GL 04472-3

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY CHEVRON OIL COMPANY
PHILLIPS PETROLEUM CORP
WELL SODA LAKE #1-29
FIELD SODA LAKE
COUNTY CHURCHILL STATE NEVADA

LOCATION: 660'N & 660'W FROM SE CORNER OF API Serial No.
Sec. 29 Twp. 20N Rge. 28E

Other Services: DIL; FDC-CNL-GR HDT

Permanent Datum: GL, Elev.: 3998
Log Measured From KB, 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 4010
D.F.
G.L. 3998

Date	12-28-74			
Run No.	ONE			
Depth—Driller	4306			
Depth—Logger	4315			
Btm. Log Interval	4314			
Top Log Interval	1013			
Casing—Driller	13 3/8 @ 1025	@	@	@
Casing—Logger	1013			
Bit Size	11"			
Type Fluid in Hole	GEL-LIGNITE-POLYTRY			
Dens. | Visc.	68 | 48			
pH | Fluid Loss	10 | 9.0 ml	ml	ml	ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	1.02 @ 74 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.85 @ 60 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	0.94 @ 58 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	M | M			
R_m @ BHT	0.30 @ 232 °F	@ °F	@ °F	@ °F
Time Circulation Stopped	11-18-0300			
OFF BOTTOM				
Max. Rec. Temp.	232 °F	°F	°F	°F
Equip. | Location	7731 | SAC			
Recorded By	KENNEDY			
Witnessed By	WALT			

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

FOLD HERE

Reproduced By
Electrical Log Services
Midland, Texas 79701

REFERENCE K 2635W

PI

// COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

IP

GOR GR

TP CP

REMARKS:

REPRODUCTION FOR RESALE PROHIBITED

Run No.	ONE			
Service Order No.	17893			
Fluid level	FULL			

EQUIPMENT DATA

Sonic Panel No.	JF 264			
Sonic Cart No.	SLC 329			
Sonic Sonde No.	SLSH 21			
Mem. Panel No.	— ILRA 446			
G.R. Cart. No.	—			
G.R. Panel No.	—			
Caliper No.	VIO 903			
TTR No.	—			
Centralizers No.	1			
Type	CALIPER			
Standoffs No.	2			
Type	FIN			
Time Const.-Sec.	—			
Speed - F.P.M.	60			

CALIBRATION DATA

GR	BKG. CPS				
	Source CPS				
	Tc Sec				

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				[illegible]	
Δt_m	Δt_f	Cp	ϕ Scale	From	To
255	1.0		50-150	TD	CSG

REMARKS DUE TO MEMORIZER PROBLEM, CALIPER AND SP RECORDED 10' SHALLOW

i.e.

$(\text{CALIPER})_{\text{LOG}} - 10' = (\text{CALIPER})_{\text{TRUE}}$

USE SAME FORMULA FOR $(\text{SP})_{\text{TRUE}}$

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

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 wilful 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

6" 16"

SPONTANEOUS-POTENTIAL

— 10 + MILLIVOLTS

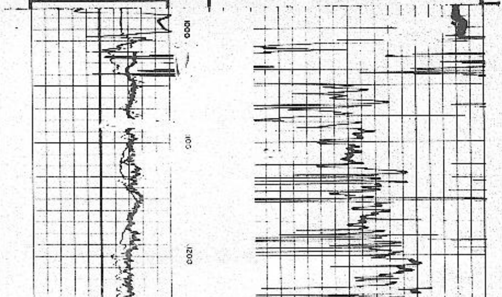
DEPTH

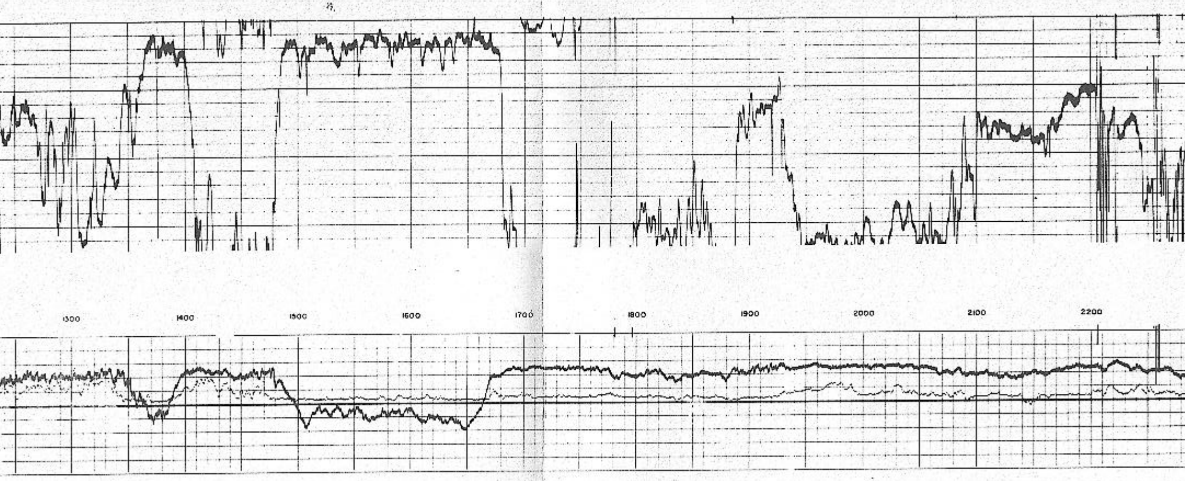
INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T__ R__ R__

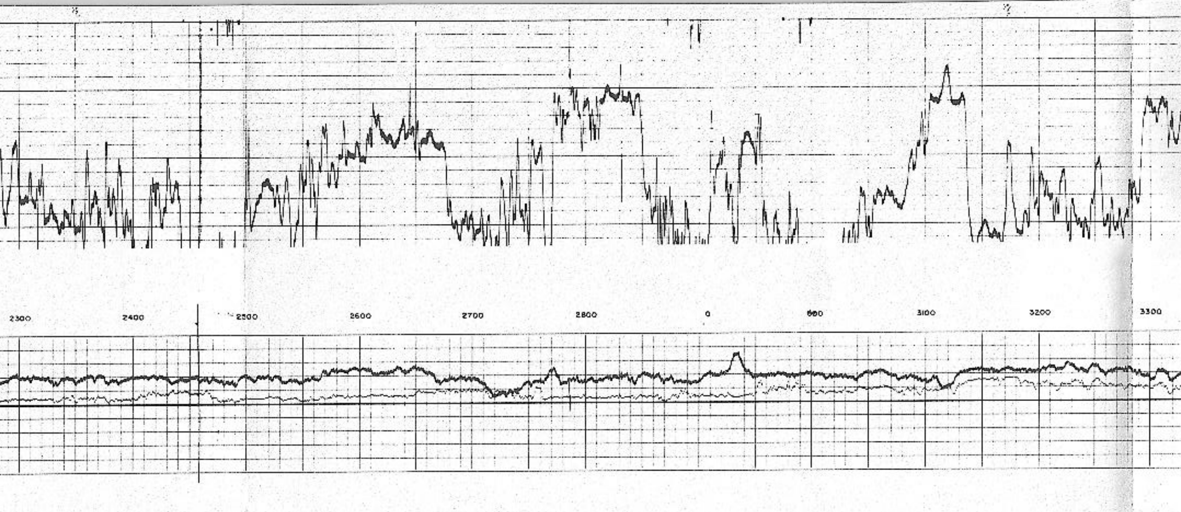
150 100 50

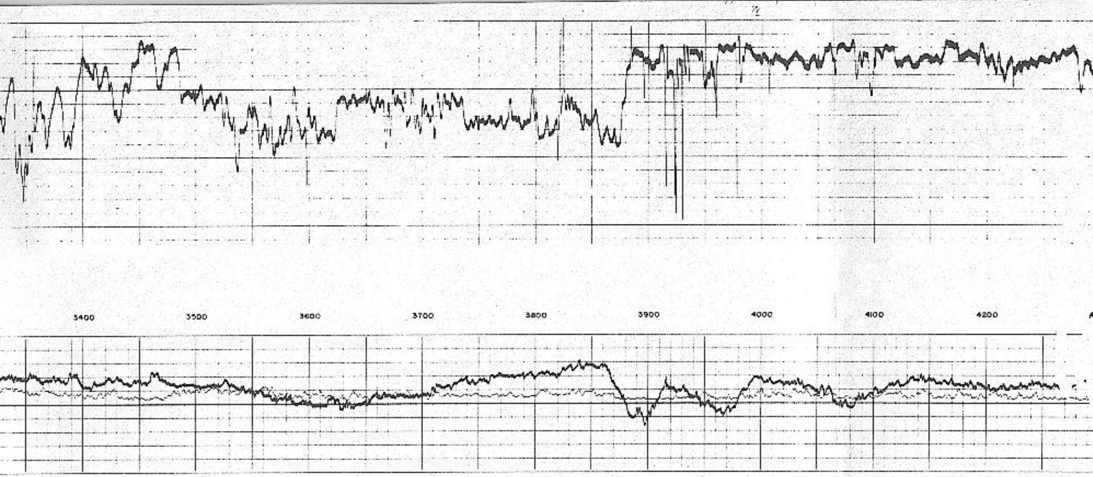
250 150

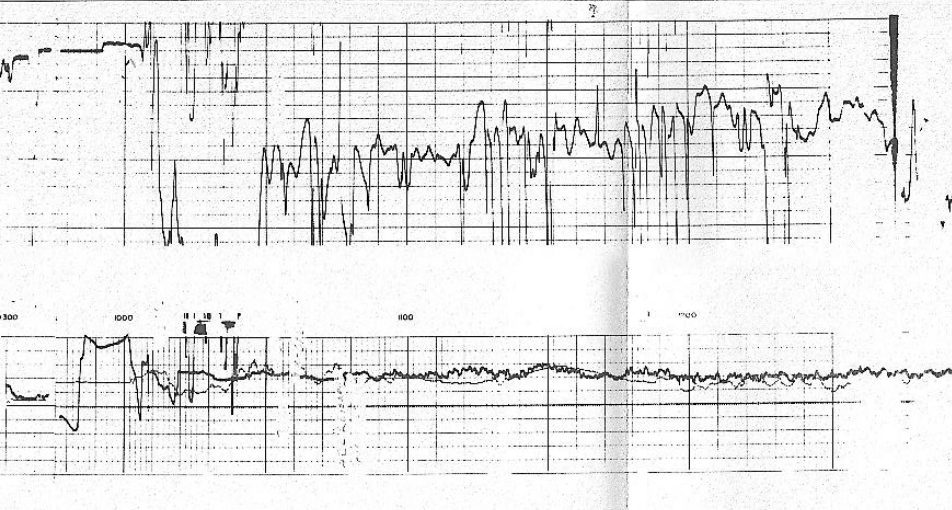
INTERGRATED TRAVEL TIME

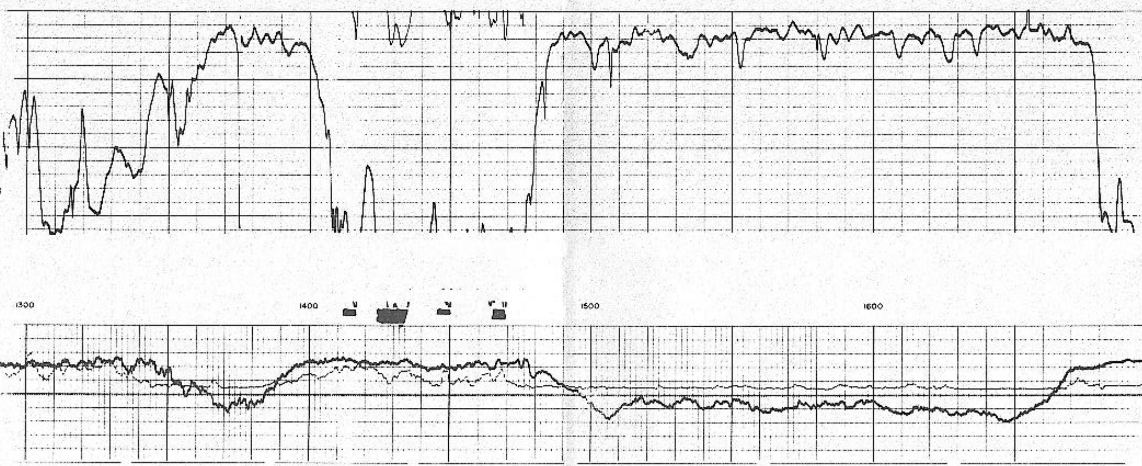


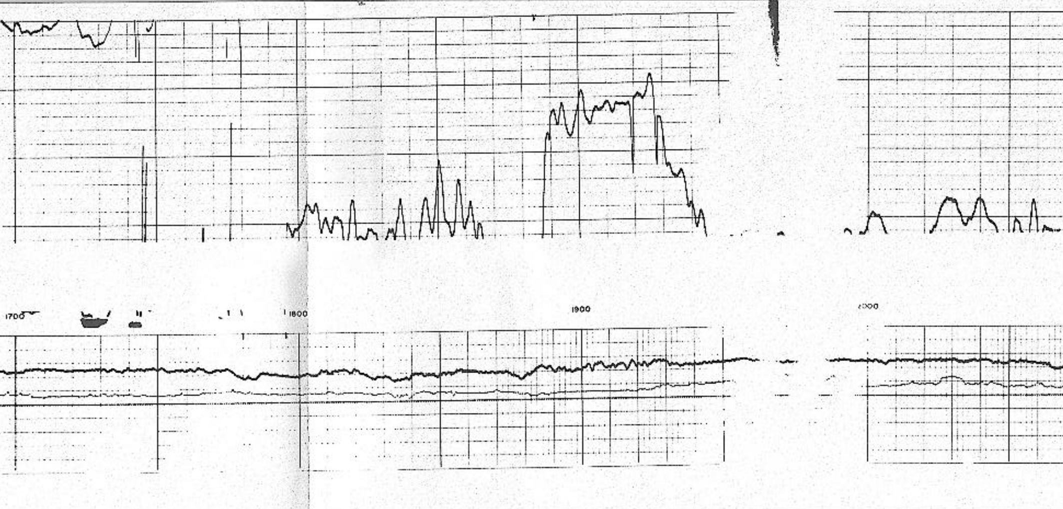


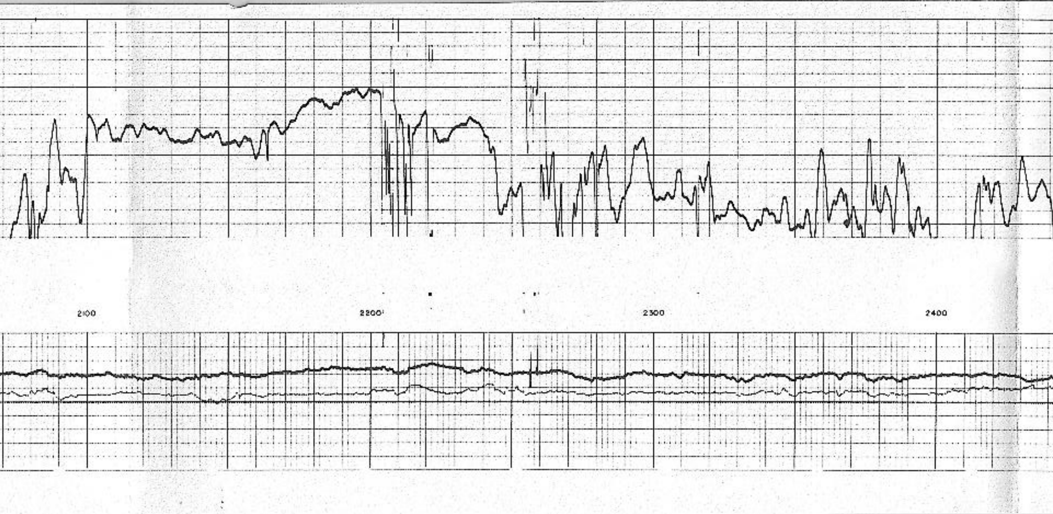


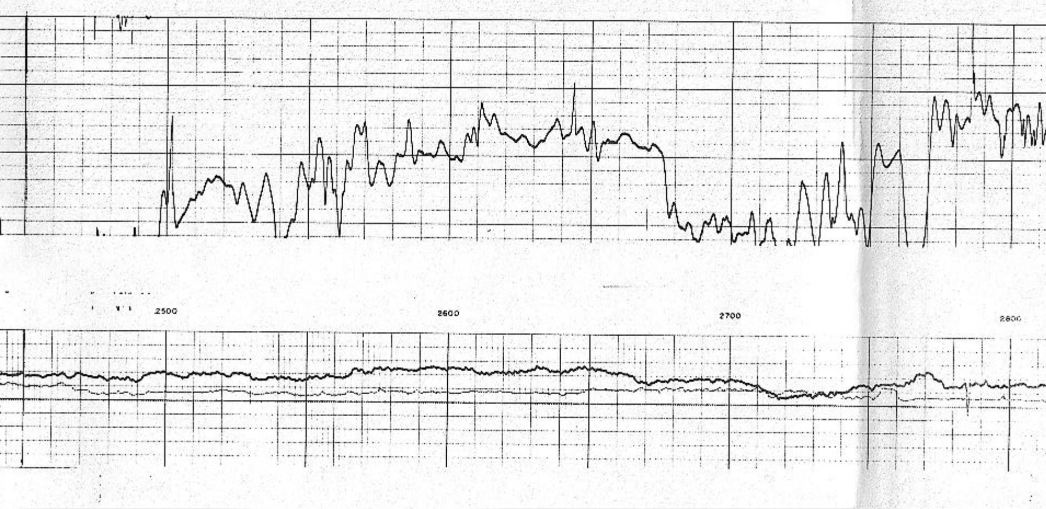


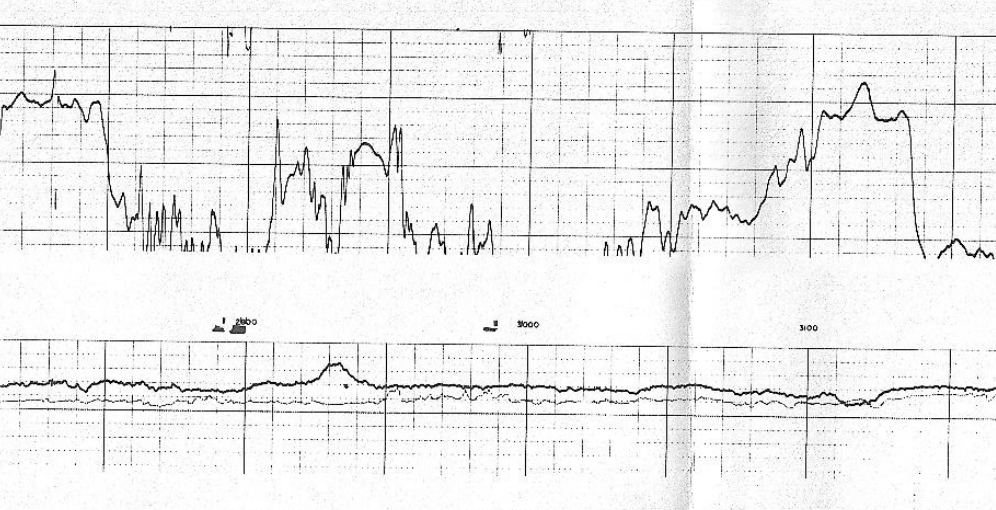


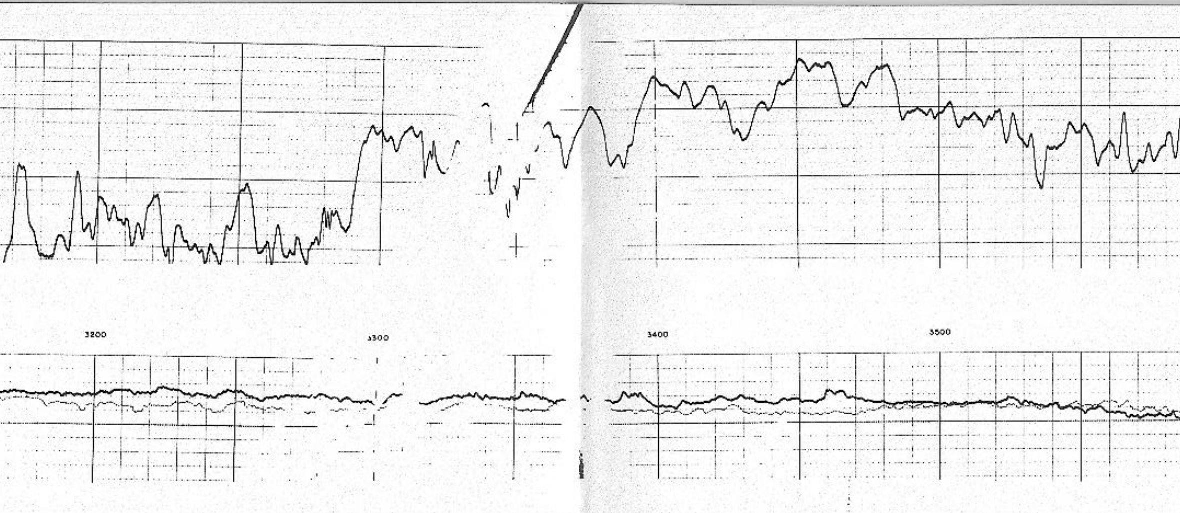


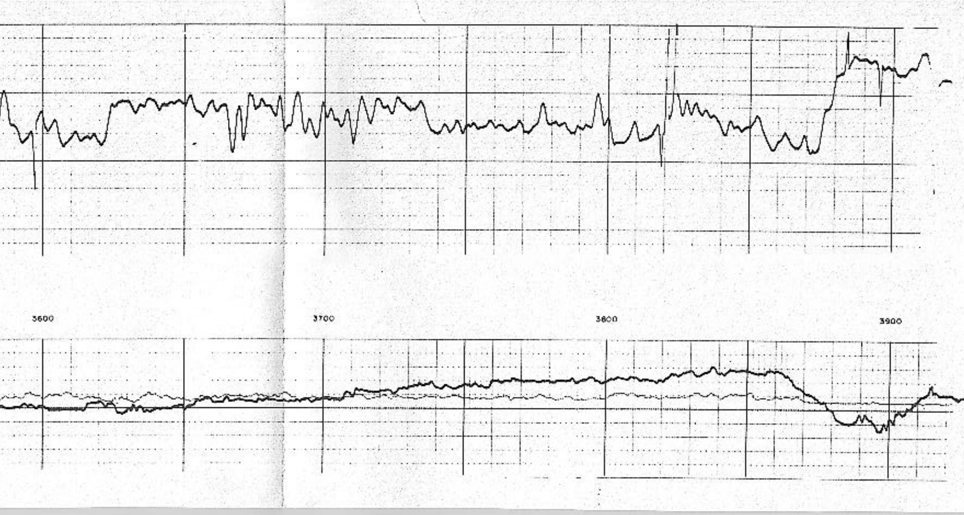


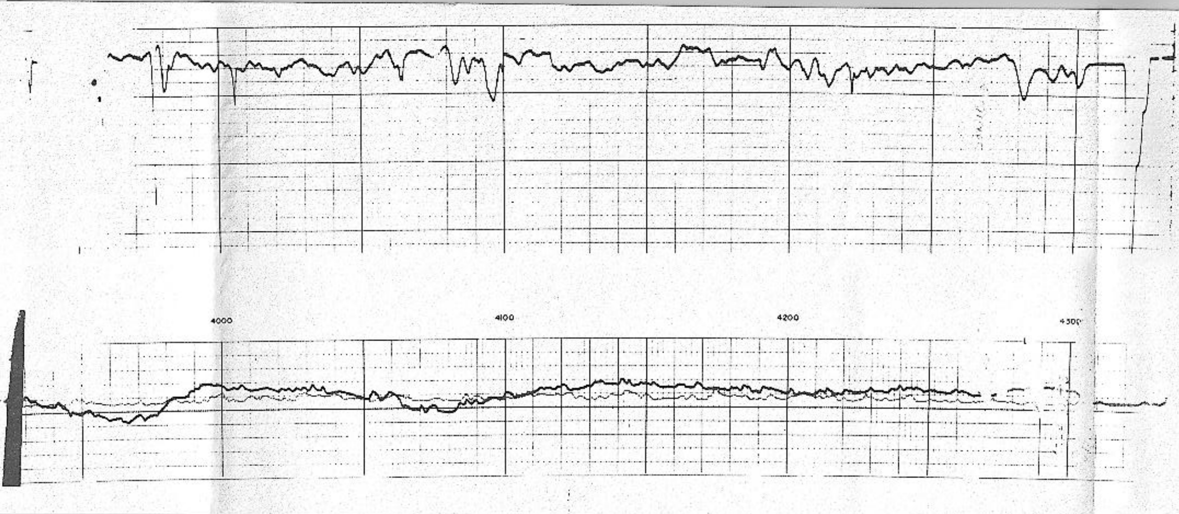


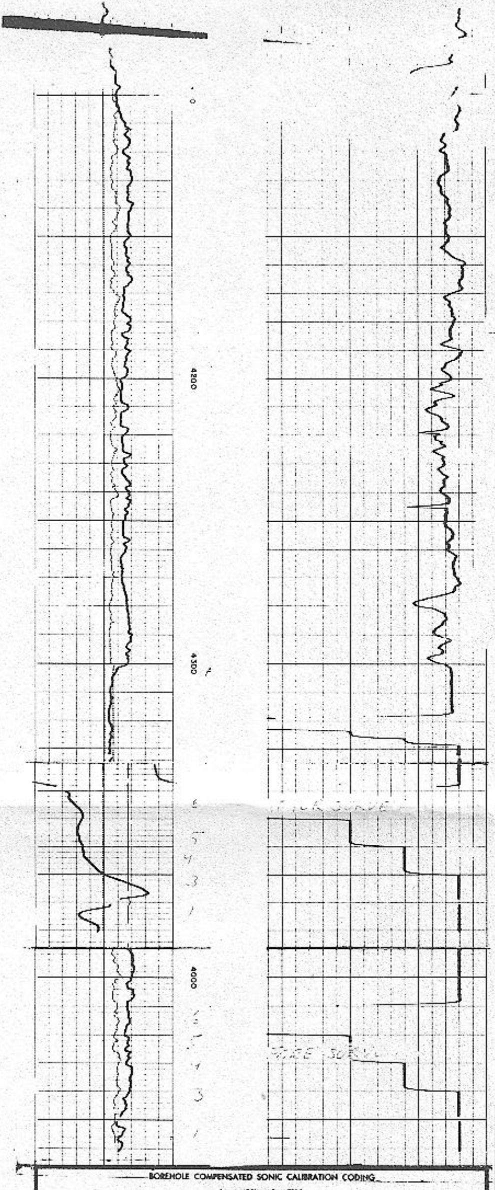












BOREHOLE COMPENSATED SONIC CALIBRATION CODING

1. MECHANICAL ZERO
2. 40 μ SEC./FT
3. 60 μ SEC./FT
4. 80 μ SEC./FT
5. 100 μ SEC./FT
6. 140 μ SEC./FT