850

Schlumberger

DUAL INDUCTION-LATEROLOG

COPY 2

COUNTY LEE, FLORIDA
FIELD LEHIGH PARK
LOCATION SEC.22-44S-26E
WELL CONSOLIDATED TOMOKA 23-3
COMPANY EXXON CO., U.S.A.

COMPANY EXXON COMPANY, U.S.A.
26°·37'-53" 81°41'47" X=599197 Y=835264
WELL 71-27 CONSOLIDATED TOMOKA 23-3 538
FIELD LEHIGH PARK
COUNTY LEE STATE FLORIDA

LOCATION 200'S OF CENTER SW/4 SEC.23
20066
NW NE SE SE QUAD #152 OLGA

API SERIAL NO.	SEC.	TWP	RANGE
	22	44S	26E

Other Services:
BHC-GR

FILE #8550

Permanent Datum: GROUND LEVEL ; Elev.: 22.0
Log Measured From R.K.B. ; 24.8 Ft. Above Perm. Datum
Drilling Measured From R.K.B.

Elev.: K.B. 46.8
D.F. 46.1
G.L. 22.0

Date	10/17/76	10/29/76	12/02/76	12/13/76
Run No.	ONE	ONE	THREE	FOUR
Depth—Driller	1550	3600	11984	12439
Depth—Logger (Schl.)	1548	3578	11984	12437
Btm. Log Interval	1542	3572	11978	12431
Top Log Interval	228	1550	3606	11979
Casing—Driller	20" @ 228	13-3/8 @ 1550	9-5/8 @ 3606	7" @ 11984
Casing—Logger	228	1550	3606	11979
Bit Size	17-1/2"	12-1/4"	8-3/4"	6"
Type Fluid in Hole	GEL SLURRY	WATER	GEL	GEL-LIG-CAUS
Dens. | Visc.	8.9 | 40	- | -	- | -	9.0 | 39
pH | Fluid Loss	11.5 | NC ml	- | - ml	- | - ml	11.5 | 11.8 ml
Source of Sample	FLOWLINE	-	-	PIT FLOWLIN
Rm @ Meas. Temp.	4.5 @ 75°F	- @ - °F	- @ - °F	.5 @ 75°F
Rmf @ Meas. Temp.	- @ - °F	- @ - °F	- @ - °F	.45 @ 75°F
Rmc @ Meas. Temp.	- @ - °F	- @ - °F	- @ - °F	.55 @ 75°F
Source: Rmf | Rmc	- | -	- | -	- | -	M | M
Rm @ BHT	- @ <95°F	- @ - °F	- @ - °F	.197 @ 190°F
TIME Circulation Stopped	1230-10/16	0700-10/29	0100-12/02	0600-12/13
TIME Logger on Bottom	0200-10/17	1100-10/29	0600-12/02	1500-12/13
Max. Rec. Temp.	<95 °F	100 °F	175 °F	190 °F
Equip. | Location	7644 | F.M.	7644 | F.M.	7644 | F.M.	7644 | F.M.
Recorded By	RANGE	RANGE	RANGE	RANGE
Witnessed By Mr.	JUDY	JUDY	STRONG-BALEARD	GARDINEP

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

Run No.	ONE	TWO	THREE	FOUR
Service Order No.	19326	19328	19332	19303
Fluid Level	FULL	FULL	FULL	FULL
Speed F.P.M.				
Salinity ppm. cl				
EQUIPMENT DATA				
Panel	460	460	460	460
Cartridge	119	119	119	119
Sonde	83	83	83	83
Memorizer Panel	340	340	340	340
Centralizer Type	FIN	FIN	FIN	NONE
Stand-off - Inches	1.5"	1.5"	1.5"	-
G.R. Panel	340	340	340	340
G.R. Cartridge	127	127	127	127
CALIBRATION DATA				
ILD Sonde Error				
ILM Sonde Error				
G.R. Background				
G.R Source				
T.C. - Cal.				
LOGGING DATA				
ILD Sonde Error				
ILM Sonde Error				
G.R. Scale per 100 Div.				
G.R. - T.C. - Log				

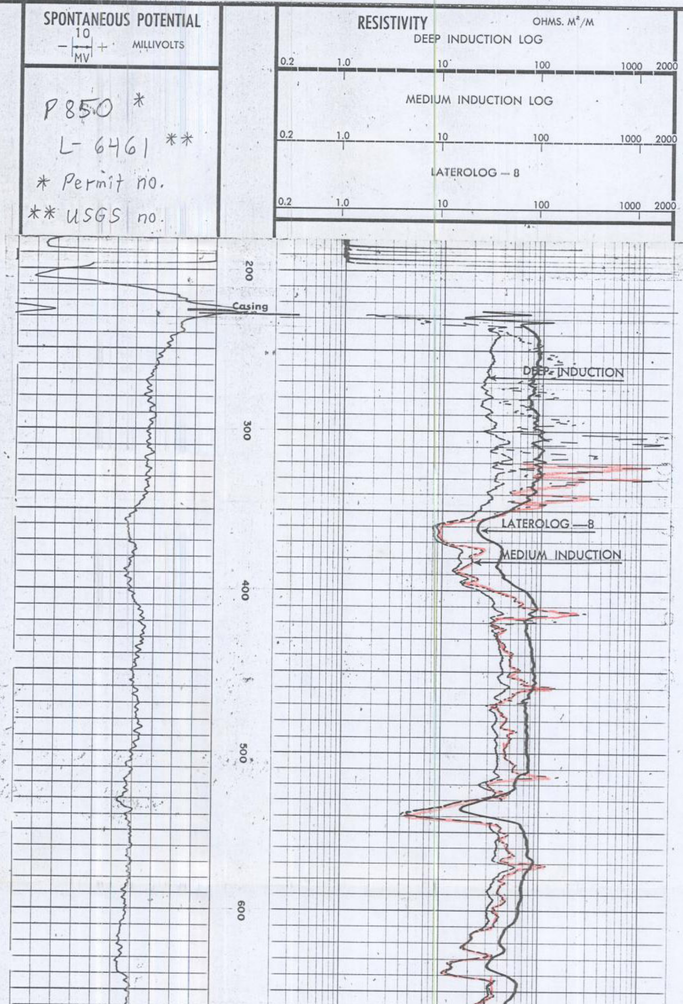
SCALE CHANGES

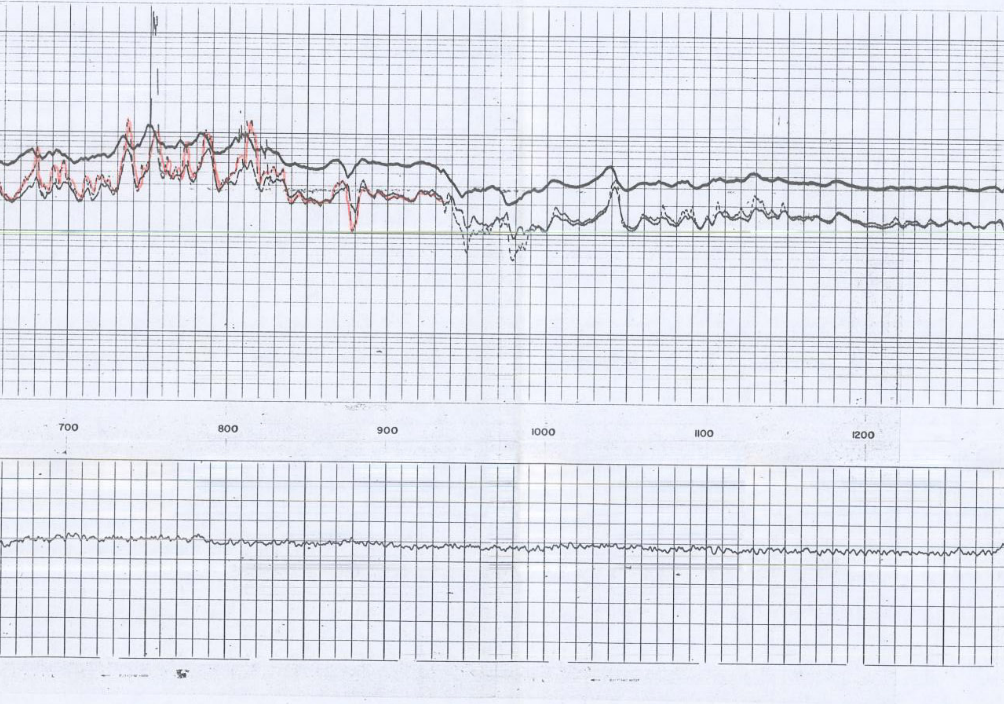
Type Log	Depth	Scale Up Hole	Scale Down Hole
SP	3606	-10+	-20+
GR	3606		0-100

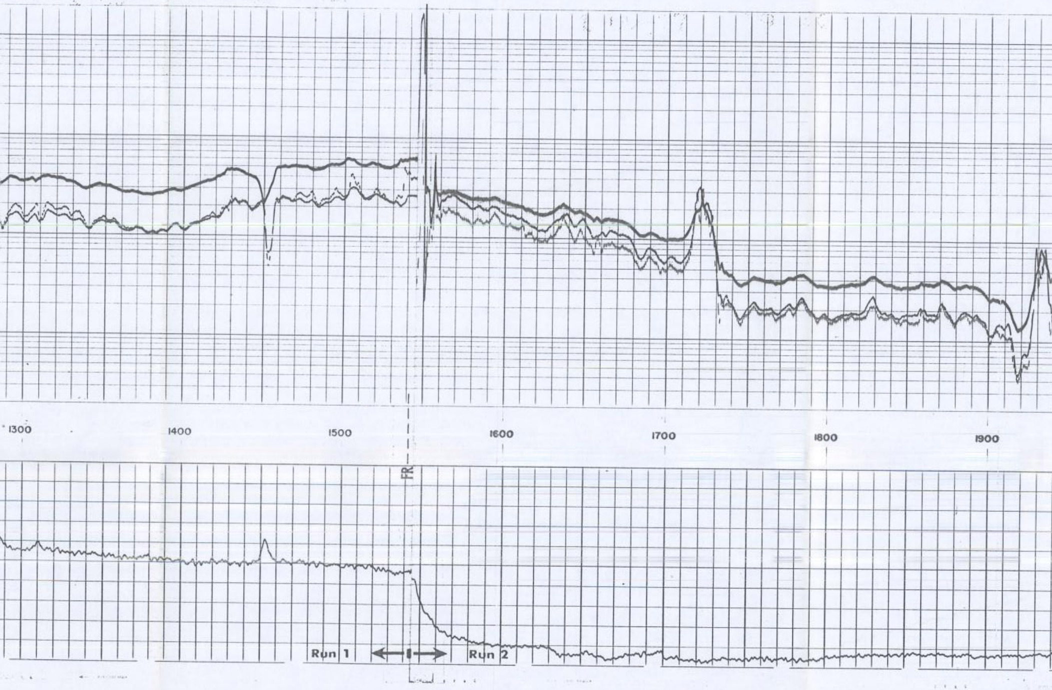
REMARKS

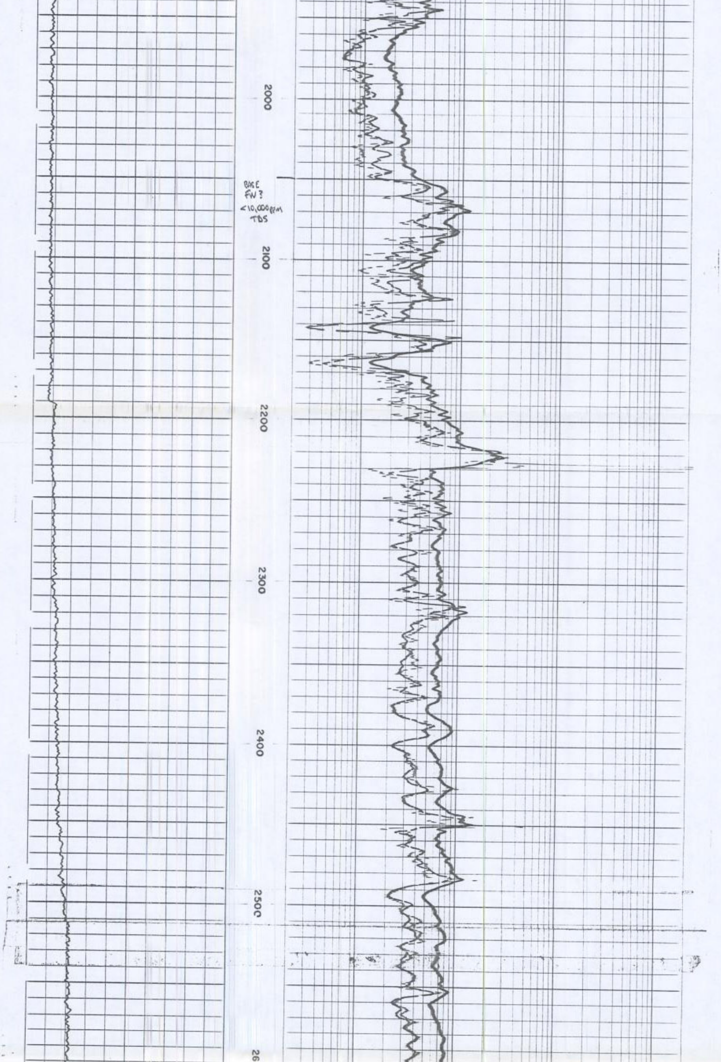
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 4 of our General Terms and Conditions as set out in our current Price Schedule.

P850 *
L-6461 **
* Permit no.
** USGS no.

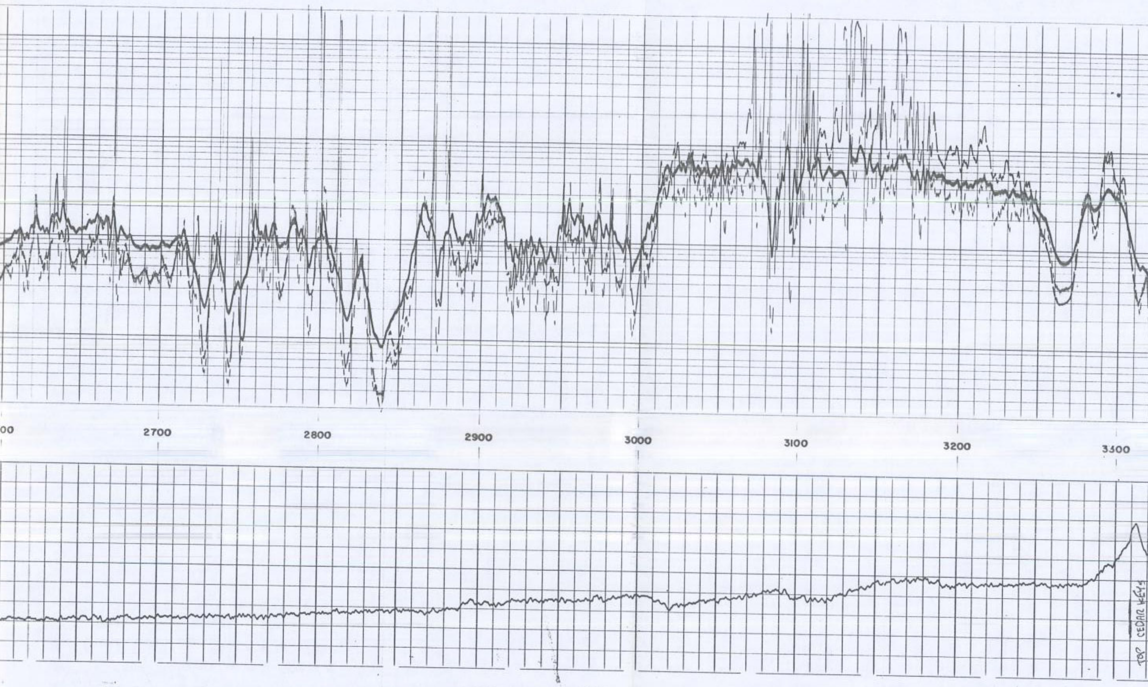


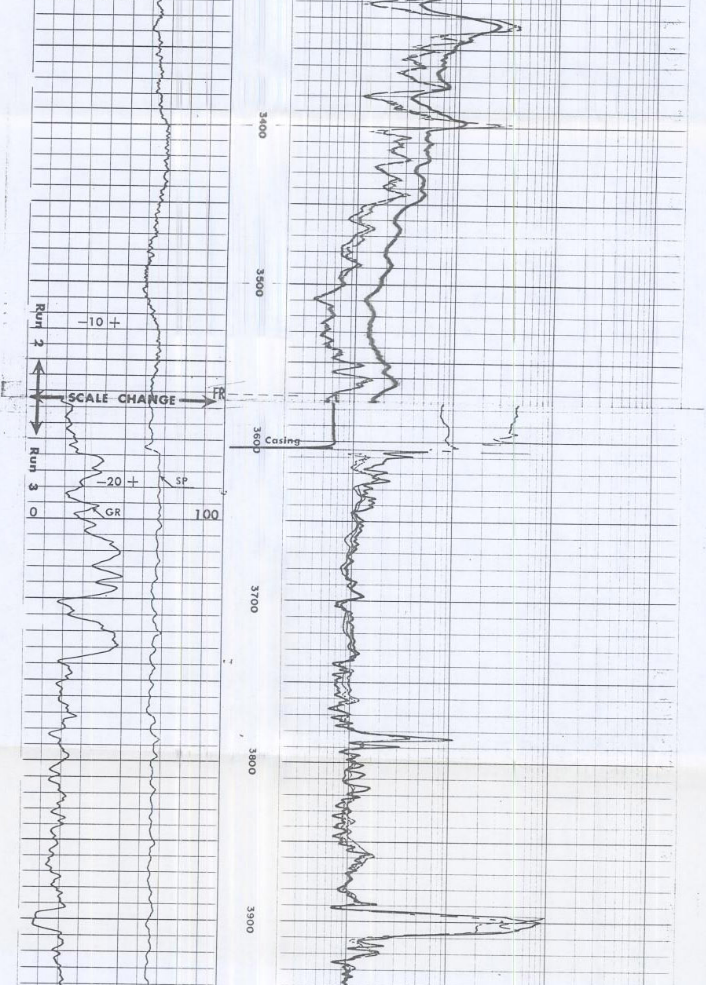


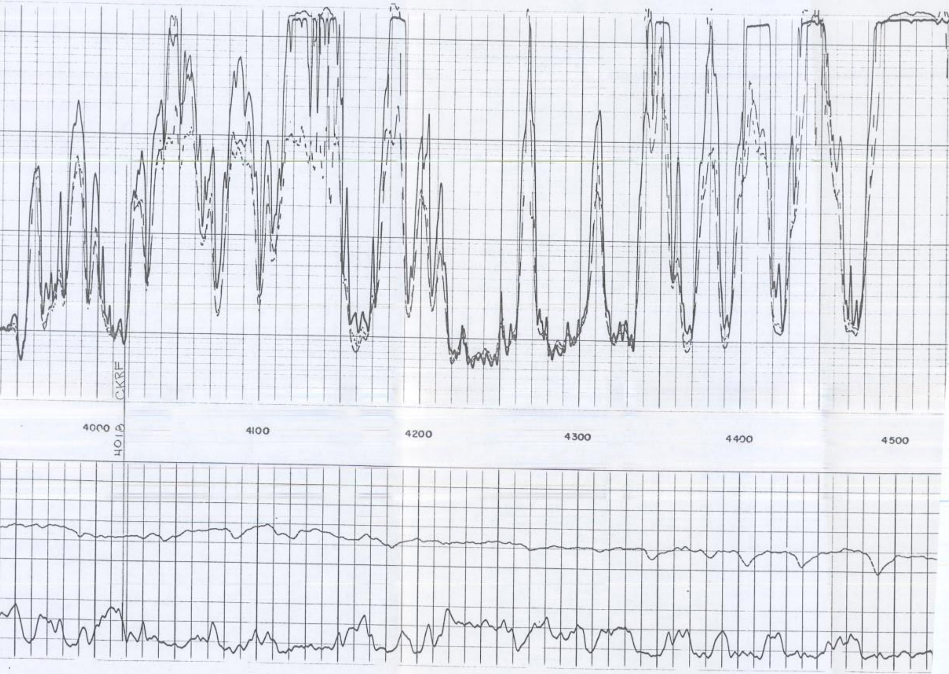




BASE
FW?
<10,000 ppm
TDS







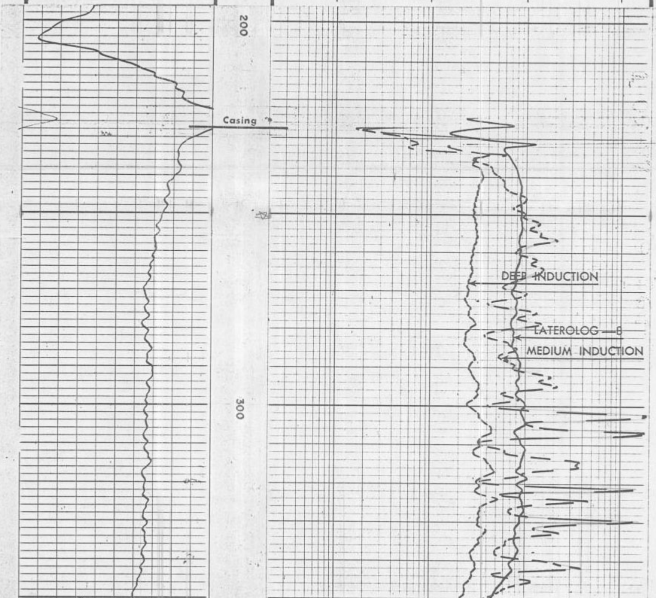
COMPANY EXXON COMPANY, U.S.A
WELL CONSOLIDATED TOMOKA 23-3 (L-6461)
FIELD LEHIGH PARK
COUNTY LEE STATE FLORIDA

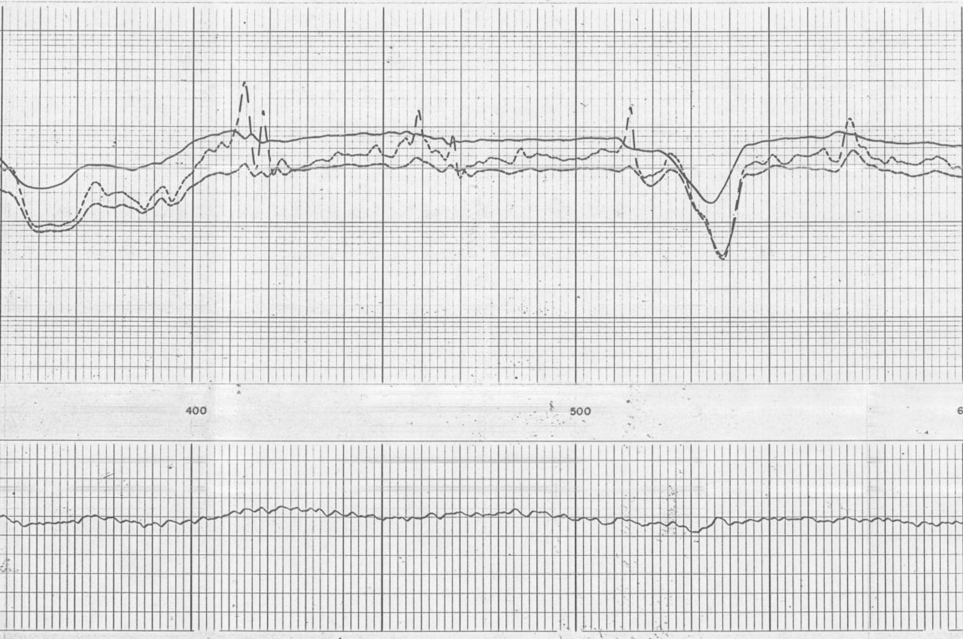
SCHL. FR 12431
SCHL. TD 12437
DRLR TD 12439
Elev:
KB 46.8
DF 46.1
GL 22.0

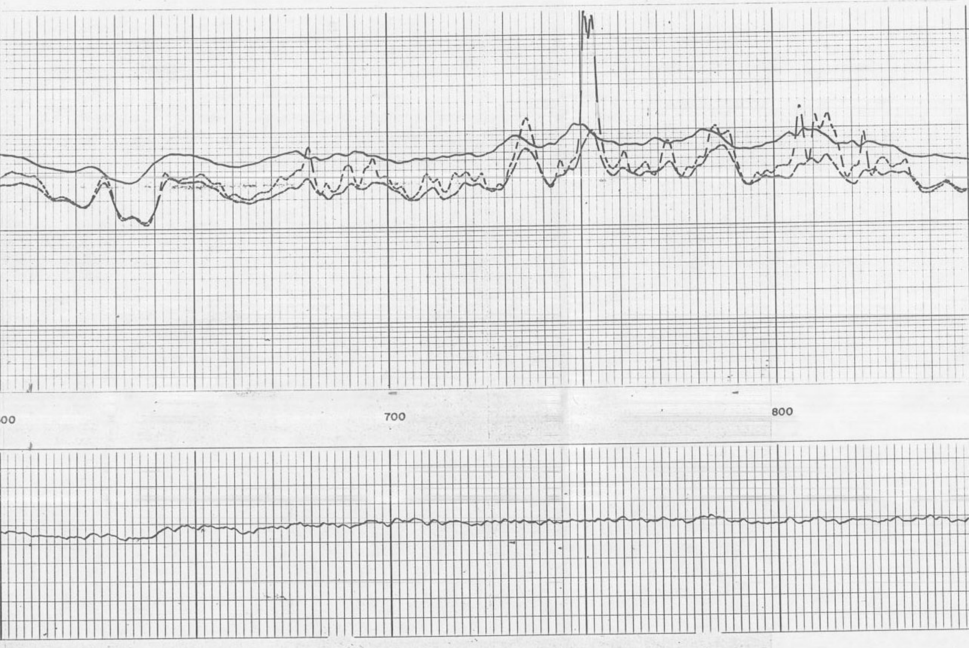
DETAIL LOG

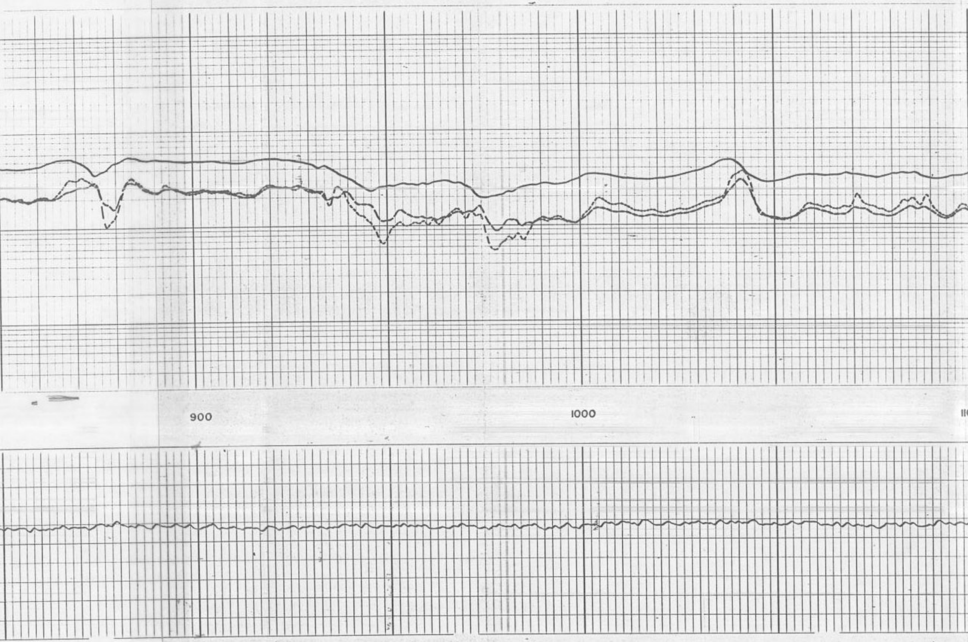
5" = 100'

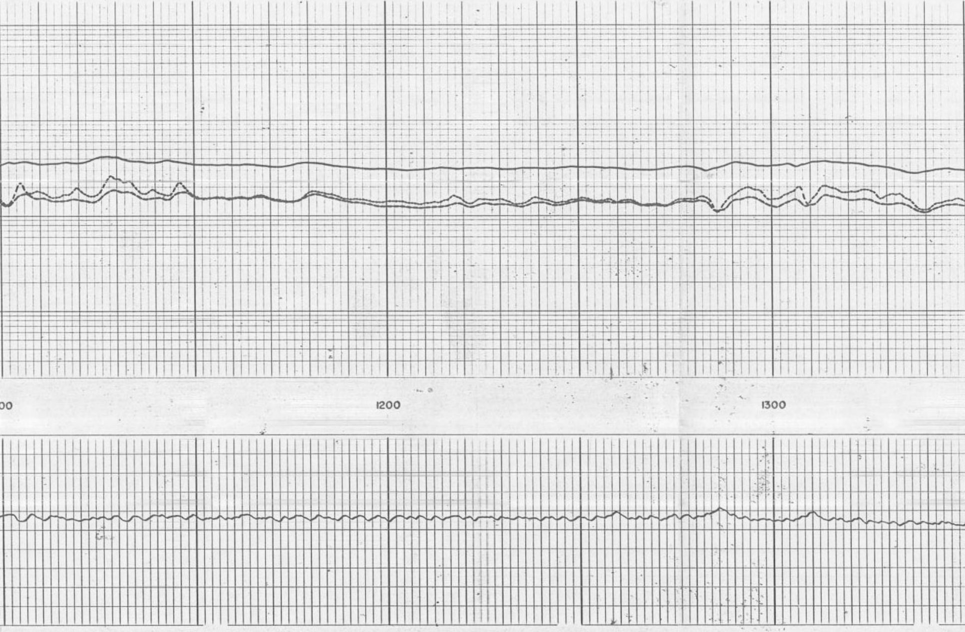
SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	RESISTIVITY OHMS. M²/M
− ⟷ + (10 MV)		LATEROLOG — 8 0.2 1.0 10 100 1000 2000
Permit no. 850 USGS no. L-6461		MEDIUM INDUCTION LOG 0.2 1.0 10 100 1000 2000 DEEP INDUCTION LOG 0.2 1.0 10 100 1000 2000

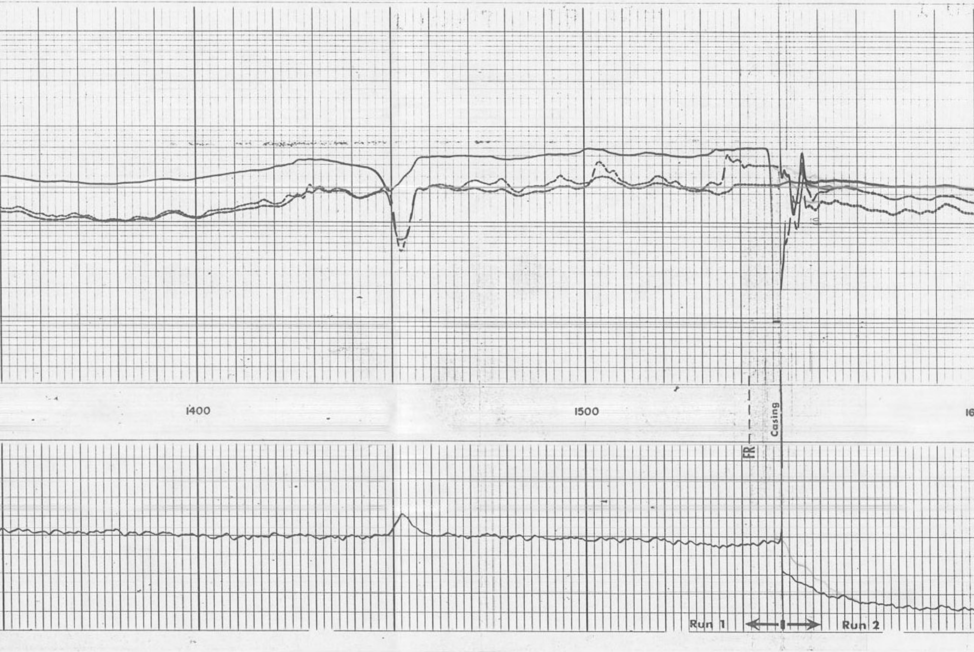


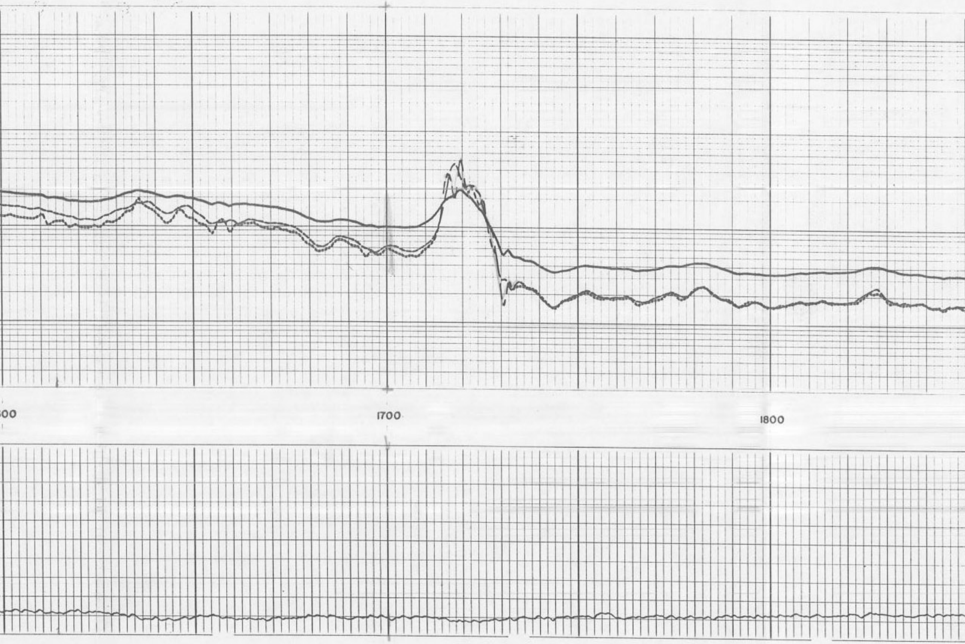


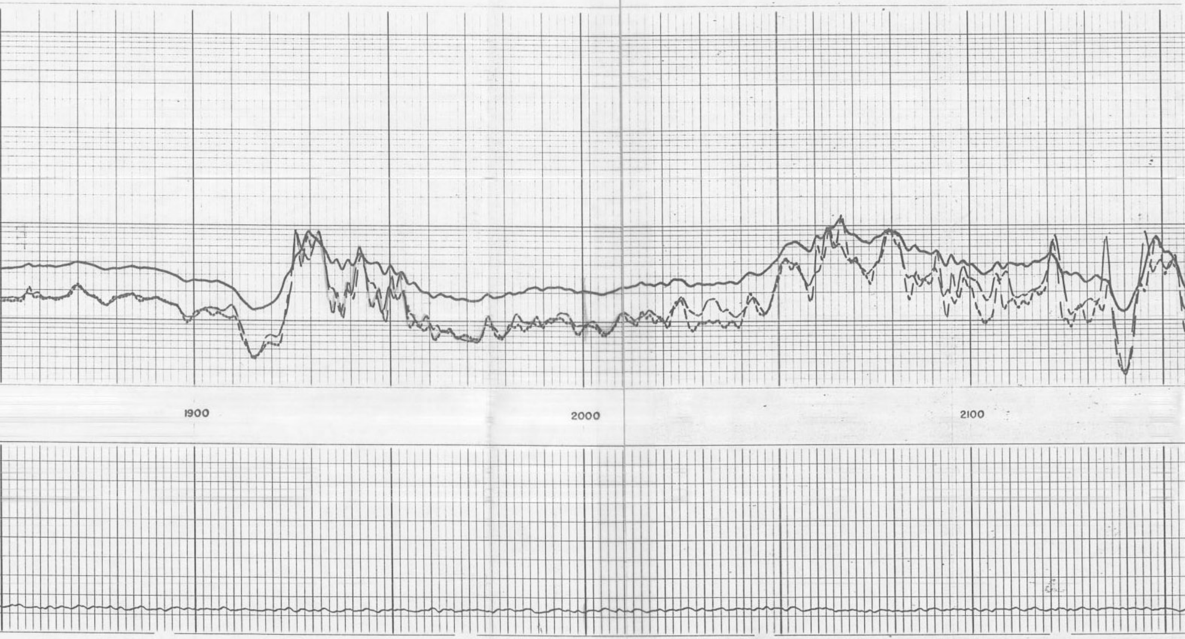


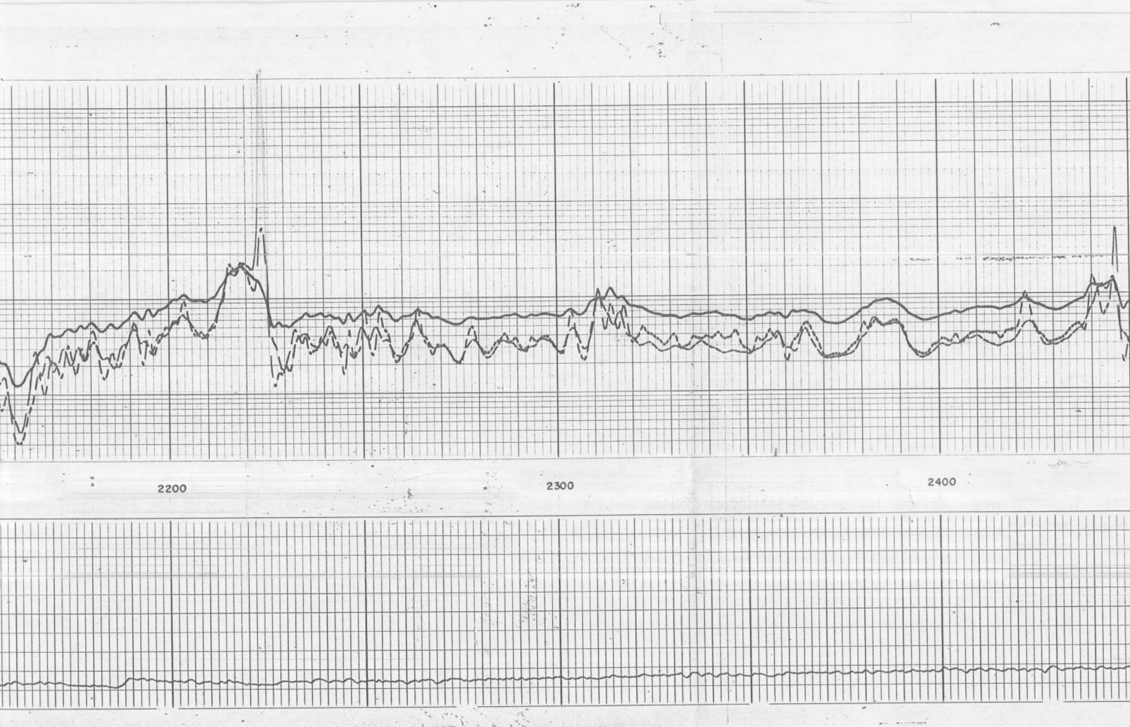


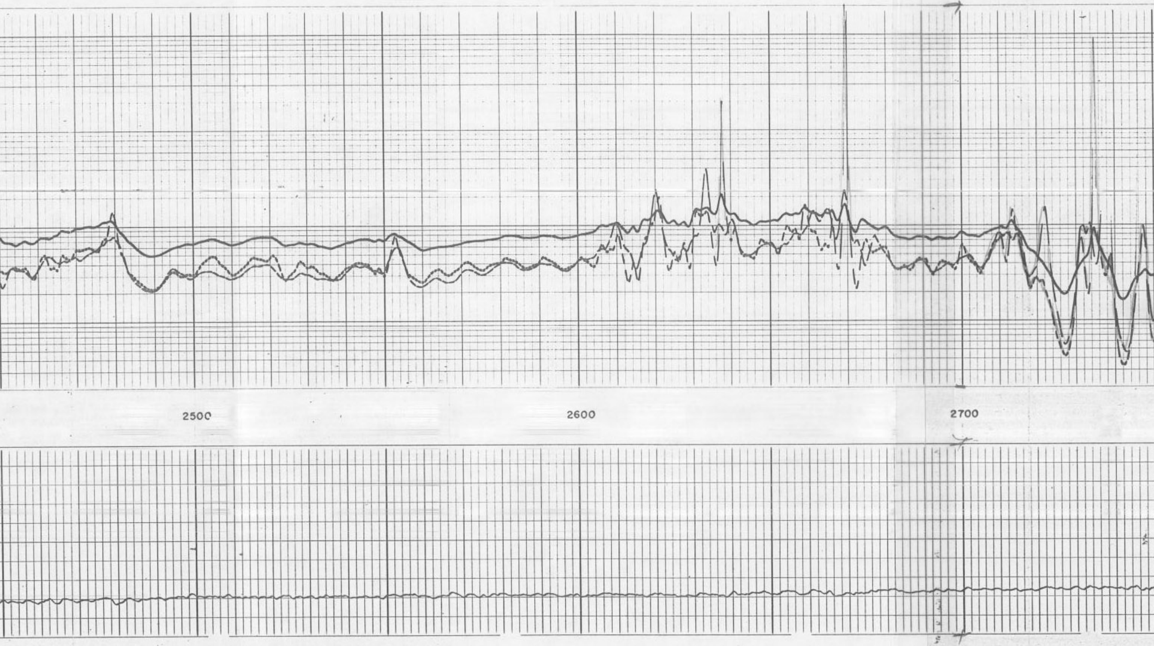


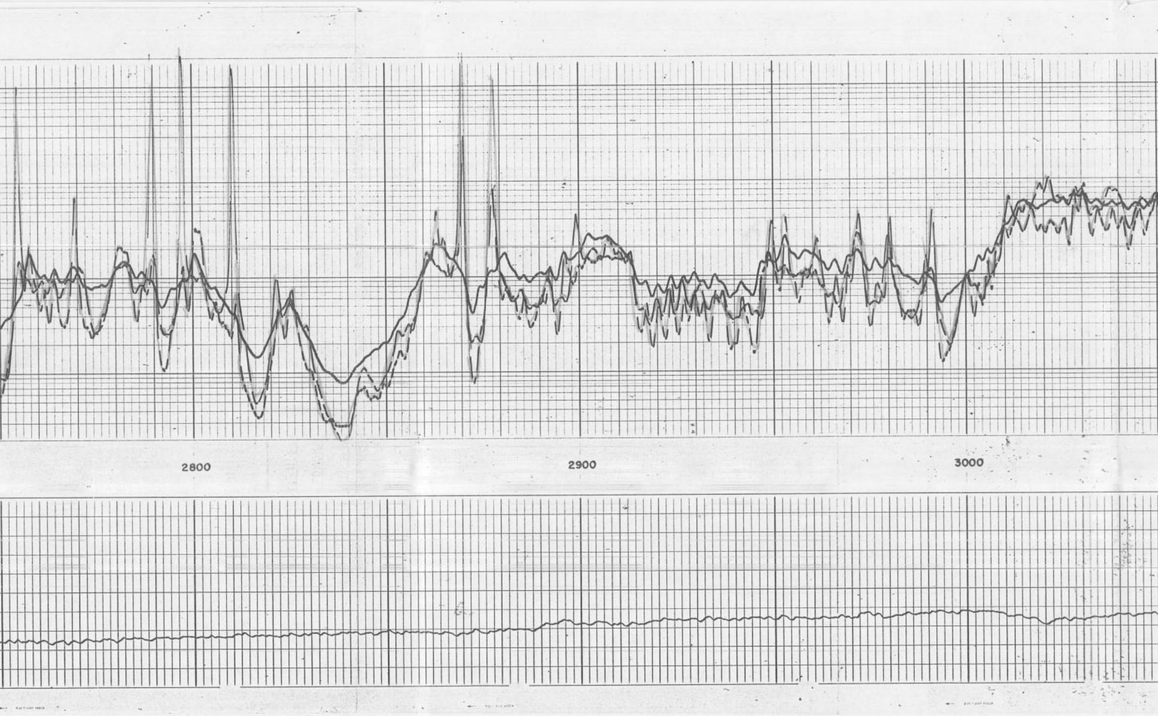


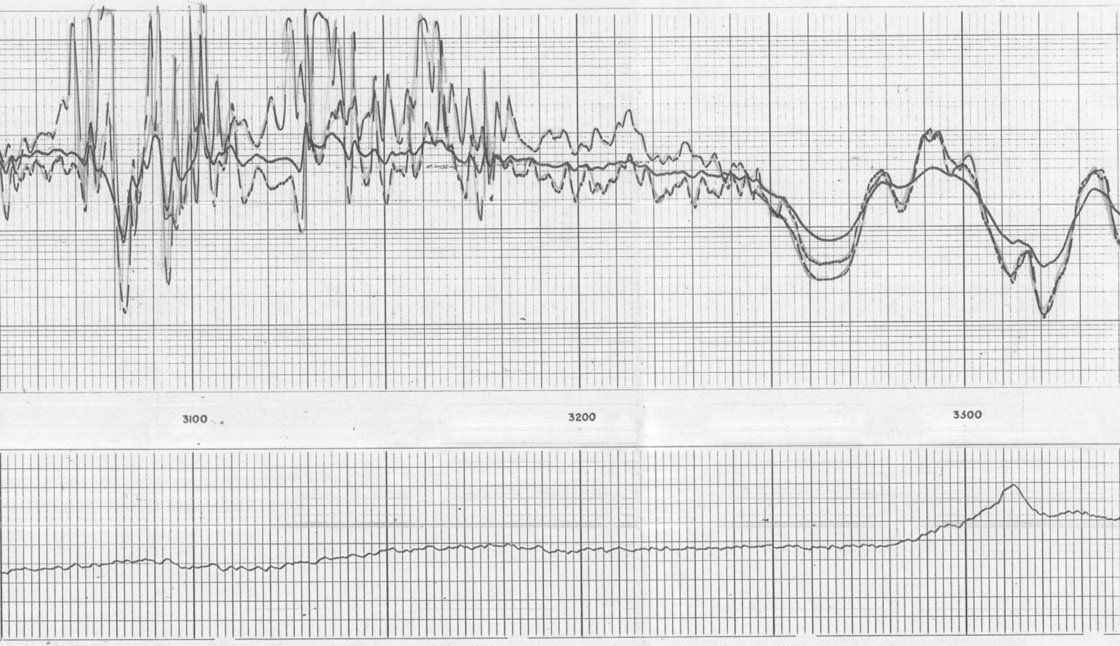


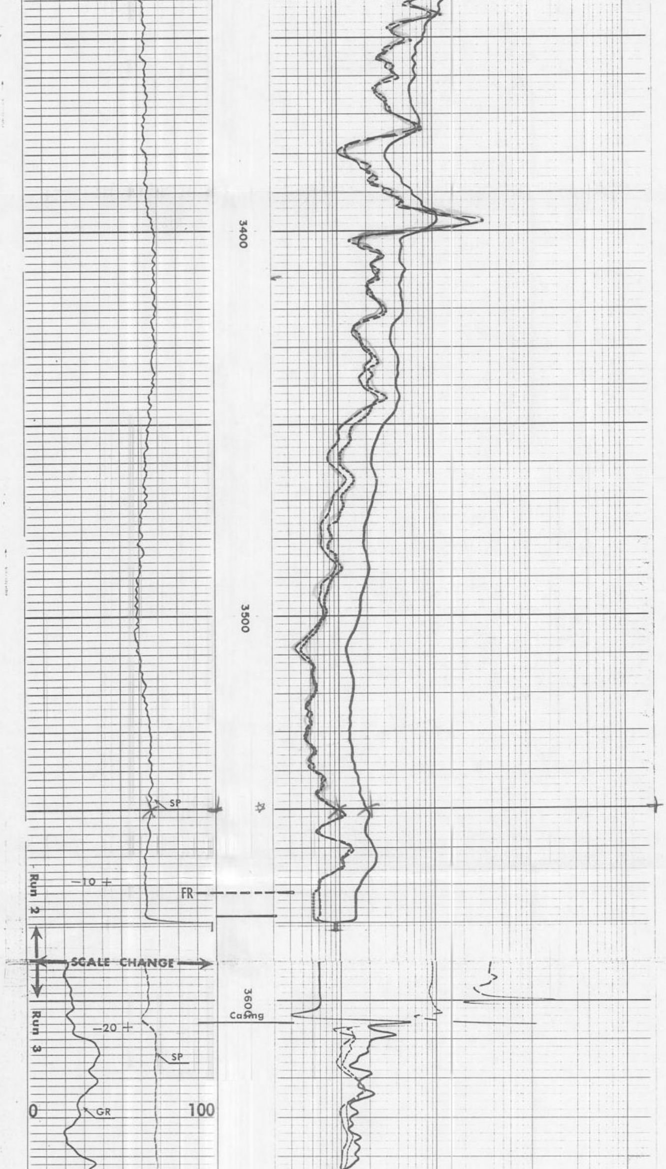


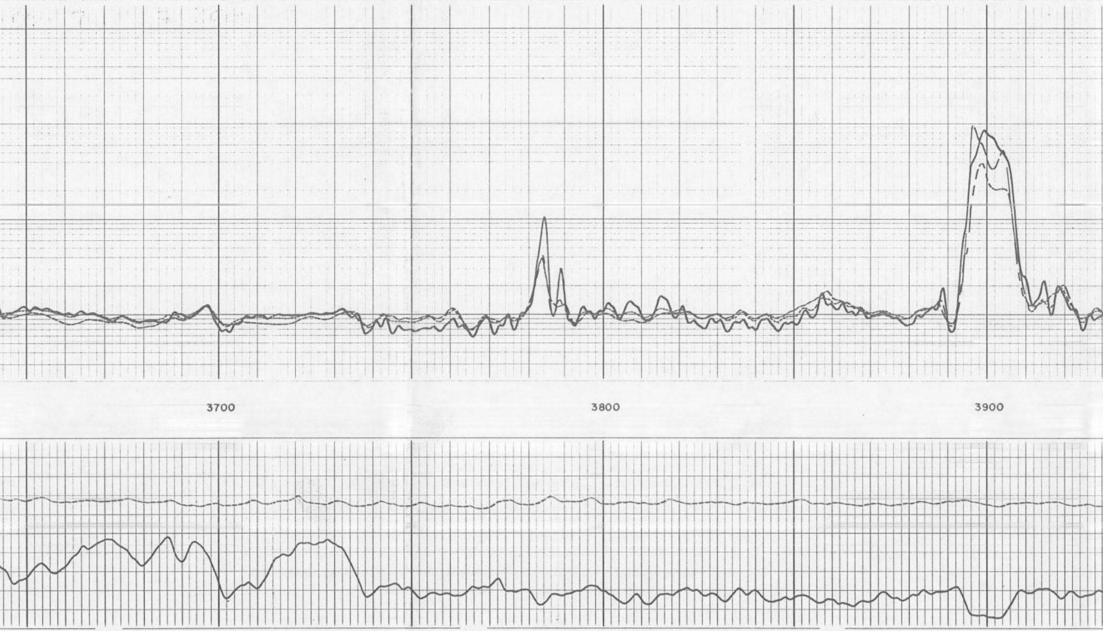


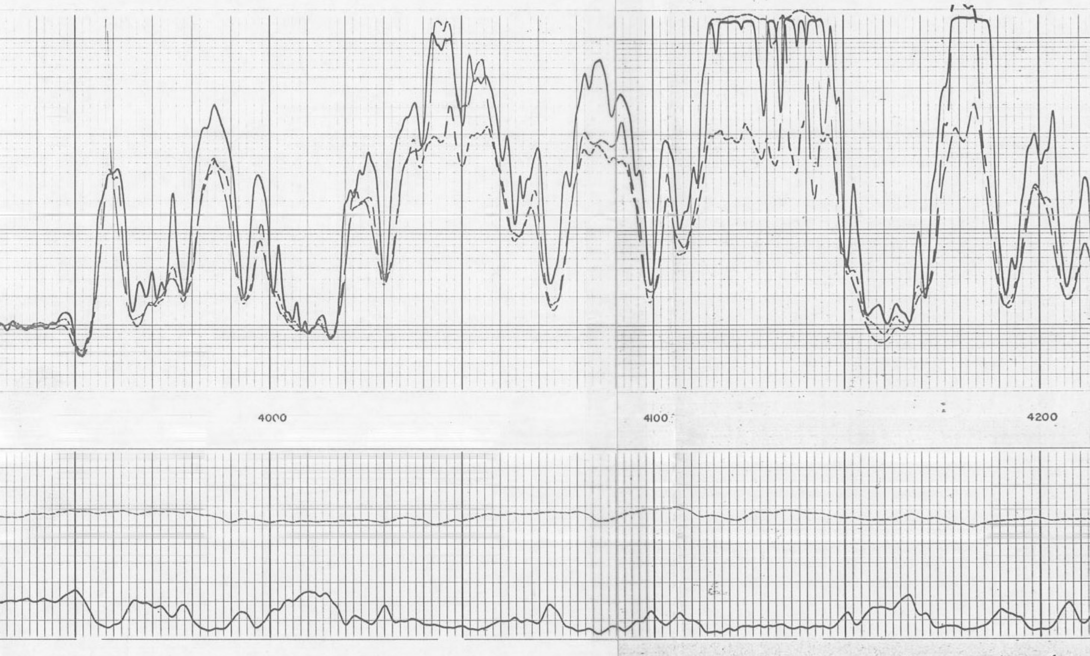


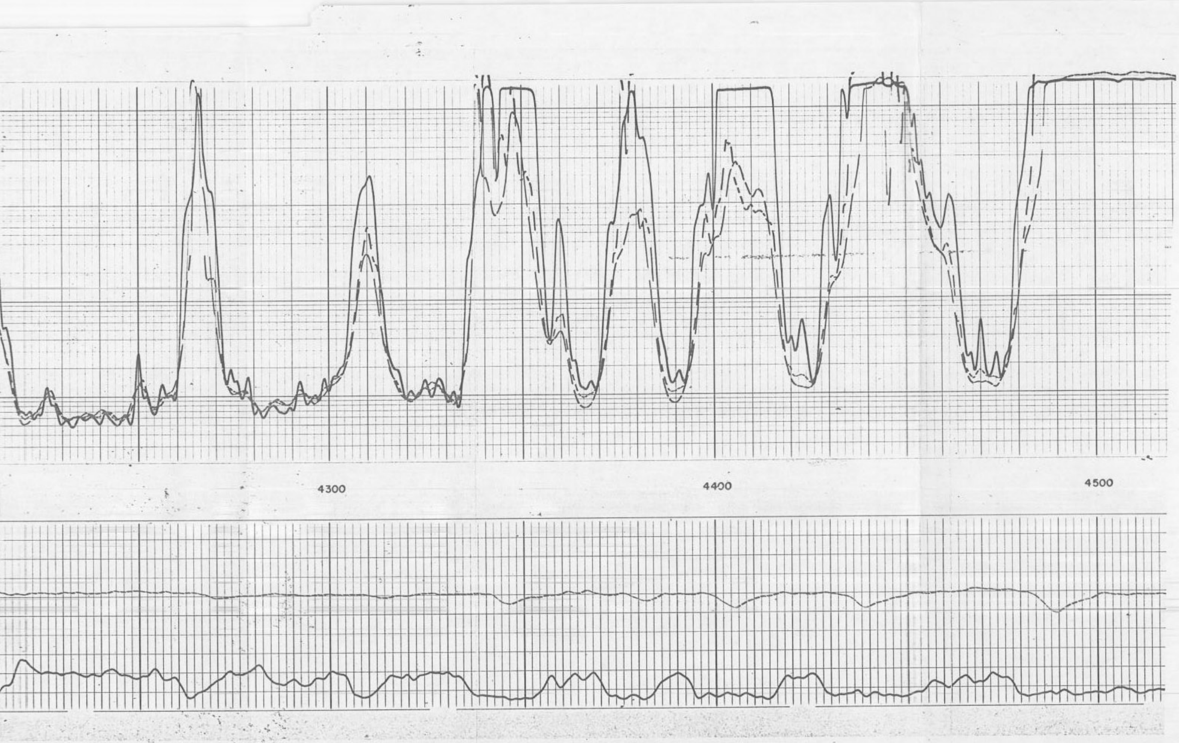












Cl⁻ calculated Permit #850

850
Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY
FIELD
LOCATION
WELL
COMPANY

COMPANY Exxon Company USA
071-27
WELL Consolidated Tomoka 23-3
FIELD Lehigh Park
COUNTY Lee STATE Florida

LOCATION
API SERIAL NO. SEC. 22 TWP 44S RANGE 26E
Other Services: DIL

Permanent Datum: Ground Level ; Elev.:
Log Measured From KB Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B.
D.F. 46.1
G.L. 22.0

Date	10-17-76	10-29-76		
Run No.	One	Two		
Depth—Driller	1656	3600		
Depth—Logger (Schl.)	1550	NR		
Btm. Log Interval	1542	3674		
Top Log Interval	228	1550		
Casing—Driller	20" @ 228	13⅜ @ 1550	@	@
Casing—Logger	228	1550		
Bit Size	17½	12¼		
Type Fluid in Hole	Gel Slurry	Water		
Dens. | Visc.	8.9 | 40	No		
pH | Fluid Loss	11.5 | NC ml	ml	ml	ml
Source of Sample	Flowline	Returns		
Rm @ Meas. Temp.	4.5 @ 75 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	— | —			
Rm @ BHT	@ 95 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	0030			
TIME Logger on Bottom	0400			
Max. Rec. Temp.	≤95 °F	100 °F	°F	°F
Equip. | Location	7644 | Ft Myers	27644		

FLORIDA GEOLOGICAL SURVEY
2295 VICTORIA AVENUE, SUITE 179
FT. MYERS, FLORIDA 33901

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

HERE

No.
Service Order No.
Level

EQUIPMENT DATA
Panel No.
Cart No.
Sonde No.
Panel No.
Cart. No.
Panel No.
er No.
No.
alizers: No.
Type
offs: No.
Type
Const.-Sec.
d - F.P.M.

CALIBRATION DATA
BKG. CPS
R Source CPS
Tc Sec

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Ø Scale	From	To

REMARKS

Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

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 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.

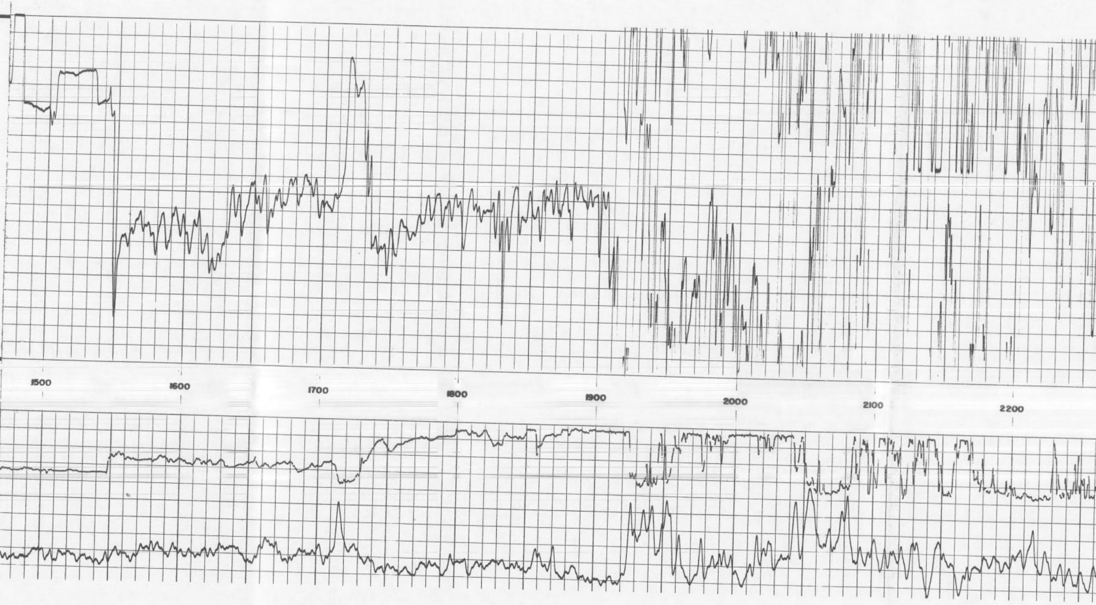
CALIPER DIAM. IN INCHES
0 20

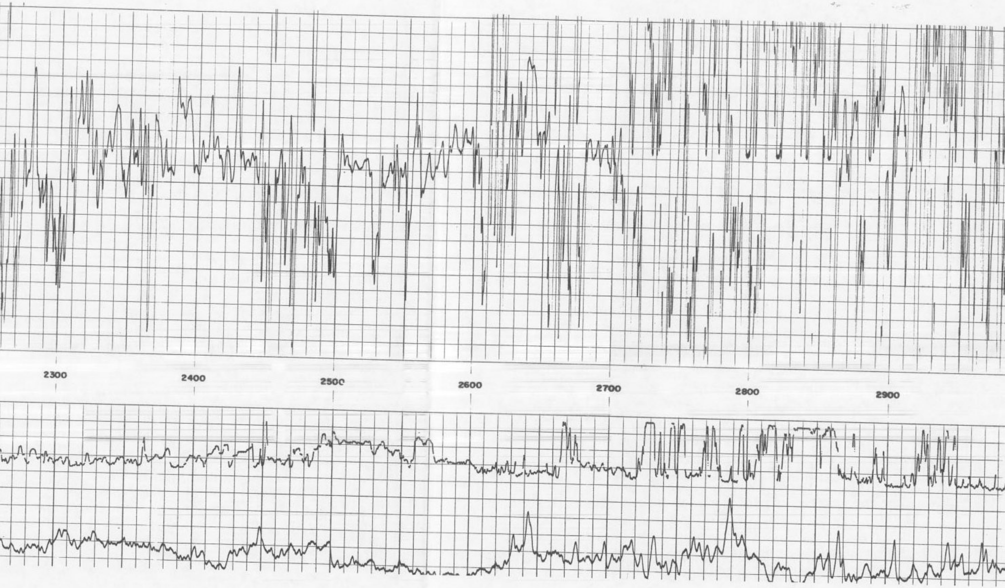
GAMMA RAY API UNITS
0 125

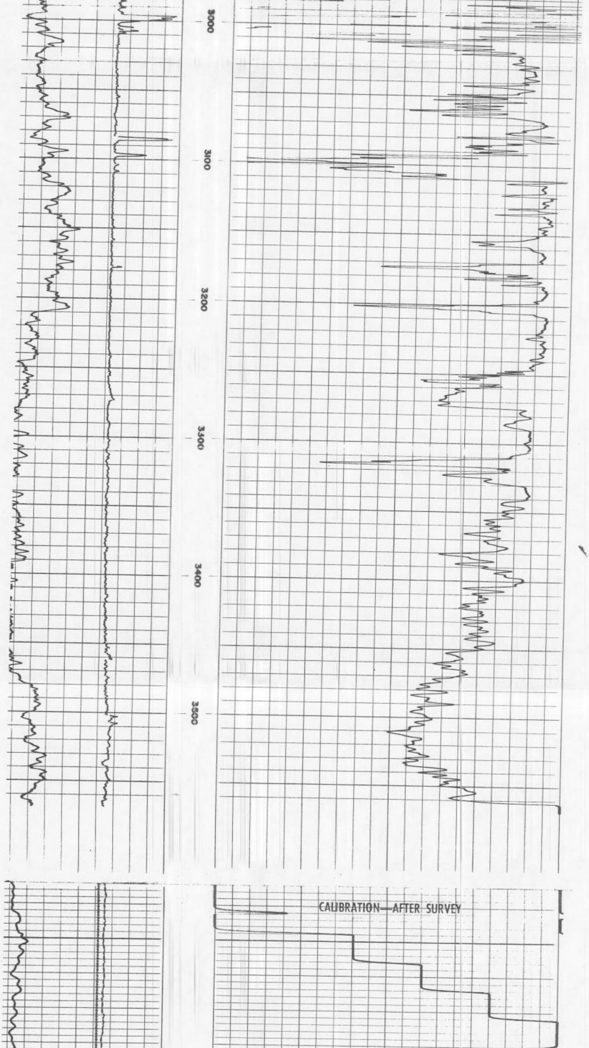
DEPTH

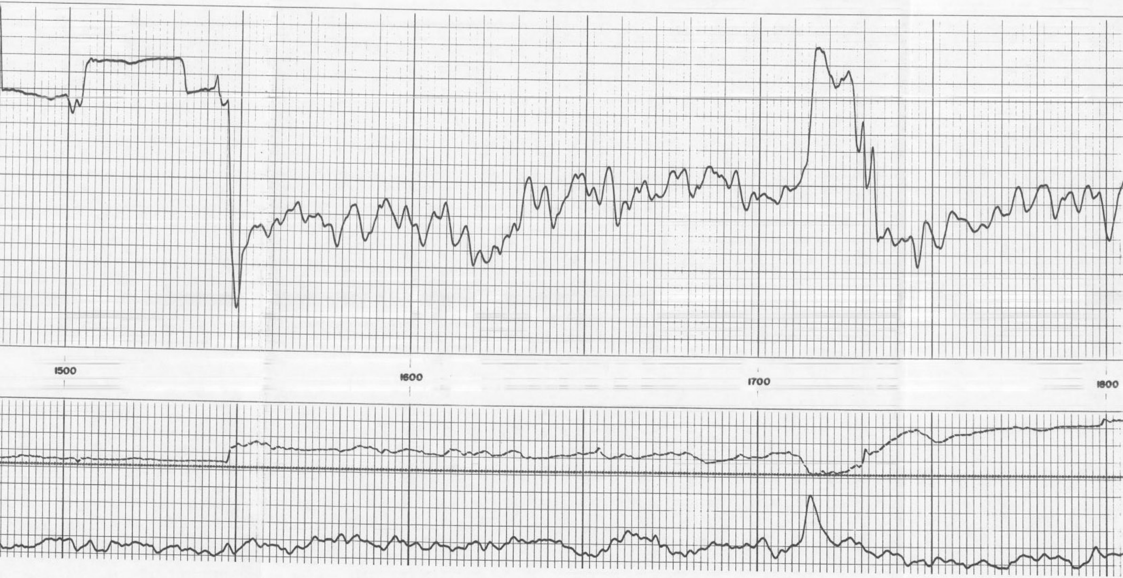
INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T__ R₁__ R₂__
140 90 40

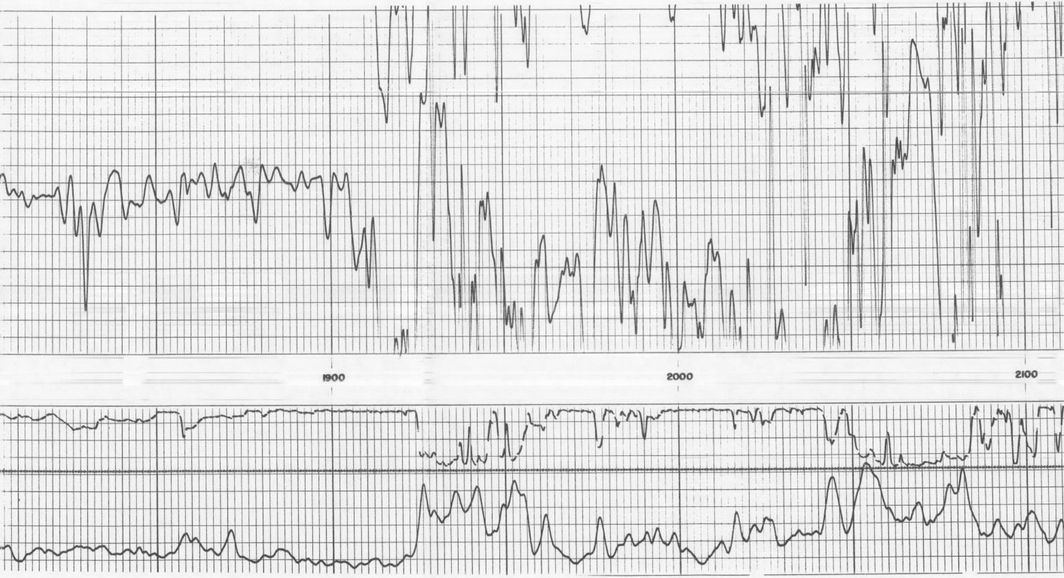
INTERGRATED TRAVEL TIME

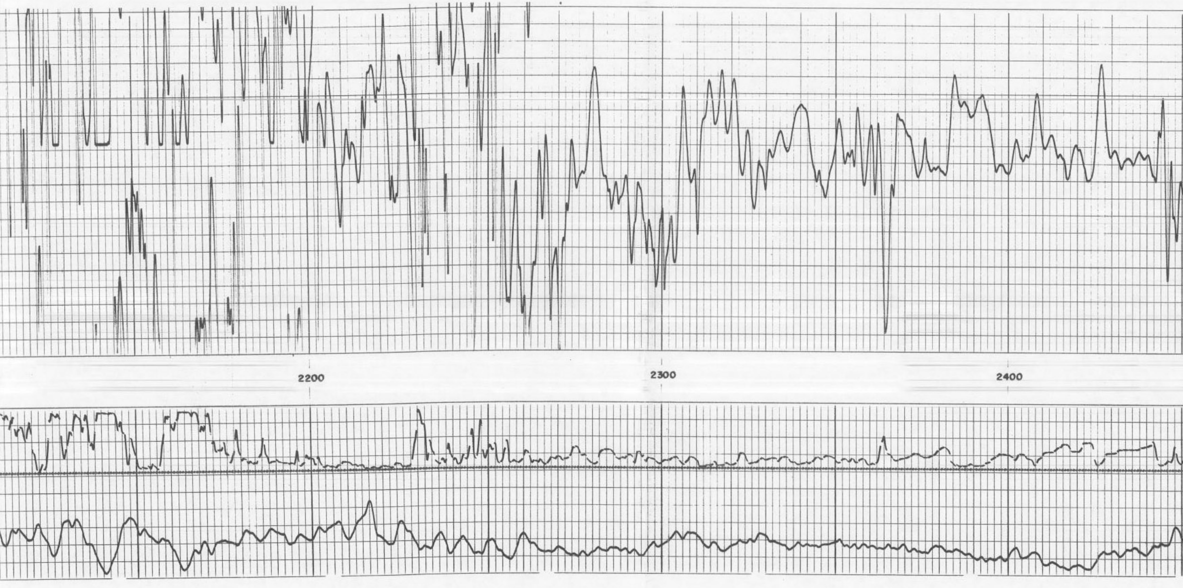


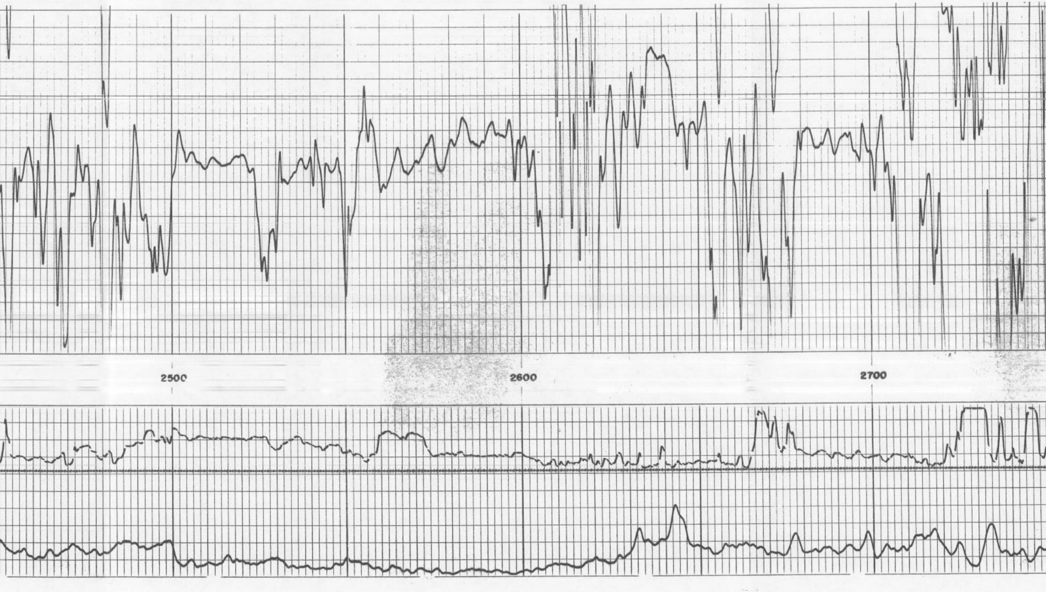


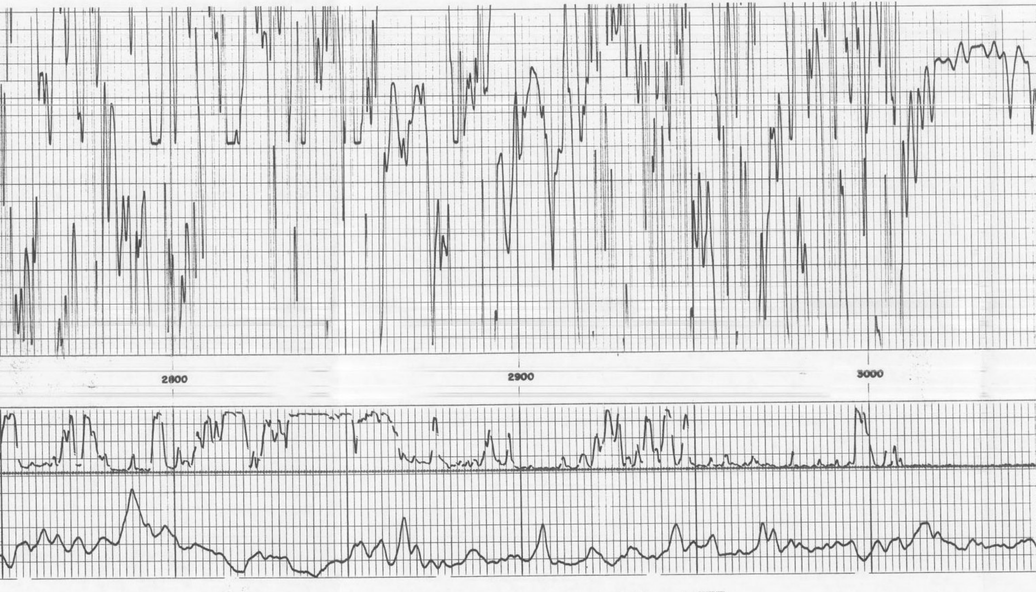


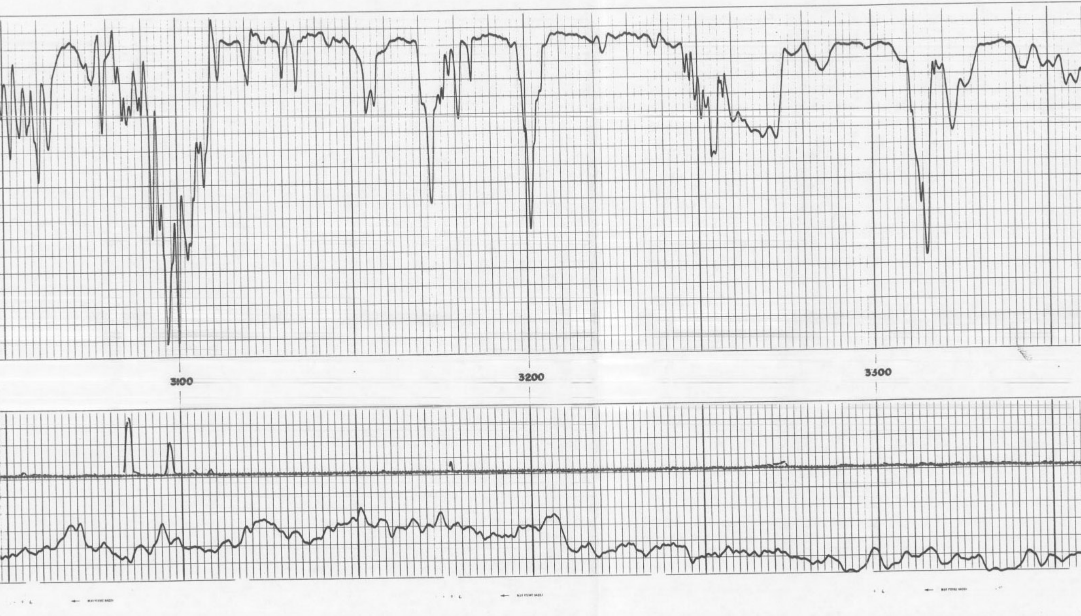


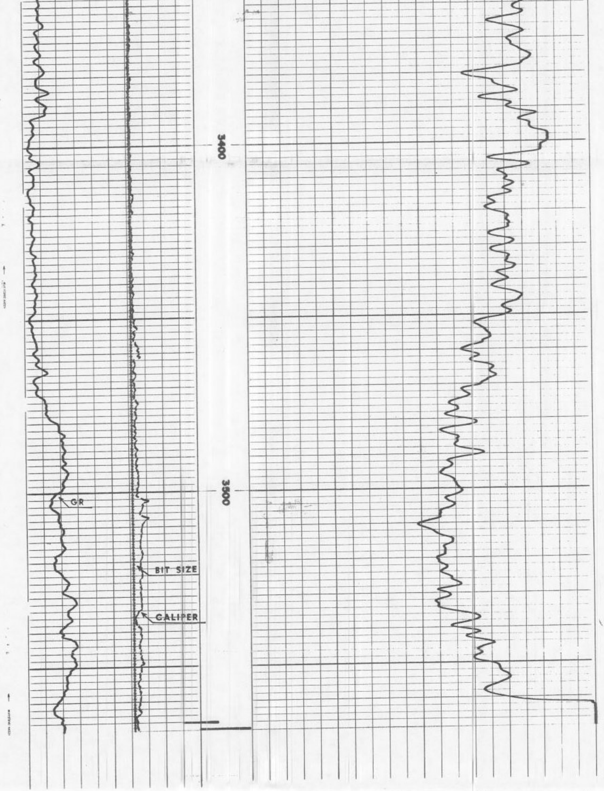


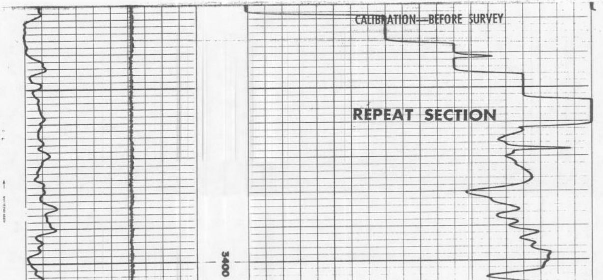


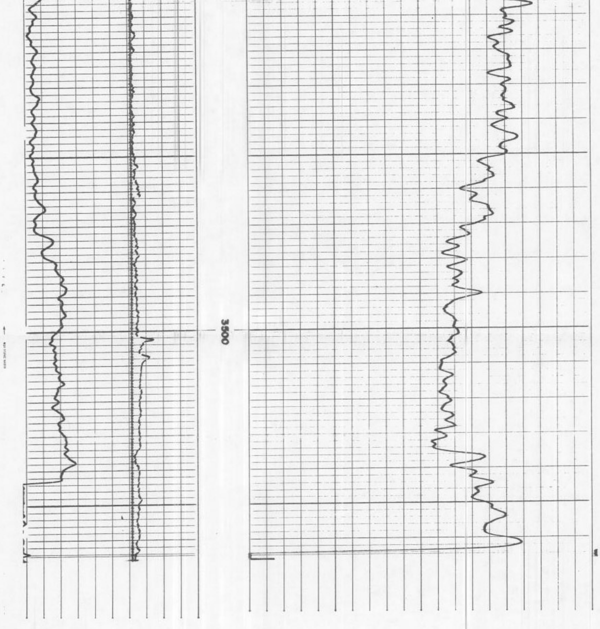












FLORIDA GEOLOGICAL SURVEY
2295 VICTORIA AVENUE, SUITE 179
FT. MYERS, FLORIDA 33901

P 850

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY
FIELD
LOCATION
WELL
COMPANY

COMPANY Exxon Company USA
071-27

WELL Consolidated Tomoka 23-3

FIELD Lehigh Park

COUNTY Lee STATE Florida

LOCATION			Other Services:
API SERIAL NO.	SEC. 22	TWP 44S	RANGE 26E

Other Services: DIL

Permanent Datum: Ground Level ; Elev.:
Log Measured From KB Ft. Above Perm. Datum
Drilling Measured From KB

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

FLORIDA GEOLOGICAL SURVEY
2295 VICTORIA AVENUE, SUITE 179
FT. MYERS, FLORIDA 33901

Date	10-17-76			
Run No.	One			
Depth—Driller	1656			
Depth—Logger (Schl.)	1550			
Btm. Log Interval	1542			
Top Log Interval	228			
Casing—Driller	20"@228	@	@	@
Casing—Logger	228			
Bit Size	17½			
Type Fluid in Hole	Gel Slurry			
Dens. | Visc.	8.9 | 40			
pH | Fluid Loss	11.5 | NC ml	ml	ml	ml
Source of Sample	Flowline			
Rm @ Meas. Temp.	4.5 @ 75 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	— @ — °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	— | —			
Rm @ BHT	@ 95 °F	@ °F	@ °F	@ °F
Circulation Stopped	0030			
Logger on Bottom	0400			
Max. Rec. Temp.	≤95 °F	°F	°F	°F
Equip. | Location	7644 | Ft Myers			
Recorded By	Range			
Witnessed By Mr.	Jordy			

FOLD HERE

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

Run No.				
Service Order No.				
Fluid Level				

EQUIPMENT DATA

Sonic Panel No.				
Sonic Cart No.				
Sonic Sonde No.				
Mem. Panel No.				
G.R. Cart. No.				
G.R. Panel No.				
Caliper No.				
TTR No.				
Centralizers: No.				
Type				
Standoffs: No.				
Type				
Time Const.-Sec.				
Speed - F.P.M.				

CALIBRATION DATA

GR	BKG. CPS				
	Source CPS				
	Tc Sec				

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δt_m	Δt_f	Cp	Ø Scale	From	To

REMARKS

$$\text{Velocity (ft/sec)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

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 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 DIAM. IN INCHES

GAMMA RAY API UNITS

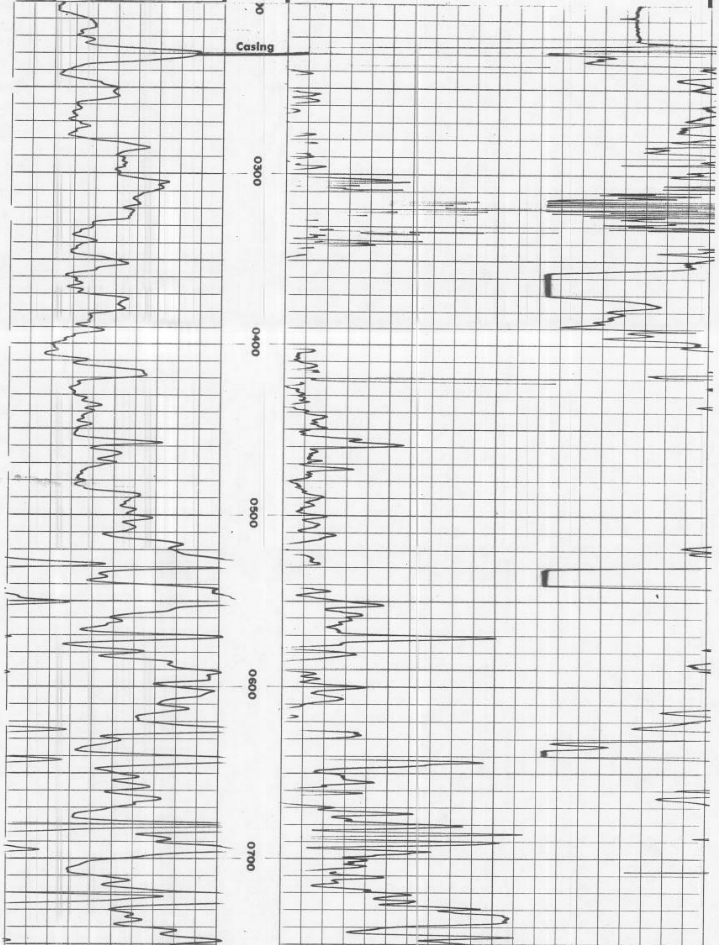
0 125

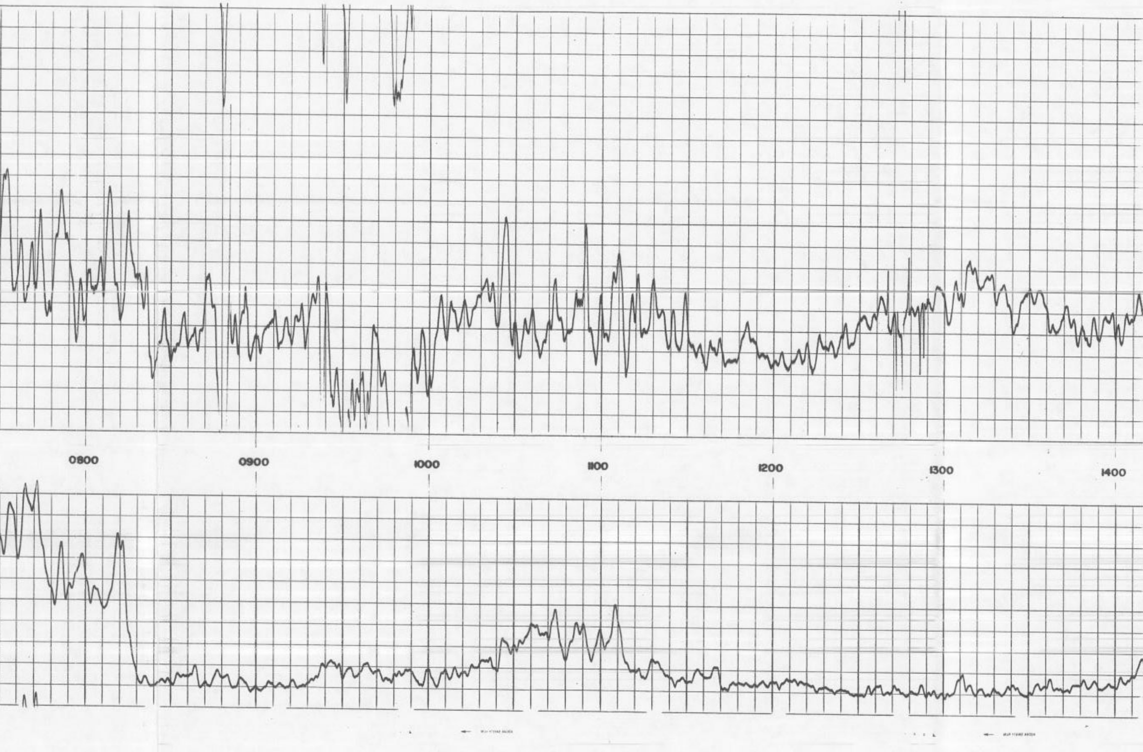
DEPTH

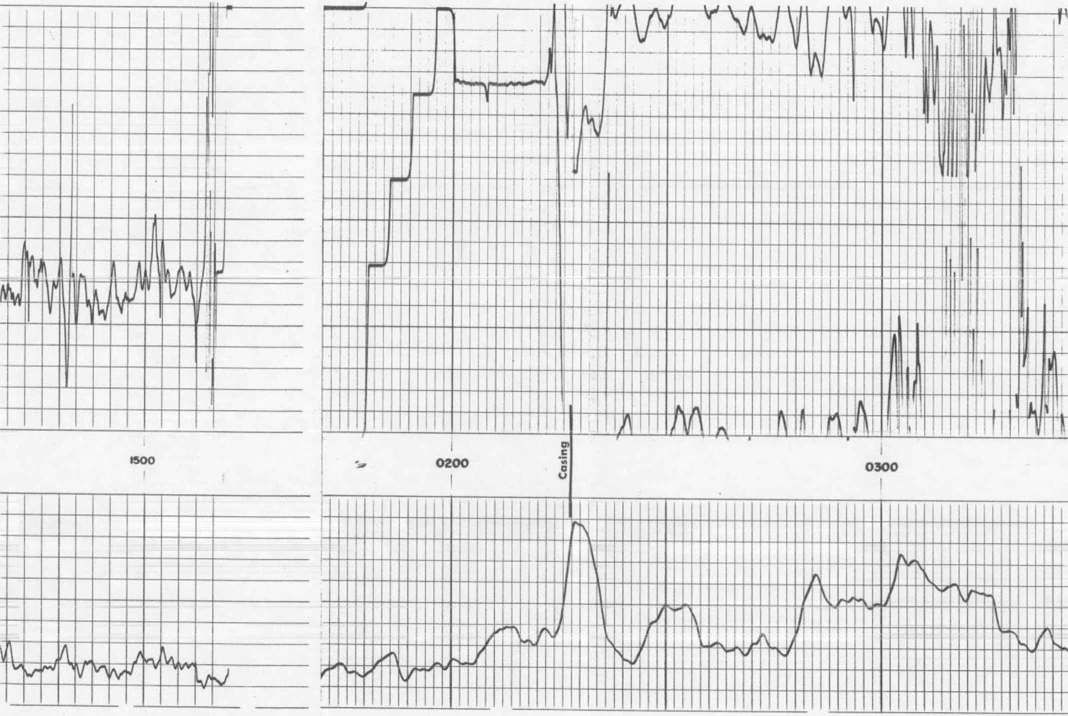
INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T__ R1__ R2__

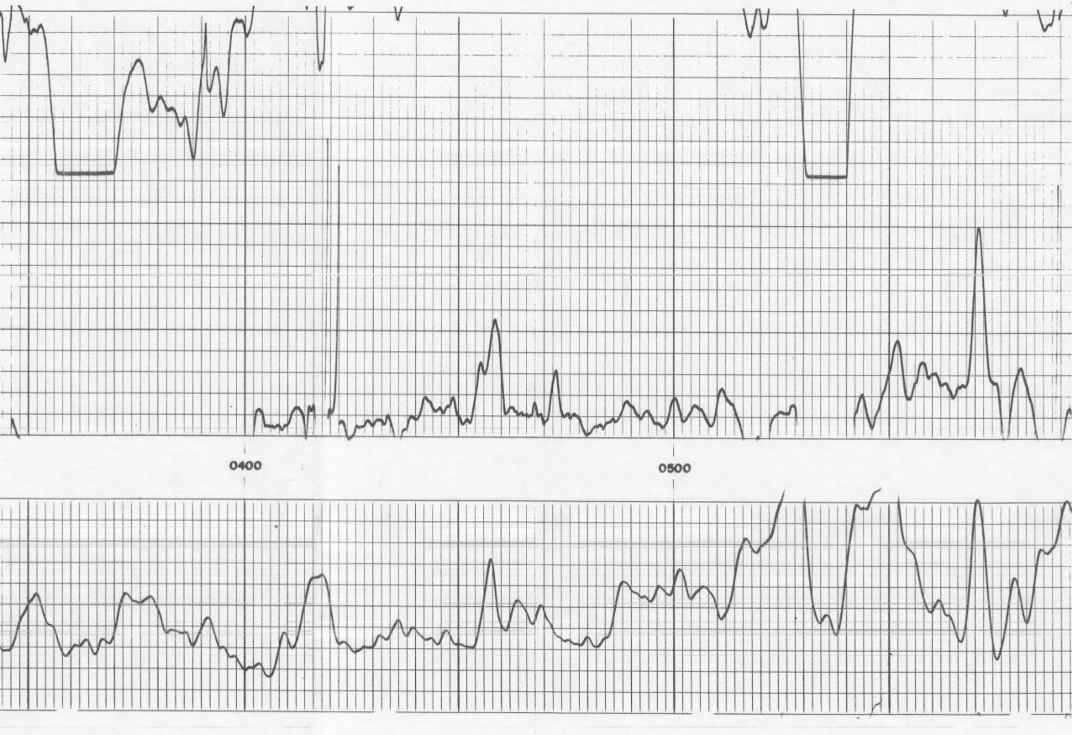
140 90 40

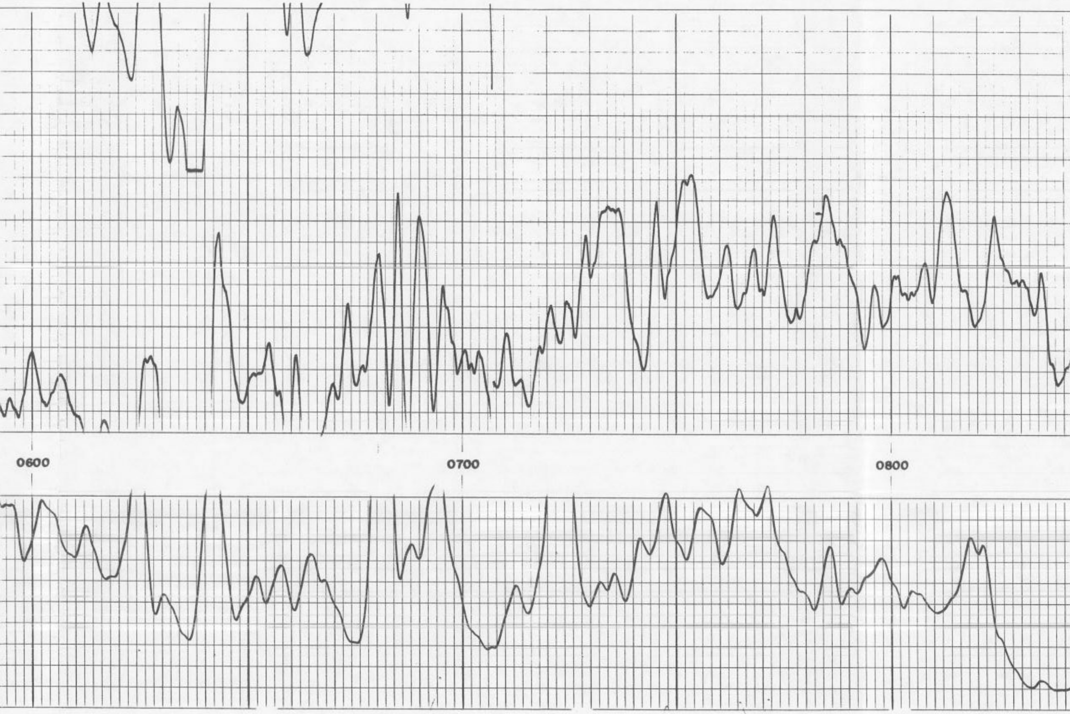
INTERGRATED TRAVEL TIME

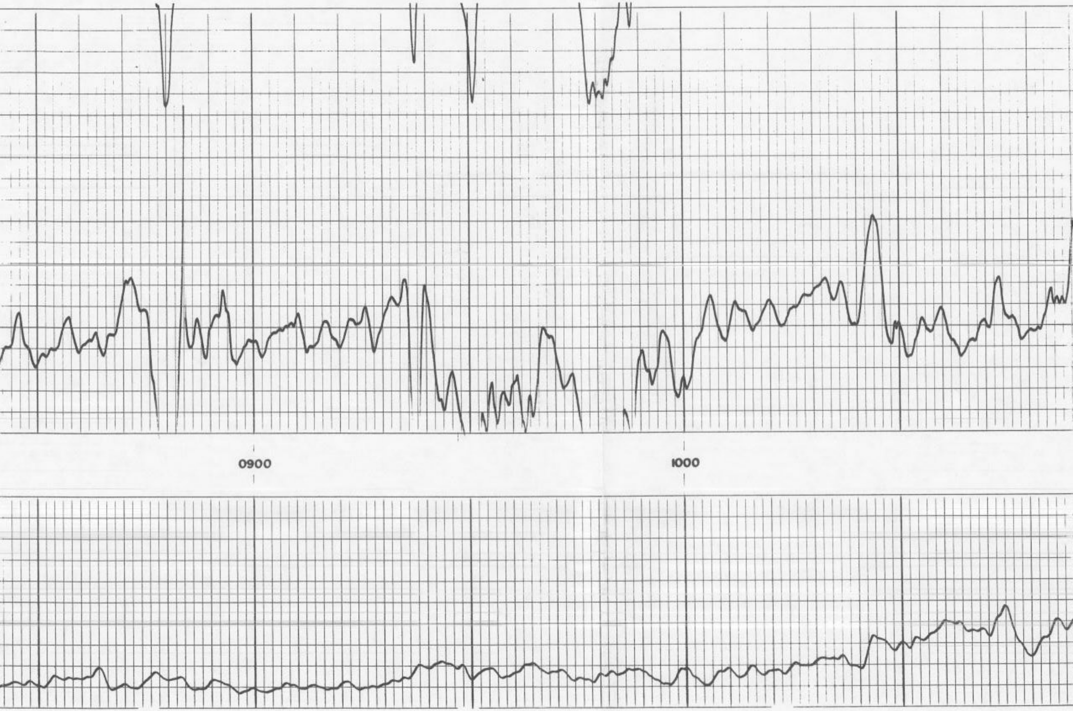


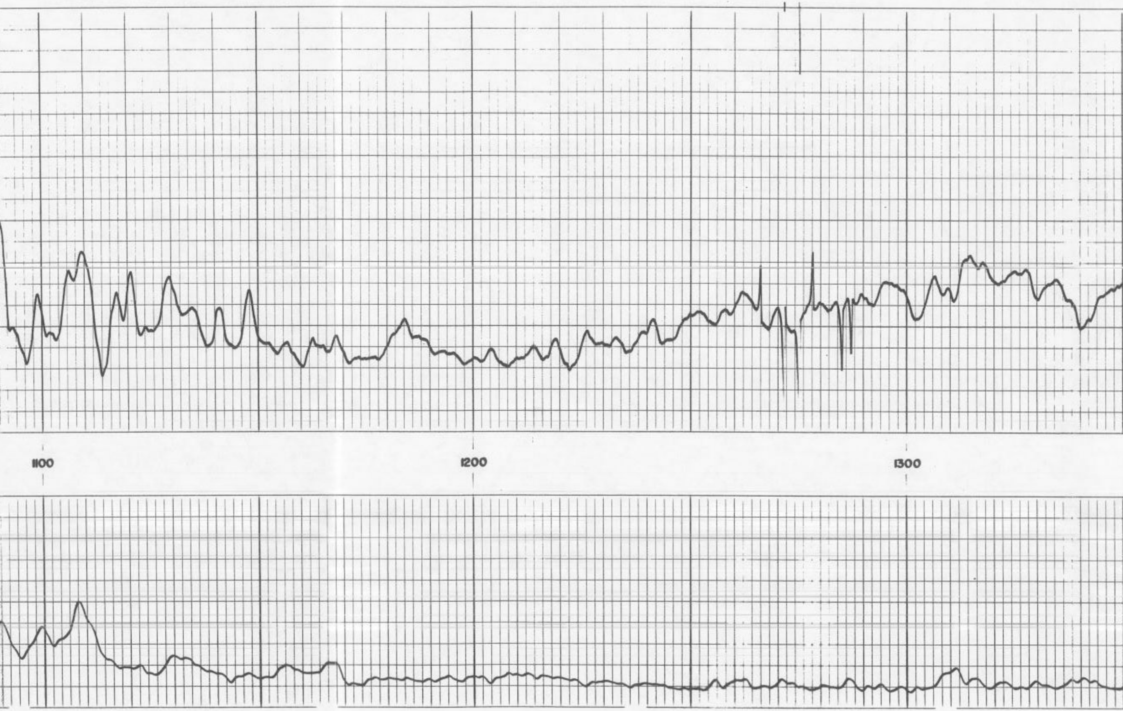


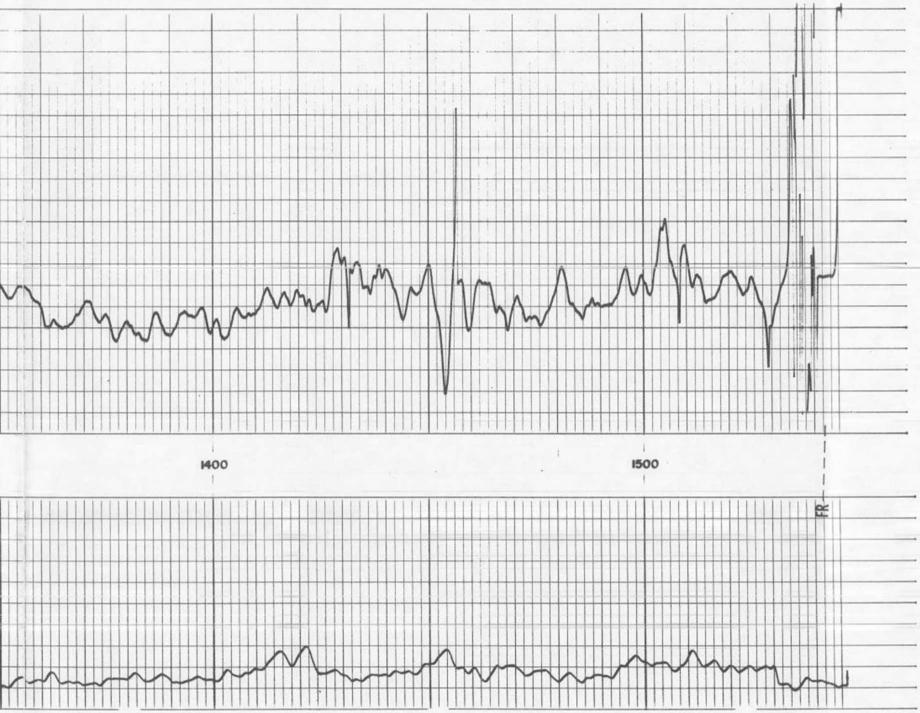


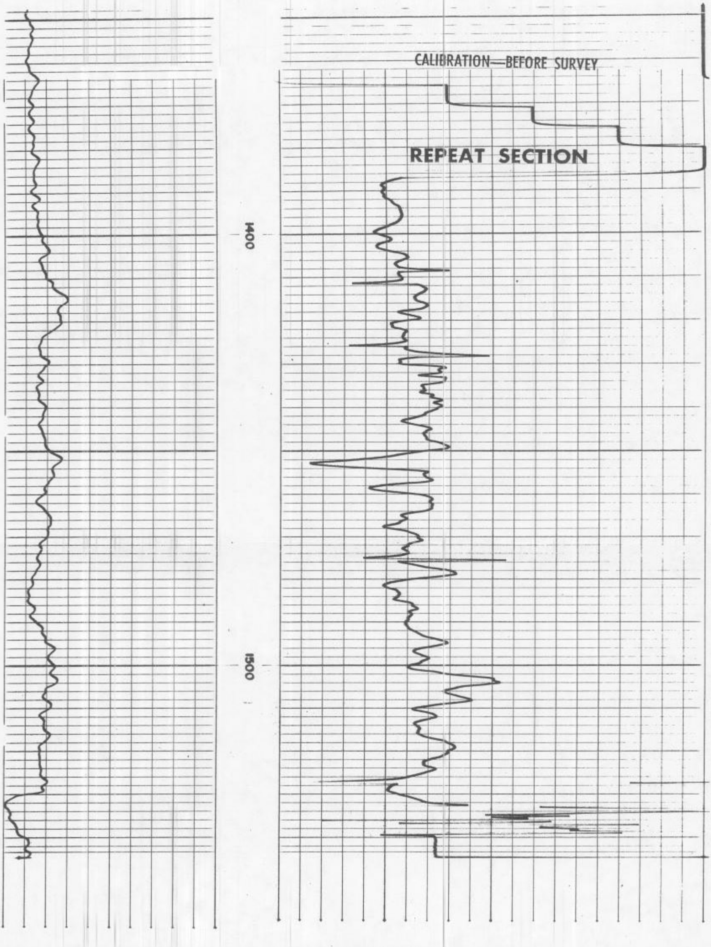












FLORIDA GEOLOGICAL SURVEY
2295 VICTORIA AVENUE, SUITE 179
FT. MYERS, FLORIDA 33901