COUNTY	OFFSHORE
FIELD	BLOCK 672
LOCATION	CHARLOTTE HARBOR
WELL	OCS-G-3917 NO. 1
COMPANY	TENNECO OIL COMPANY

Schlumberger

DUAL INDUCTION-SFL

SONIC

COMPANY TENNECO OIL COMPANY

WELL OCS-G-3917 NO. 1

FIELD BLOCK 672 CHARLOTTE HARBOR

COUNTY OFFSHORE STATE FLORIDA

LOCATION 500' FNL & 500' [illegible]

API SERIAL NO. [illegible]

Other Services: CNL-FDC-GR, FDC-GR, HDT, PROX, MPL

Permanent Datum: MWL

Log Measured From RKB

Drilling Measured From SAME

Elev.: K.B. 90; D.F. 89; G.L. MWL

Date	1-15-81	[illegible]	[illegible]	2-1[illegible]-81
Run No.	ONE	TWO	[illegible]	[illegible]
Depth—Driller	5000	[illegible]	[illegible]	[illegible]
Depth—Logger (Schl.)	5003	[illegible]	[illegible]	[illegible]
Btm. Log Interval	4994	[illegible]	[illegible]	[illegible]
Top Log Interval	1188	[illegible]	[illegible]	[illegible]
Casing—Driller	16" @ 1190	[illegible]	5158	5103
Casing—Logger	1190	[illegible]	[illegible]	[illegible]
Bit Size	14 3/4	[illegible]	[illegible]	[illegible]
Type Fluid in Hole	SEAWATER	[illegible]	[illegible]	[illegible]
Dens. | Visc.	8.8 | 40	[illegible]	[illegible]	[illegible]
pH | Fluid Loss	— | — ml	ml	ml	ml
Source of Sample	FLOWLINE	[illegible]	[illegible]	[illegible]
Rm @ Meas. Temp.	.135 @ 82 °F	[illegible]	[illegible]	[illegible]
Rmf @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	[illegible]	[illegible]	[illegible]	[illegible]
Rm @ BHT	[illegible]	[illegible]	[illegible]	[illegible]
TIME Circulation Stopped	[illegible]	[illegible]	[illegible]	[illegible]
TIME Logger on Bottom	[illegible]	[illegible]	[illegible]	[illegible]
Max. Rec. Temp.	[illegible]	[illegible]	[illegible]	[illegible]
Equip. | Location	4539 | PMOS	4539	[illegible]	[illegible]
Recorded By	BRYAN-KENYON	BRYAN	[illegible]	[illegible]
Witnessed By	MESSRS. TINK	[illegible]	[illegible]	[illegible]

Permanent Datum: MWL Elev.: 0

Log Measured From RKB 90 Ft. Above Perm. Datum

Drilling Measured From SAME

Elev.: K.B. 90; D.F. 89; G.L. MWL

Date	2-21-81	2-26-81		
Run No.	FIVE	SIX		
Depth—Driller	11031	11300		
Depth—Logger (Schl.)	11092	11304		
Btm. Log Interval	11089	11301		
Top Log Interval	10550	11089		
Casing—Driller	10 3/4 @ 5154	10 3/4 @ 5154	@	@
Casing—Logger	5158	5158		
Bit Size	9 7/8	9 7/8		
Type Fluid in Hole	SEAWATER-GEL	SEAWATER-GEL		
Dens. | Visc.	9.2 | 3[illegible]	9.1 | 43	|	|
pH | Fluid Loss	[illegible] | 11.5 ml	10.5 | 9 ml	| ml	| ml
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	.254 @ 76 °F	.281 @ 75 °F	@ °F	@ °F
Rmf @ Meas. Temp.	[illegible] @ 76 °F	.221 @ 75 °F	@ °F	@ °F
Rmc @ Meas. Temp.	[illegible] @ 76 °F	.349 @ 75 °F	@ °F	@ °F
Source: Rmf | Rmc	M | M	M | M	|	|
Rm @ BHT	[illegible] @ [illegible] °F	.105 @ 200 °F	@ °F	@ °F
TIME Circulation Stopped	[illegible]	1200 2-26		
TIME Logger on Bottom	[illegible]	1930 2-26		
Max. Rec. Temp.	[illegible] °F	200 °F	°F	°F
Equip. | Location	[illegible] | PMOS	4539 | PMOS	|	|
Recorded By	BRYAN	BRYAN		
Witnessed By	[illegible]	GALLES-STRIDER-HAR[illegible]		

SO 7JJ

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

Run No.	ONE	TWO	THREE	FOUR
Service Order No.	103803	103697	103804	103698
Fluid Level	FULL	FULL	FULL	FULL
Speed F.P.M.	40	60	60	50
Salinity ppm Cl			14600	13200

EQUIPMENT DATA

Panel	LA-524	524	LA-524	524
Cartridge	DA-41	41	DA-41	41
Sonde	LA-524	524	LA-524	524
Memo [illegible]	524-524	550	524-524	[illegible]
Centralizer Type	[illegible]	[illegible]	[illegible]	[illegible]
Stand-off Type	1.5"	1.5"	1.5"	1.5"
G.R. Panel	A-550	550	A-550	550

CALIBRATION DATA

SBR	1.0	1.0	1.0	1.0
ILD Scale [illegible]		[illegible]		

SCALE CHANGES

Type Log	DEPTH	Scale Up Hole	Scale Down Hole
GR-1	4994	0-125	0-100
GR-5	5700	0-125	0-100

REMARKS

RUN 1) WELL DRILLED WITH SEAWATE
OCCASSIONALLY. FRESH WATER GEL
WAS SPOTTED BEFORE LOGGING, 100
BBL. FRESH WATER GEL WAS PUMPED
INTO HOLE. THEREFORE, SP IS
MEANINGLESS. SP [illegible] JAMMED AT

ILM Sonde Err	[illegible]	[illegible]	[illegible]	[illegible]
SE Sect Length				
SE Corr Hole Size				
GR Background	25	35	40	50
GR Source	420	425	420	440
TC Cal	CAL	AUTO	A	CAL

OGGING DATA

SBR	1.0	1.0	1.0	1.0
ILD Sonde Error Log	0.3	1.3	[illegible]	[illegible]
ILM Sonde Error Log	5	.7		
GR Scale per 100 Div	125	100	100	100
GR TC Log	AUTO	AUTO	AUTO	AUTO
Run No	FIVE	SIX		
ervice Order No		106551		
luid Level	10--	FULL		
peed FPM	65	40-50		
alinity ppm Cl		13600		

QUIPMENT DATA

anel	[illegible]	[illegible]		
artridge	41	41 A		
onde	54	54		
Activation Panel	550	550		
entralizer Type	5.0	5.0		
tand off	1.5	1.5		
R Panel	520	520		

ALIBRATION DATA

BR	1.0	1.0		
ILD Sonde Error	[illegible]	[illegible]		
M Sonde Error	[illegible]	4		
E Sect Hole Length				
E Corr - Hole Size		-		
R Background	50	50		
R Source	460	460		
C Cal	CAL	AUTO		

OGGING DATA

BR	1.0	1.0		
D Sonde Error Log	0.3	0.3		
M Sonde Error Log	7.2	7.4		
R Scale per 100 Div.	100	100		
R - TC Log	AUTO	AUTO		

2500', [illegible] SPEEDED AT 75/1,
SONIC CYCLE SKIPPING TO WASH-
OUTS UNAVOIDABLE.
RUN 3) SONIC CYCLE SKIPS A
5310, 6001, 6B 3, 7002, 8005 DUE
TO POOR SIGNAL RETURN.
GR DROPPED OUT FROM 7350 TO 7300
RUN 4) *GET
*FULLER-PAT [illegible]
RUN 5) RUN 7 WAS [illegible] AT [illegible]
OF RUN 5. [illegible] WILL BE PRE-
SENTED AT THE END OF THE
COMPOSITE.

SCALE CHANGES

Type Log	DEPTH	Scale Up Hole	Scale Down Hole

REMARKS

RUN 6) RAN REPEAT SECTION AT
1800' PER HOUR IN AN EFFORT TO
ELIMINATE SONIC CYCLE SKIPS.

DETAIL LOG

SPONTANEOUS-POTENTIAL

DEPTH

RESISTIVITY OHMS. M²/M

SPHERICALLY FOCUSED LOG

0.2 1.0 10 100 1000 2000

MEDIUM INDUCTION

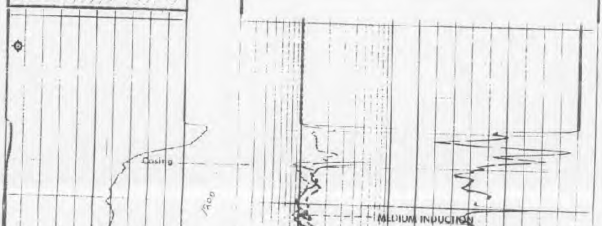
0.2 1.0 10 100 1000 2000

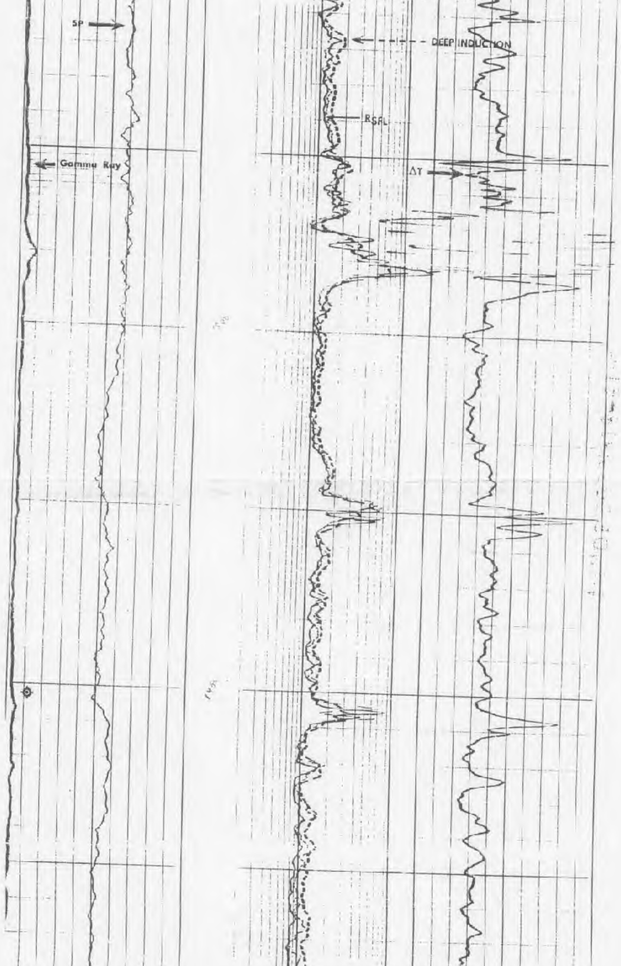
DEEP INDUCTION

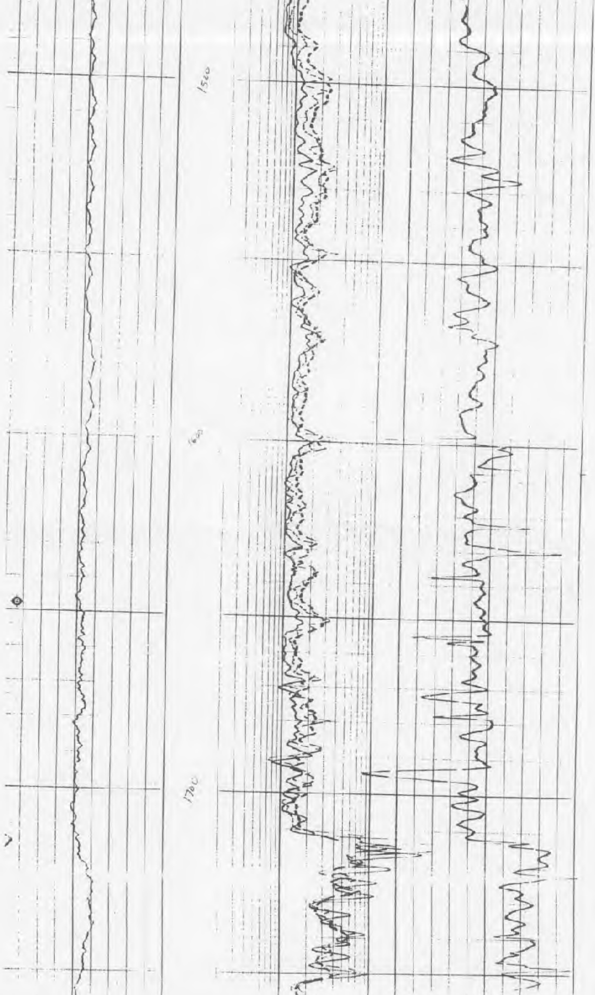
0.2 1.0 10 100 1000 2000

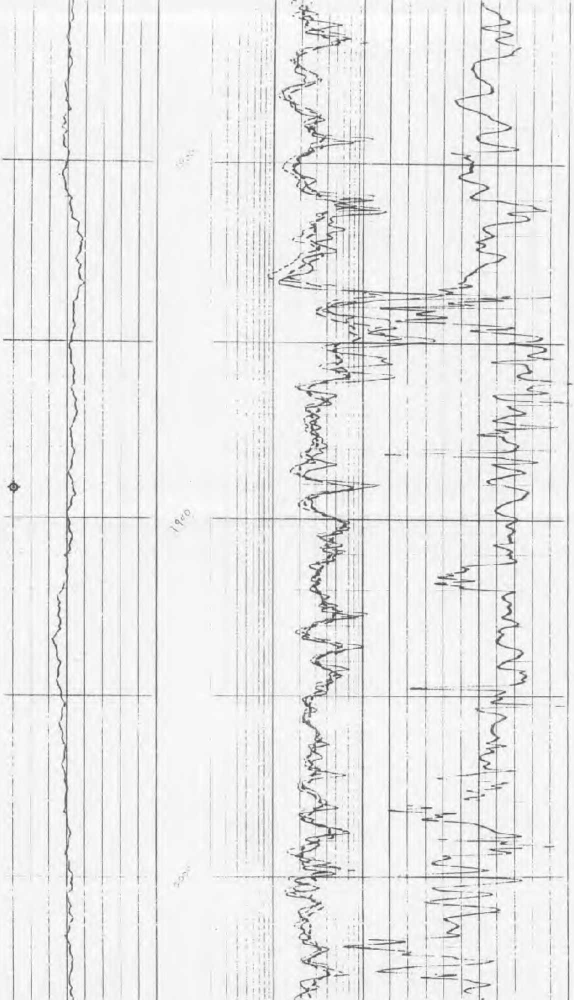
GAMMA RAY API UNITS

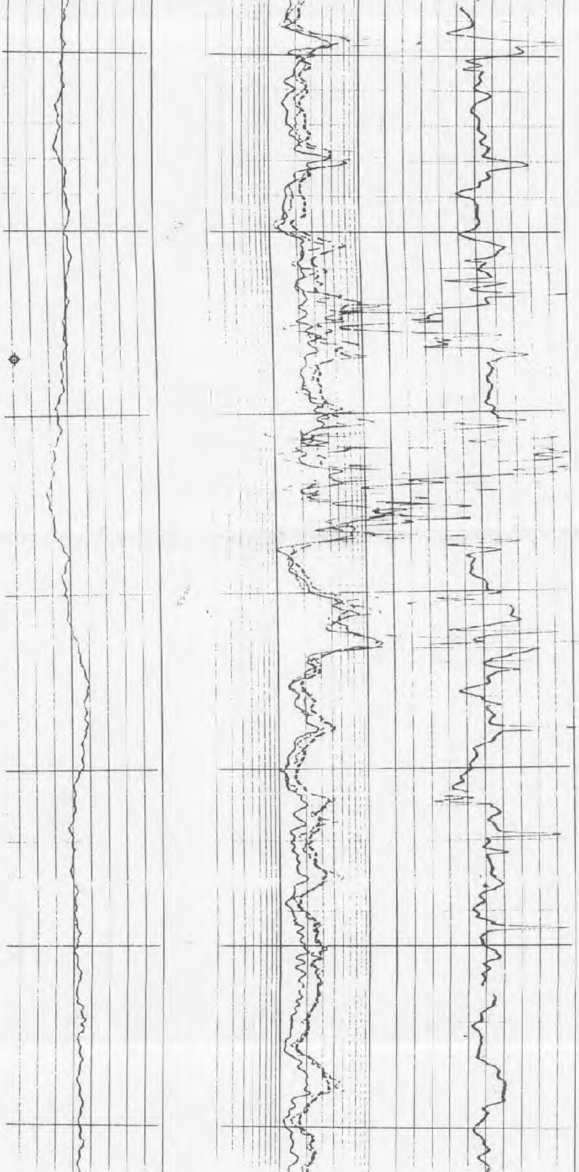
TRANSIT TIME

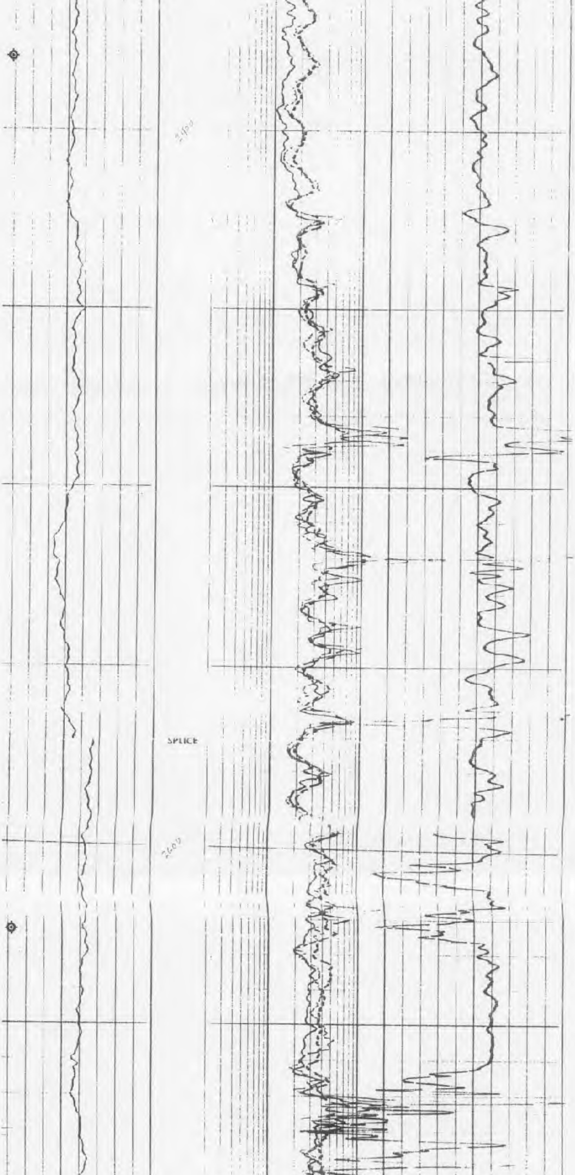


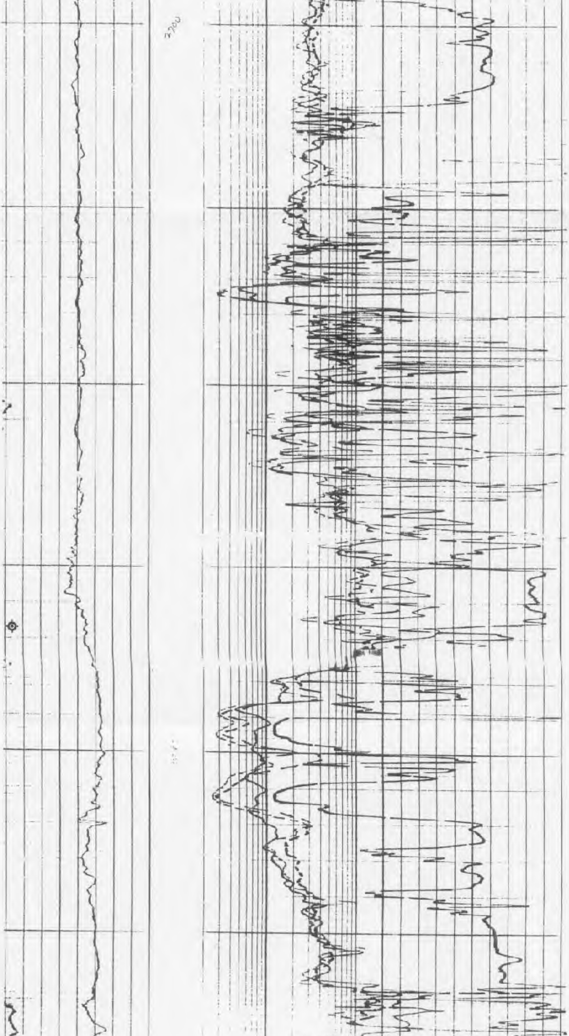


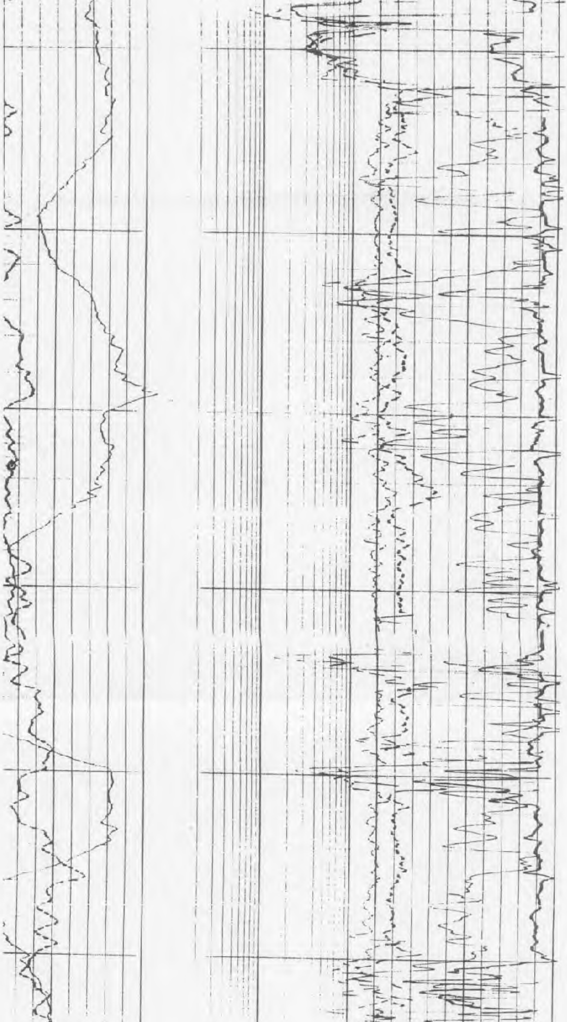


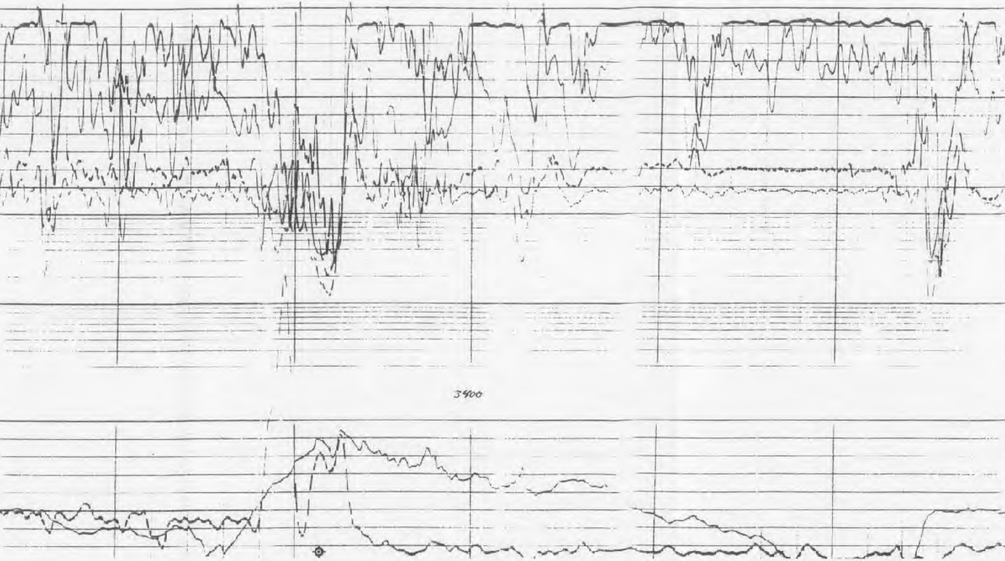


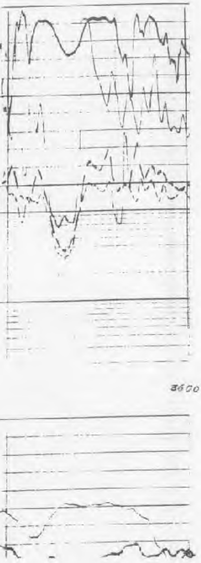


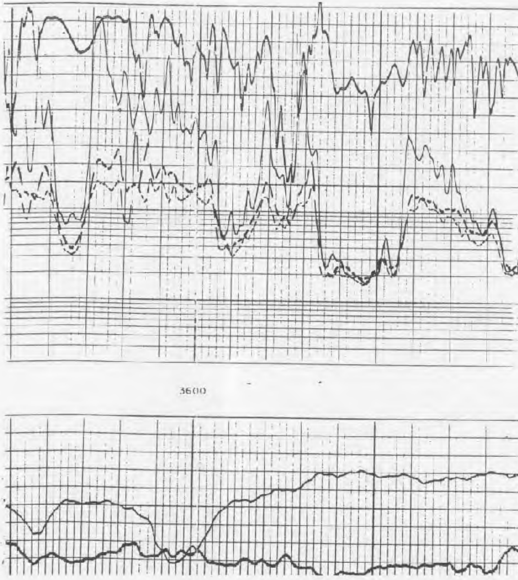


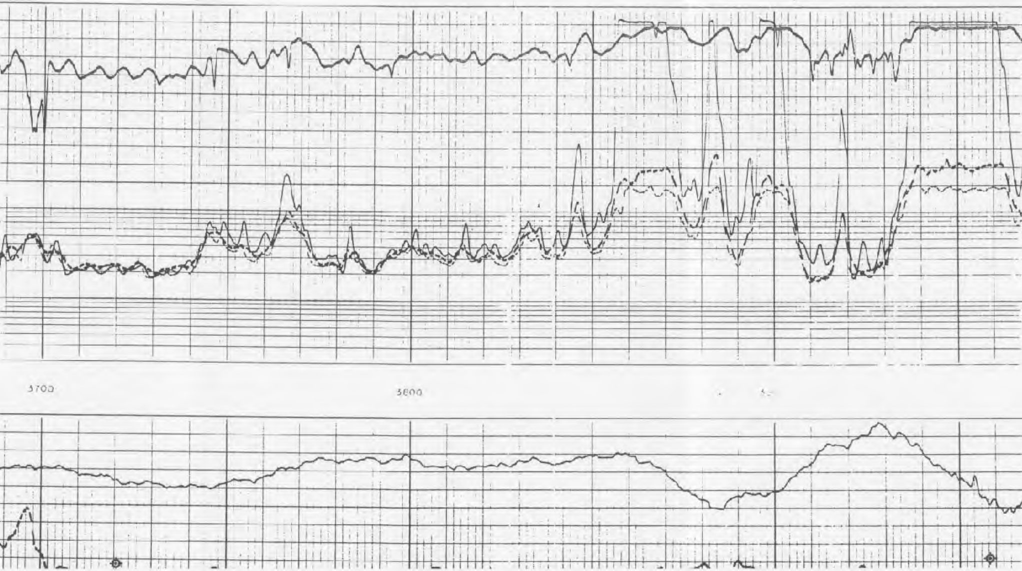


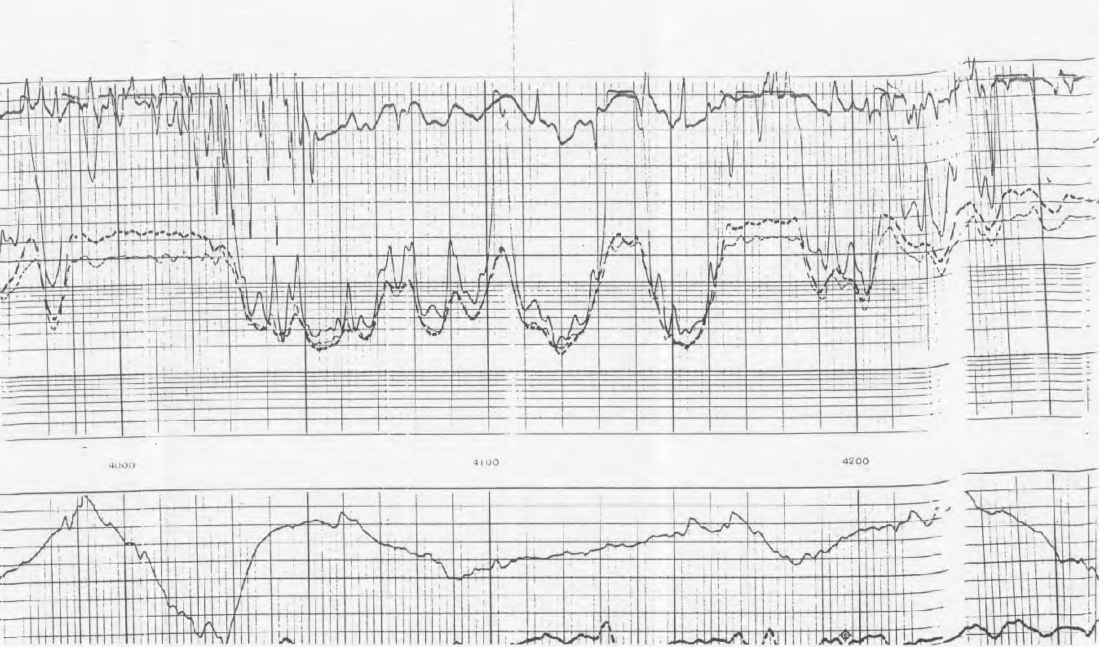


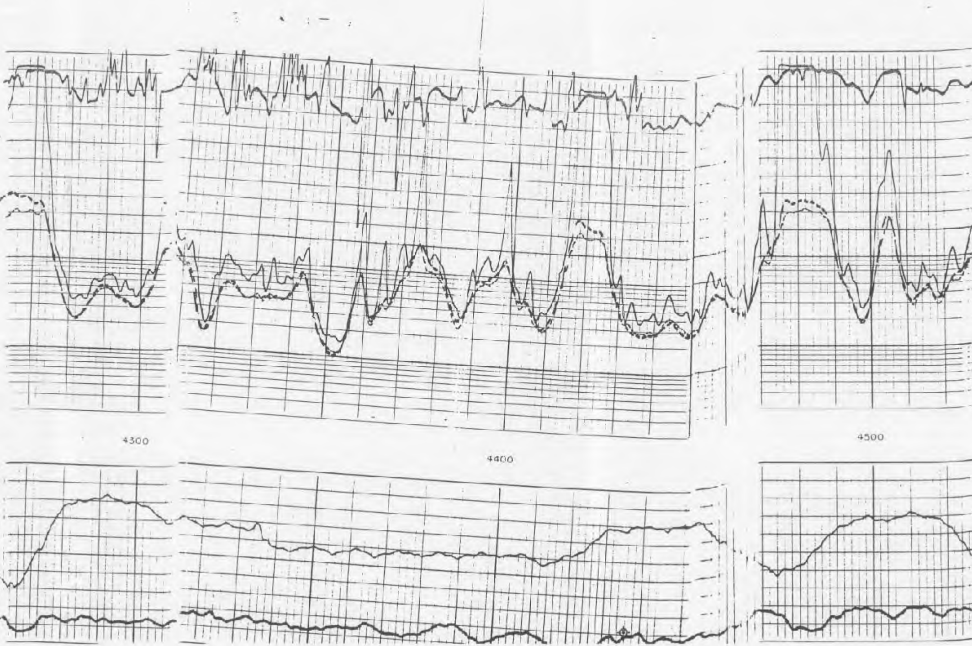


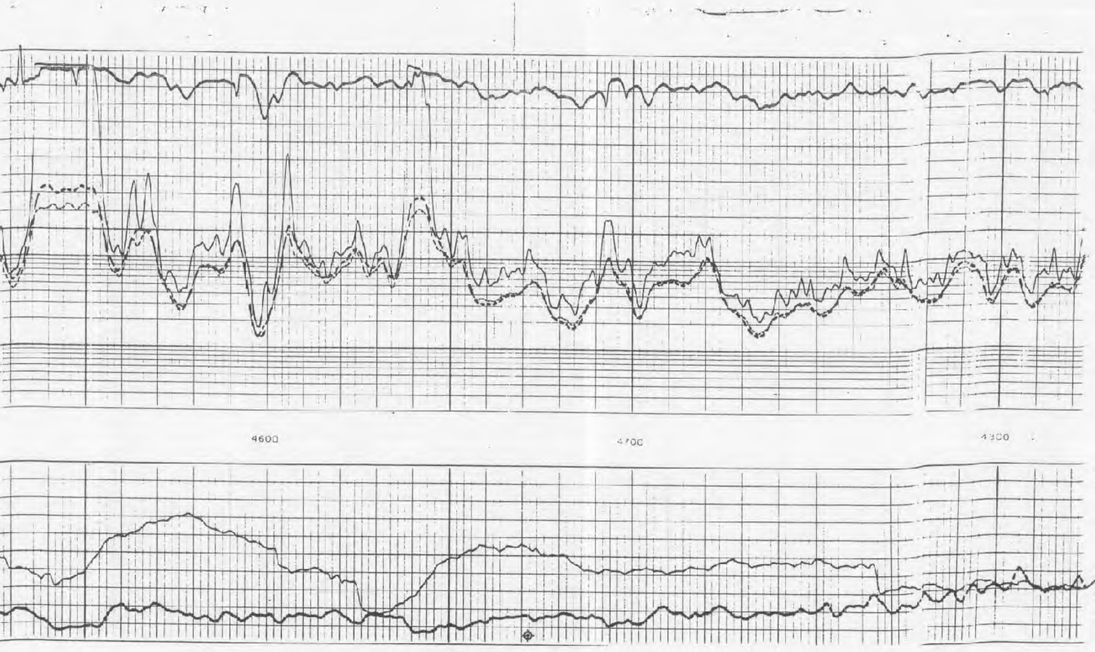


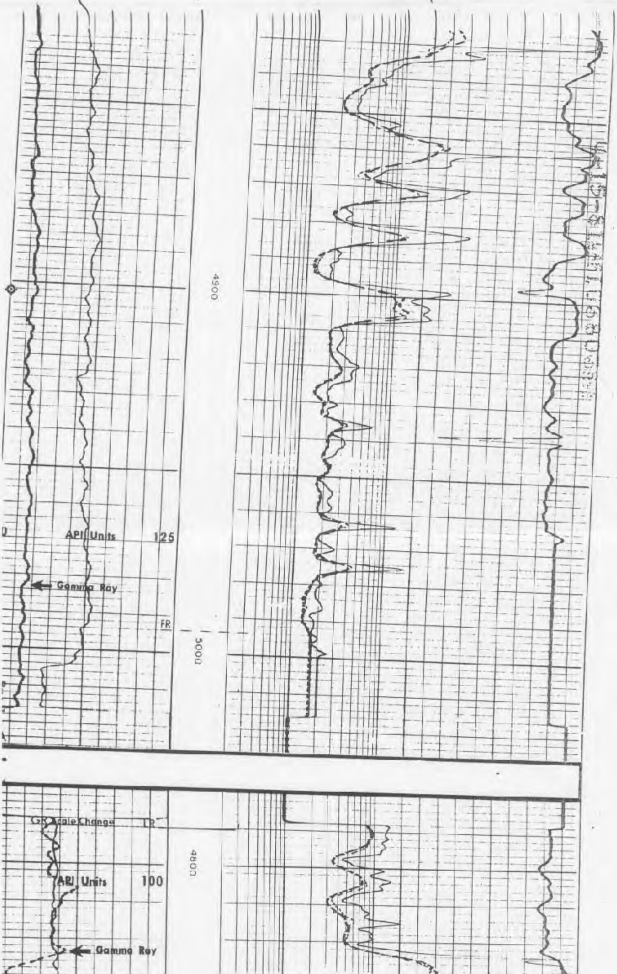


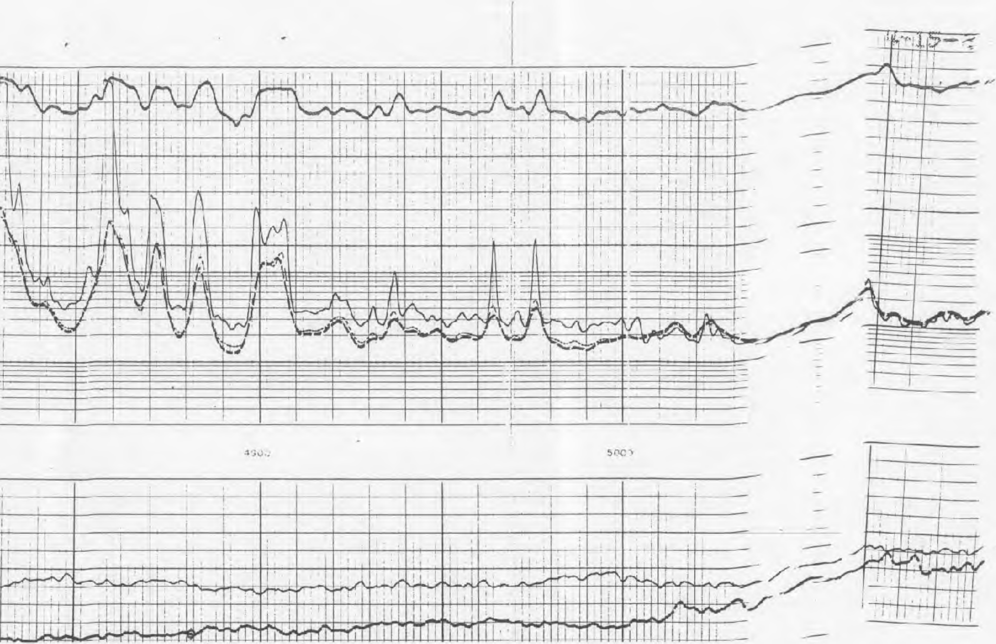


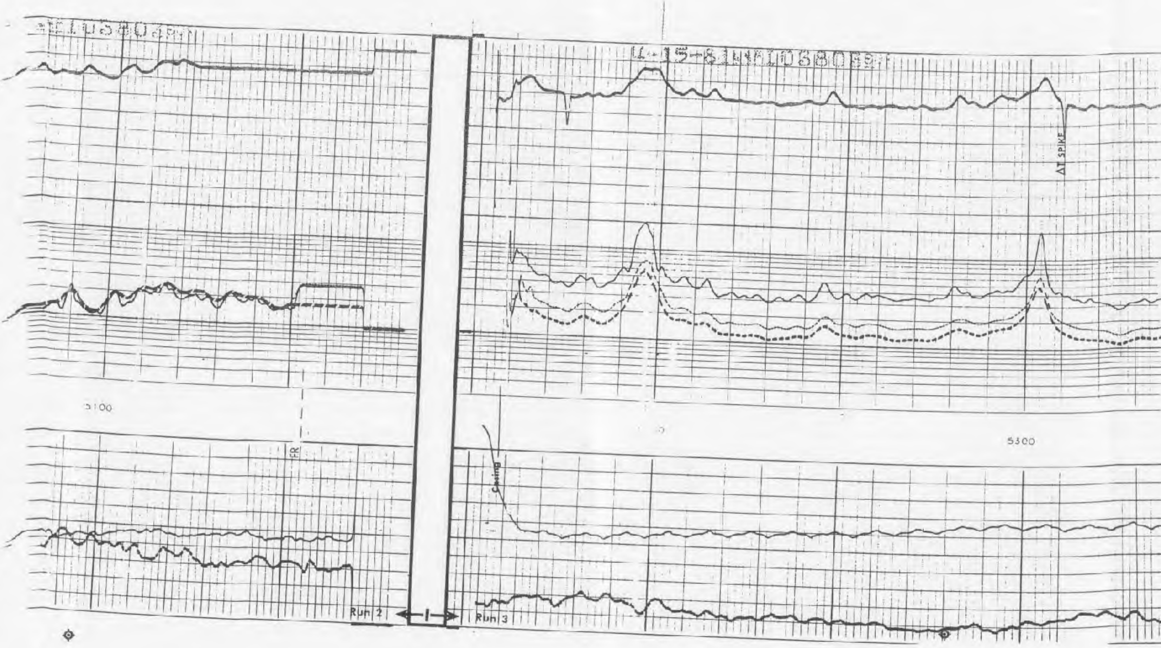


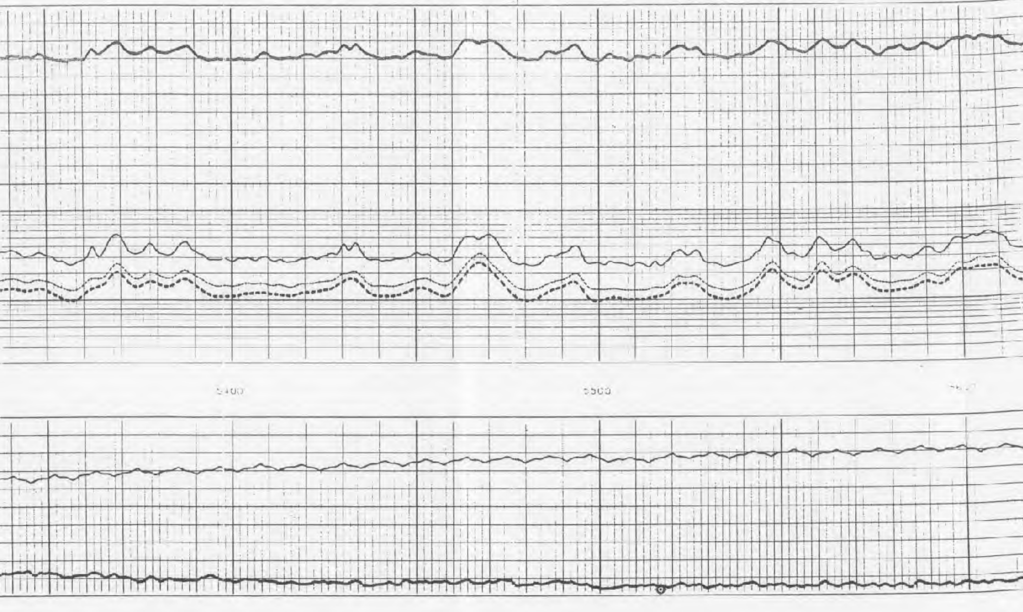


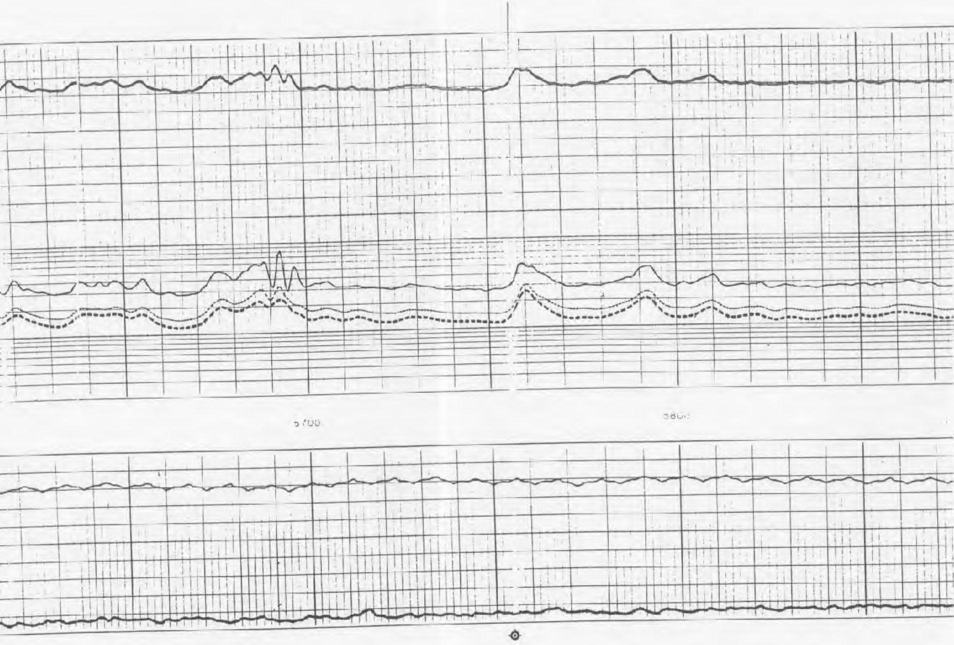


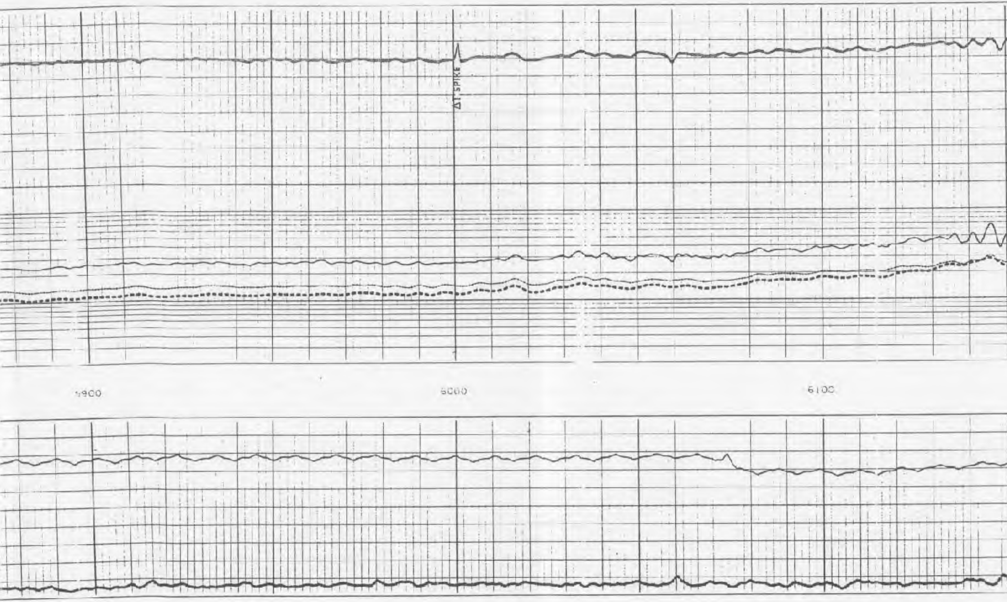


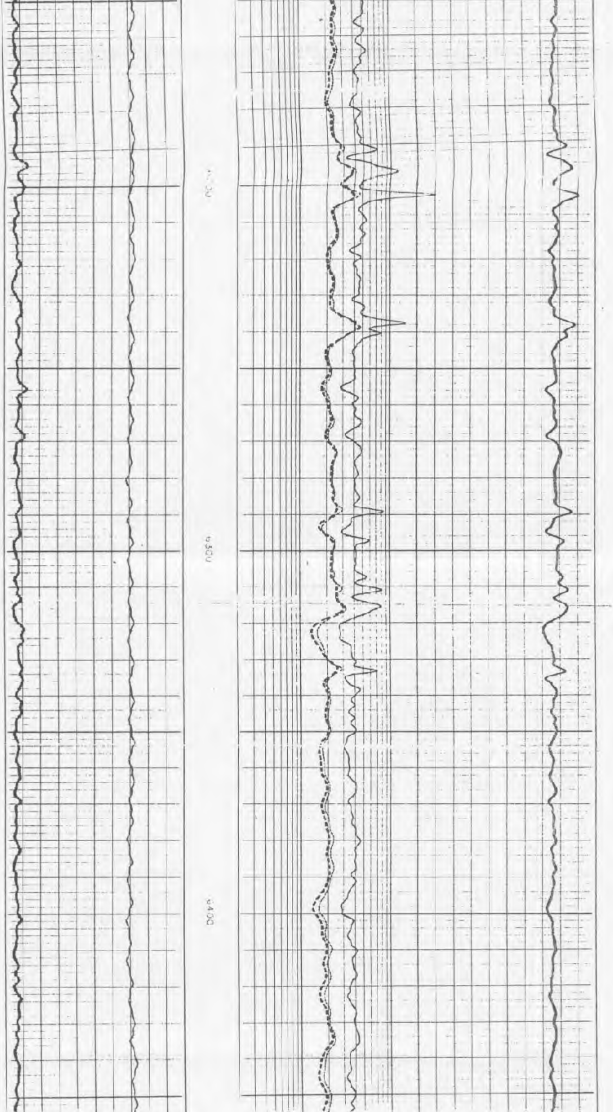


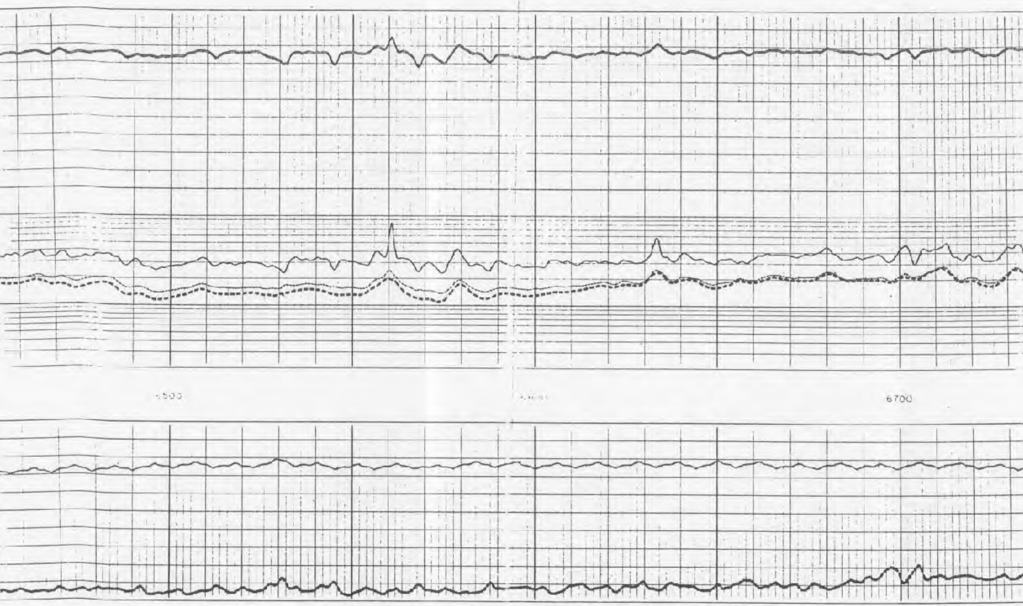


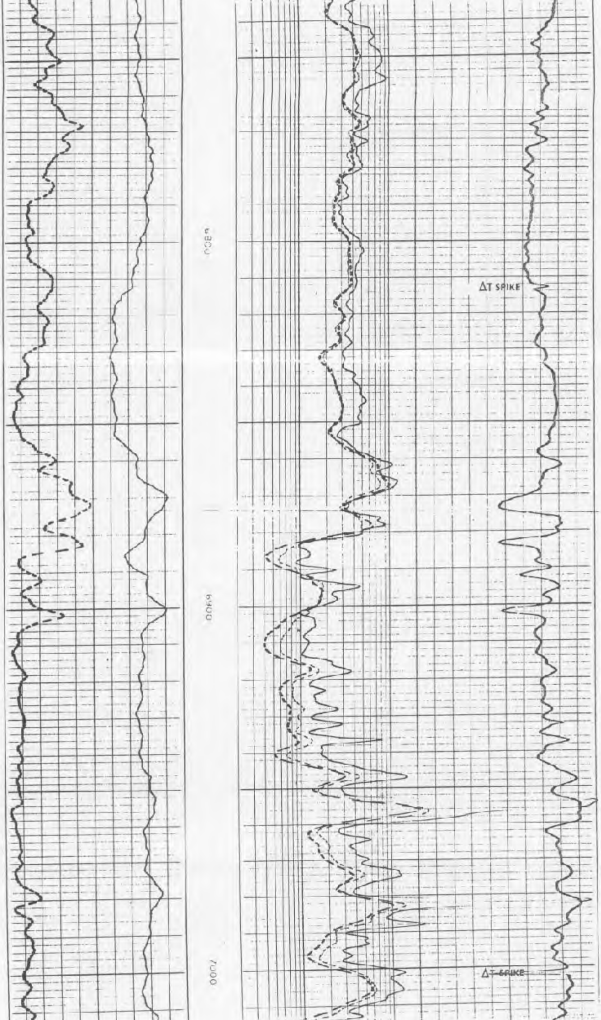


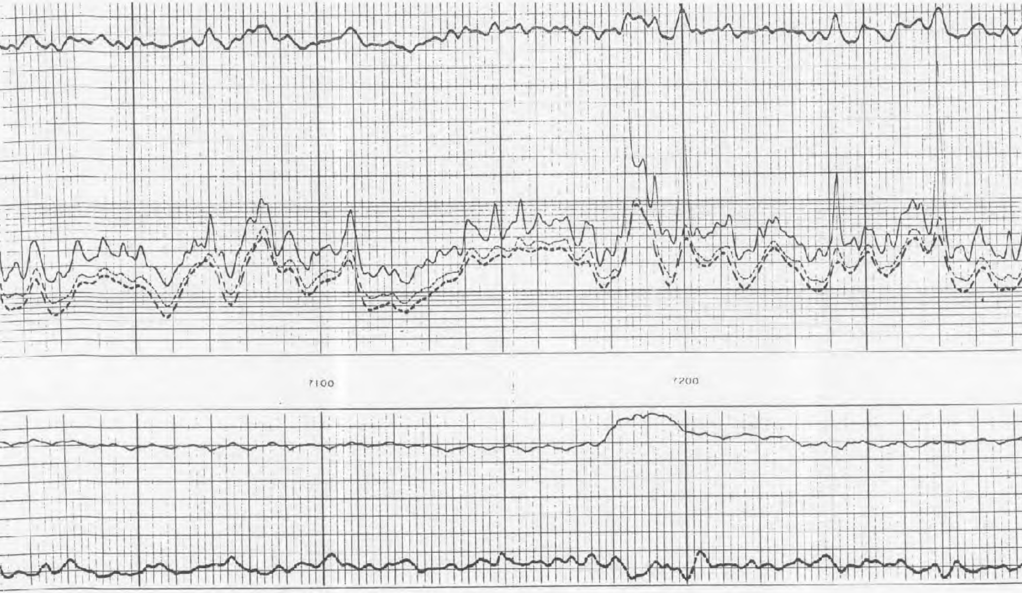


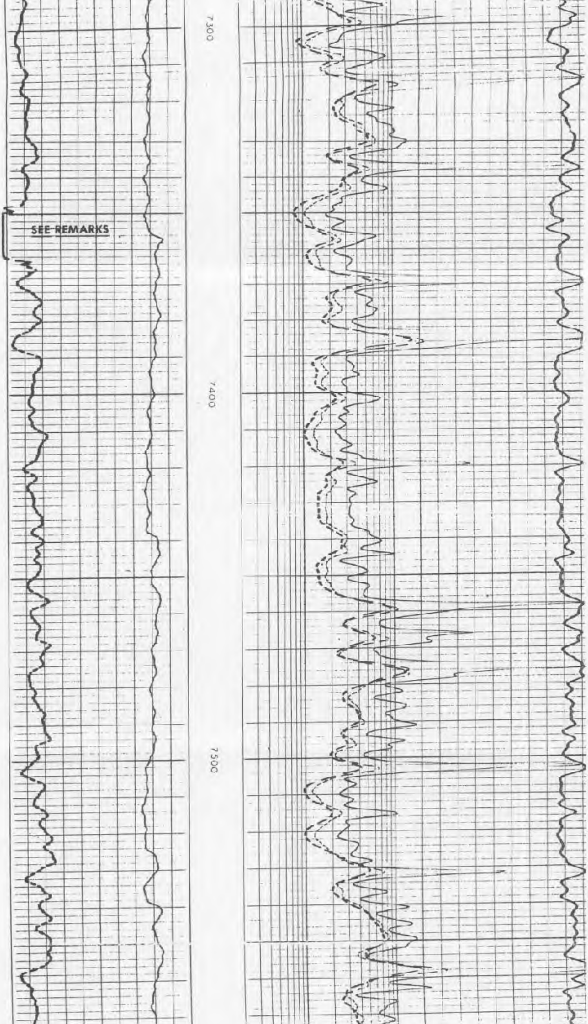


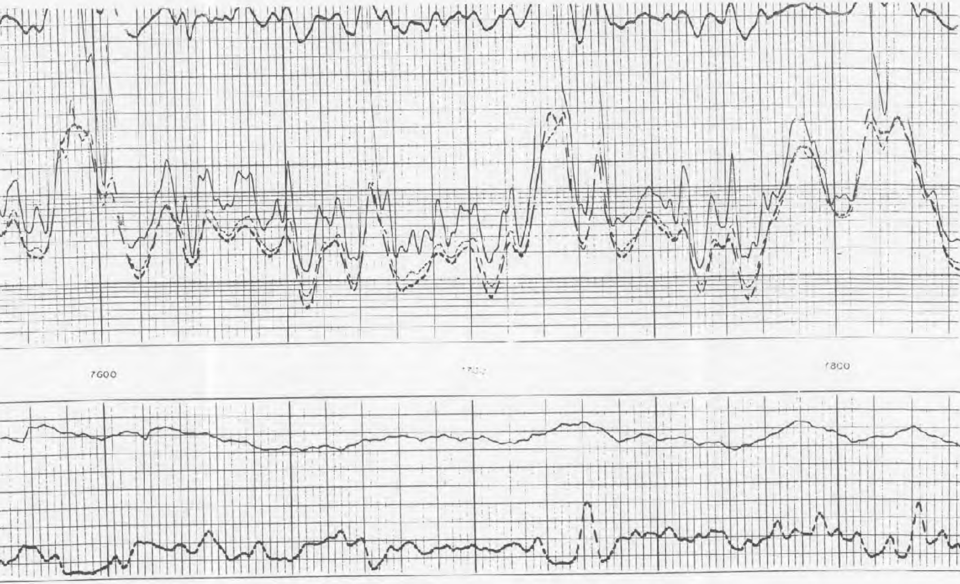


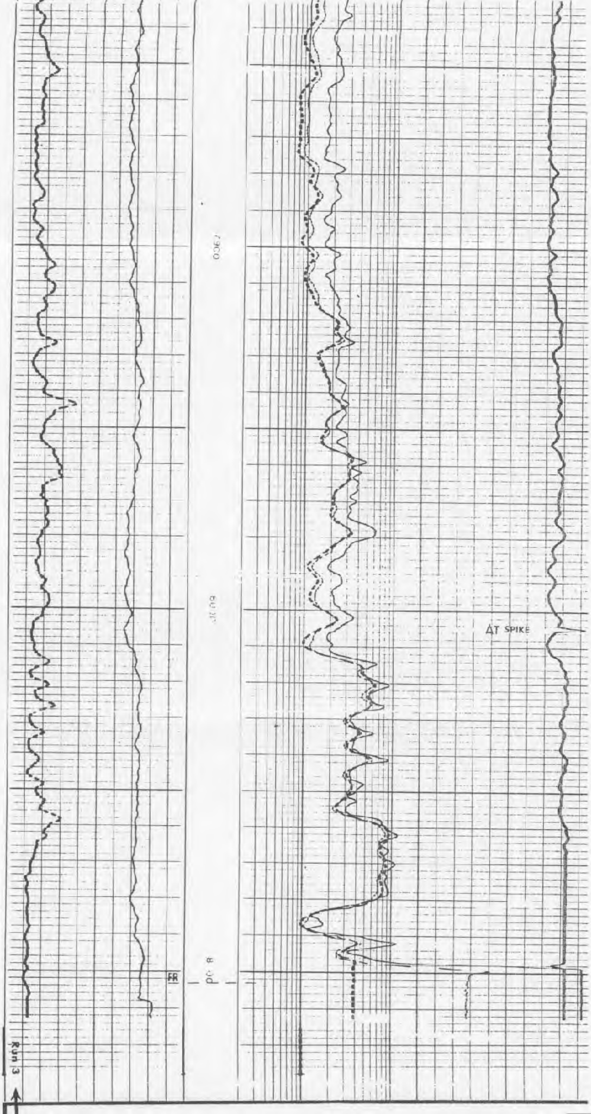




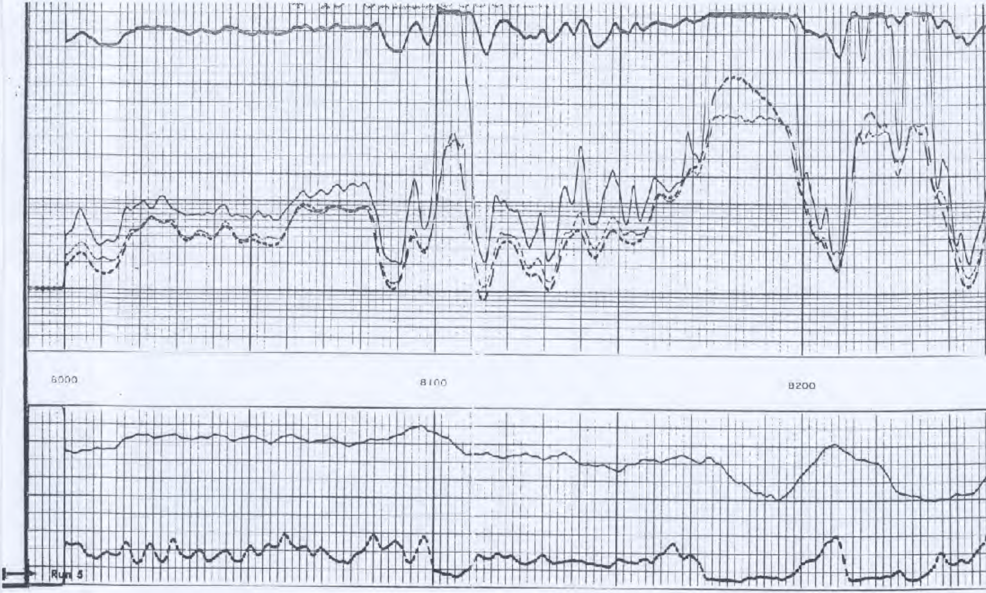


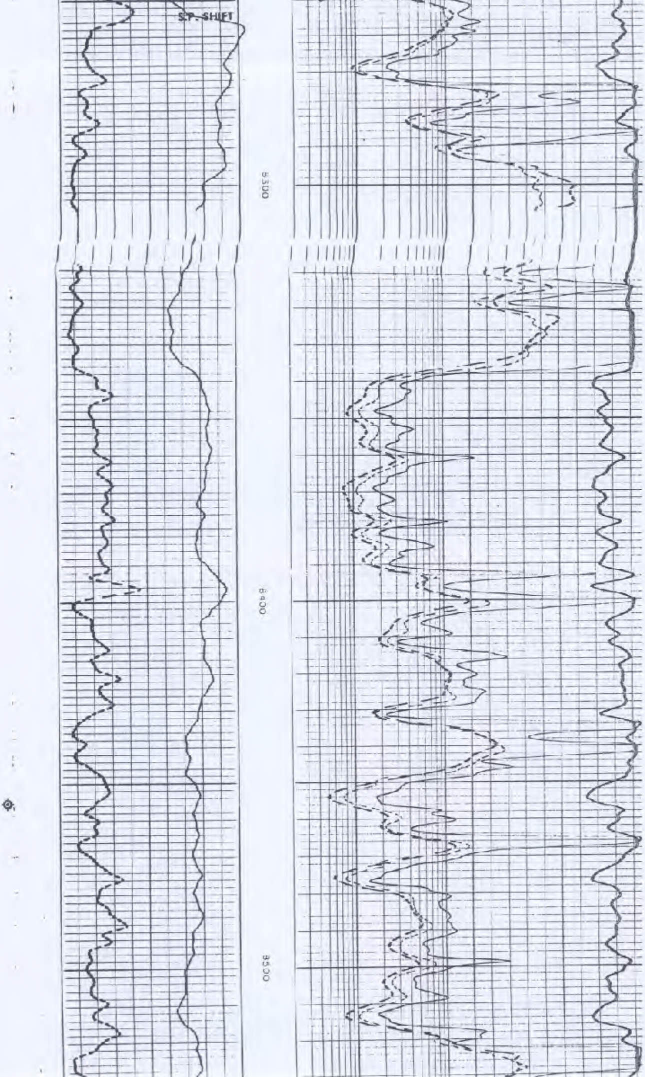


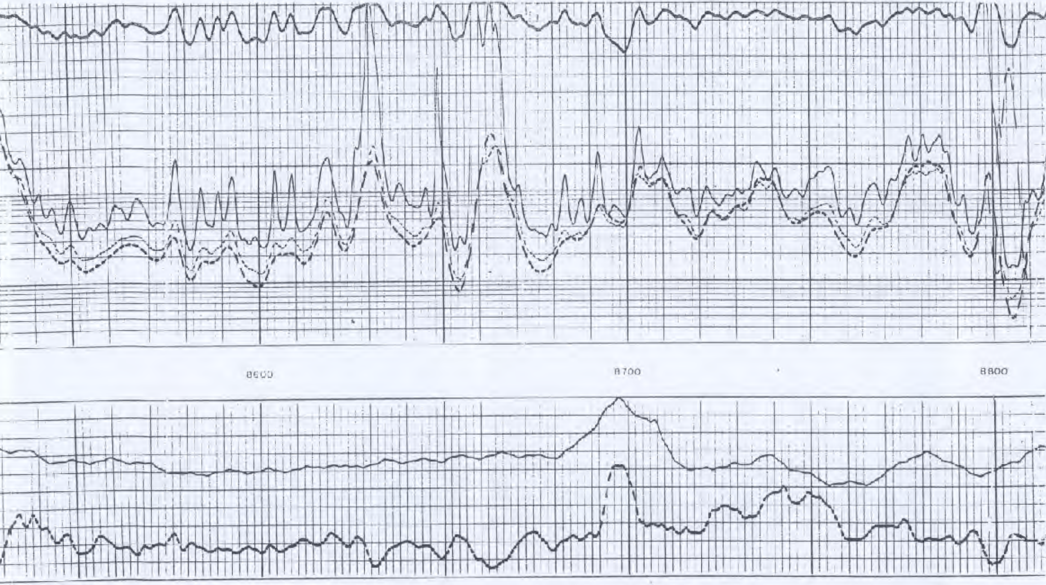


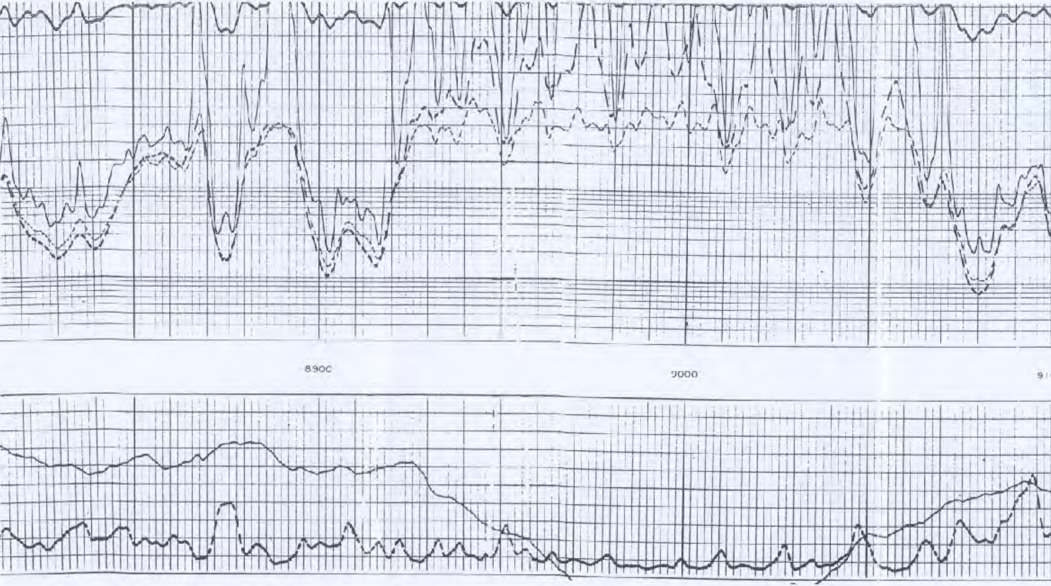


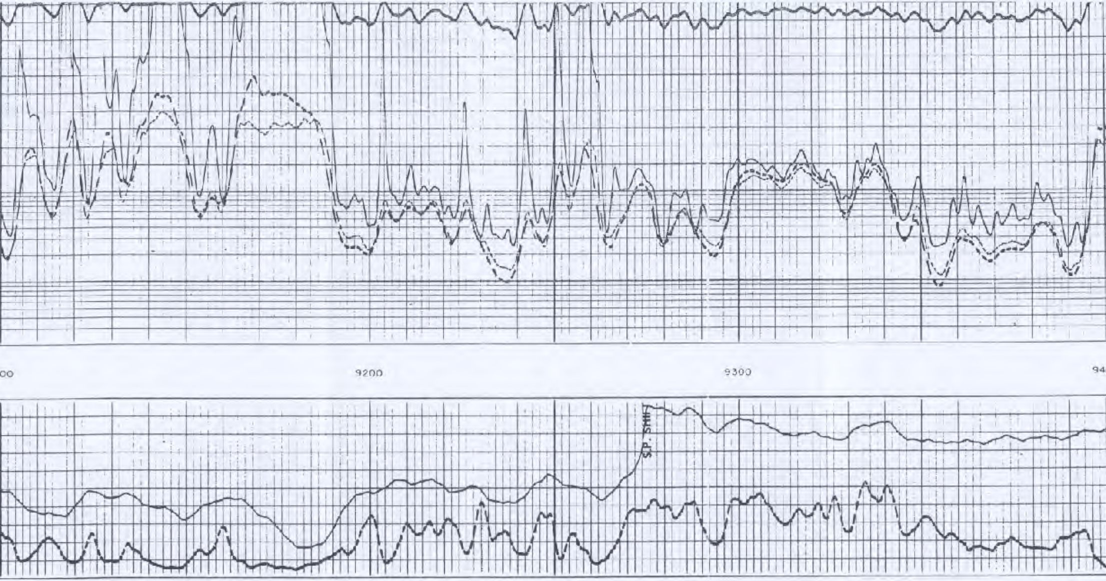
YOU CAN
Break
HERE

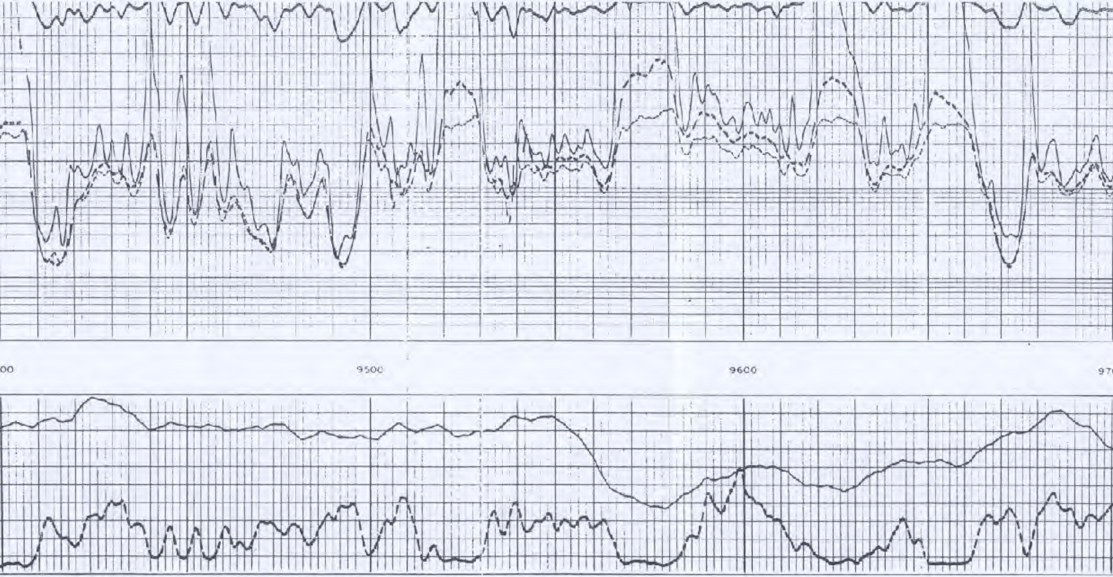


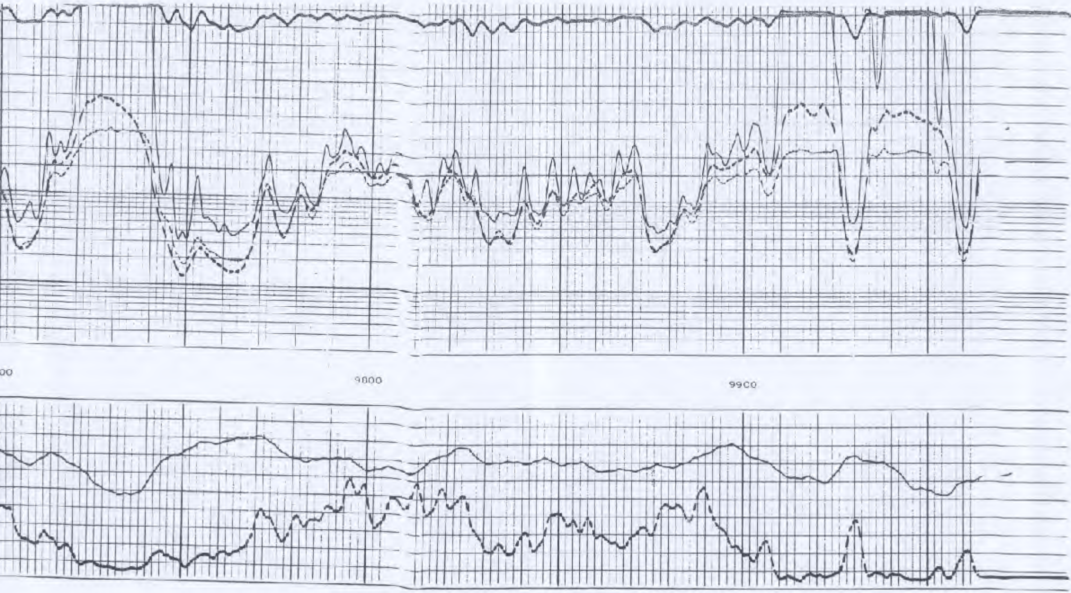


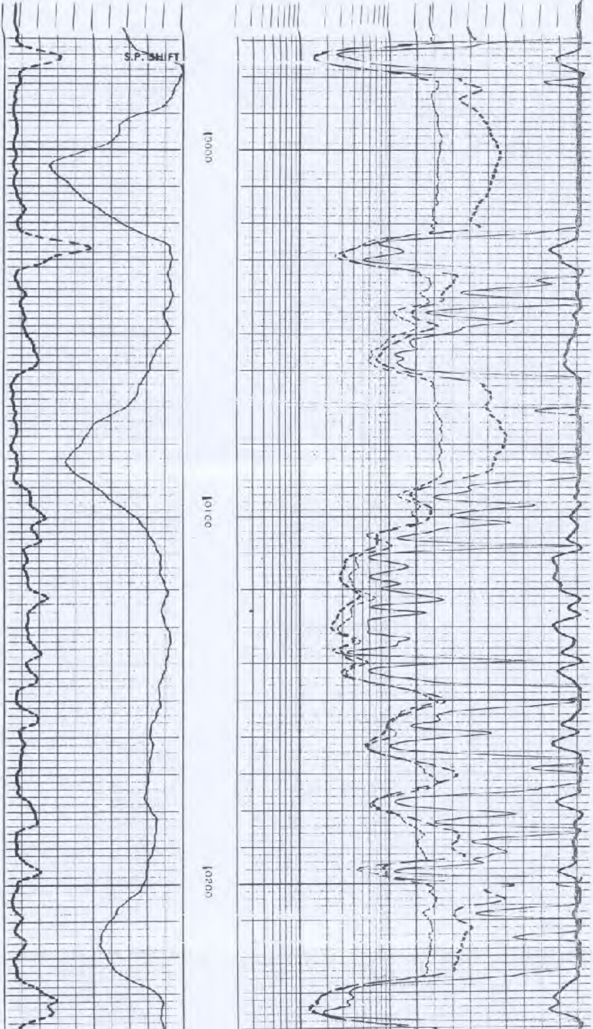


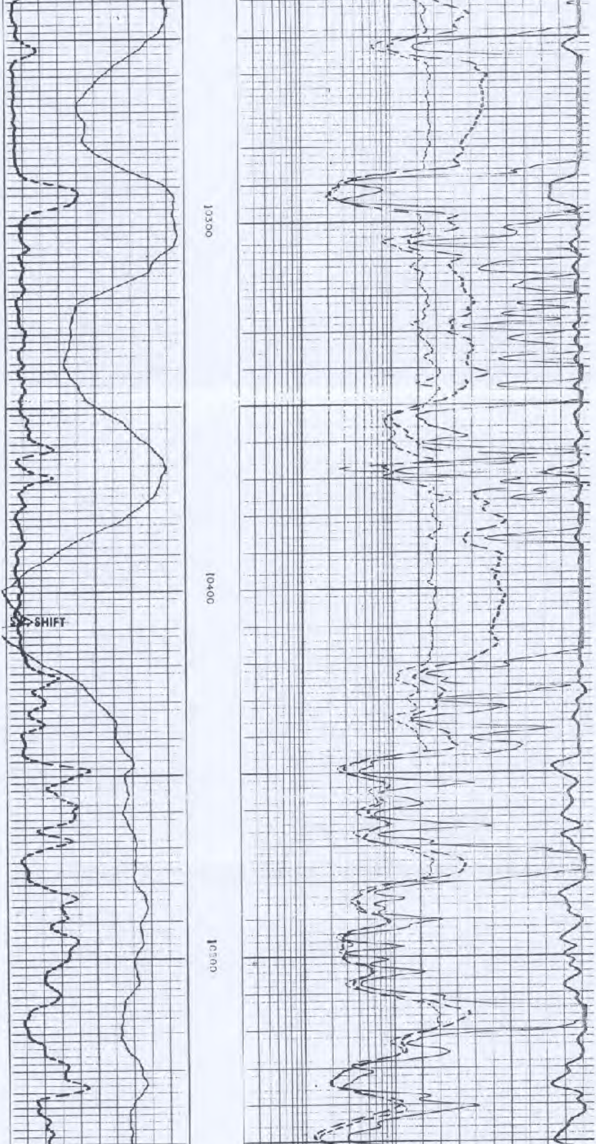


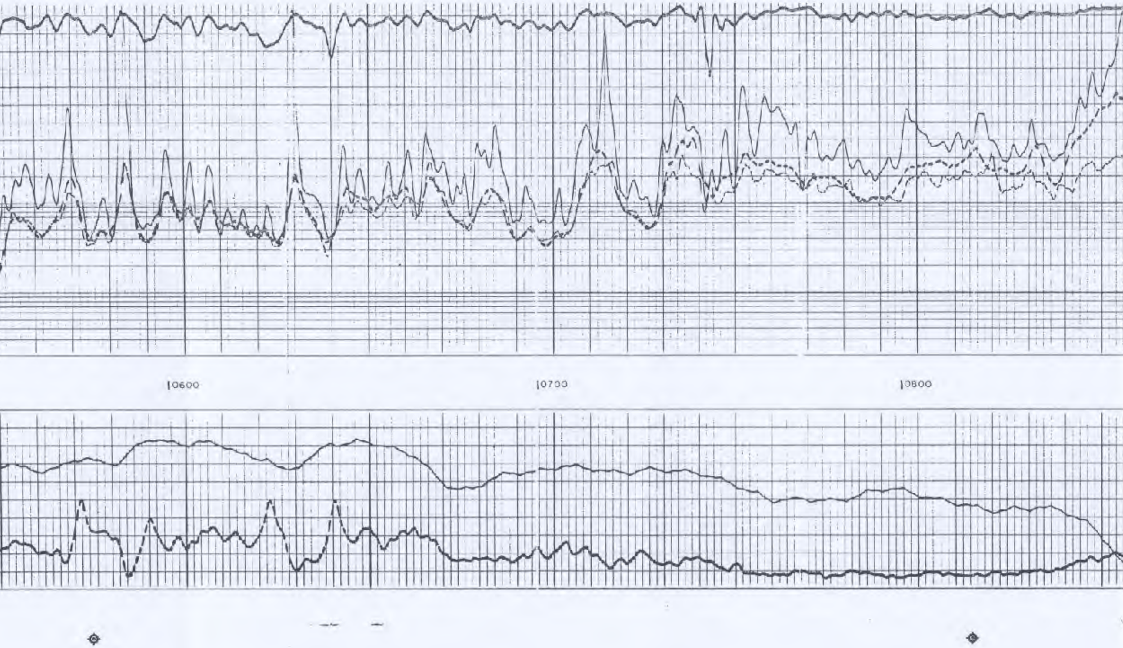


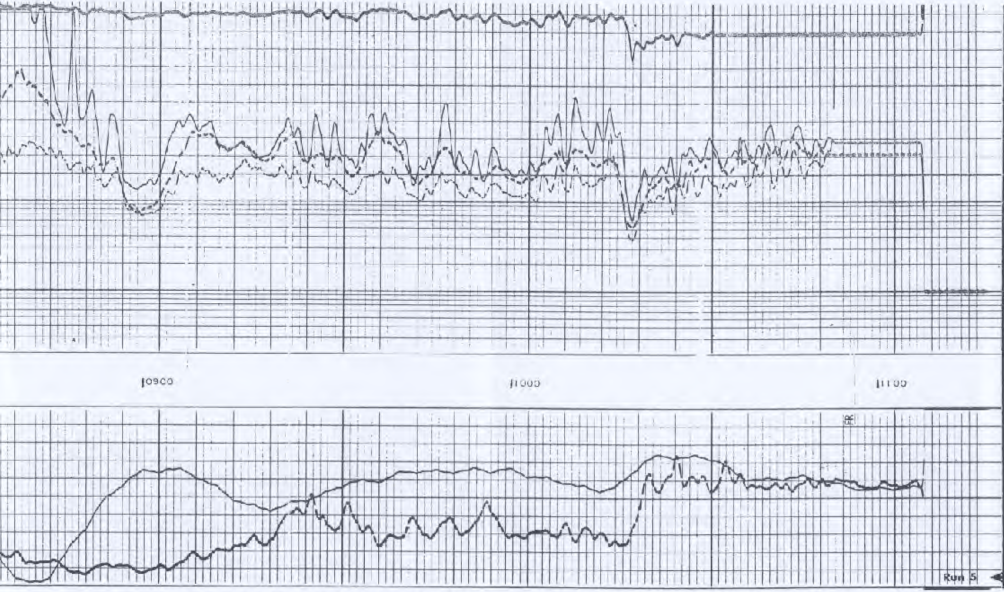


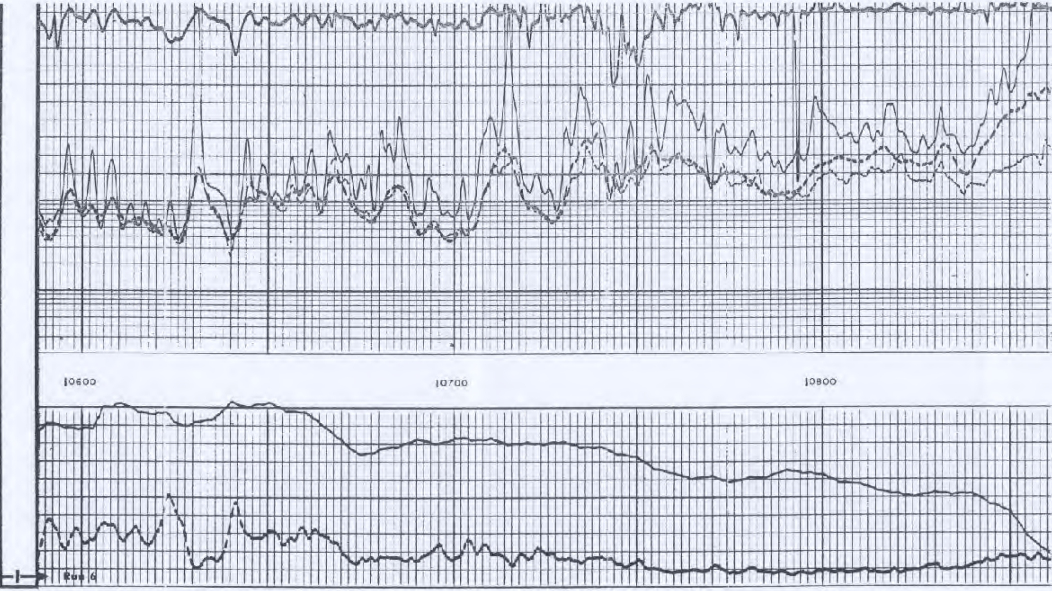


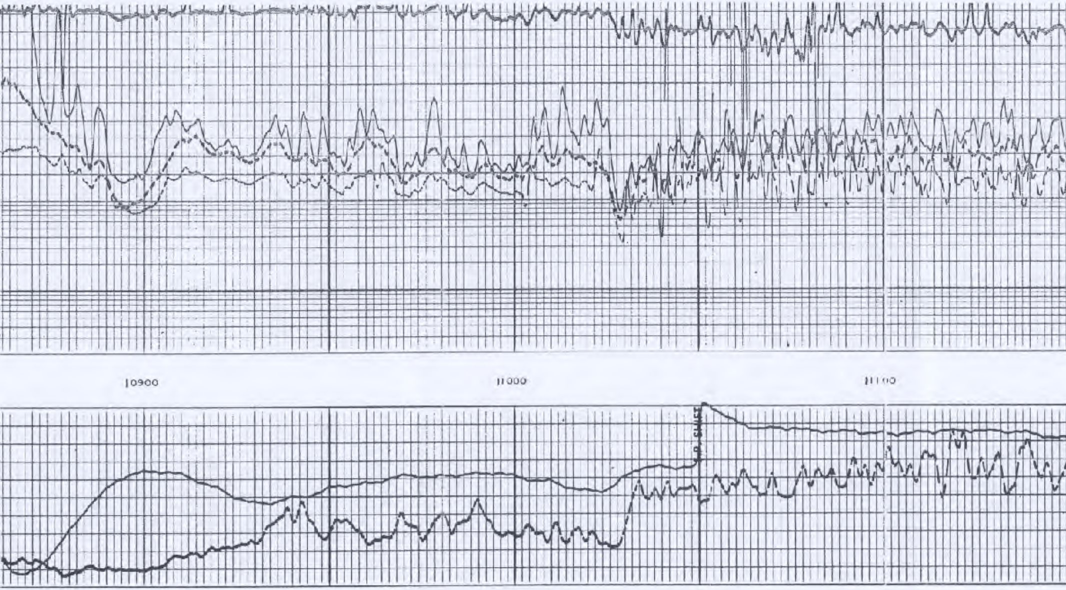


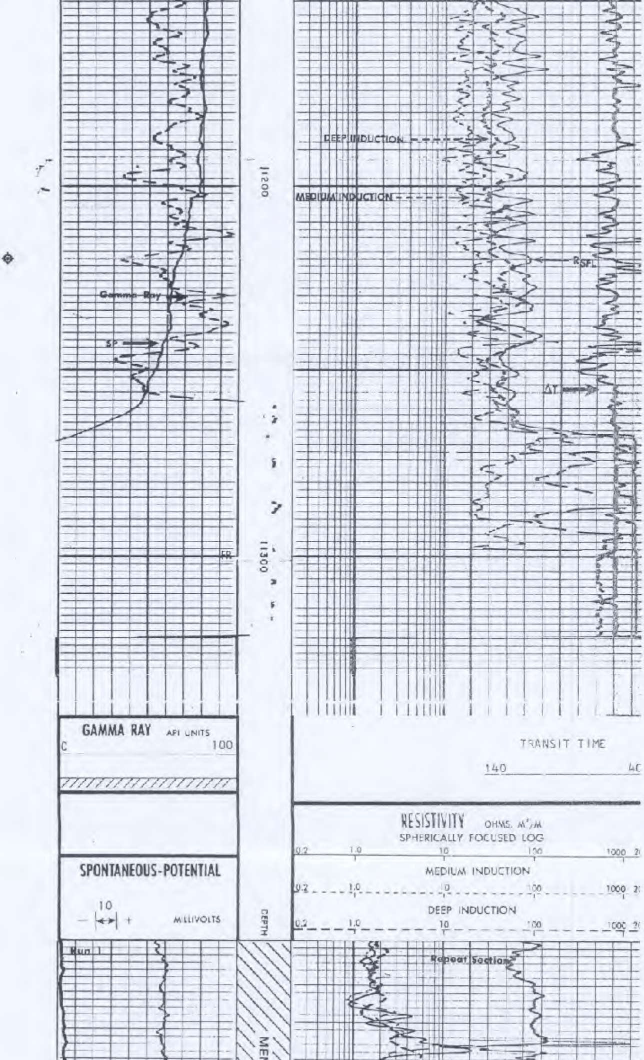


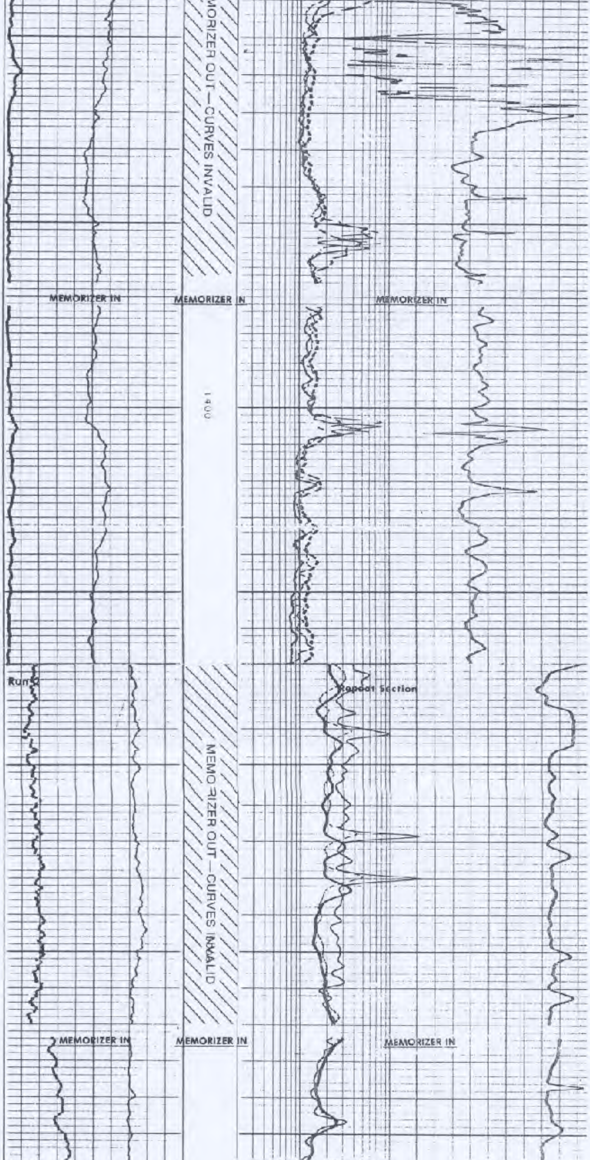


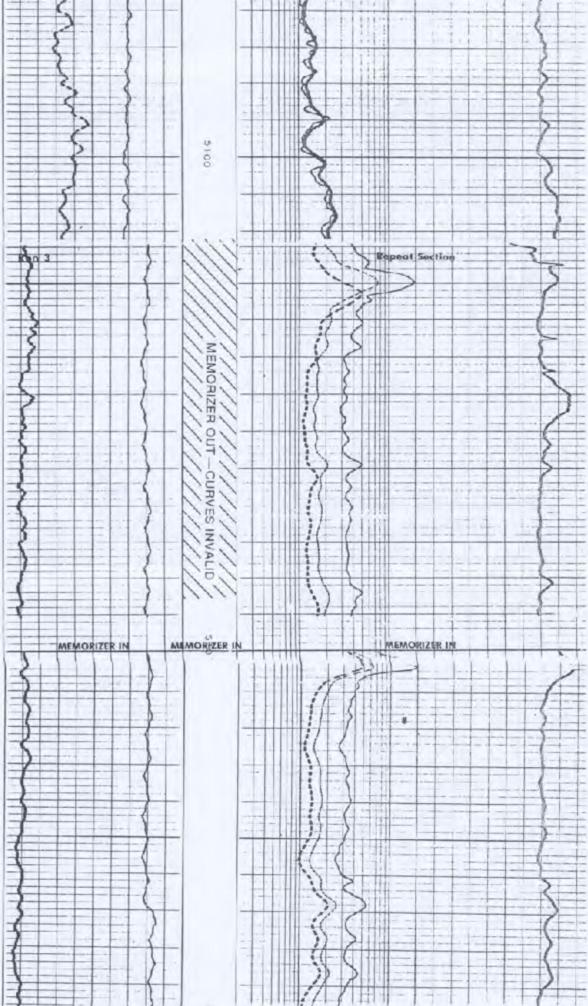


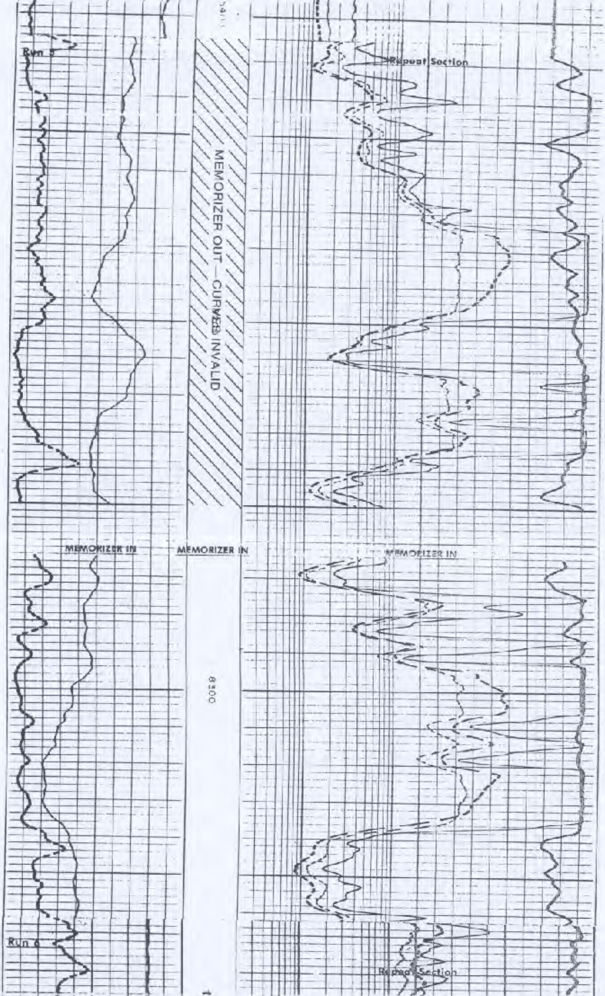


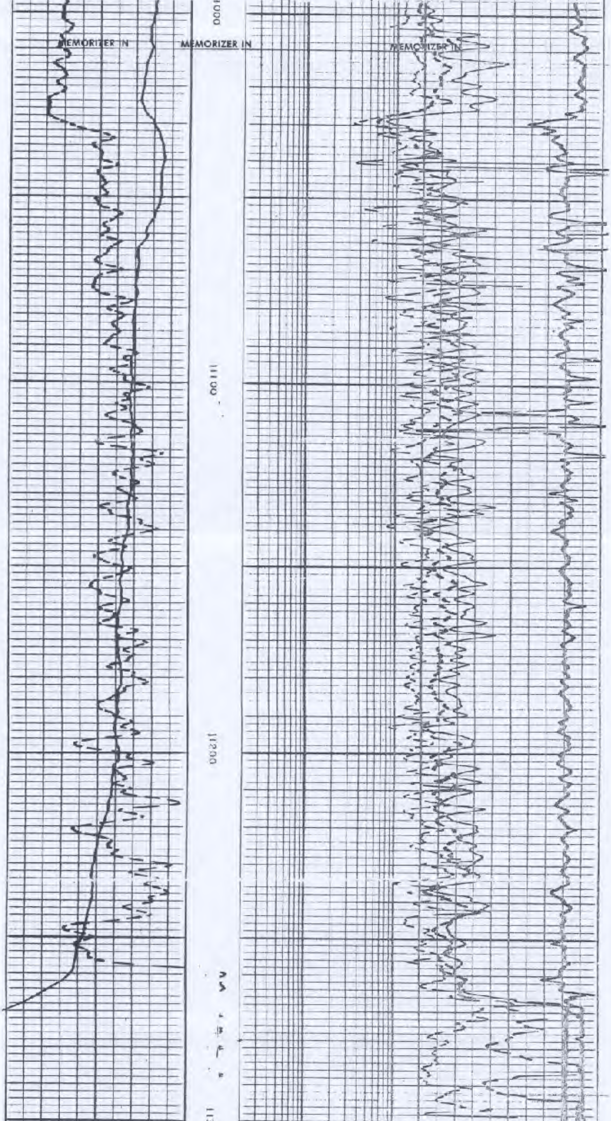


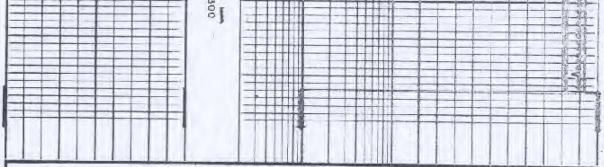




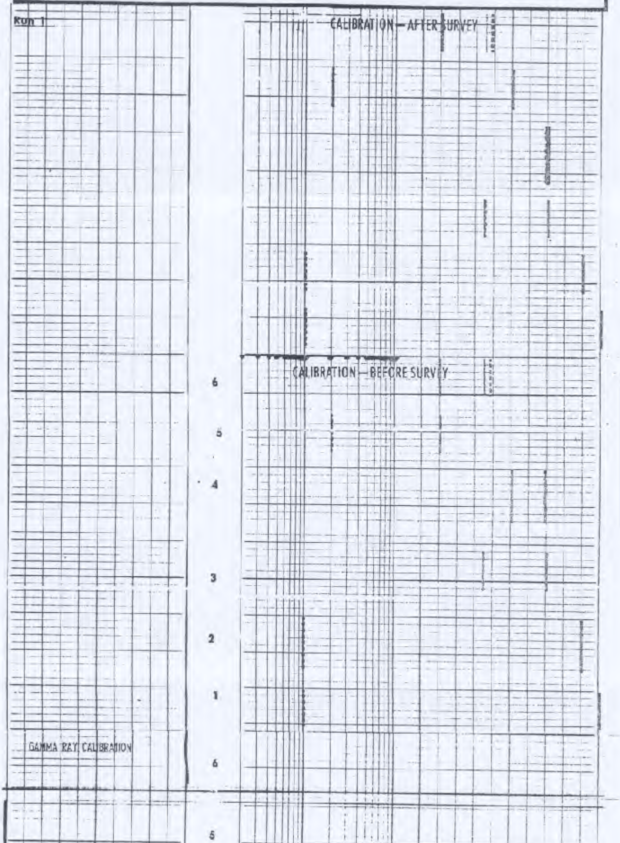


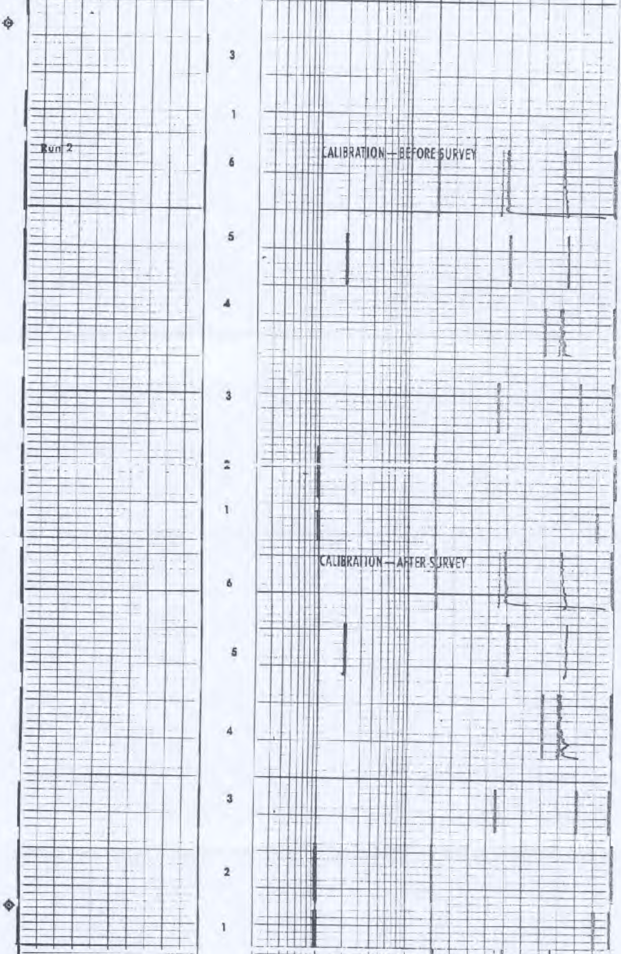


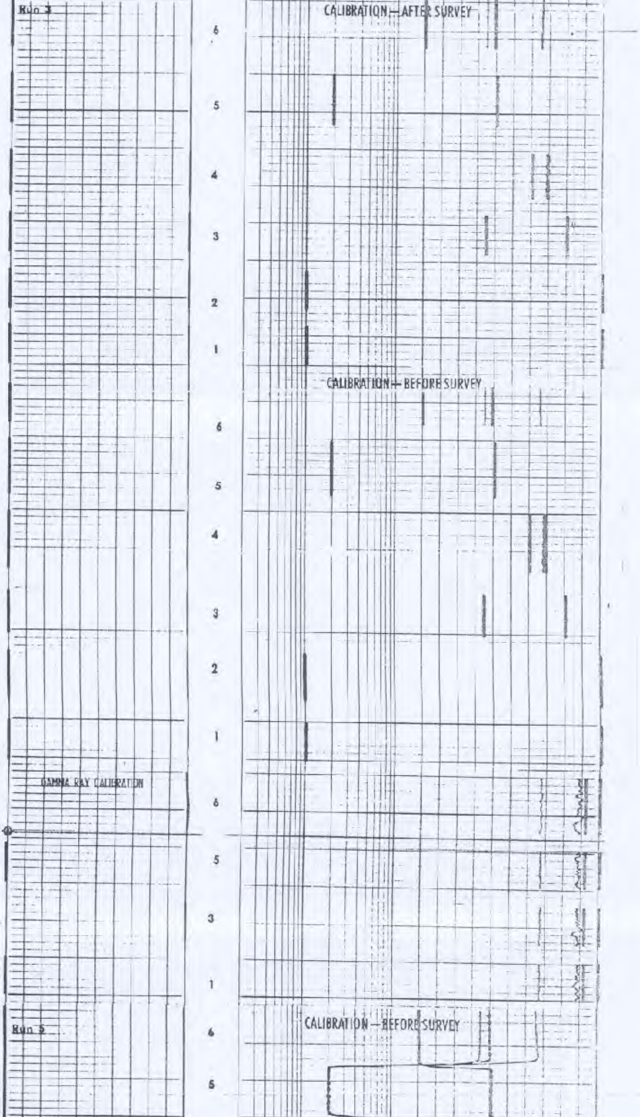


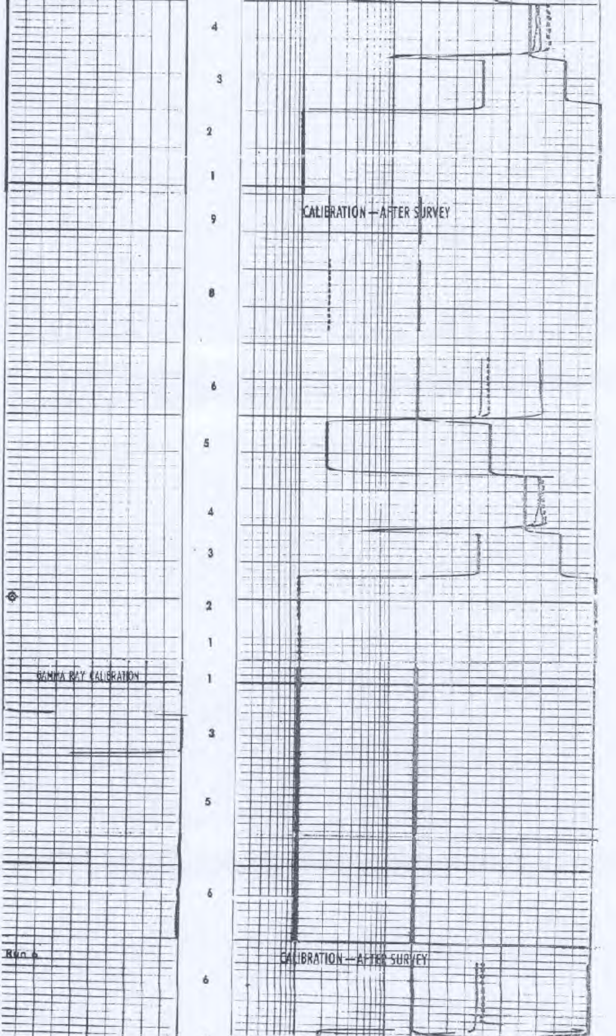


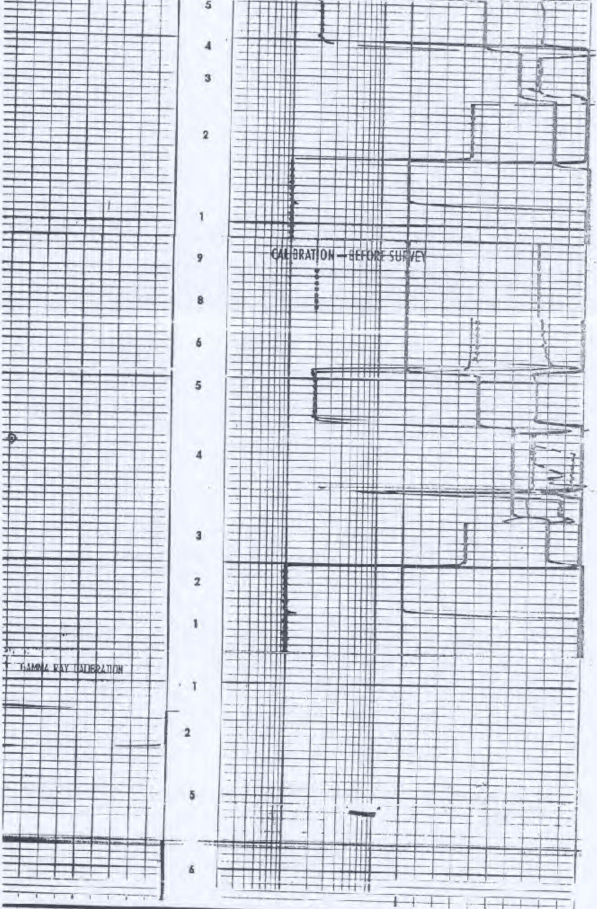
CALIBRATION RECORD









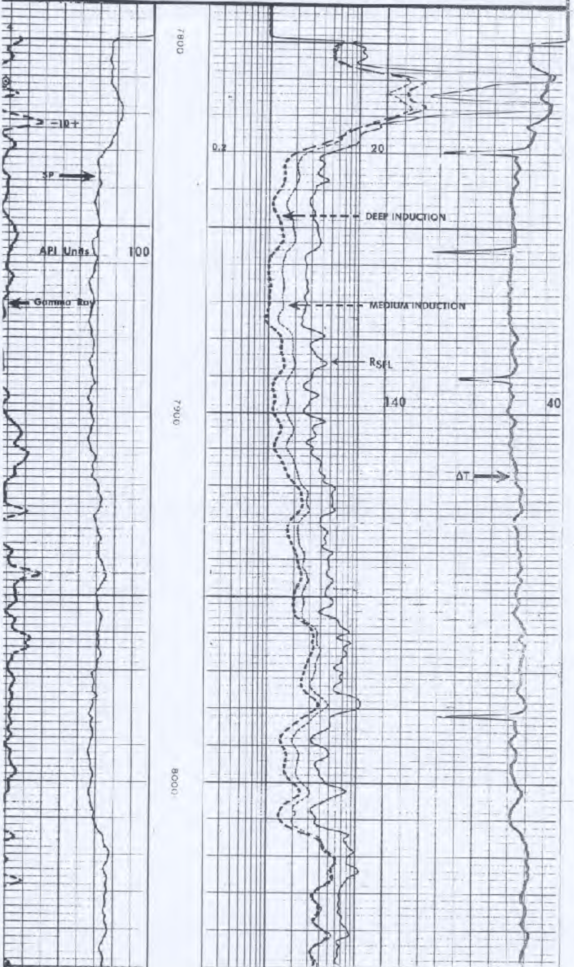


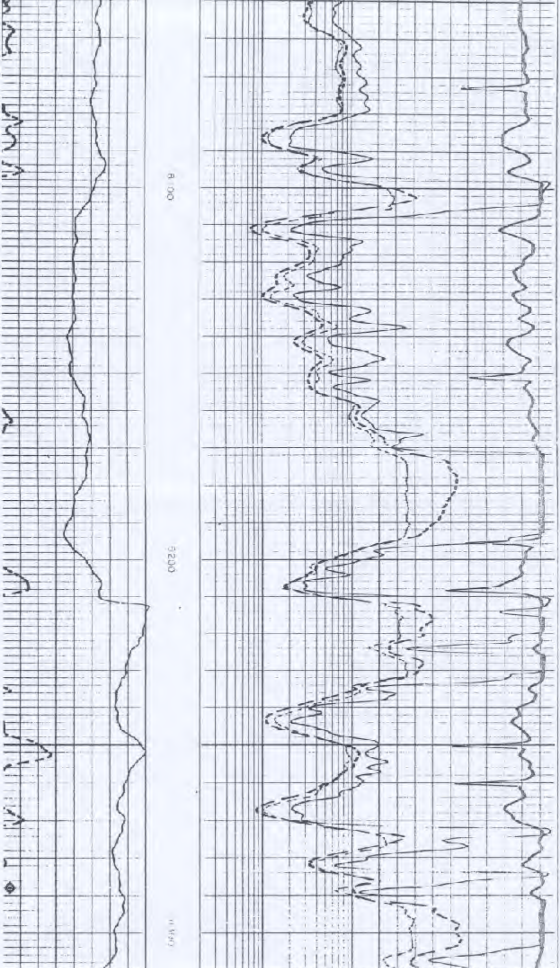
DUAL INDUCTION CALIBRATION FILM CODING

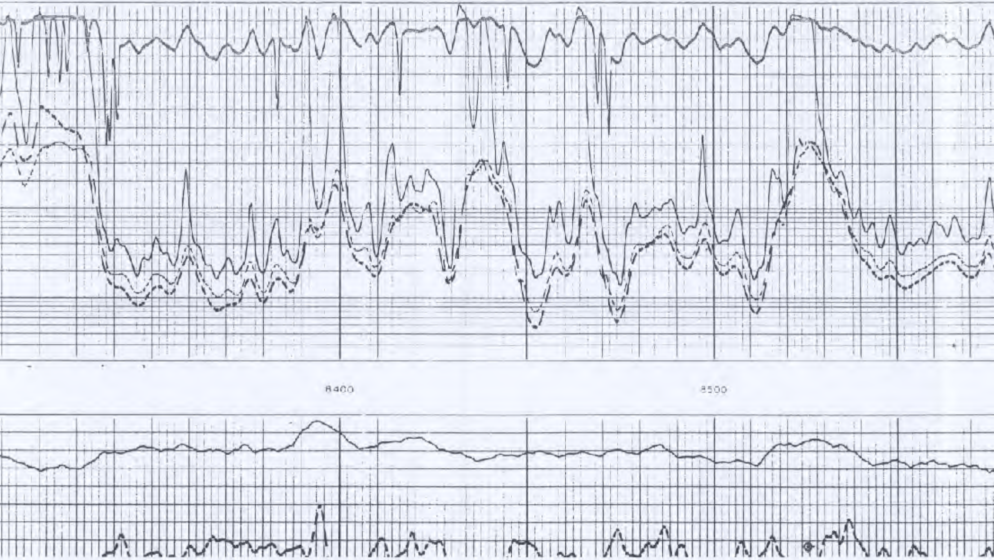
1. MECHANICAL ZERO
2. 1 OHM-M
3. 100 OHM-M
4. ELECTRICAL ZERO (500 OHM-M)
5. 2 OHM-M
6. SONDE ERRORS (±2 MMHO)
7. ZERO SIGNAL IN AIR
8. ILd TEST LOOP (2 OHM SIGNAL)
9. ILm TEST LOOP (2 OHM SIGNAL)
10. Rxo Rt UNITY
11. Rxo-Rt CALIBRATE

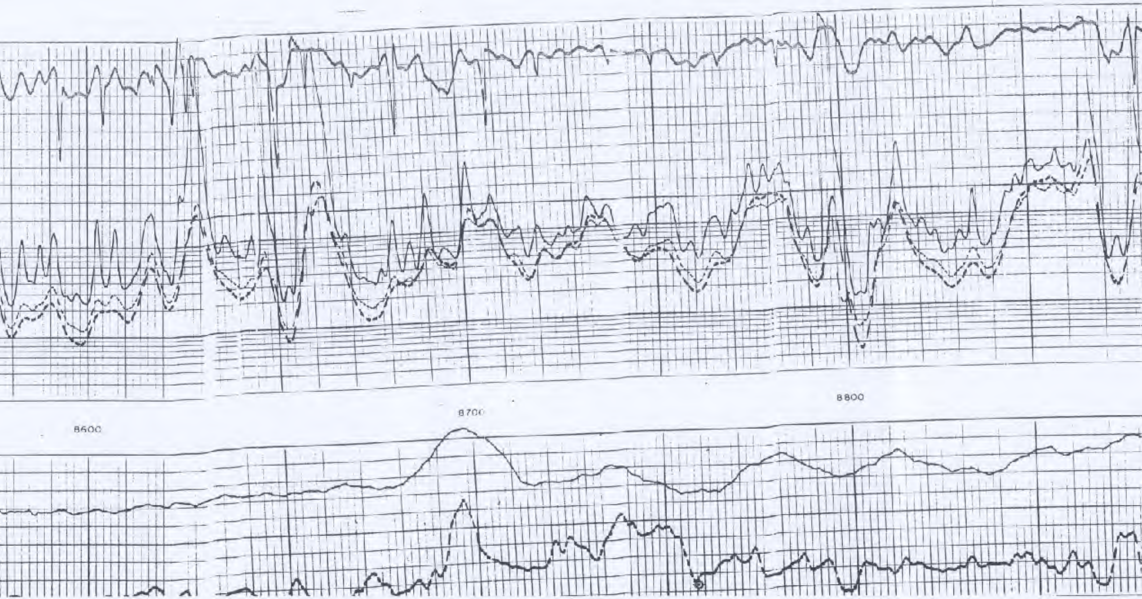
CALIBRATION RECORD

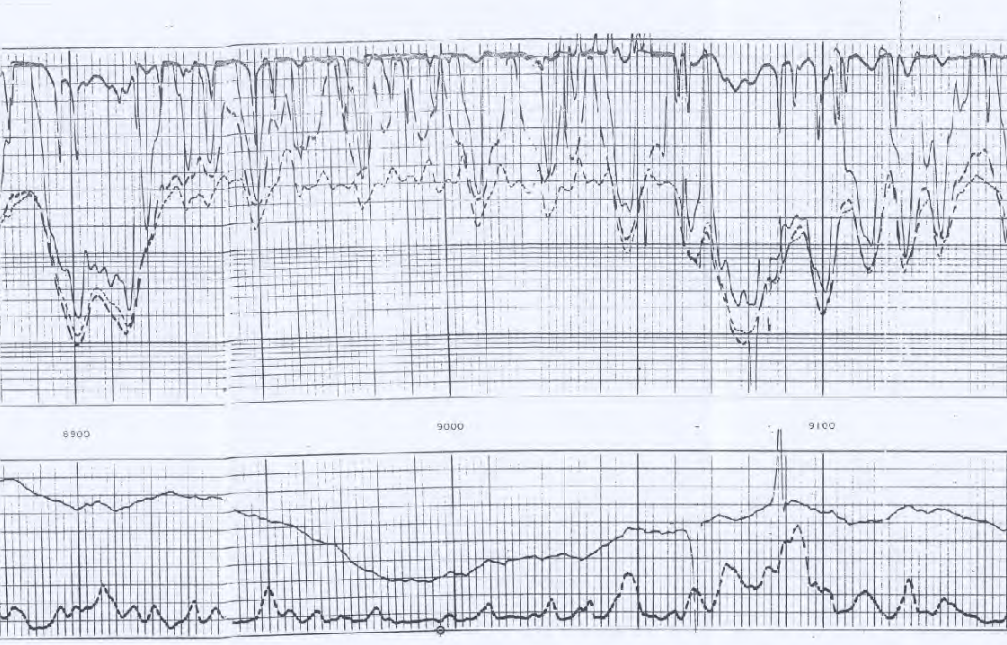
MPANY	TENNECO OIL COMPANY	SCHL. FR	1130
LL	OCS-G-3917 NO. 1	SCHL. TD	11304
		DRLR TD	11300
LD	BLOCK 672 CHARLOTTE HARBOR	Elev: KB	90
UNTY	OFFSHORE STATE FLORIDA	DF	89
			MWL

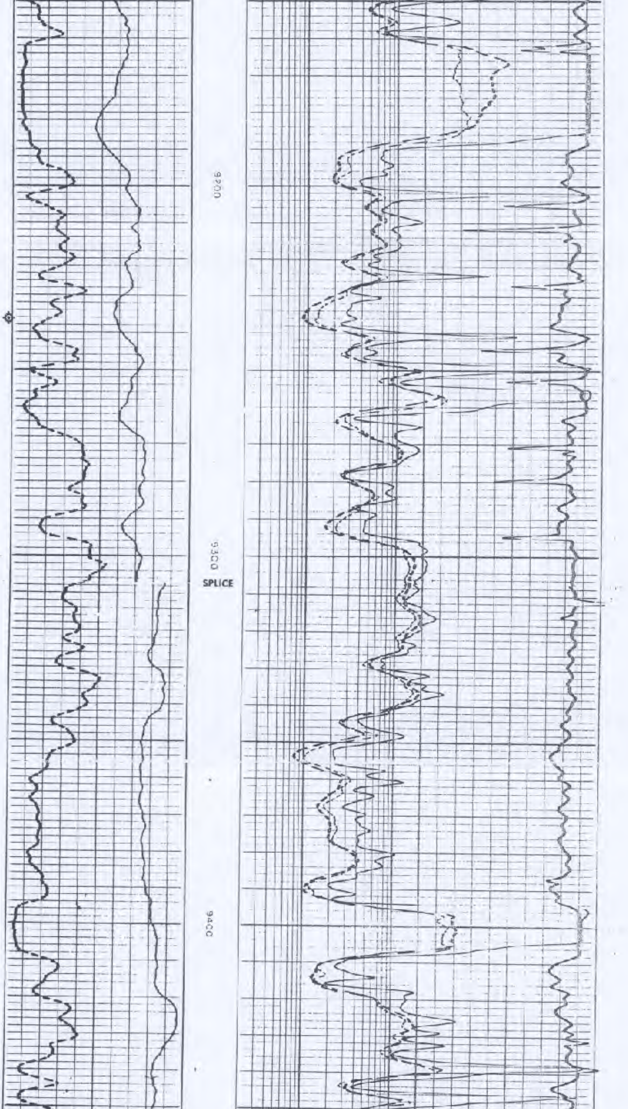


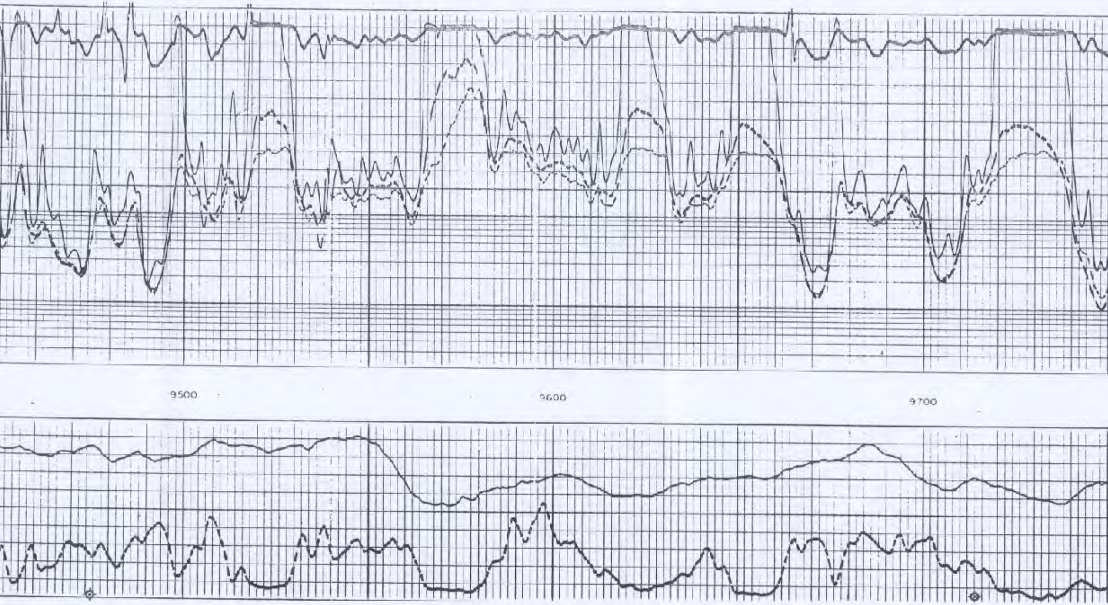


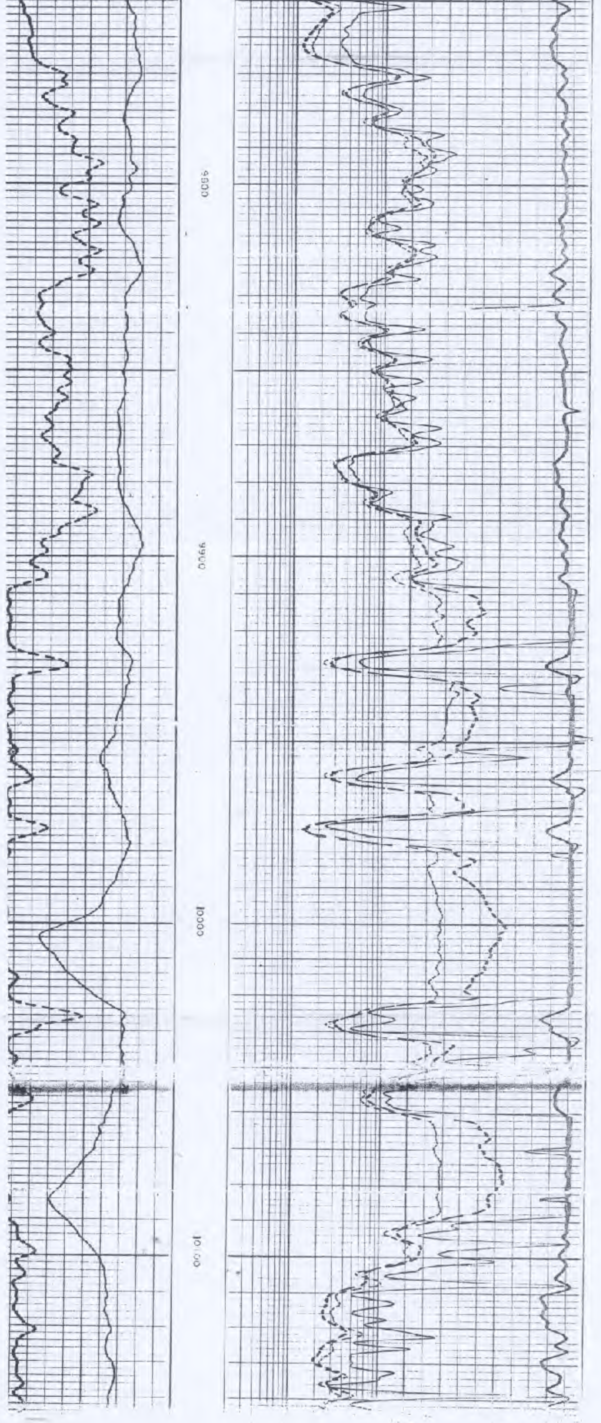












Schlumberger

COMPENSATED FORMATION DENSITY LOG

Gamma-Gamma

COUNTY OFFSHORE
FIELD BLOCK 672 CHARLOTTE
LOCATION HARBOR
WELL OCS-G-3917 NO. 1
COMPANY TENNECO OIL COMPANY

COMPANY TENNECO OIL COMPANY

WELL OCS-G-3917 NO. 1

FIELD BLOCK 672 CHARLOTTE HARBOR

COUNTY OFFSHORE STATE FLORIDA

LOCATION 500' FNL & 500' FEL
3PJ12

API SERIAL NO.	SEC.	TWP	RANGE
NA	NA	NA	NA

Other Services:
DIL-SFL-S-GR,
CNL-FDC-GR,
HRD,ML-PROX,

Permanent Datum: MWL ; Elev.: 0
Log Measured From RKB 90 Ft. Above Perm. Datum
Drilling Measured From SAME

Elev.: K.B. 90
D.F. 89
MWL

Date	1-15-81	1-17-81	1-31-81	2-16-81
Run No.	ONE	TWO	THREE	FOUR
Depth—Driller	5000	5155	8106	10546
Depth—Logger	5003	5157	8106	10553
Btm. Log Interval	5001	5155	8105	10552
Top Log Interval	1188	4752	5158	8105
Casing—Driller	16 @1195	16 @ 1195	10 3/4@ 5154	10 3/4@5154
Casing—Logger	1188	1183	5158	5158
Bit Size	14 3/4	14 3/4	9 7/8	9 7/8
Type Fluid in Hole	SEAWATER	SEAWATER-GEL	SEAWATER	SEAWATER-*
Dens. | Visc.	8.8 | 60	8.8 | 60	9 | 38	9.2 | 42
pH | Fluid Loss	- | - ml	- | - ml	11 | 10 ml	11 | 8.8 ml
Source of Sample	FLOWLINE	FLOWLINE	PIT	FLOWLINE
Rm @ Meas. Temp.	- @ - °F	.186 @ 82 °F	.208 @75 °F	.254 @ 75 °F
Rmf @ Meas. Temp.	- @ - °F	- @ - °F	.185 @75 °F	.208 @ 75 °F
Rmc @ Meas. Temp.	- @ - °F	- @ - °F	.508 @75 °F	.321 @ 75 °F
Source: Rmf | Rmc	- | -	- | -	M | M	M | M
Rm @ BHT	.146@104°F	.148@ 103°F	.106 @146°F	.109@ 175°F
TIME Circulation Stopped	1730	2200 1-16	1300	1400
TIME Logger on Bottom	130	400 1-17	2200	300
Max. Rec. Temp.	104 °F	103 °F	146 °F	183 °F
Equip. | Location	4539 | PMOS	4539 | PMOS	4539 | PMOS	4539 | PMOS
Recorded By	BRYAN-KENYON	BRYAN	BRYAN-KENYON	BRYAN
Witnessed By	MESSRS:MINK	MINK	WALLES	FULLER-**

Run No.				
Depth—Driller				
Depth—Logger (Schl.)				
Btm. Log Interval				
Top Logged Interval				
Casing—Driller	@	@	@	@
Casing—Logger				
Bit Size				
Type Fluid in Hole				
Dens. | Visc.	|	|	|	|
pH | Fluid Loss	| ml	| ml	| ml	| ml
Source of Sample				
Rm @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	|	|	|	|
Rm @ BHT	@	@ °F	@ °F	@ °F
TIME Circulation Stopped				
TIME Logger on Bottom				
Max. Rec. Temp.		°F	°F	°F
Equip. | Location	|	|	|	|
Recorded By				
Witnessed By Mr.				

Permanent Datum: MWL ; Elev.: 0
Log Measured From RKB 90 Ft. Above Perm. Datum
Drilling Measured From SAME

Elev.: K.B. 90
D.F. 89
MWL

Date	2-21-81	2-25-81		
Run No.	FIVE	SIX		
Depth—Driller	11081	11300		
Depth—Logger (Schl.)	11092	11304		
Btm. Log Interval	11091	11303		
Top Log Interval	10280	10800		
Casing—Driller	10 3/4@5154	10 3/4@5154	@	@
Casing—Logger	5158	5158		
Bit Size	9 7/8	9 7/8		
Type Fluid in Hole	SEAWATER-GEL	SEAWATER-GEL		
Dens. | Visc.	9.2 | 39	9.1 | 43	|	|
pH | Fluid Loss	11.4 | 11 ml	10.5 | 9 ml	| ml	| ml
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	.264@ 76 °F	.28 @ 75 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.231@ 76 °F	.22 @ 75 °F	@ °F	@ °F
Rmc @ Meas. Temp.	.287@ 76 °F	.349 @ 75 °F	@ °F	@
Source: Rmf | Rmc	M | M	M | M	|	|
Rm @ BHT	.104@ 192°F	.105 @ 200F	@	@ °F
TIME Circulation Stopped	2400	1200		
TIME Logger on Bottom	2030	2300		
Max. Rec. Temp.	192 °F	200 °F	°F	°F
Equip. | Location	4539 | PMOS	4539 | PMOS	|	|
Recorded By	BRYAN	BRYAN		
Witnessed By	MESSRS: STRIDER-TRICHEL-MINK	WALLES-STRIDER-TRICHEL		

FOLD HERE JJ/JJ

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

RUN		ONE	TWO	THREE	FOUR
Service Order No.		T03803	103697	103809	103698
Fluid Level		FULL	LOW	FULL	FULL
Salinity, PPM CL.		-	-	19600	13200
Speed - F.P.M.		30	30	30	30
EQUIPMENT DATA					
Dens. Panel		EJ-1377	1377	BJ-1377	1360
Dens. Cart.		G-249	249	G-249	299
Dens. Skid.		E-249	249	E-249	249
Dens. Sonde		ED-440	440	ED-440	440
Dens. Source		J-5197	5197	J-5197	5197
Dens. Calibrator		C-1858	1858	C-1858	GCBC
GR Cart.		RA-1455	1455	RA-1455	1455
Memorizer Panel		CB-314	314	CB-314	314
Tape Recorder (TTR)		1976	1976	1976	1976
Depth Encoder (DRE)		C-2837	3856	C-2827	2827
Pressure Wheel (CPW)		H-3856	2827	3856	3856
CALIBRATION DATA					
GR	BKG. CPS	12	15	54	50
	Source CPS	382	390	480	480
	Sens. - Cal	-	200	CAL	200
	T. C. - Cal	CAL	6	CAL	6
FDC	P¹ — Before Log	480	122X4	122	122
	P² — Before Log	768	193X4	193	193
	P¹ — After Log	488	122X4	122	122
	P² — After Log	772	193X4	193	193
LOGGING DATA					
Grain Density		2.65	2.65	2.71	2.71
Liquid Density		1.0	1.0	1.0	1.0
Hole Fluid		LIQ	LIQ	LIQ	LIQ
Porosity Scale		NA	30	30PU/DIV	30PU/TR.
G.R. T.C. Logged		2	2	2	2
G.R. Sens. Logged		-	100	100	100
Zero Div. Left		0	0	0	0
Scale Per 100 Div.		100	100	100	100

SCALE CHANGE

Type Log	Depth	Up Hole	Down Hole
BULK DENSITY	2747	1.5-2.5	2.0-3.0
CAL	5158	8-18	6-16
GR	10800	0-100	0-150

REMARKS:

RUN 1)BULK DENSITY SCALE CHANGE AT 2747' DUE TO LOW DENSITY VALUES (BOREHOLE GREATER THAN 20").

RUN 4)RUN 3 WAS RERUN AT TIME OF RUN 4, RUN 3 WILL BE PRESENTED AT END OF COMPOSITE.

*GEL

**MINK-PAULUS

RECEIVED
DEC 27 1983
BUREAU OF GEOLOGY

RUN		FIVE	SIX		
Service Order No.		-	T06551		
Fluid Level		FULL	FULL		
Salinity, PPM CL.		-	13600		
Speed - F.P.M.		30	30		
EQUIPMENT DATA					
Dens. Panel		1360	1360		
Dens. Cart.		249	249		
Dens. Skid.		249	249		
Dens. Sonde		440	440		
Dens. Source		5197	5197		
Dens. Calibrator		GCBC	GCBC		
GR Cart.		1455	1455		
Memorizer Panel		314	314		
Tape Recorder (TTR)		1976	1976		
Depth Encoder (DRE)		2827	2828		
Pressure Wheel (CPW)		3856	3856		
CALIBRATION DATA					
GR	BKG. CPS	40	40		
	Source CPS	470	470		
	Sens. - Cal	200	200		
	T. C. - Cal	6	6		
FDC	P¹ — Before Log	122	122		
	P² — Before Log	193	193		
	P¹ — After Log	122	122		
	P² — After Log	193	193		
LOGGING DATA					
Grain Density		2.71	2.65		
Liquid Density		1.0	1.0		
Hole Fluid		LIQ	LIQ		
Porosity Scale	[redacted]	0 PU/TR	30		
G.R. T.C. Logged		2	2		
G.R. Sens. Logged		100	150		
Zero Div. Left		0	0		
Scale Per 100 Div.		100	150		

SCALE CHANGE

Type Log	Depth	Up Hole	Down Hole

REMARKS:

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 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 our General Terms and Conditions as set out in our current Price Schedule.

CALIPER DIAM. IN INCHES

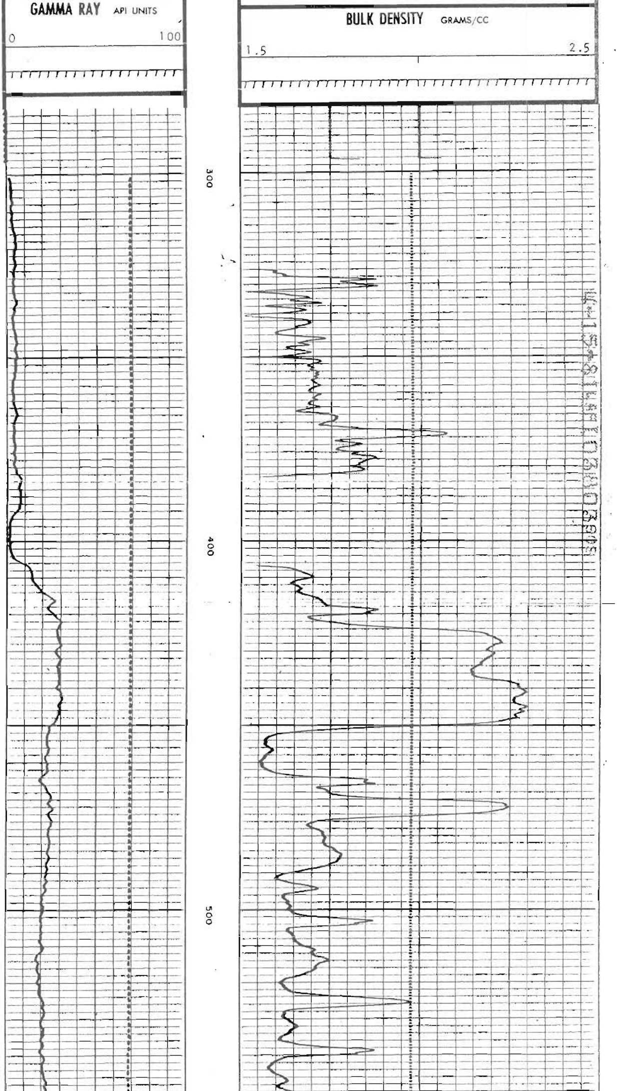
8 18

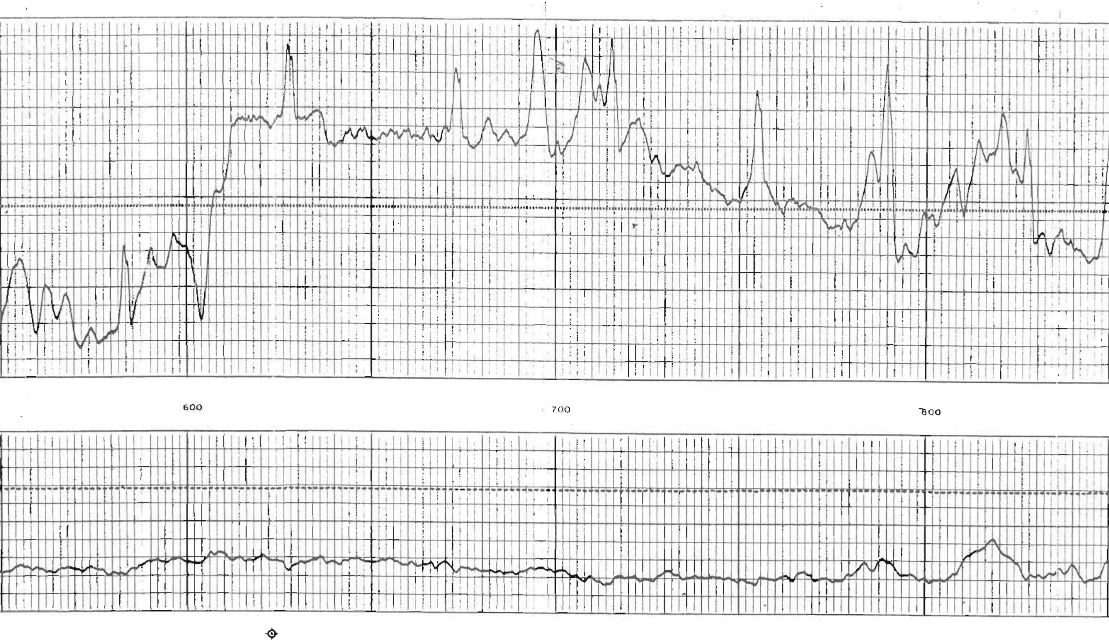
18 28

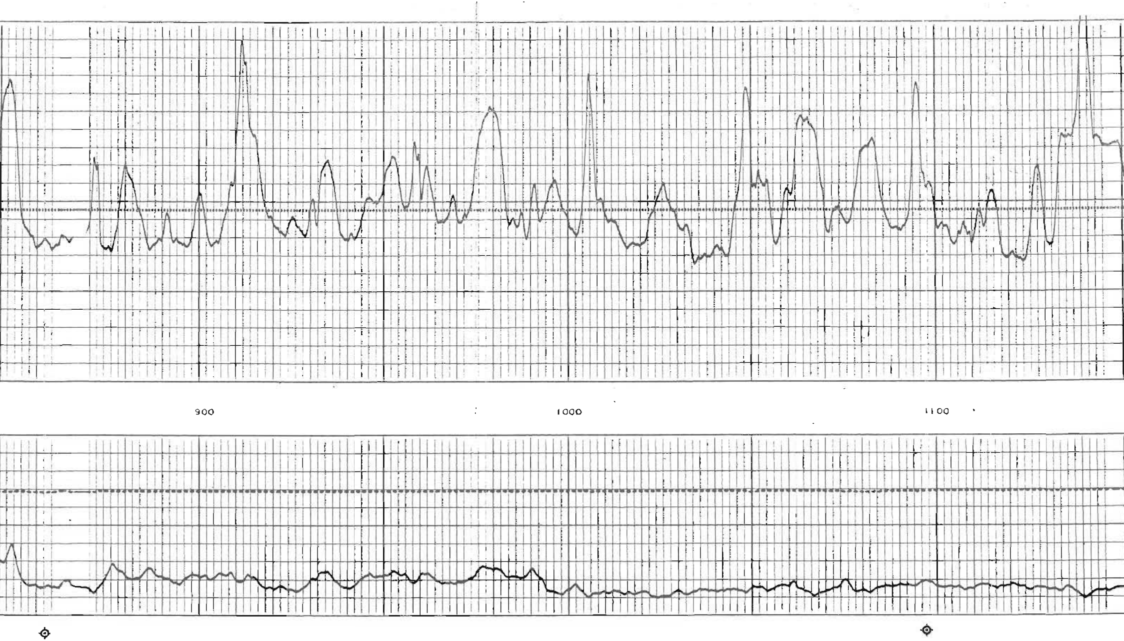
CORRECTION GRAMS/CC

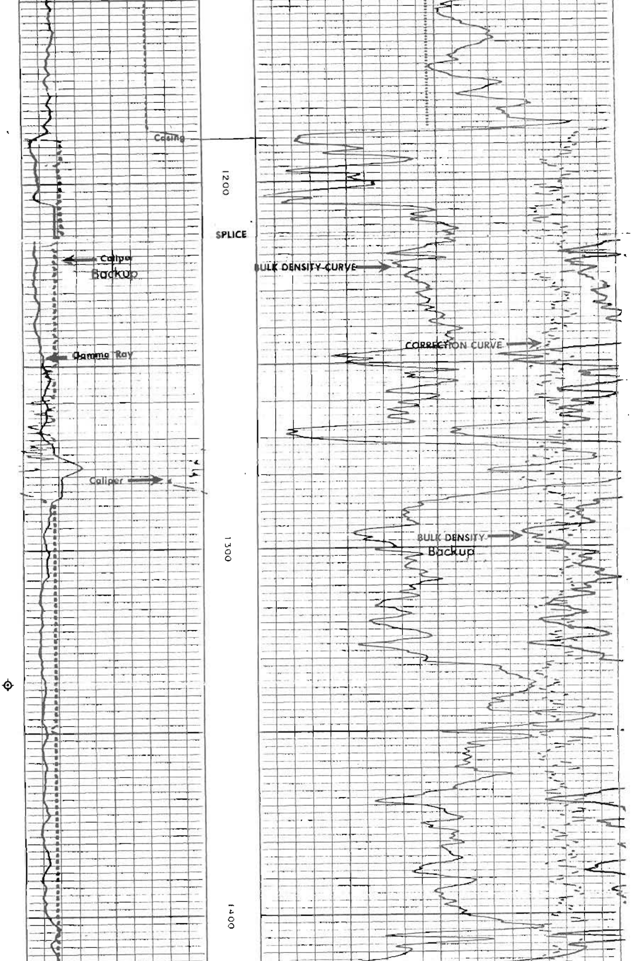
Use this scale when correction curve is presented in Track 3

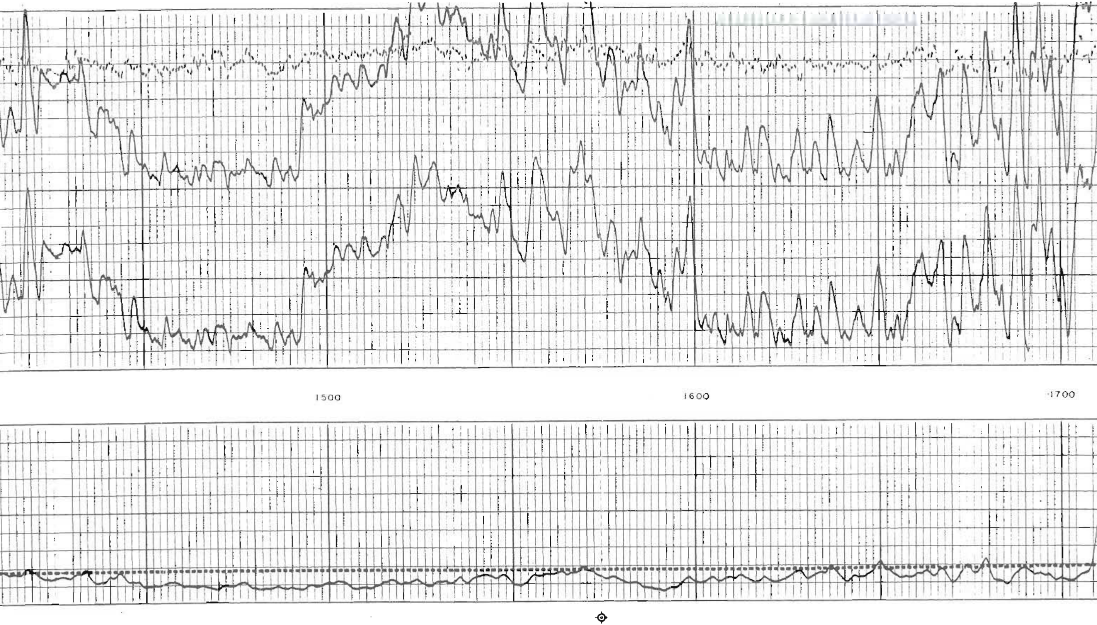
-.25 0 +.25

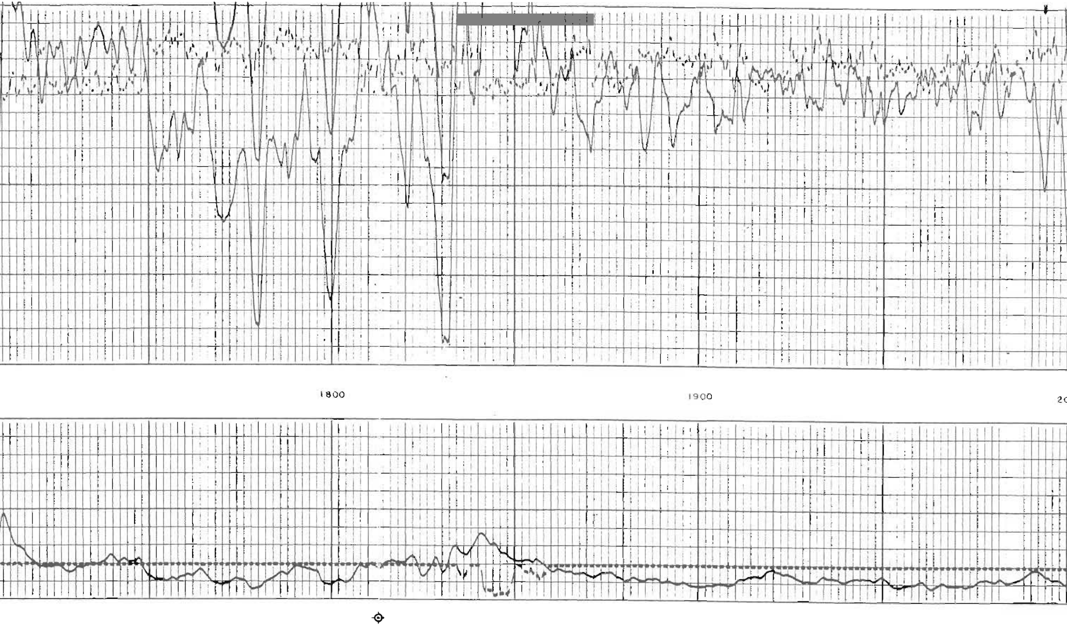


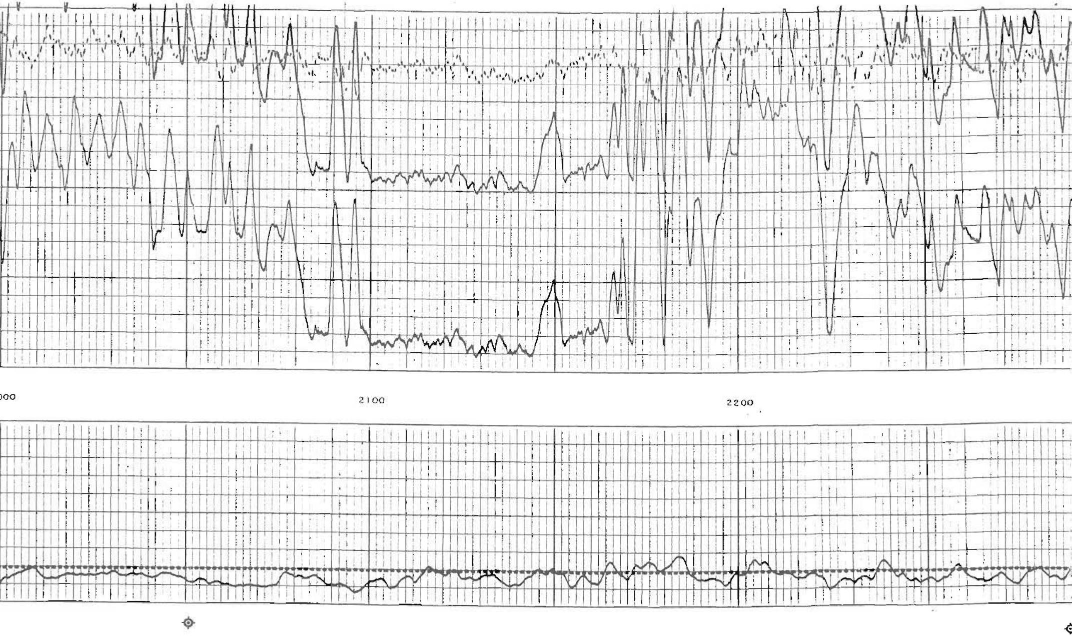


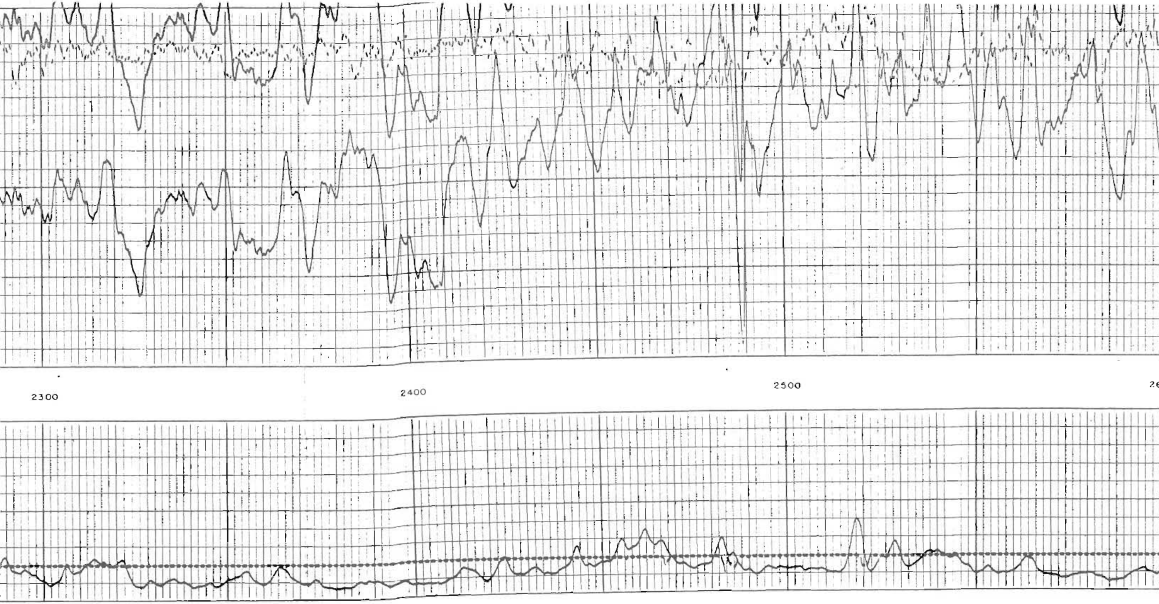


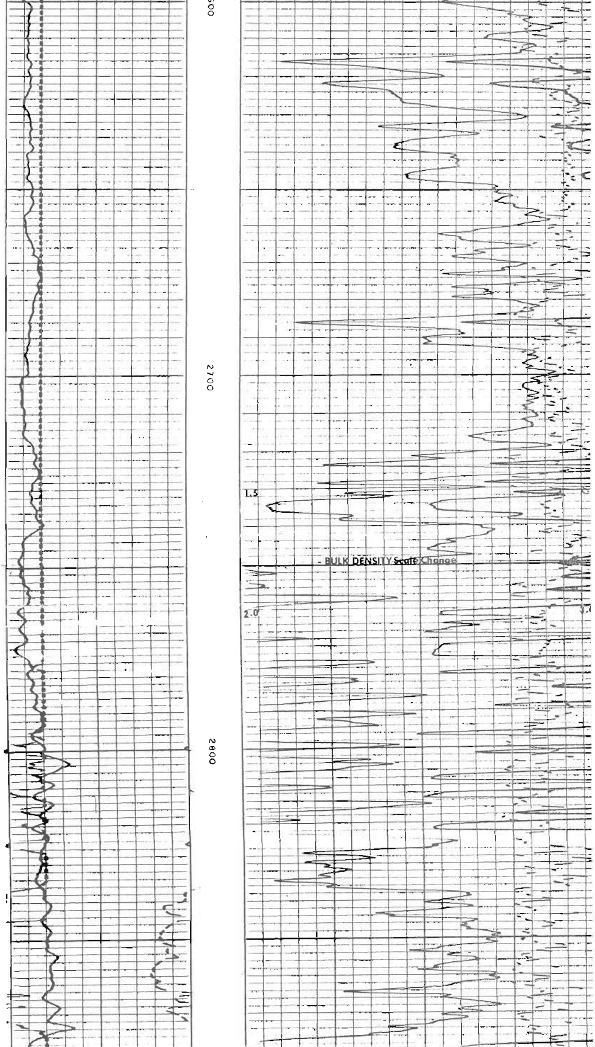


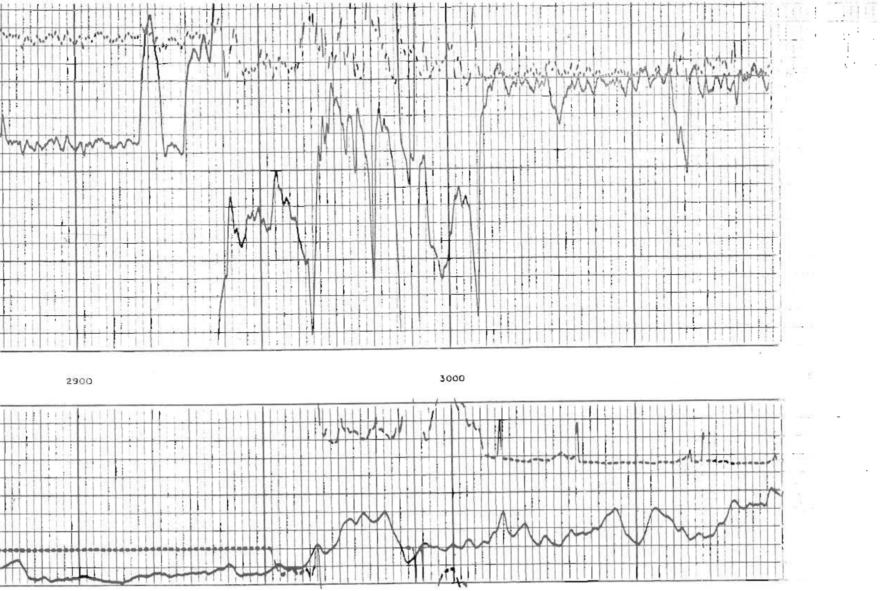


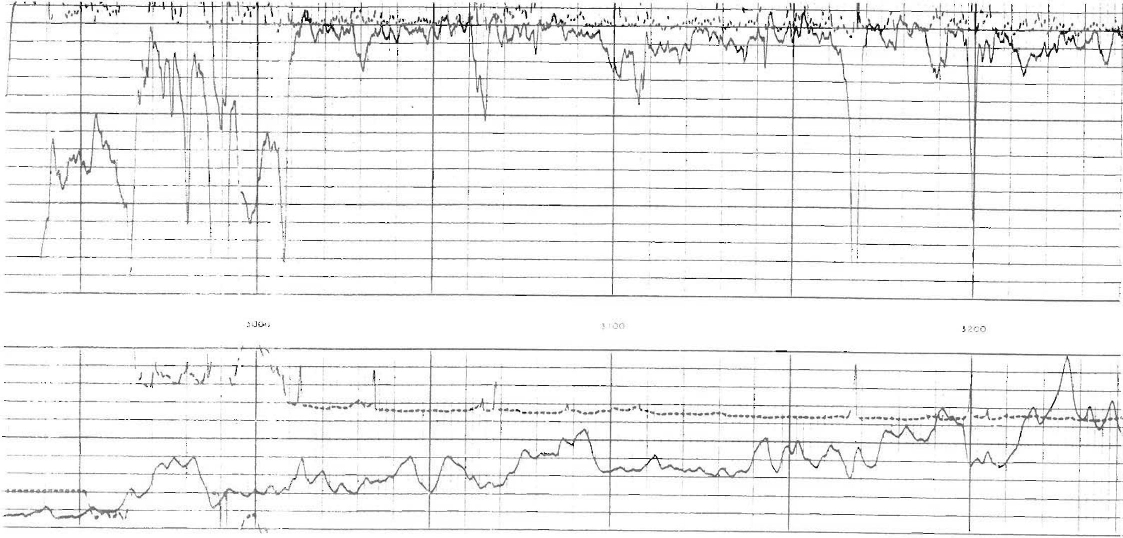


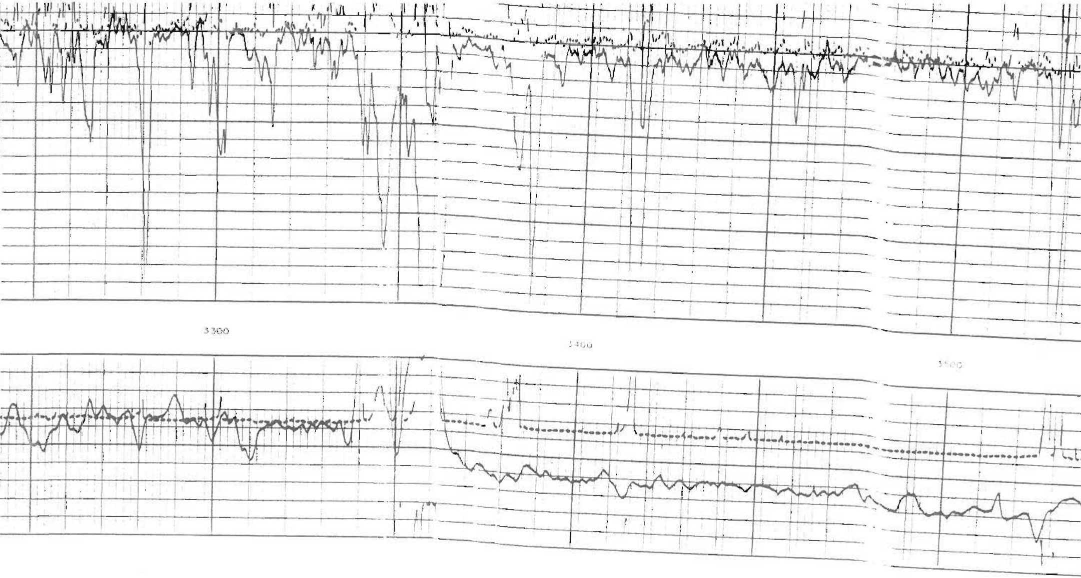


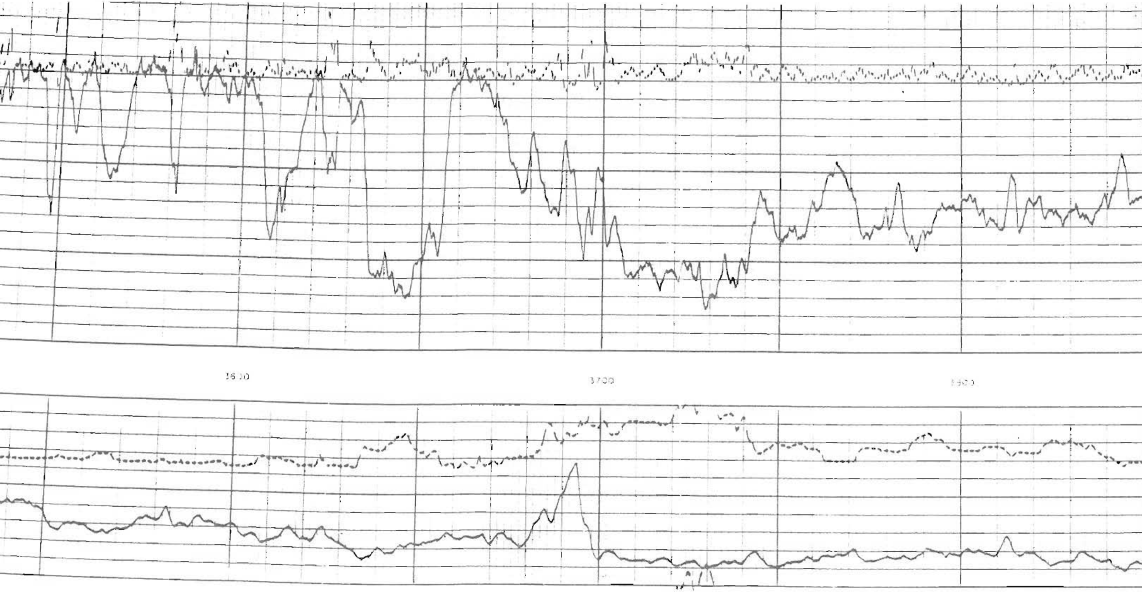


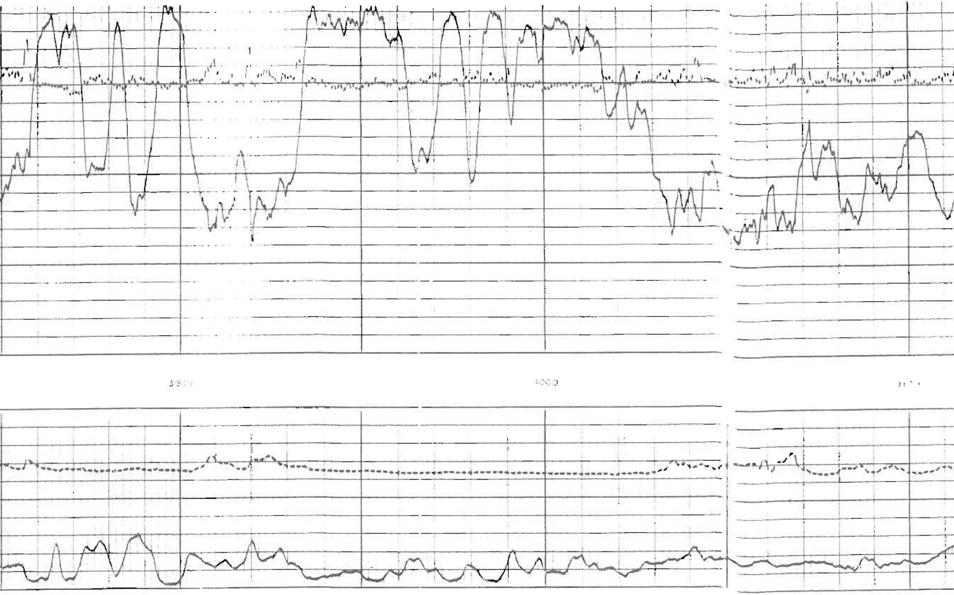


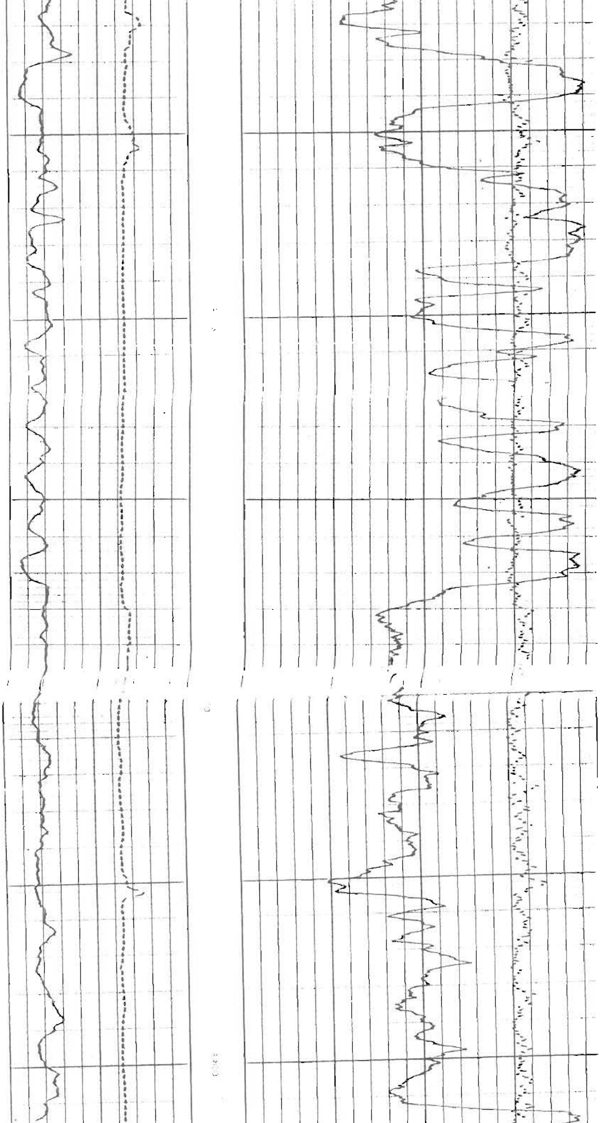


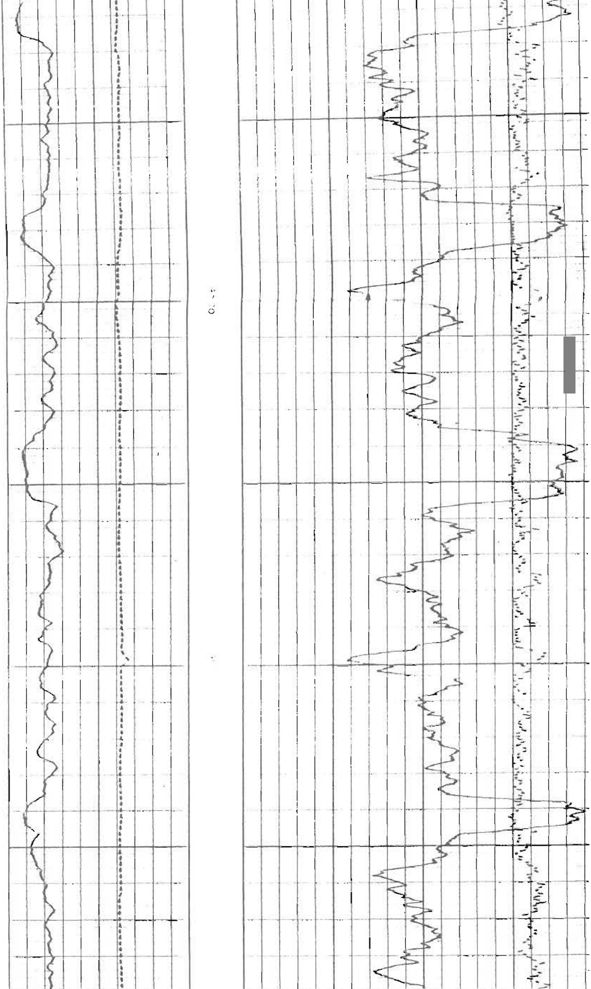












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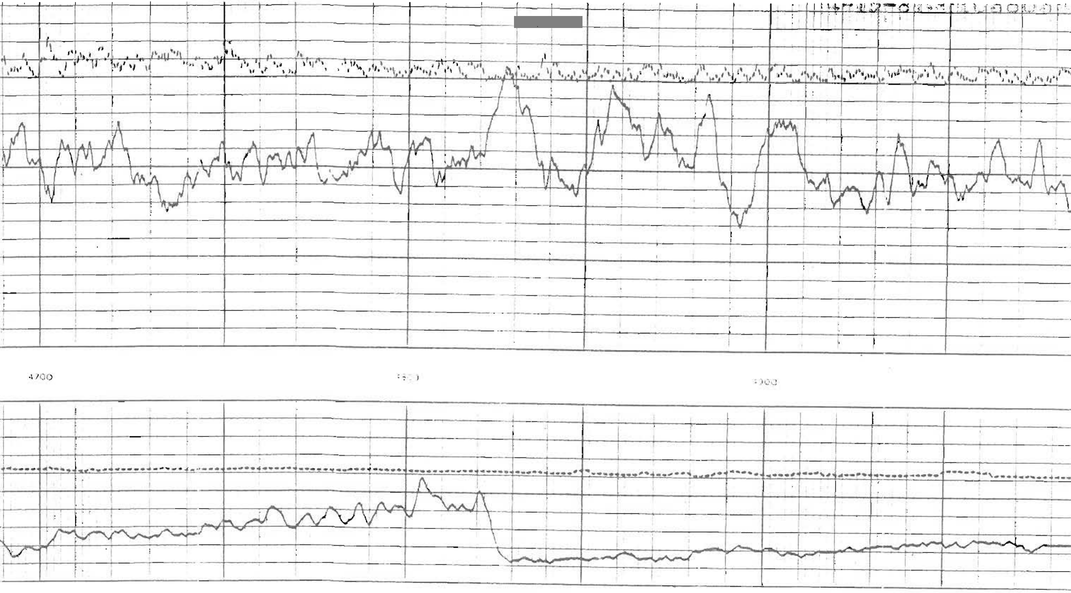

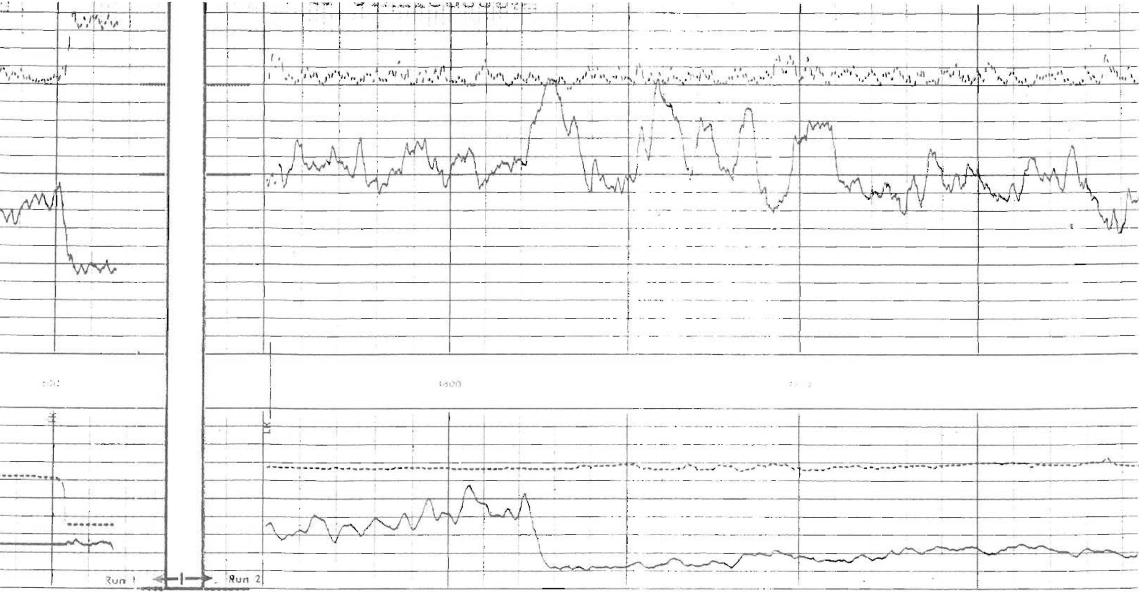

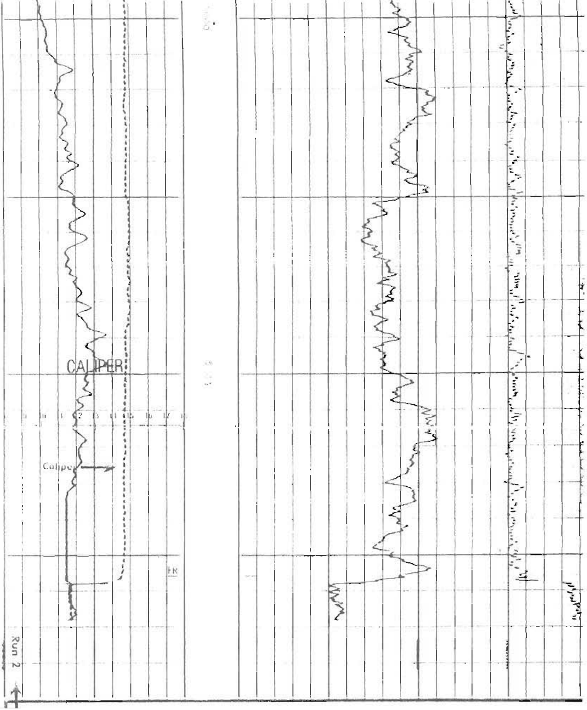

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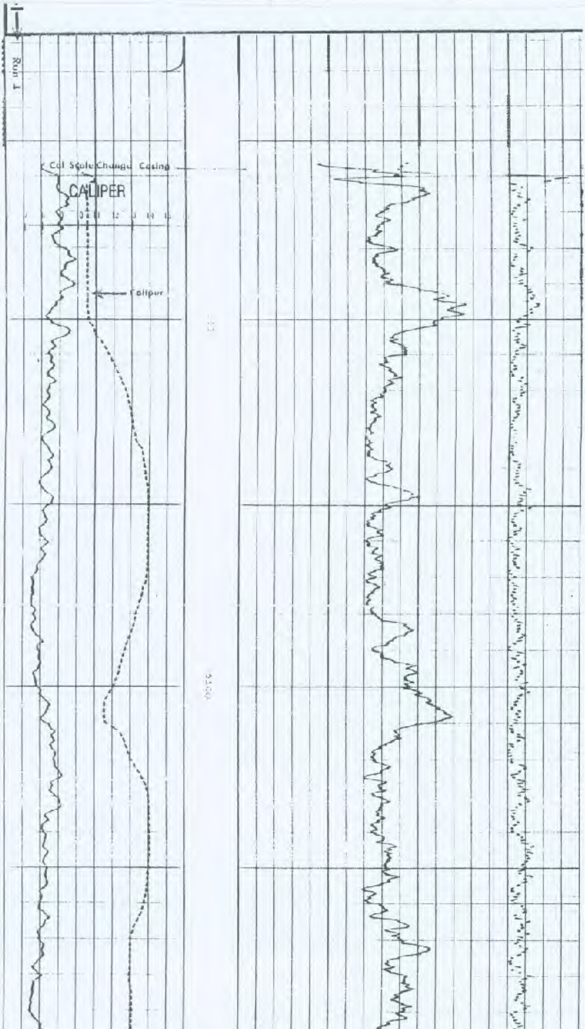
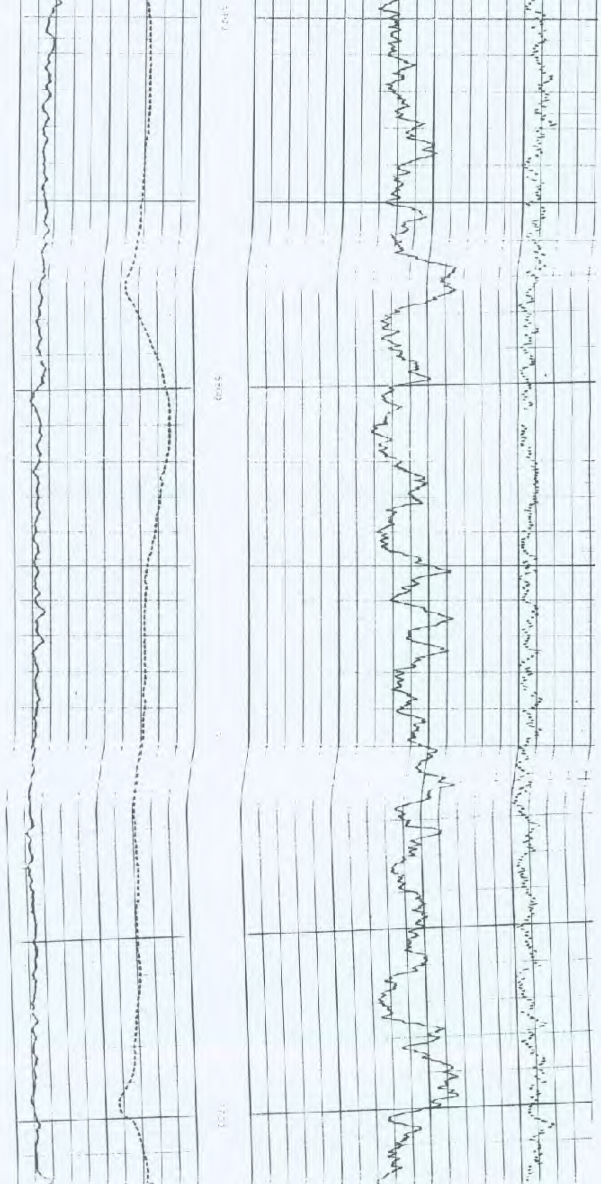
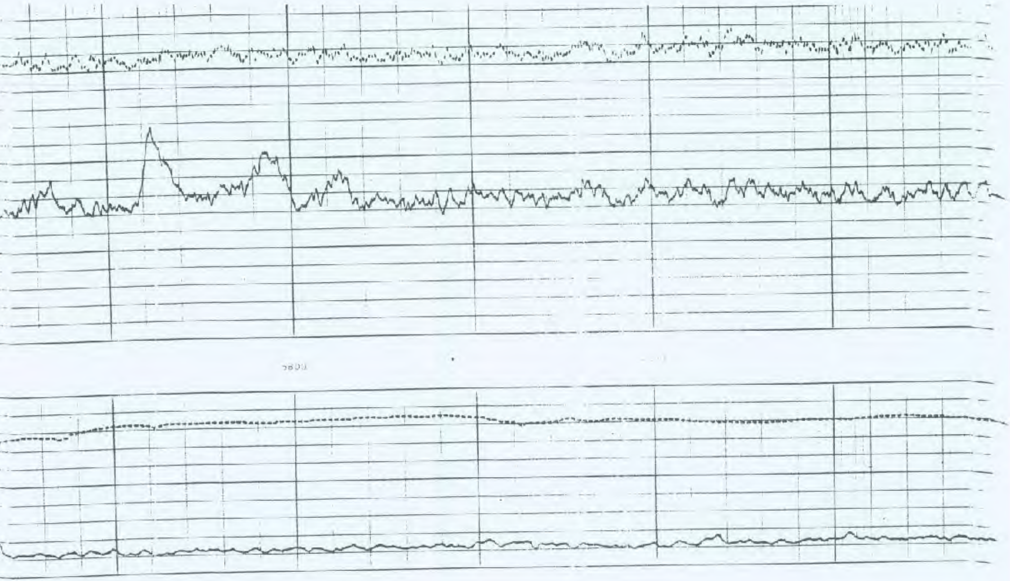
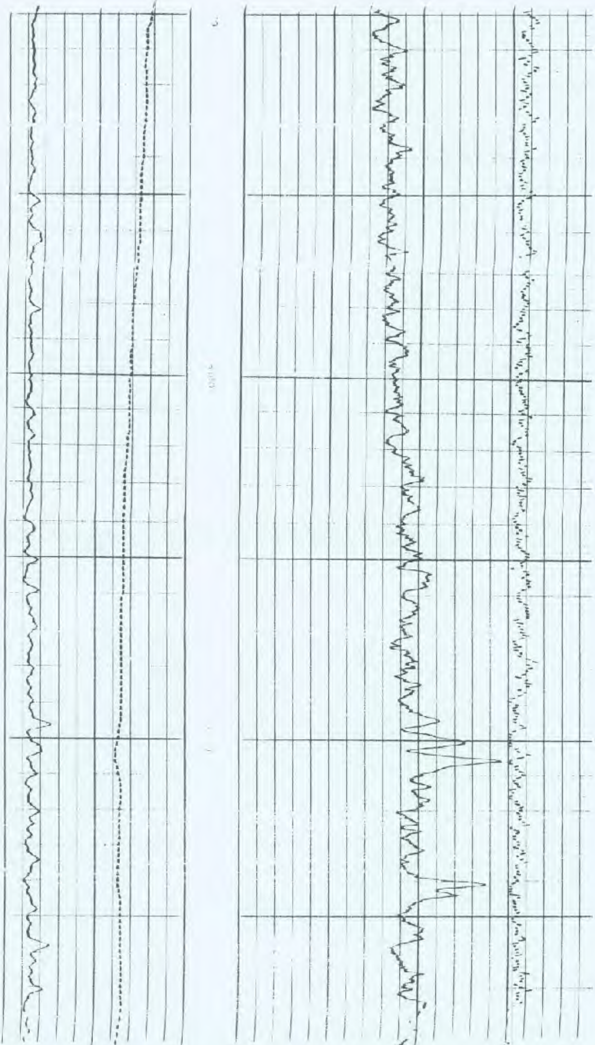
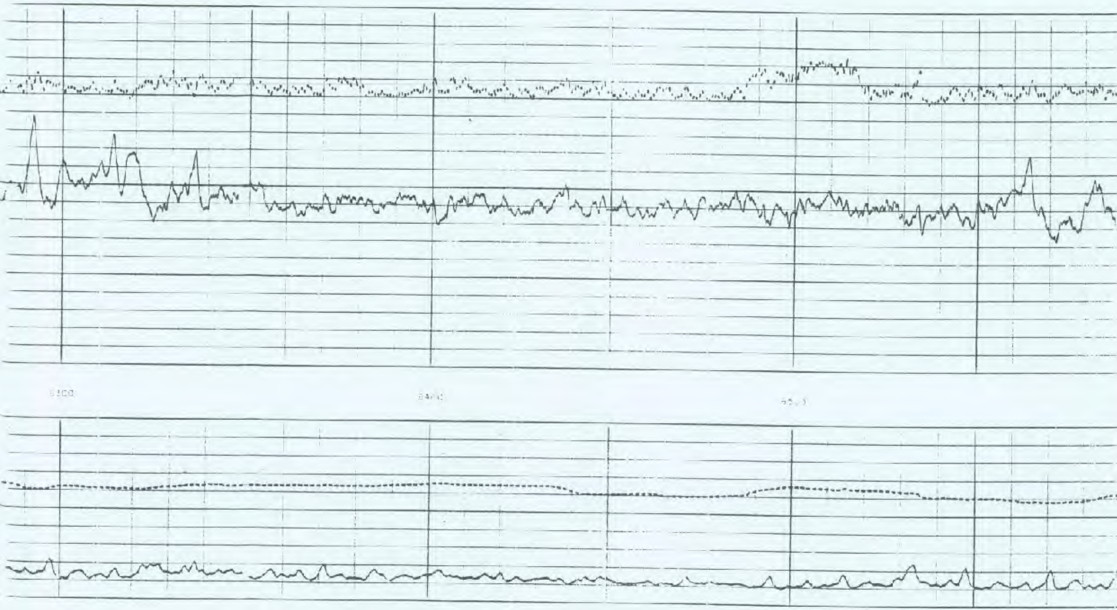
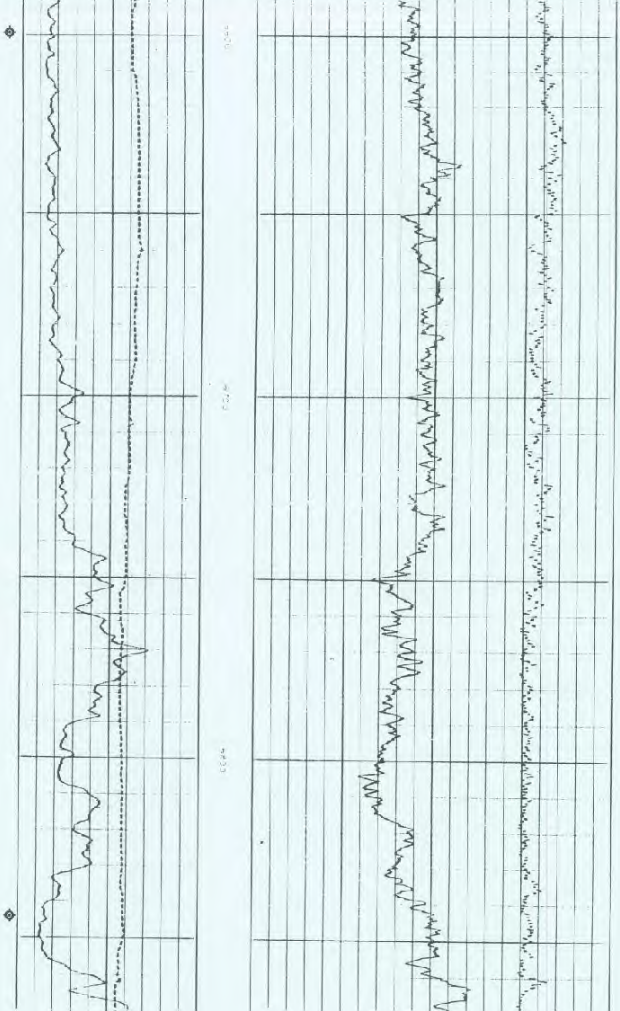


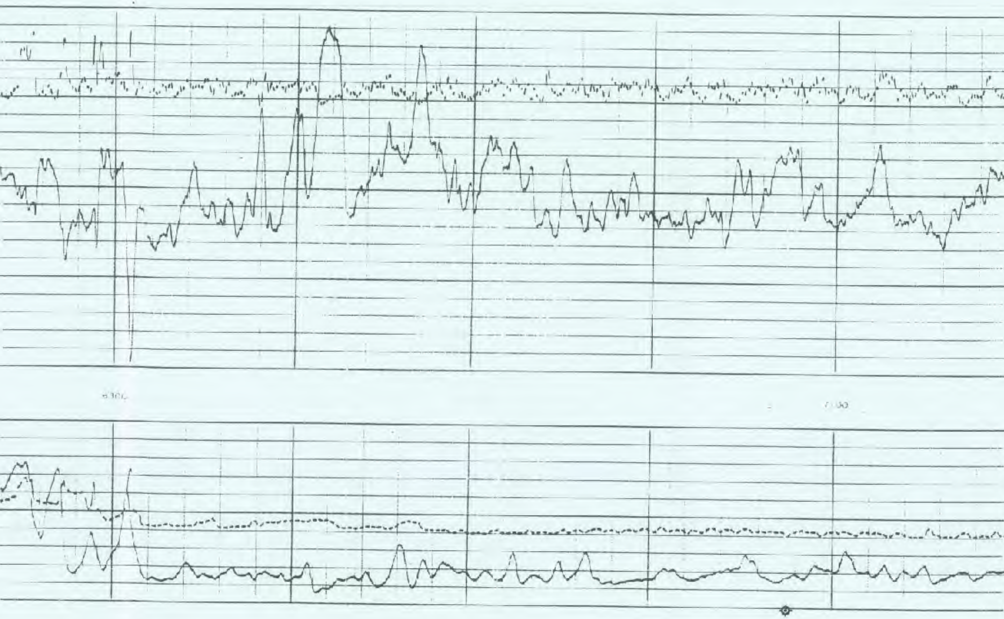


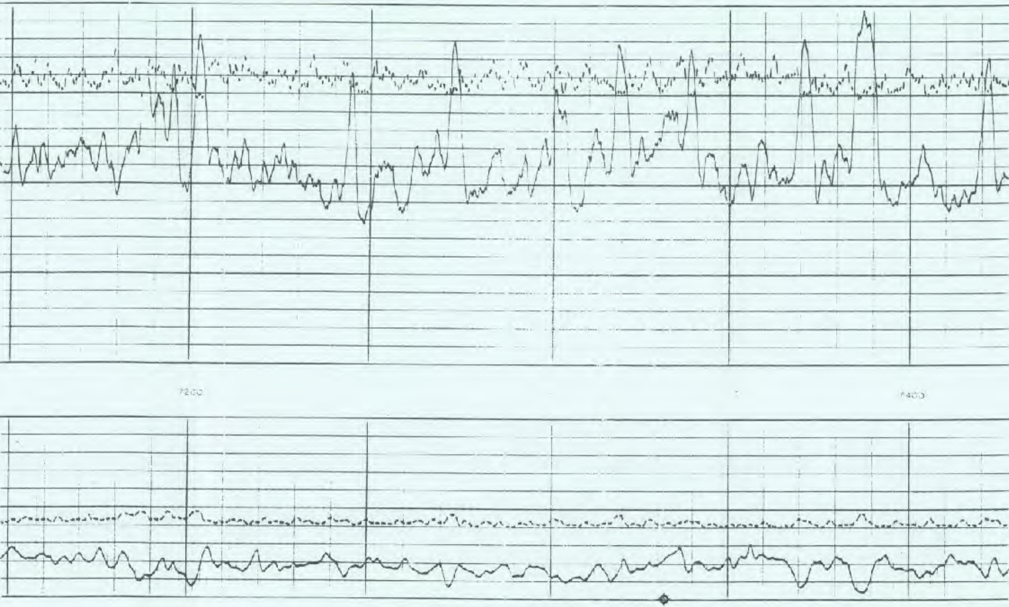


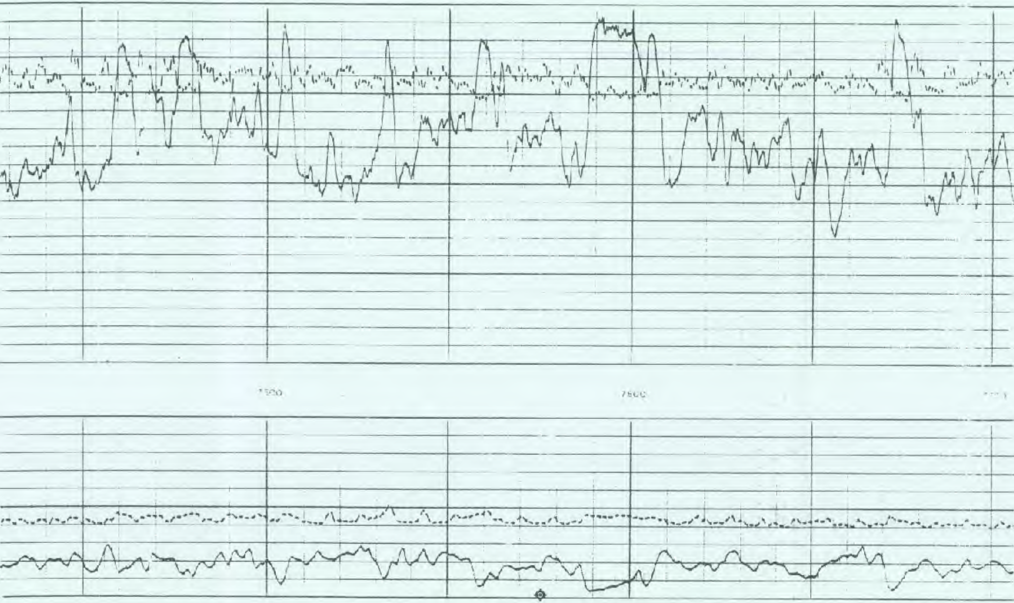


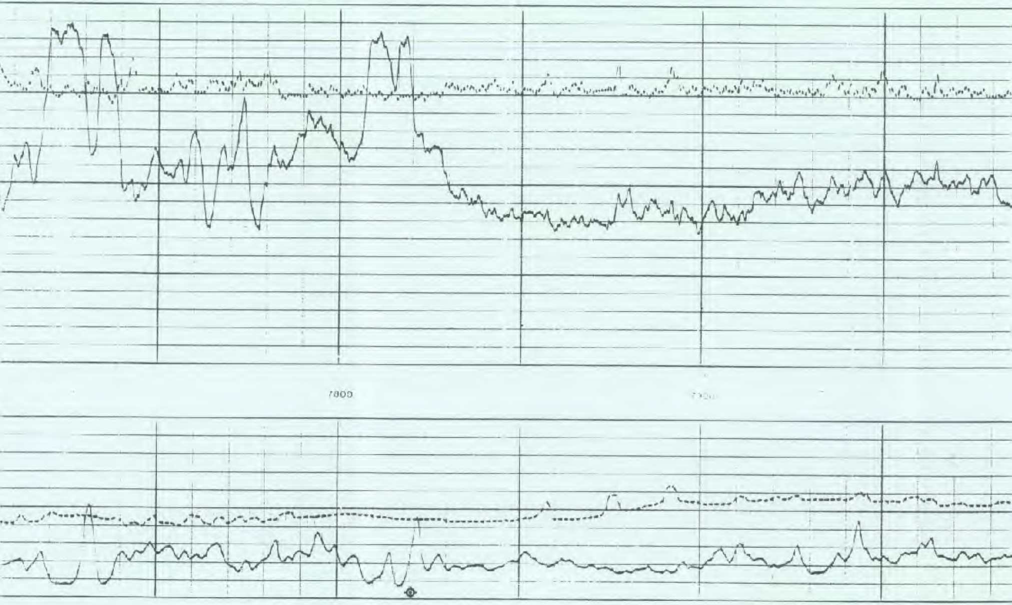


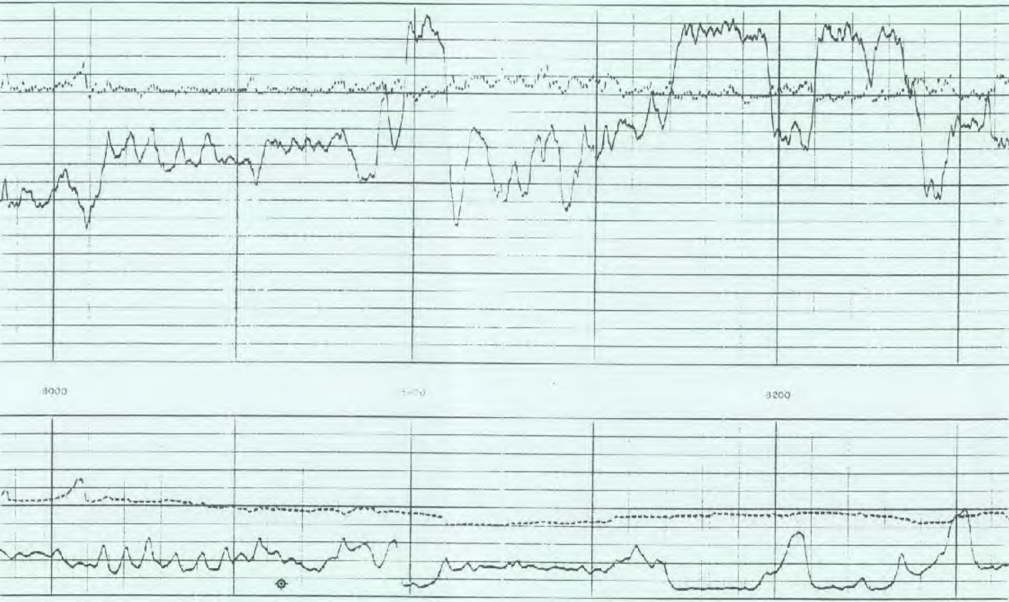


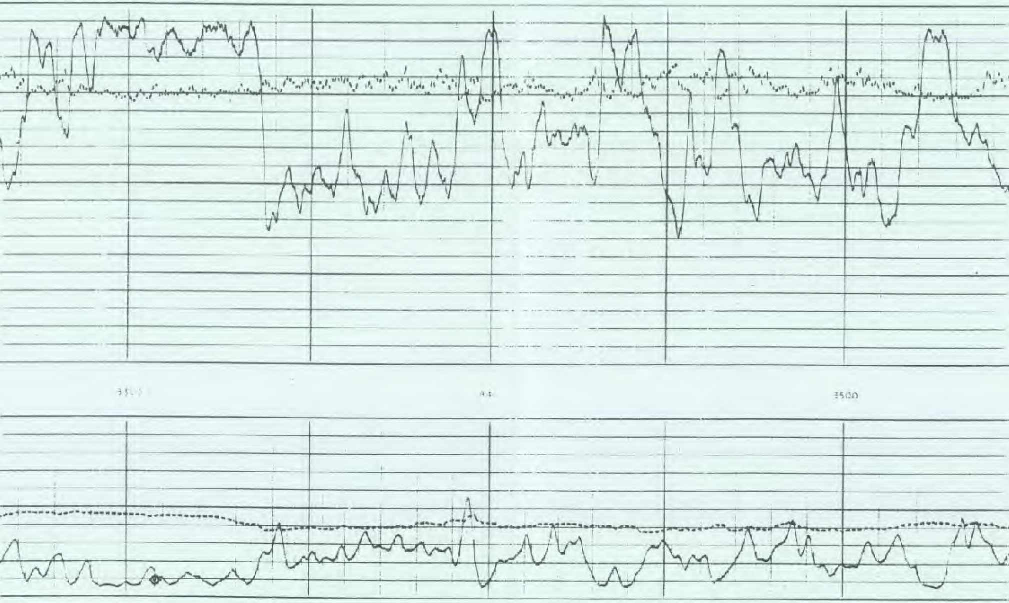


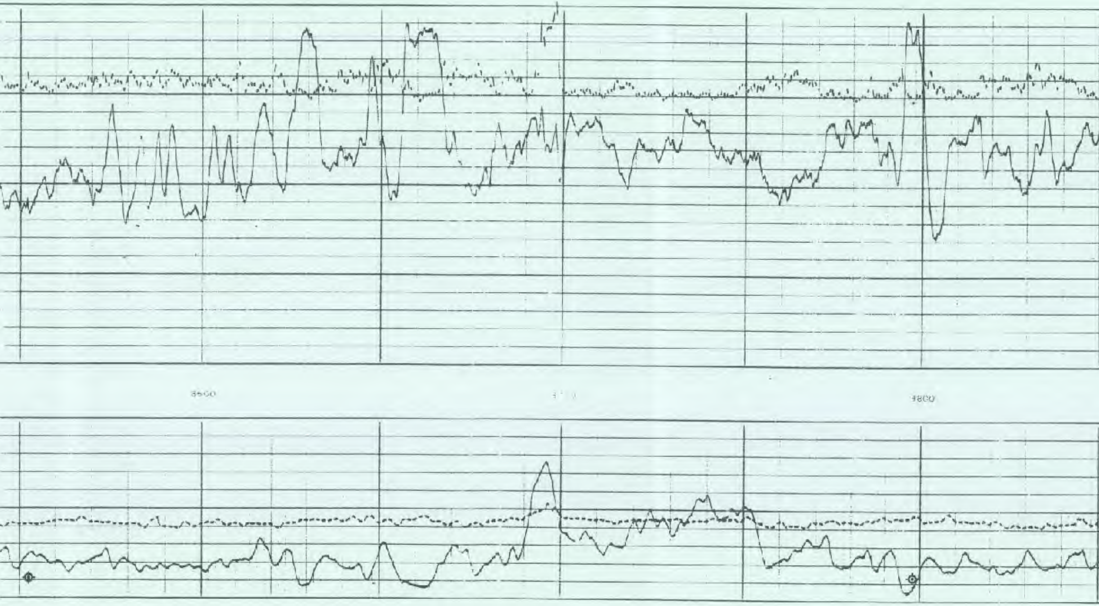


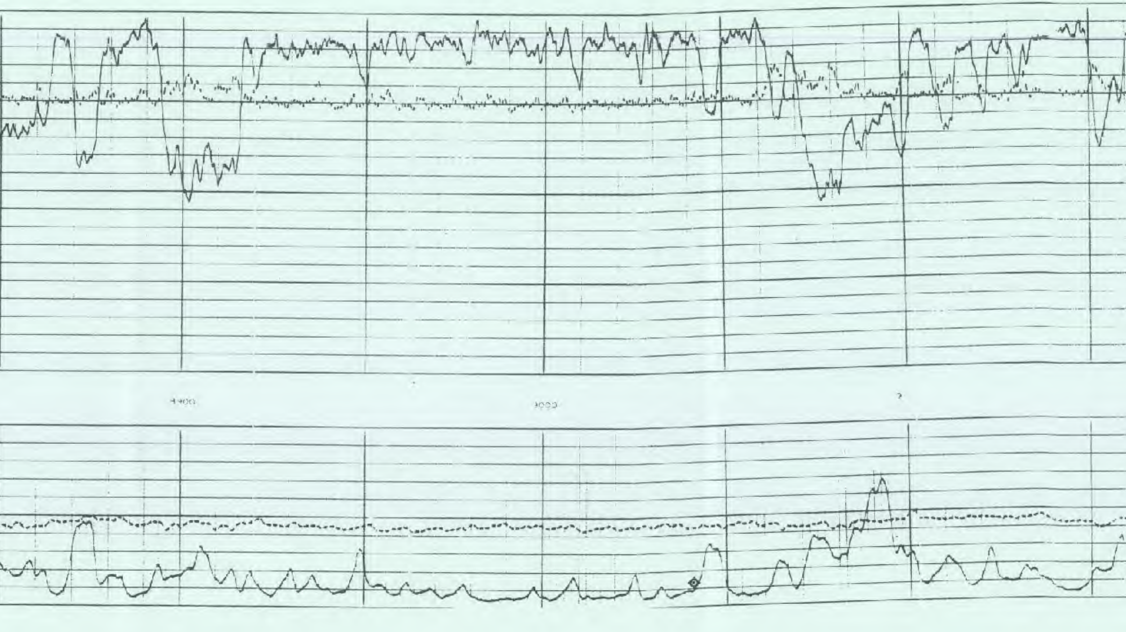


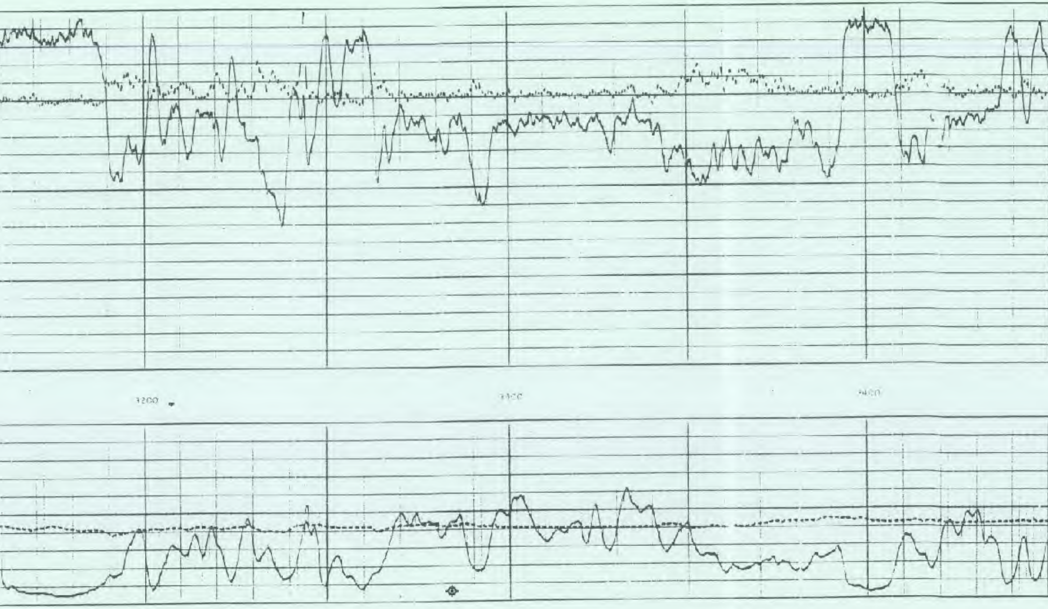


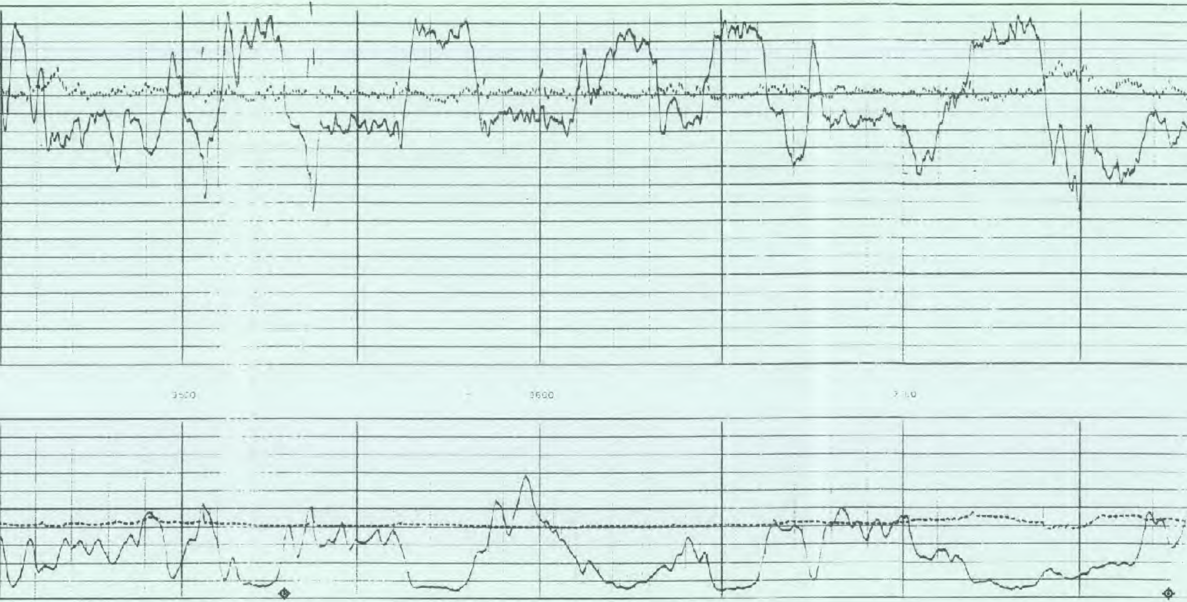


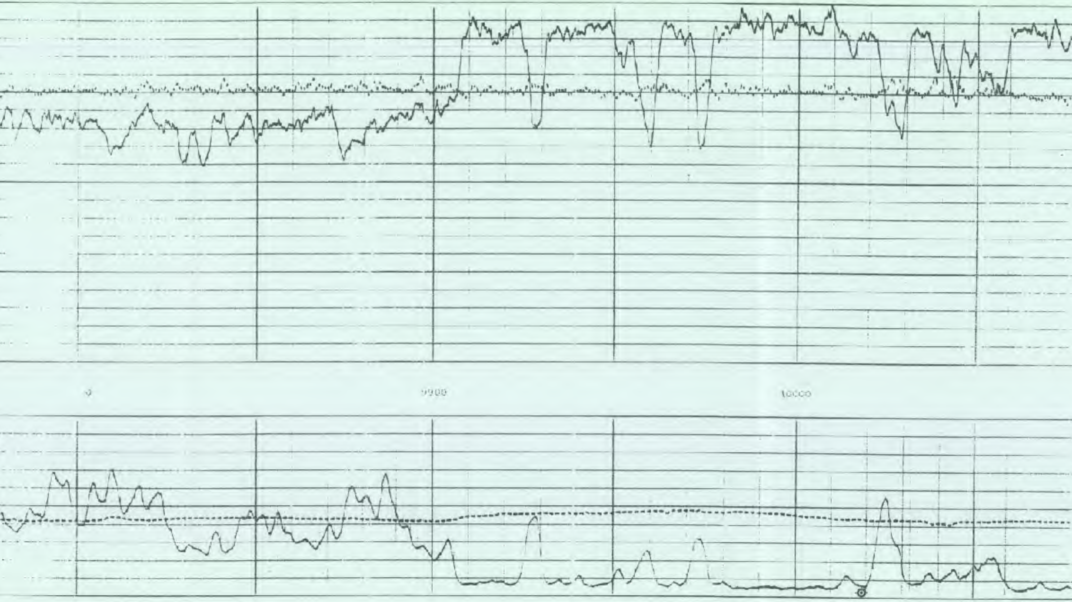


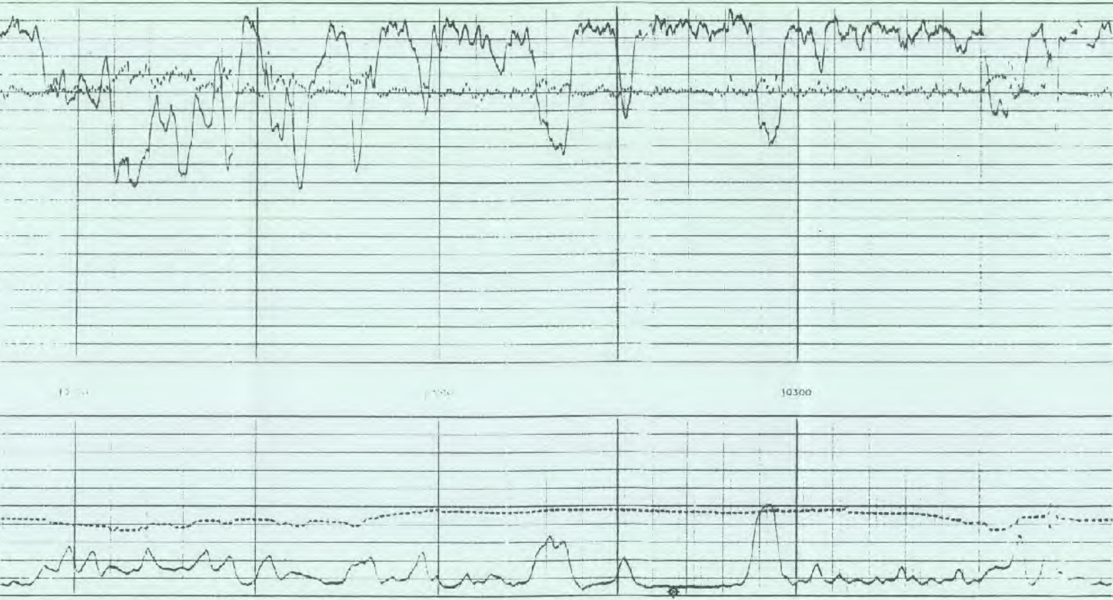


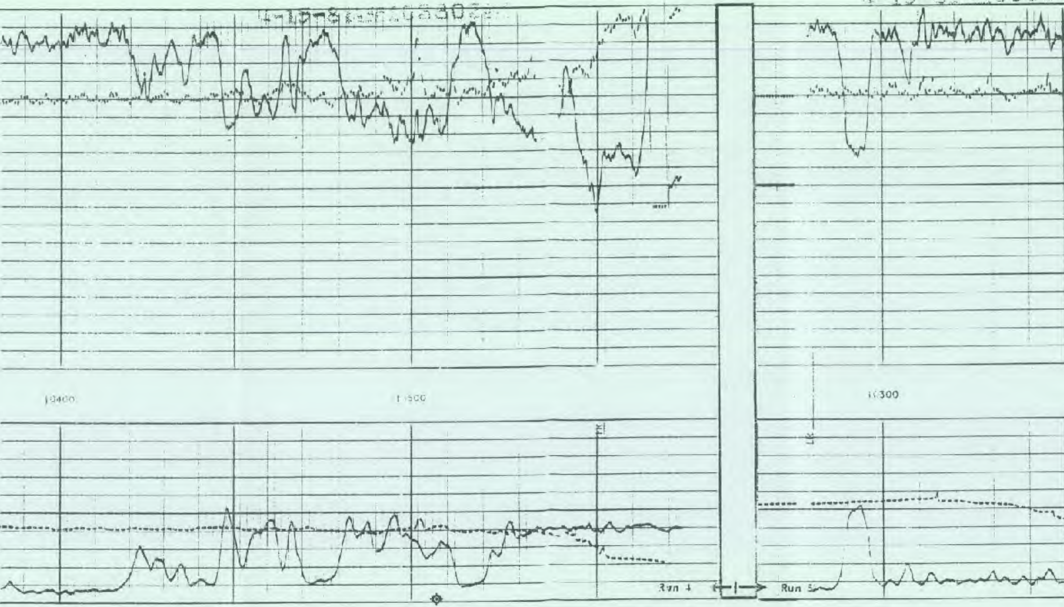


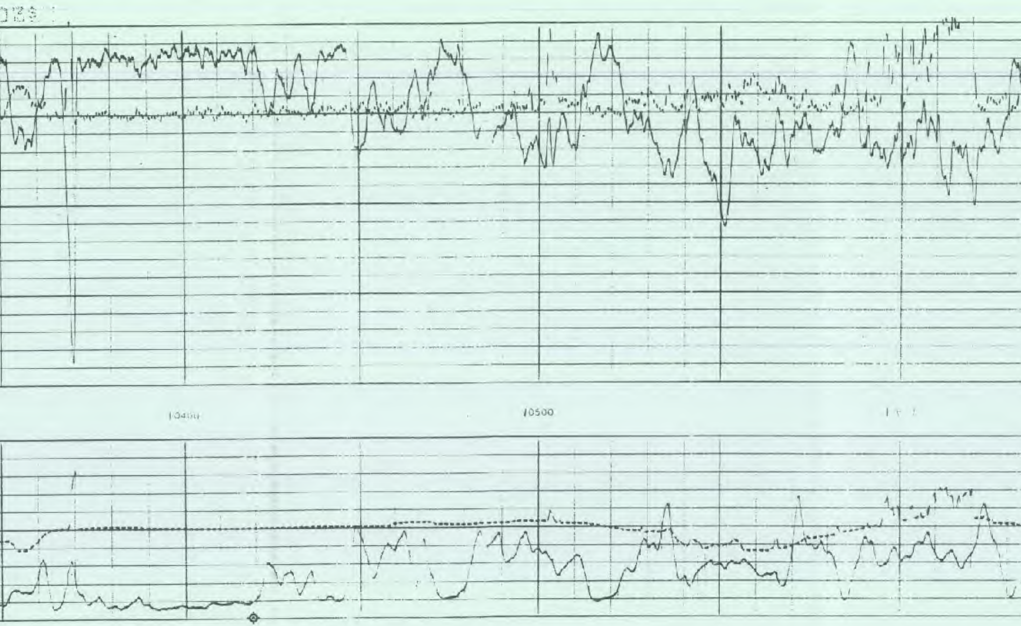


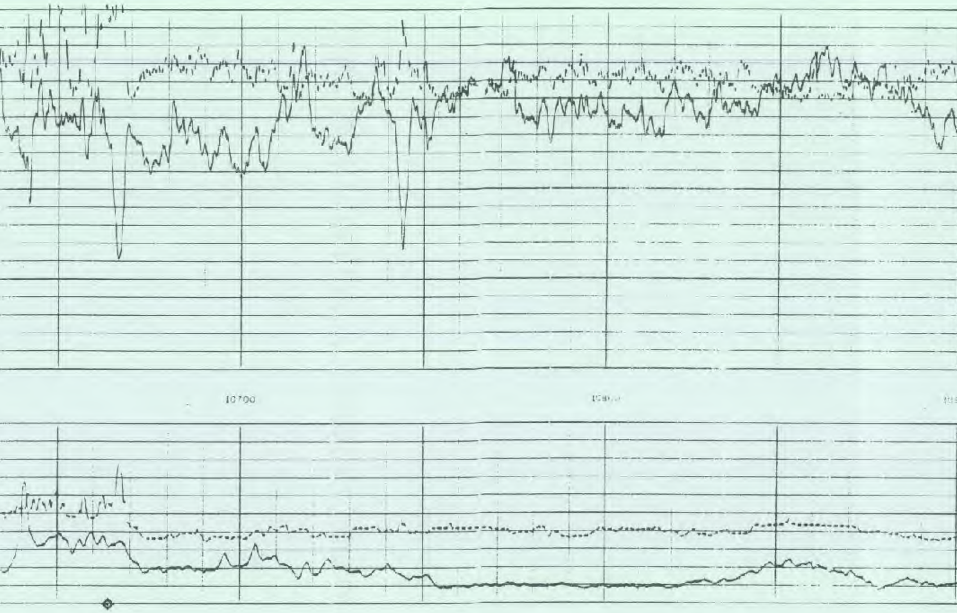


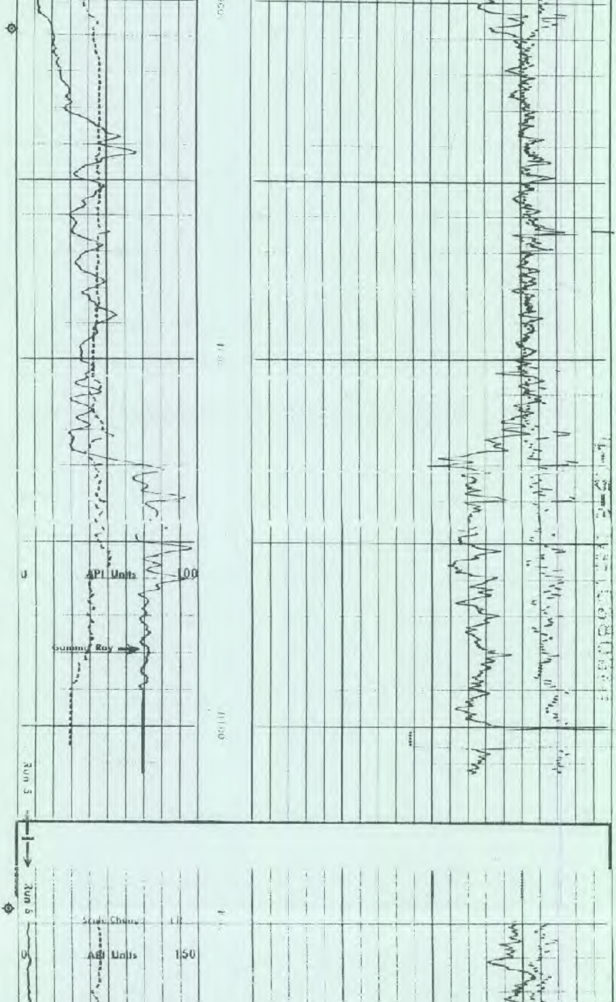


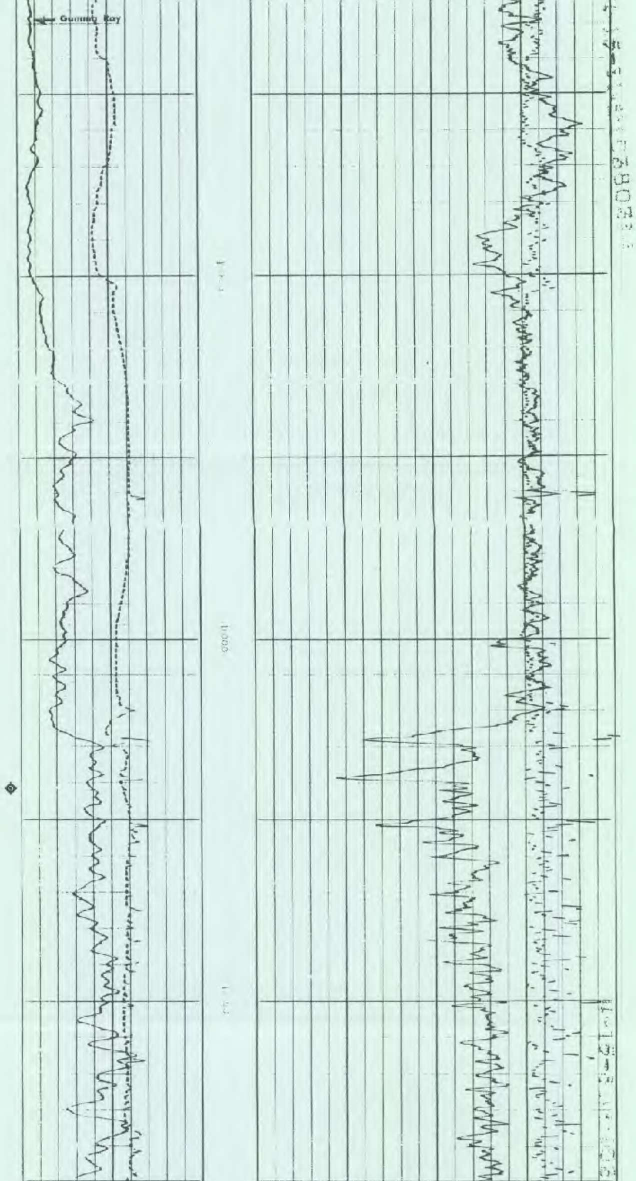


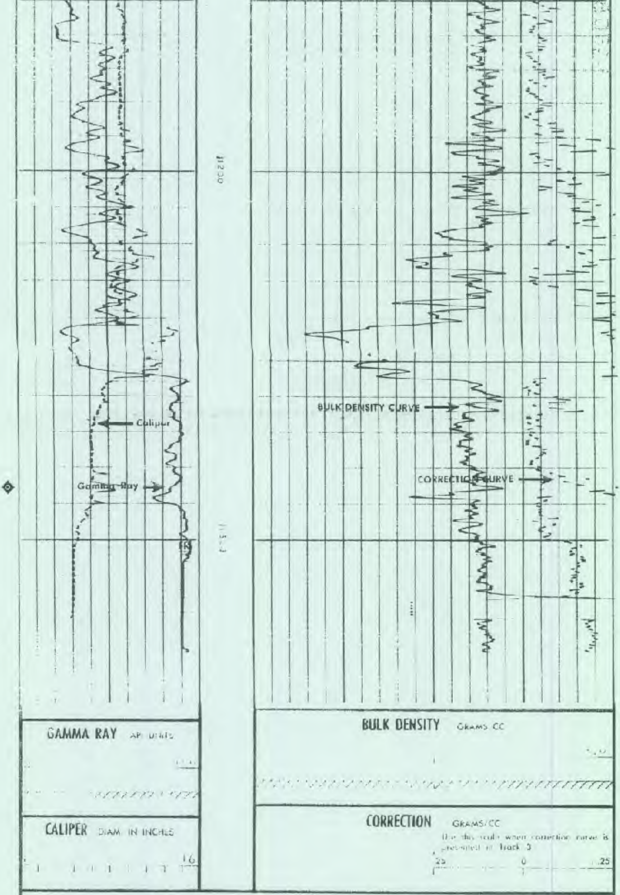












COMPANY TENNECO OIL COMPANY

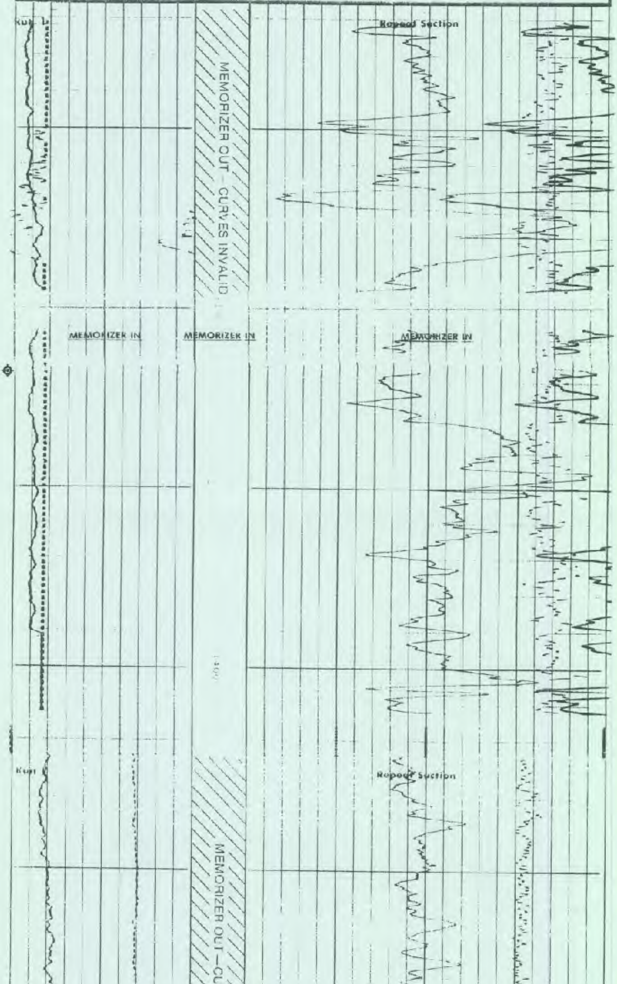
WELL OCS-G-3917 NO. 1

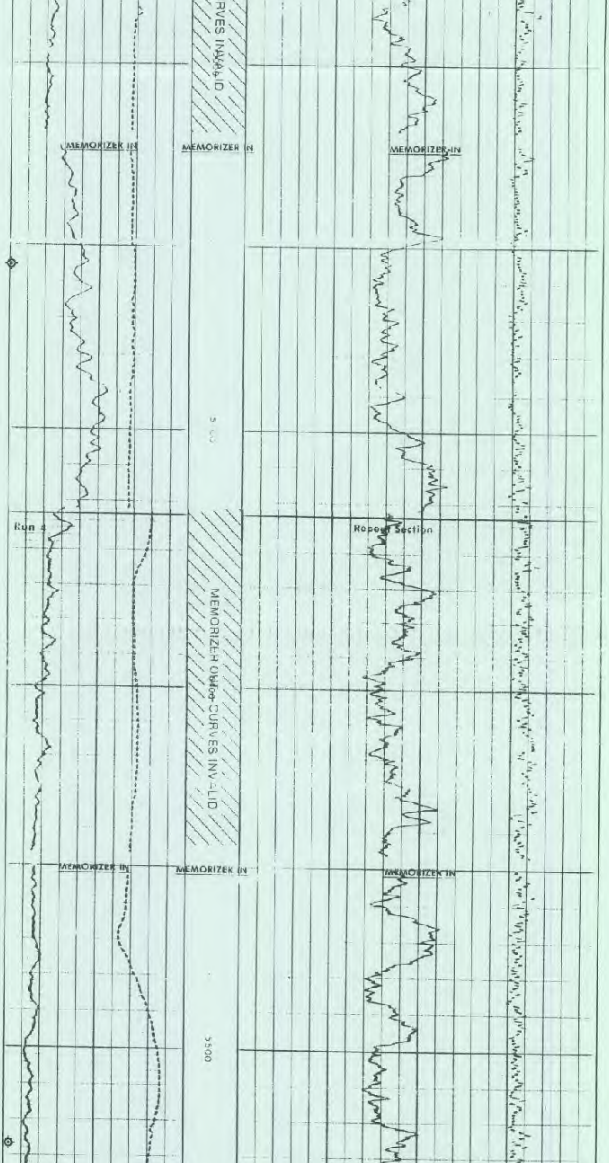
FIELD BLOCK 672 CHARLOTTE HARBOR

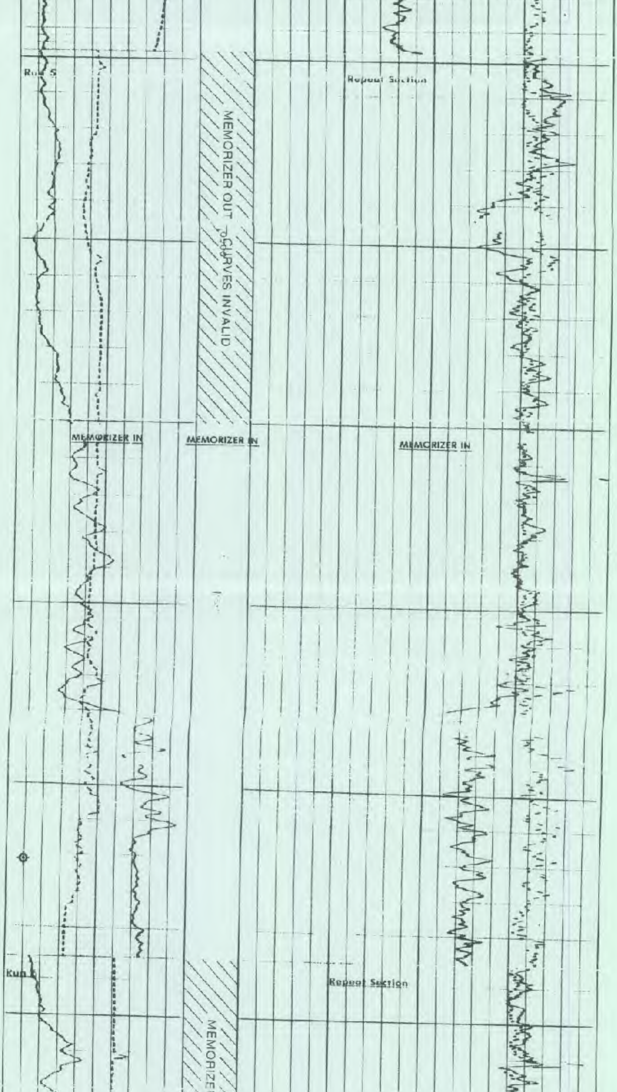
COUNTY OFFSHORE STATE FLORIDA

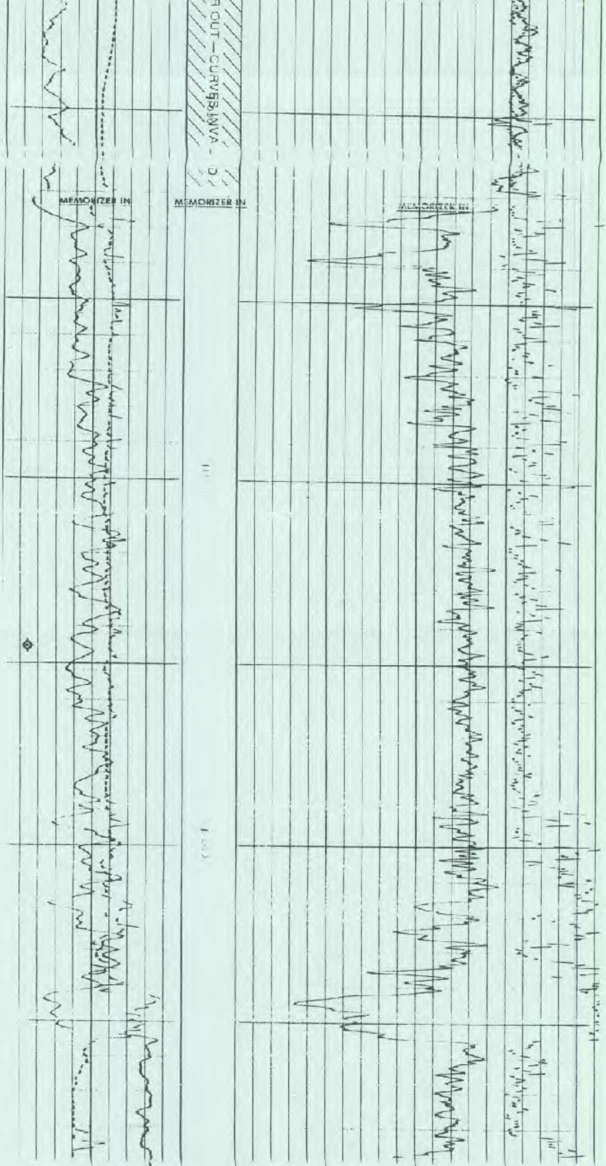
SCHL. FR 11303
SCHL. TD 11304
DRLR. TD 11300

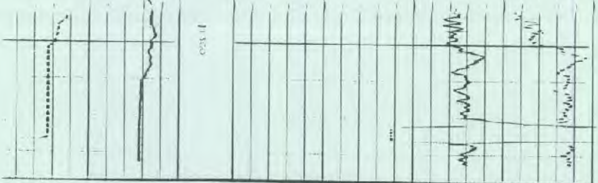
Elev: KB 90
DF 89
MWL











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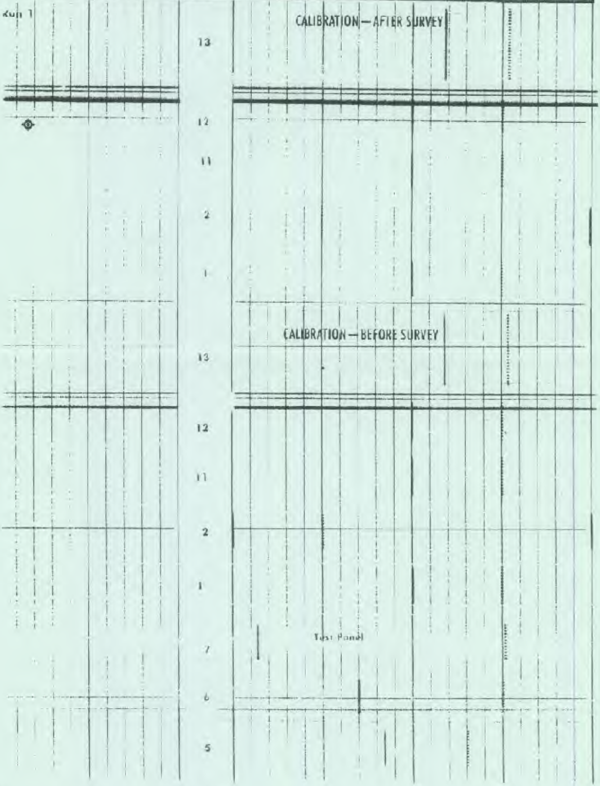

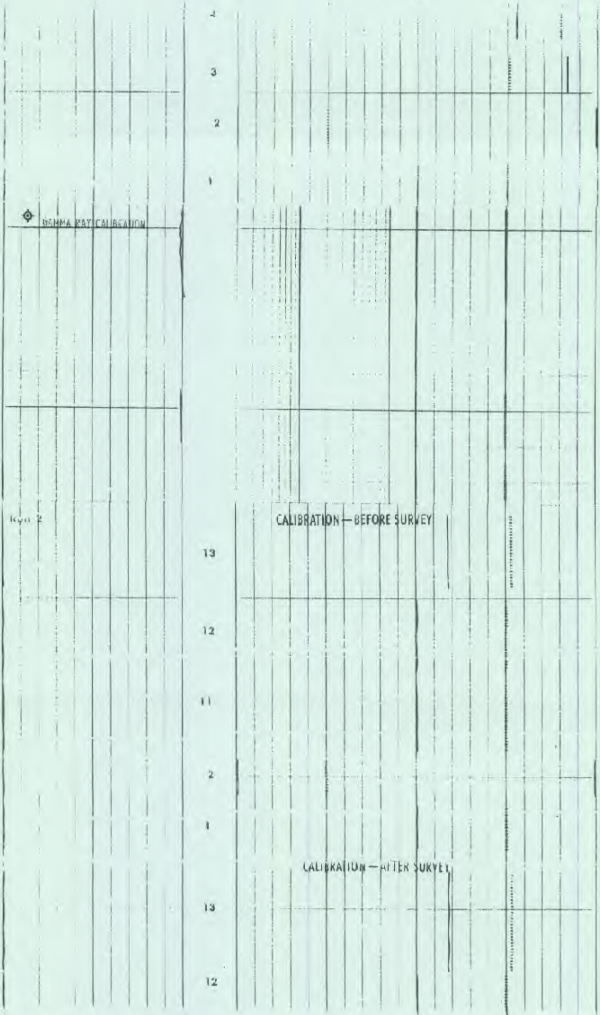

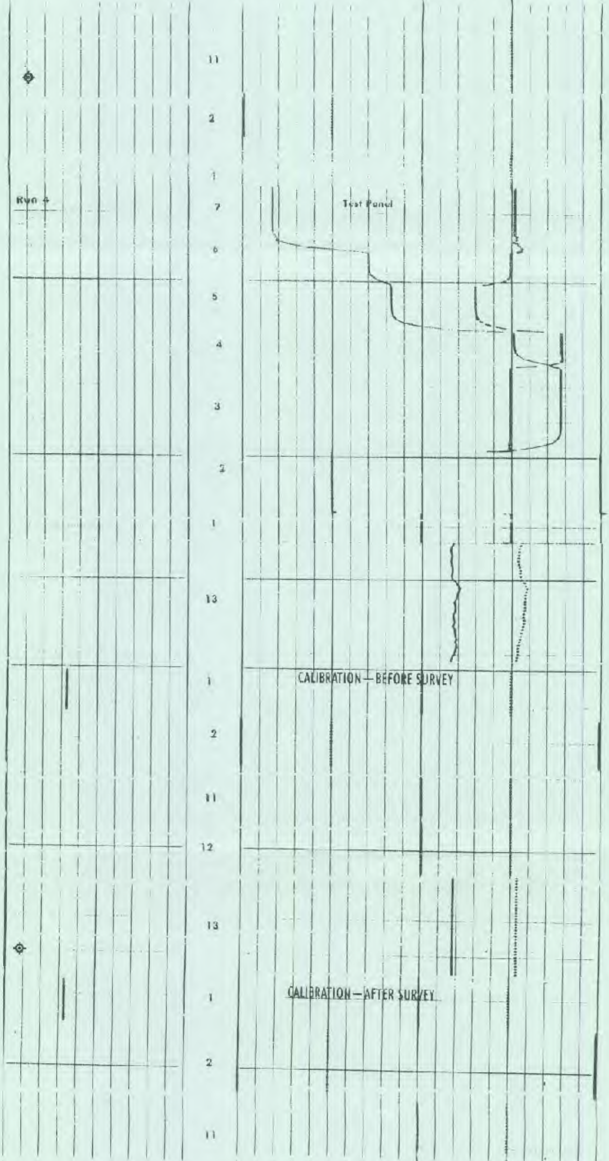

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