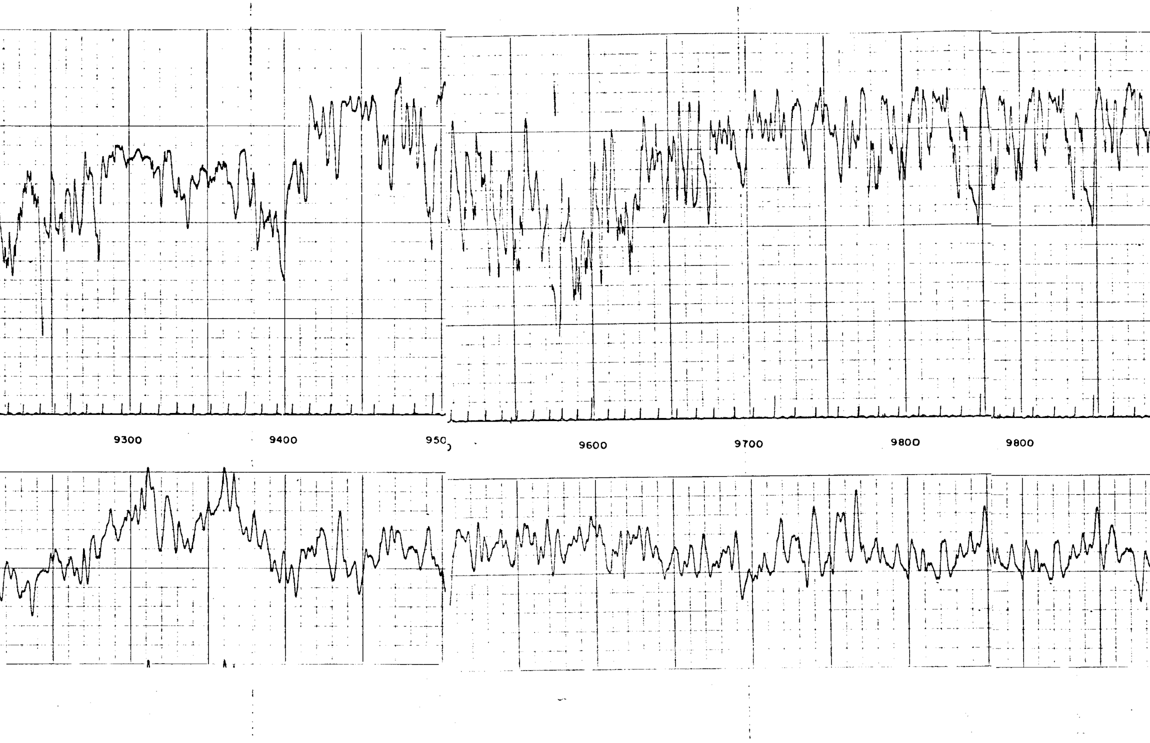
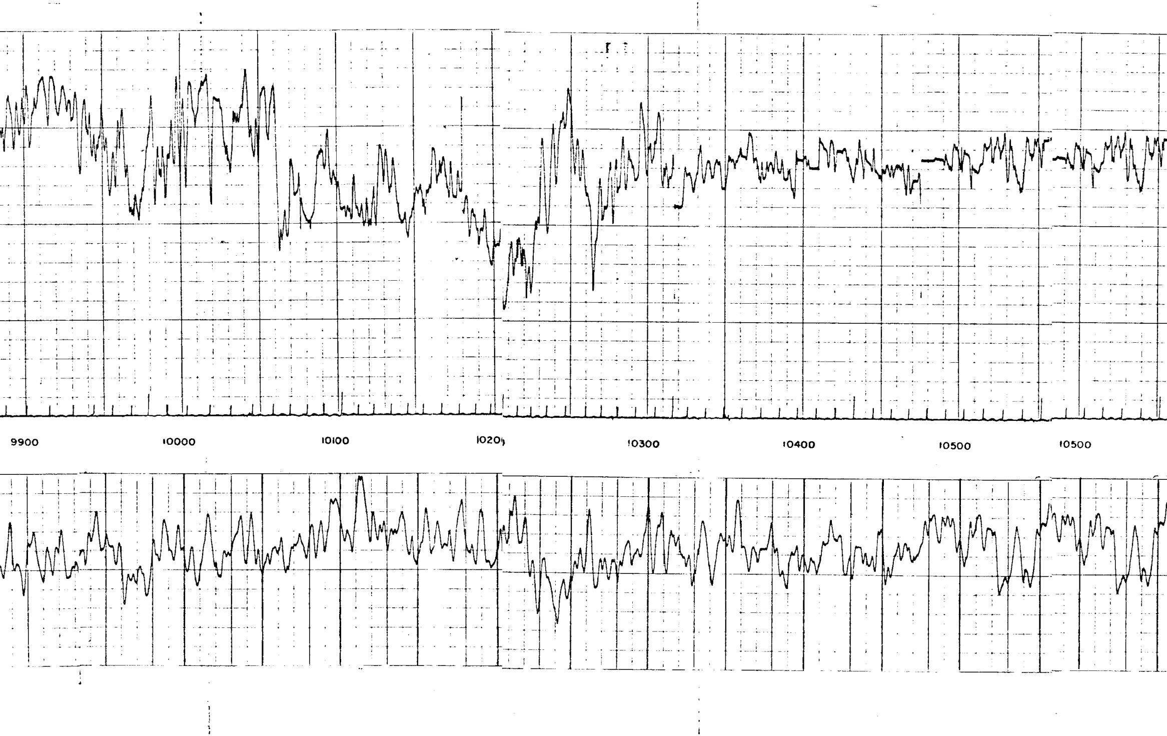
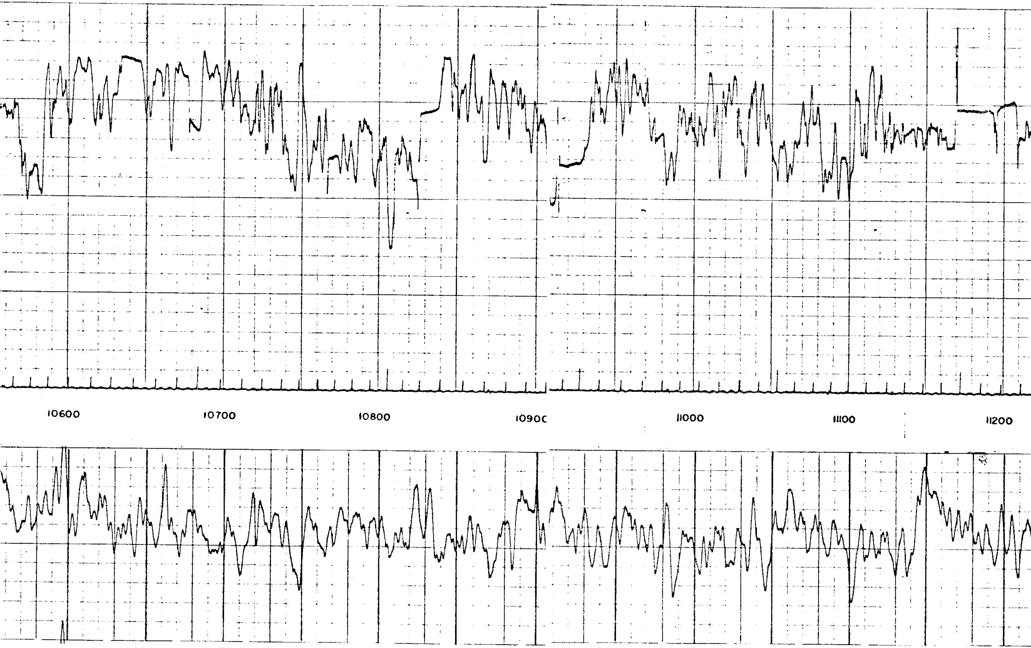
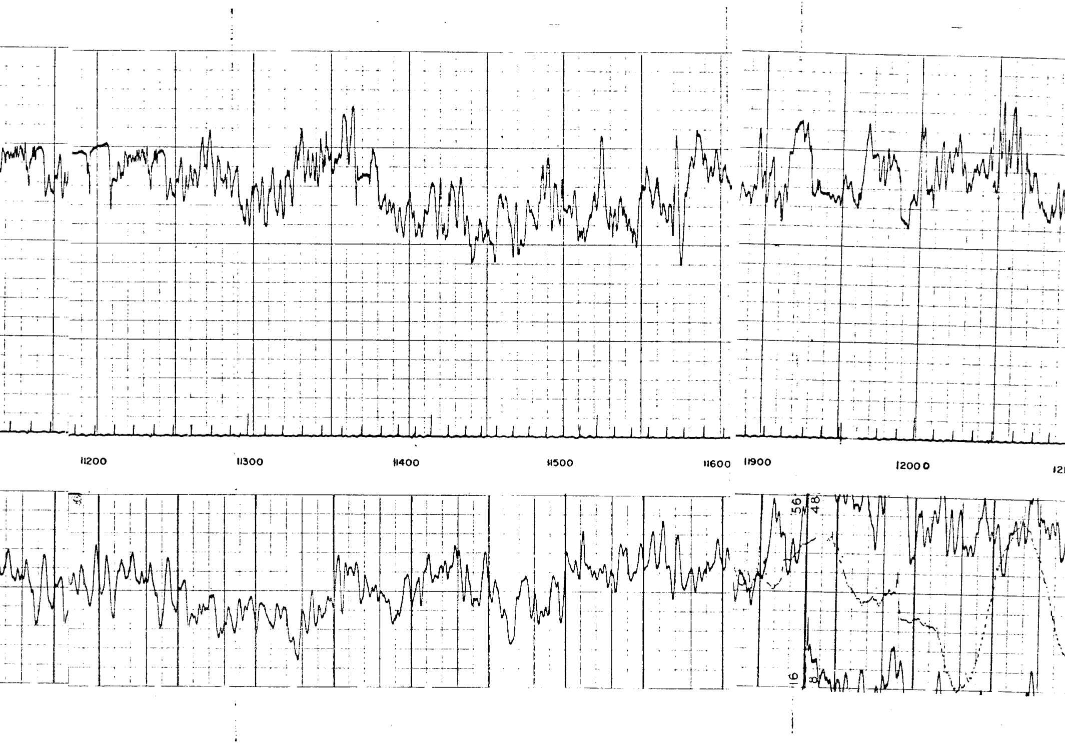
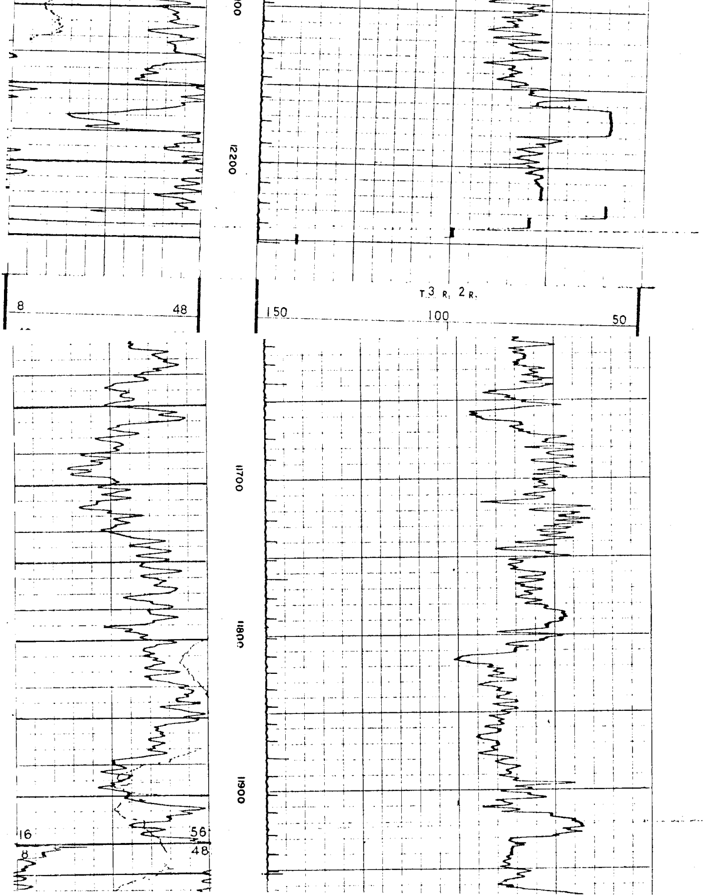
WAVE CANCELLATION DEVICE USED

CALIBRATION	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISIONS	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.	RECORDING SPEED (FT./MIN.)
GAMMA RAY	20	640	8.25	500	100	2	50+

$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

GAMMA RAY API UNITS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT

T.3 R.2 R.

$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$