

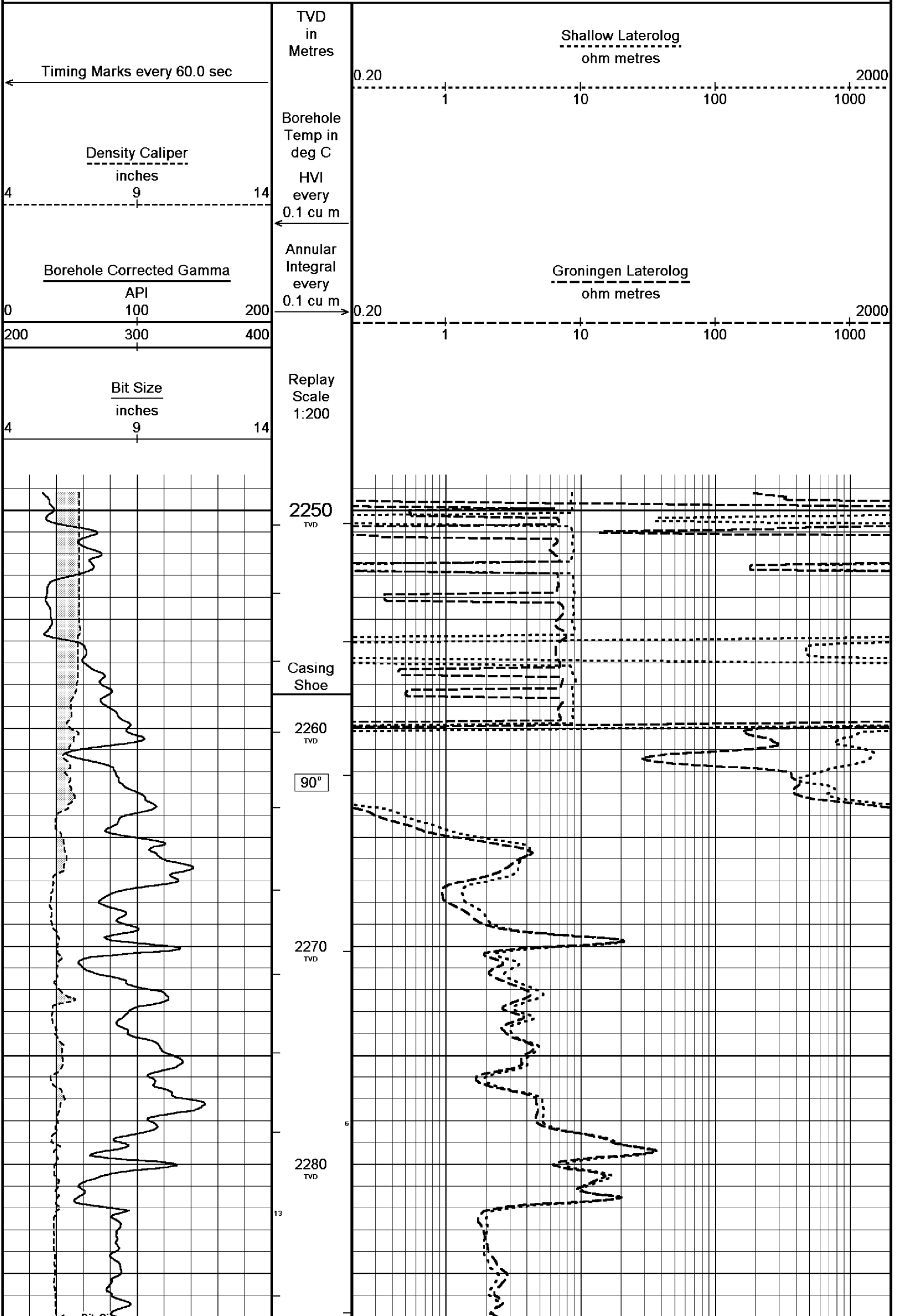
# Reeves

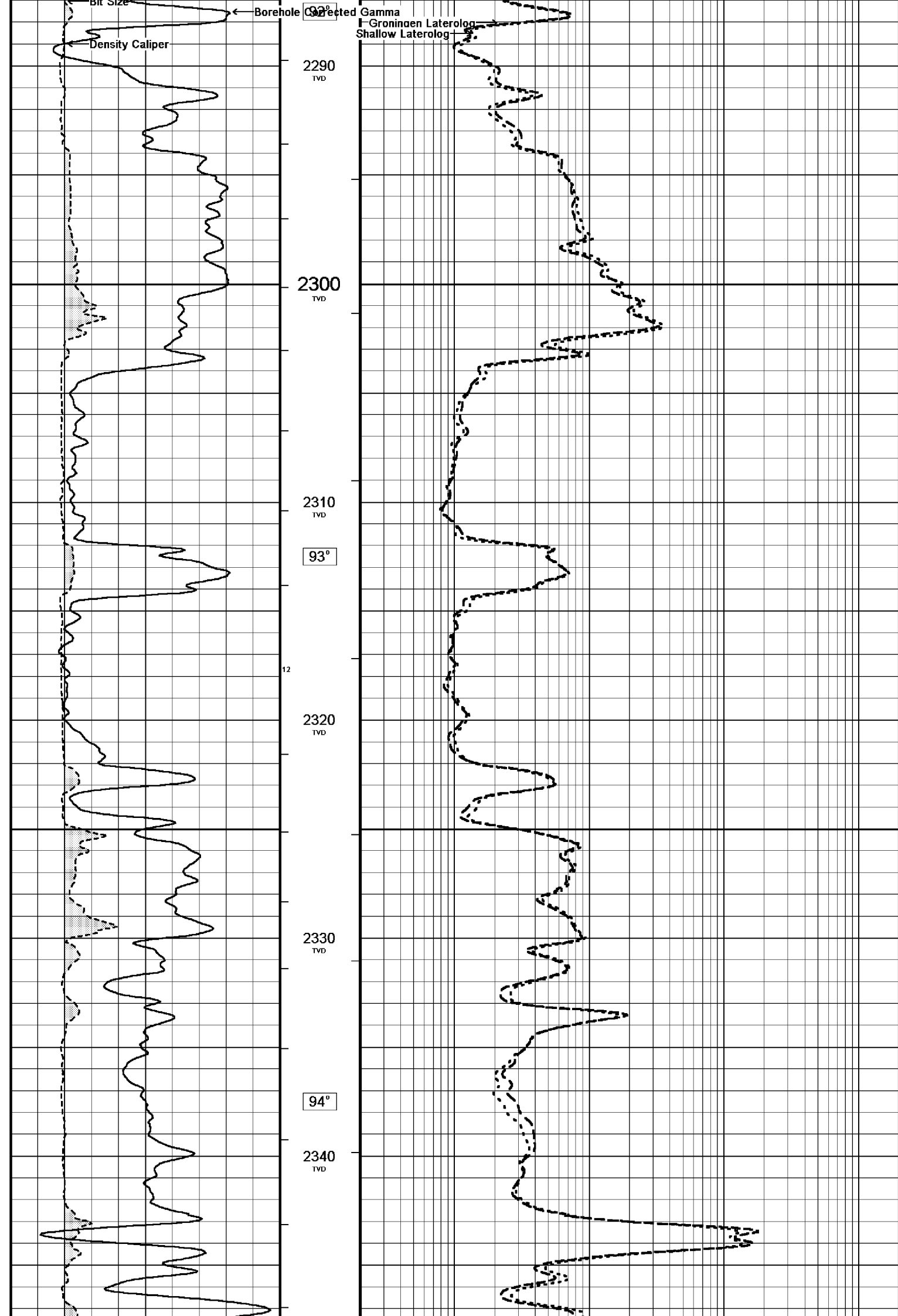
## DUAL LATEROLOG - GR 1:200 TVD

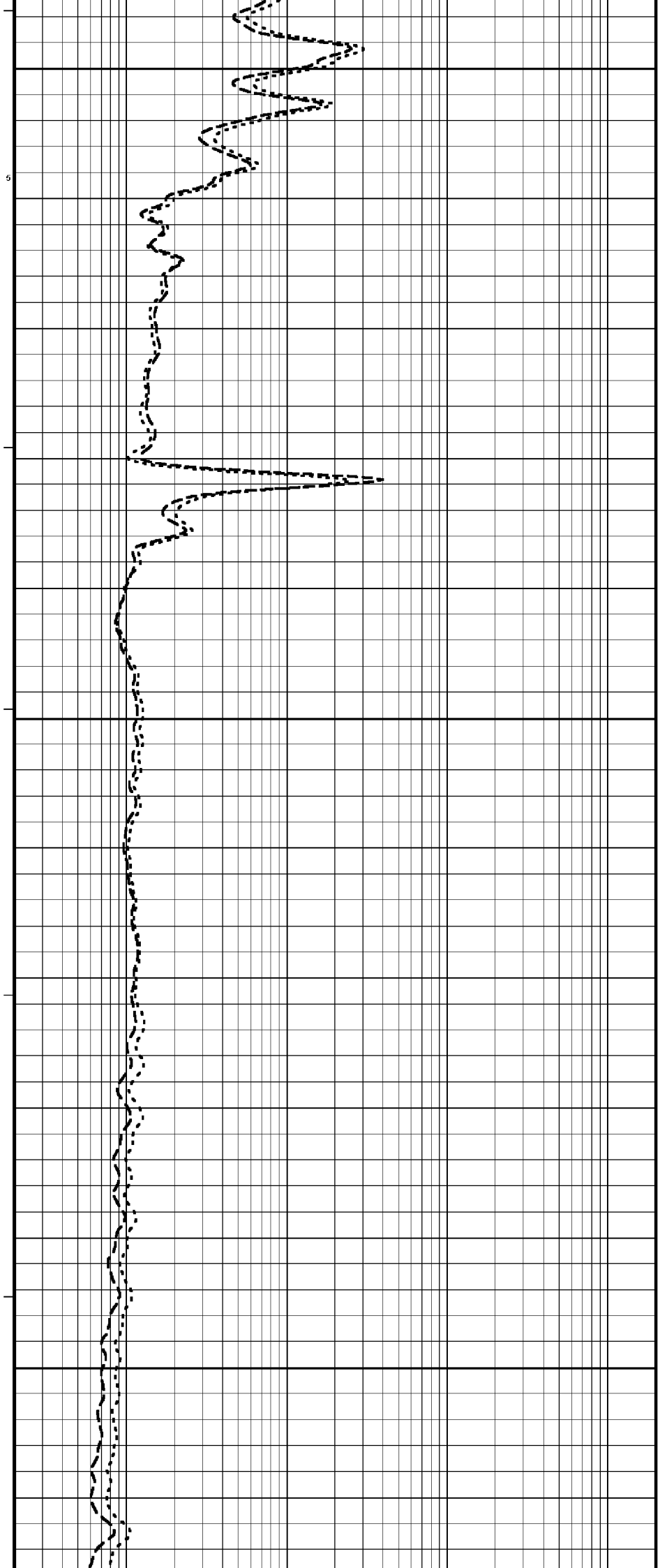
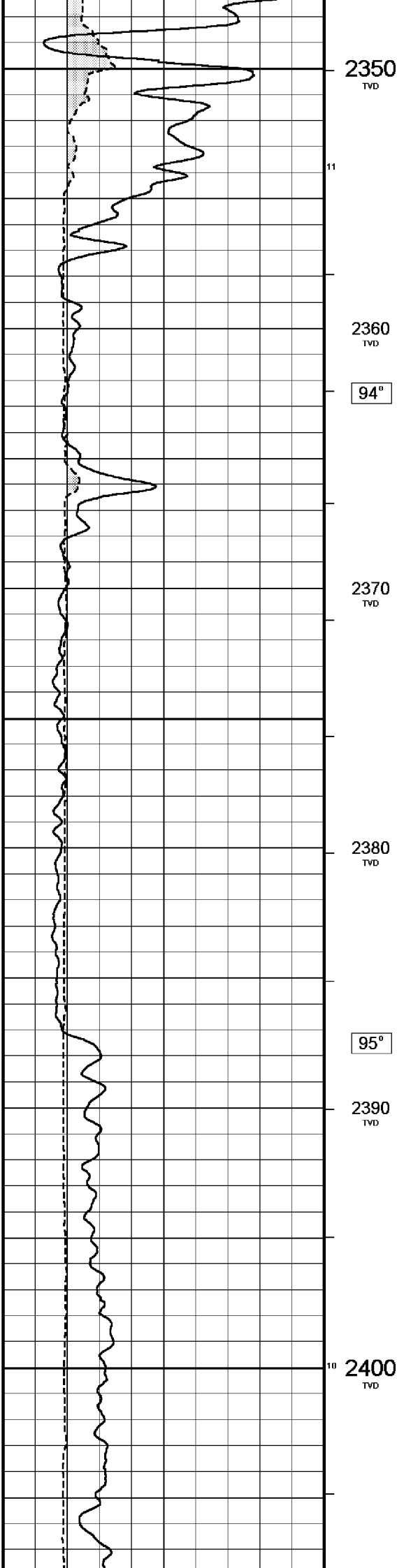
COMPANY			ESSO AUSTRALIA PTY. LTD.		
WELL			FLOUNDER A-17a		
FIELD			GIPPSLAND BASIN		
PROVINCE/COUNTY			BASS STRAIT		
COUNTRY/STATE			AUSTRALIA		
LOCATION			5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE	Other Services	
				PHOTO DENSITY	
API Number		COMPENSATED NEUTRON			
Permit Number		COMPENSATED SONIC			
Permanent Datum MSL				Elevation 0 metres	
Log Measured From RT@33.85 metres				above Permanent Datum	
Drilling Measured From RT					
Date	17-Aug-2003				
Run Number	2				
Depth Driller	2878.00			metres	
Depth Logger	2865.40			metres	
First Reading	2859.80			metres	
Last Reading	2258.40			metres	
Casing Driller	2267.00			metres	
Casing Logger	2258.40			metres	
Bit Size	6.00			inches	
Hole Fluid Type	KCl/PPH/PA/GLY				
Density / Viscosity	9.20 lb/USg		70.00	sec/qt	
PH / Fluid Loss	9.30		3.10	ml/30Min	
Sample Source	FLOWLINE				
Rm @ Measured Temp	0.101 @ 25.0			ohm-m	
Rmf @ Measured Temp	0.083 @ 25.0			ohm-m	
Rmc @ Measured Temp	0.146 @ 25.0			ohm-m	
Source Rmf / Rmc	PRESS			PRESS	
Rm @ BHT	0.036 @ 111.0			ohm-m	
Time Since Circulation	30 HRS				
Max Recorded Temp	111.00			deg C	
Equipment Name	COMPACT				
Equipment / Base	1			SALE	
Recorded By	G. McManus, R. Tench			S. Mooney, B. Arnold	
Witnessed By	E.Espiritu				
Circ. Stopped	23:15 15-AUG				

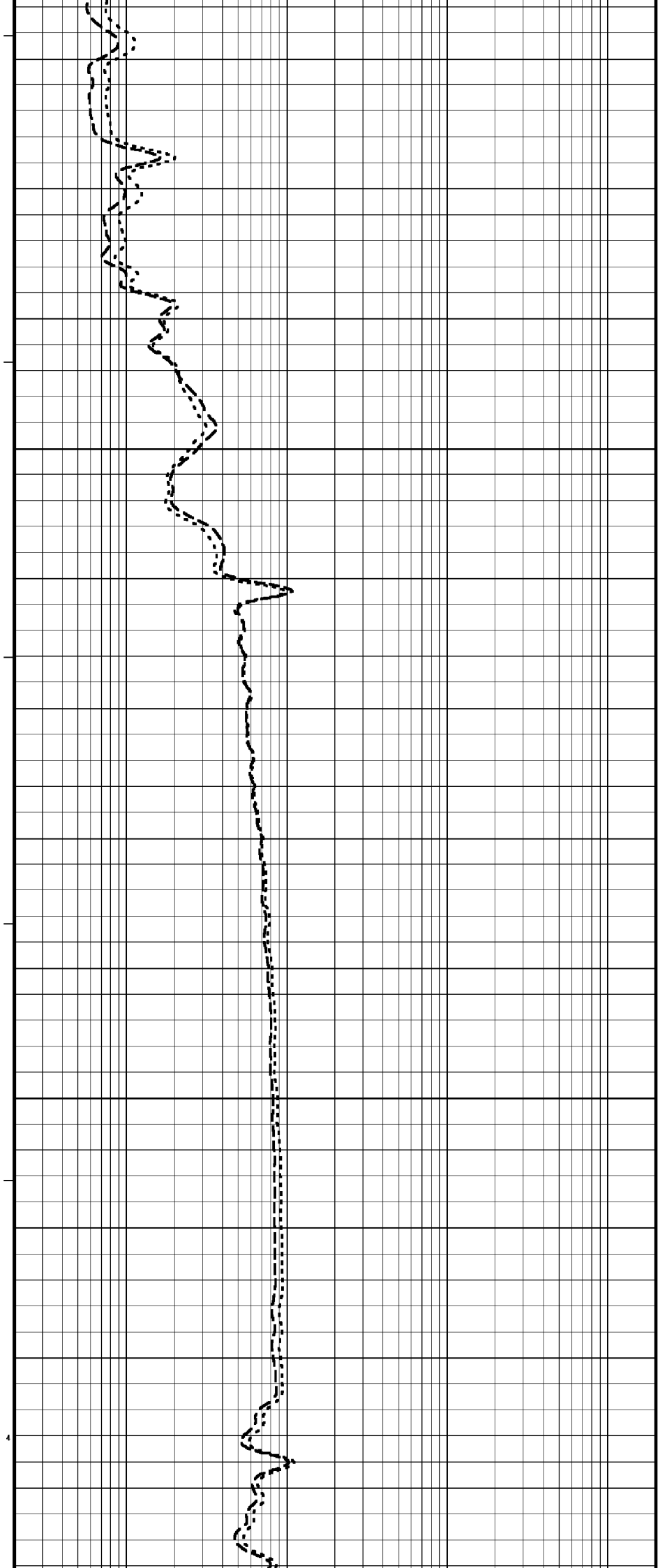
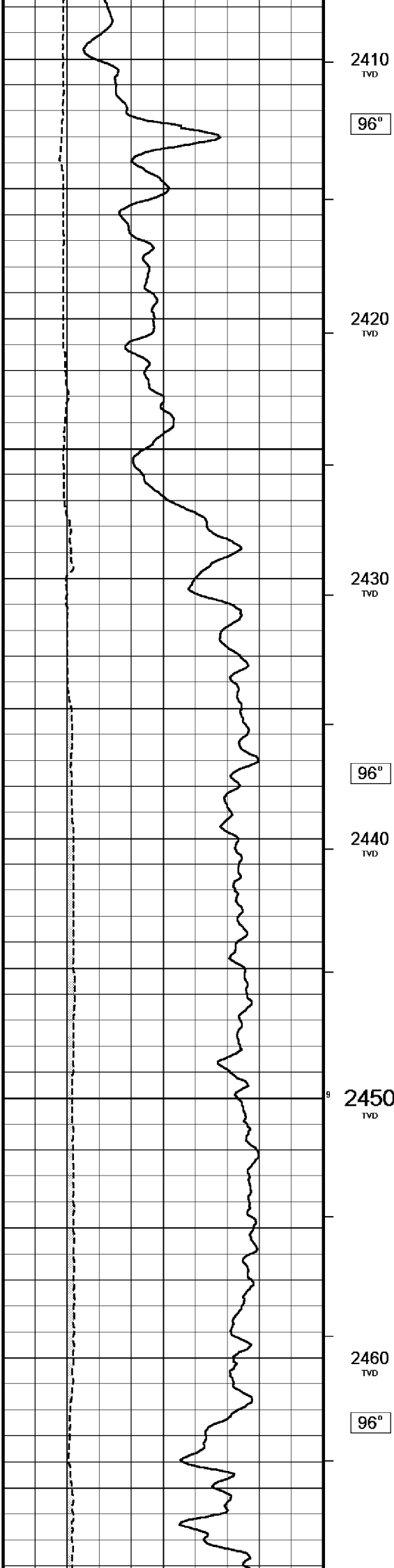
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		1500.00		2800.00
6.000		2800.00		3660.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT TOOLS RAN WITH 3½" WELL SHUTTLE.				
MAX DEVIATION: 43.3° @ 3283 m.				
GRONINGEN LATEROLOG PRESENTED WITH ORIGINAL LOGGING CONSTANT.				
ENHANCED MODEL PROCESSING USED FOR INDUCTION DATA (NOT PRESENTED).				
REEVES CREW: R.TENCH, G.MCMANUS, S.MOONEY AND BILL ARNOLD				

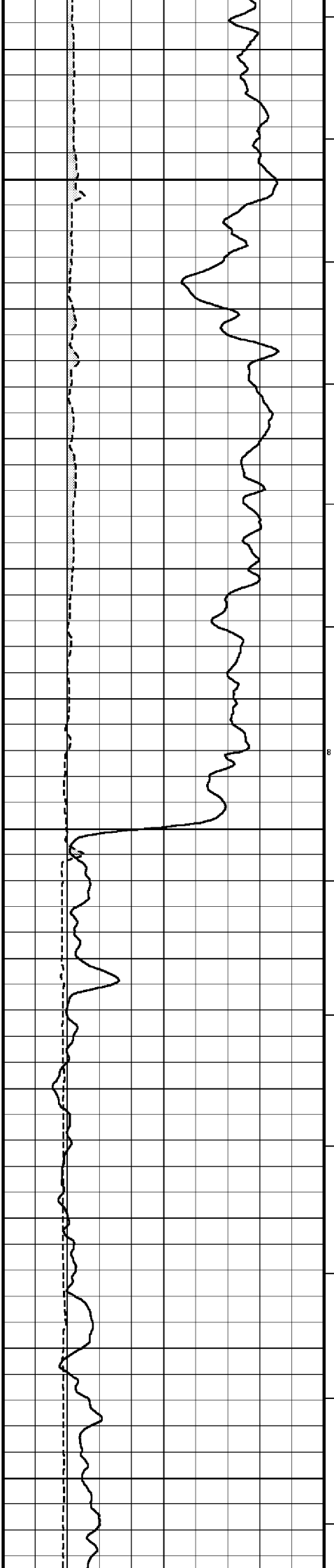
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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 our general terms and conditions in our price schedule.











2470  
TVD

2480  
TVD

97°

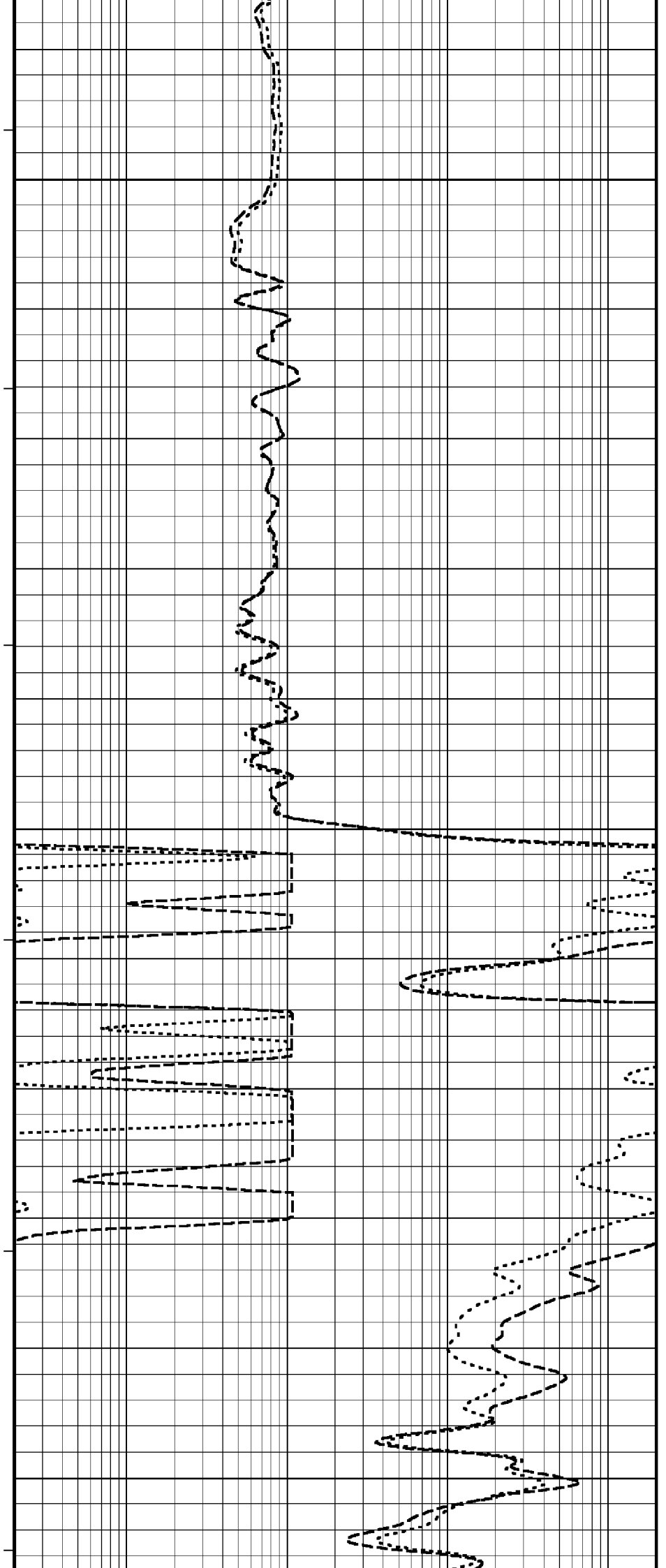
2490  
TVD

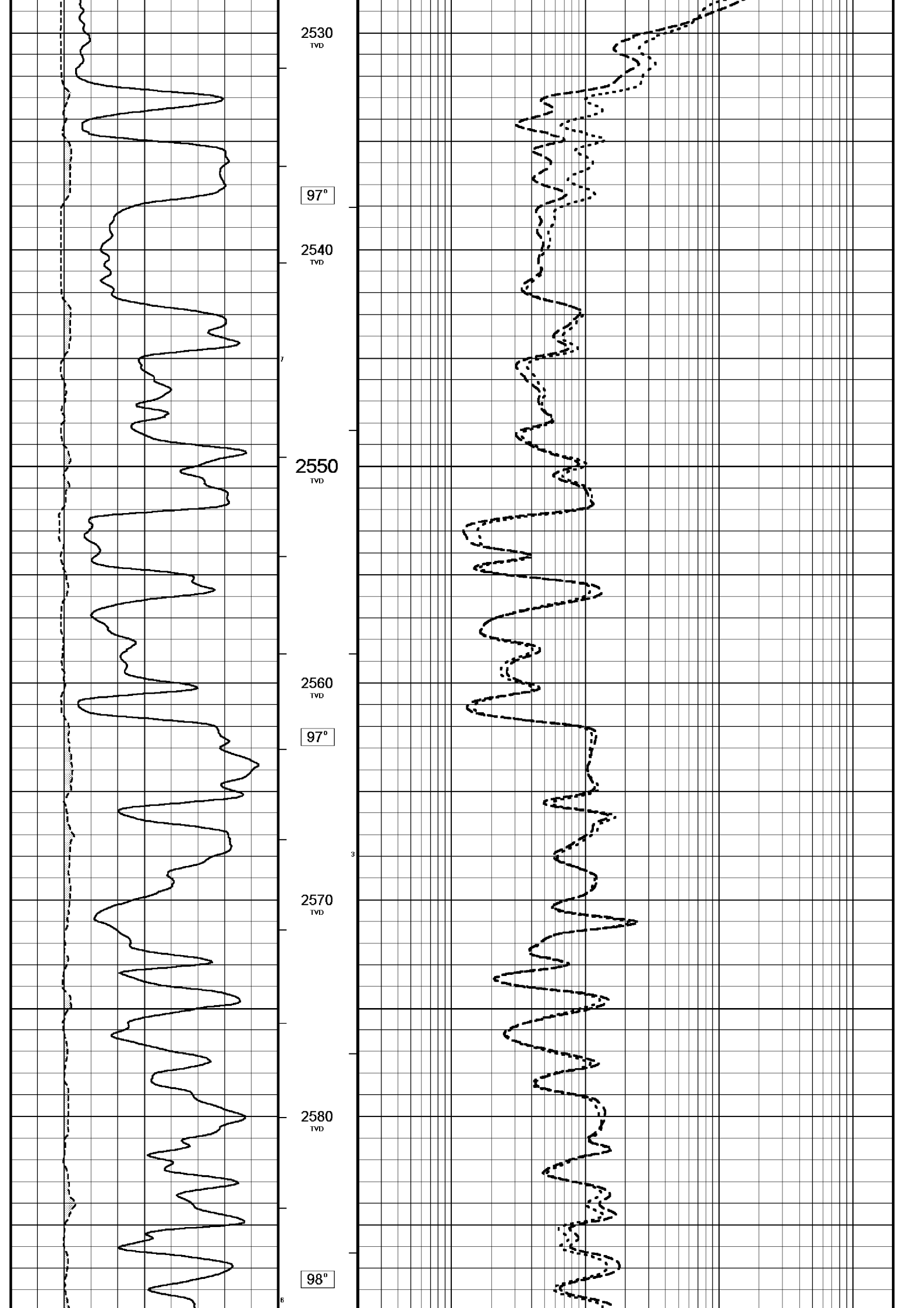
2500  
TVD

2510  
TVD

97°

2520  
TVD





2590  
TVD

2600  
TVD

2610  
TVD

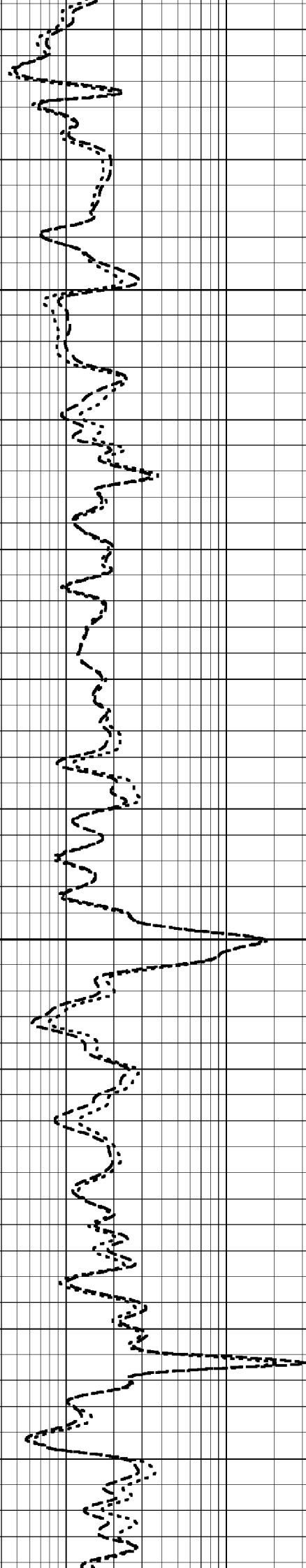
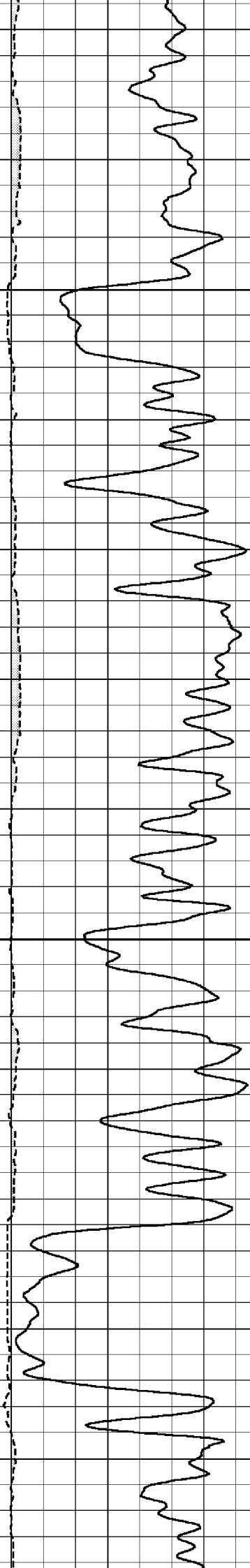
98°

2620  
TVD

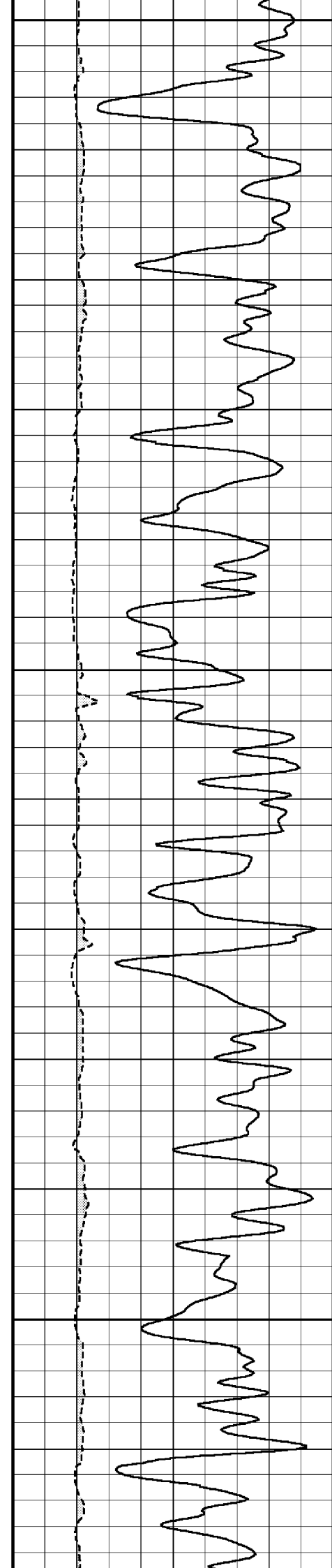
2630  
TVD

97°

2640  
TVD







2650  
TVD

2660  
TVD

97°

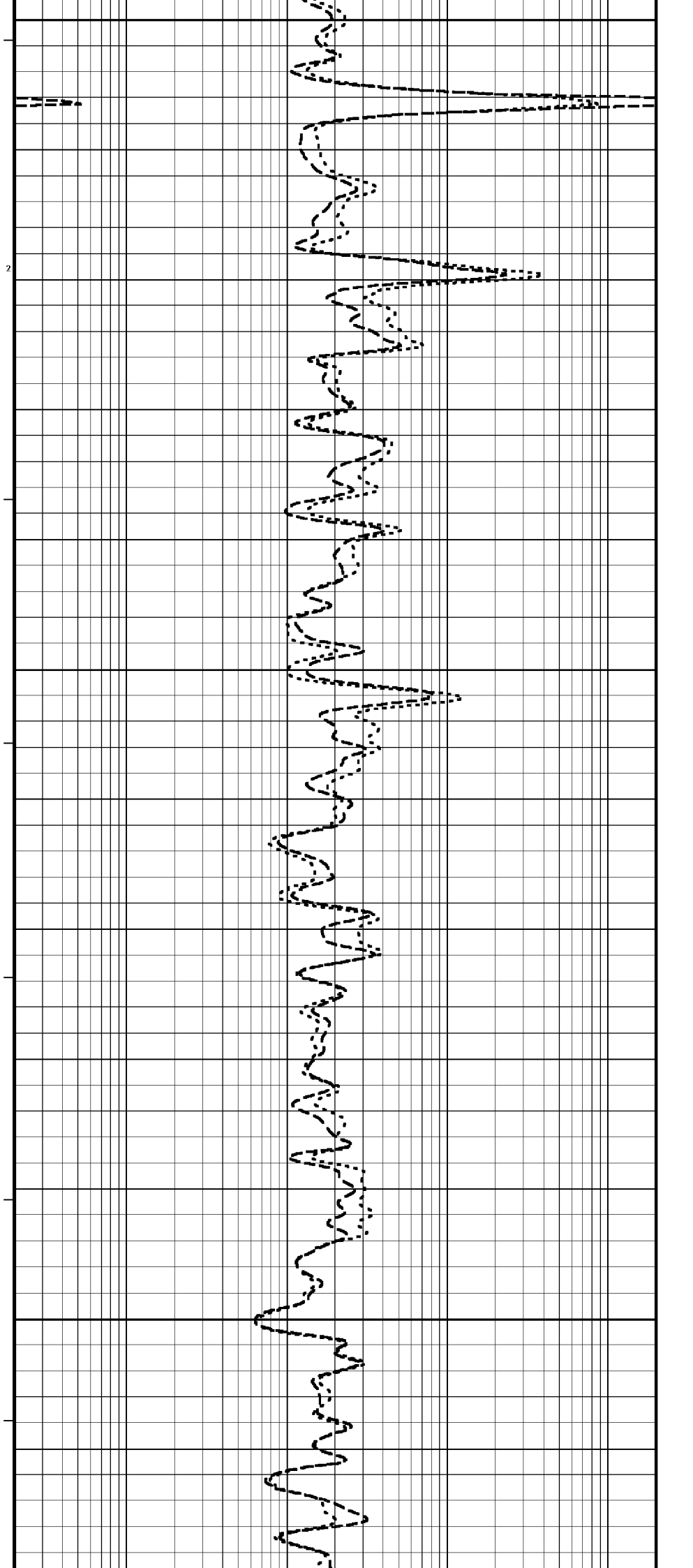
2670  
TVD

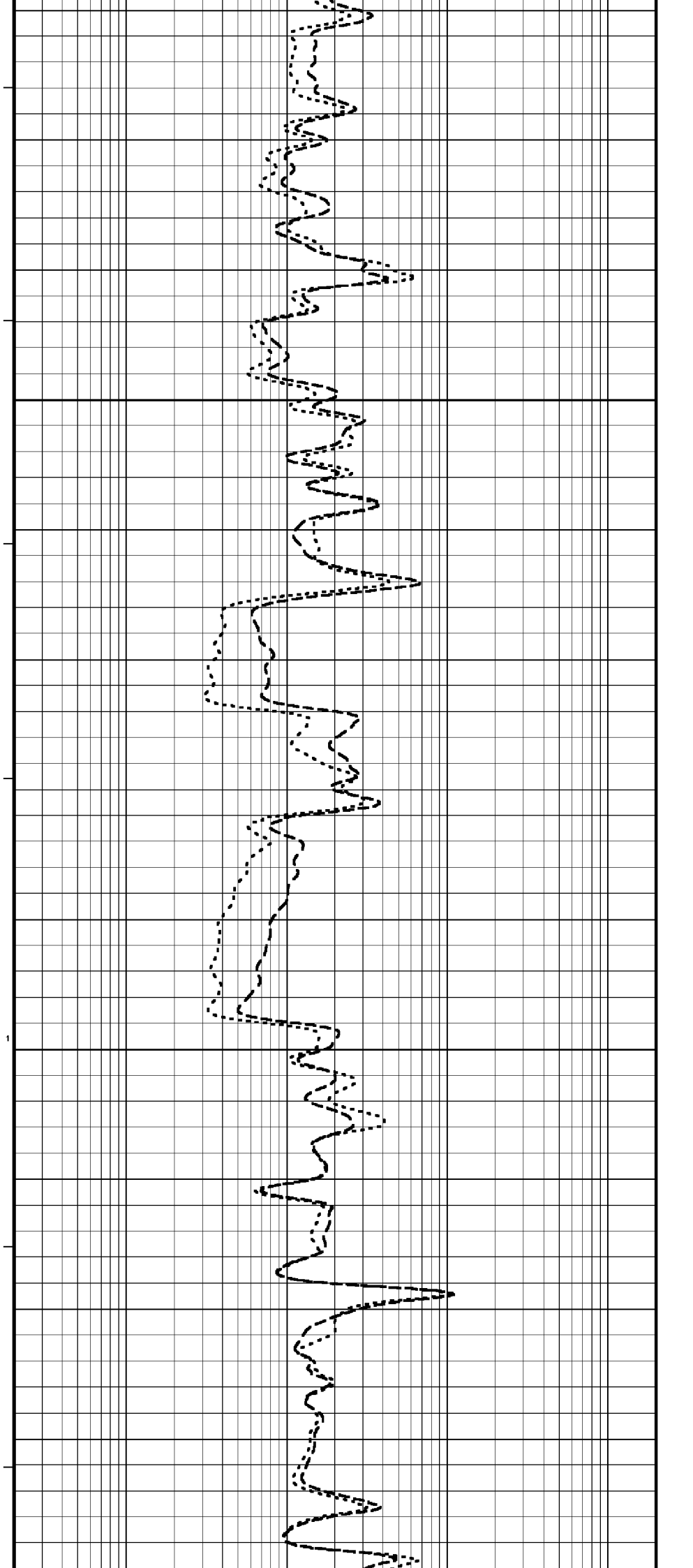
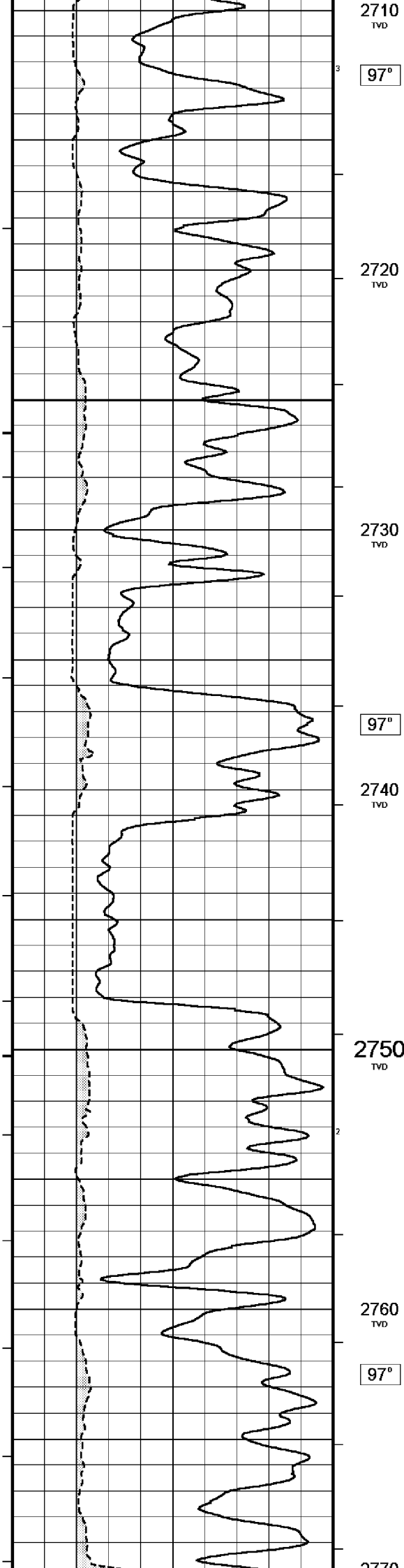
2680  
TVD

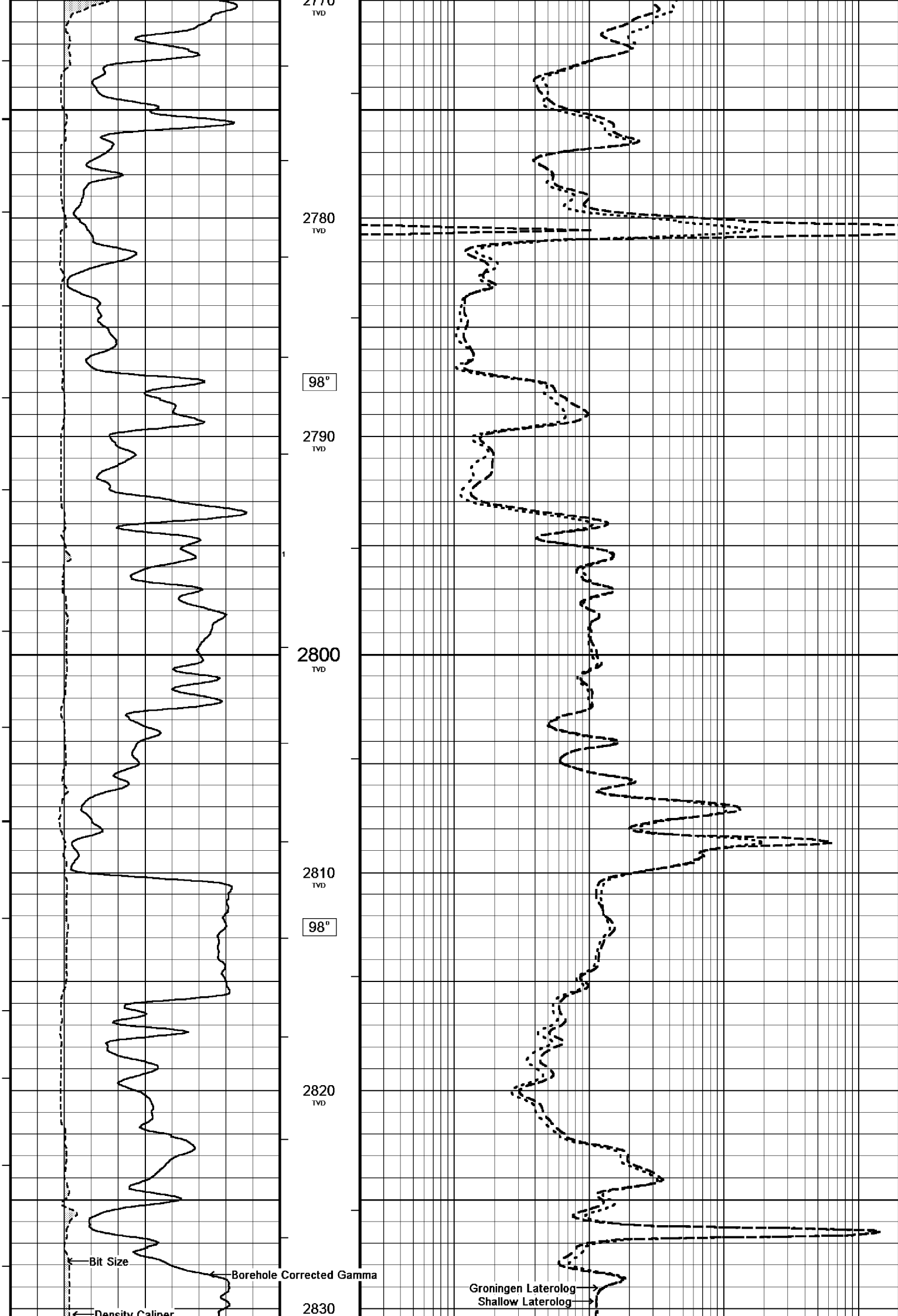
97°

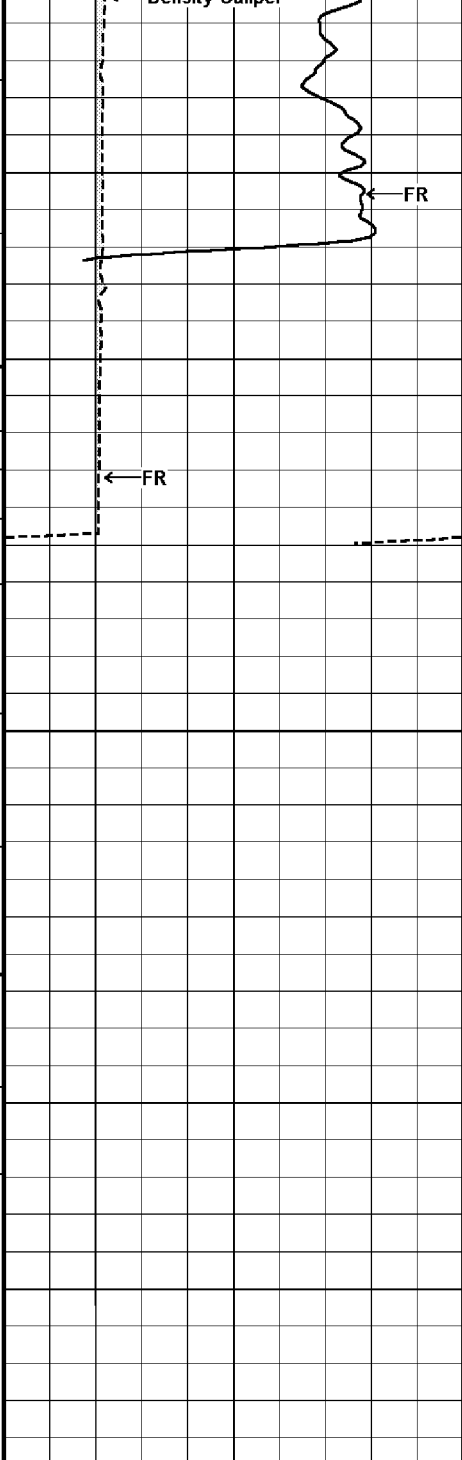
2690  
TVD

2700  
TVD









TVD

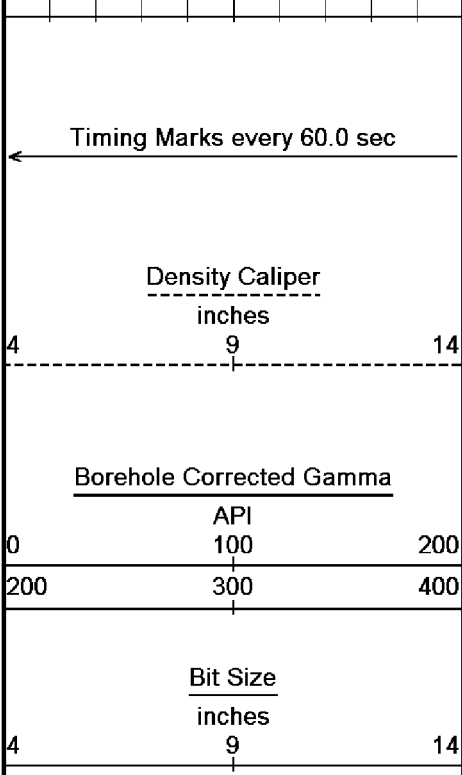
111°

2840  
TVD

2850  
TVD

2860  
TVD

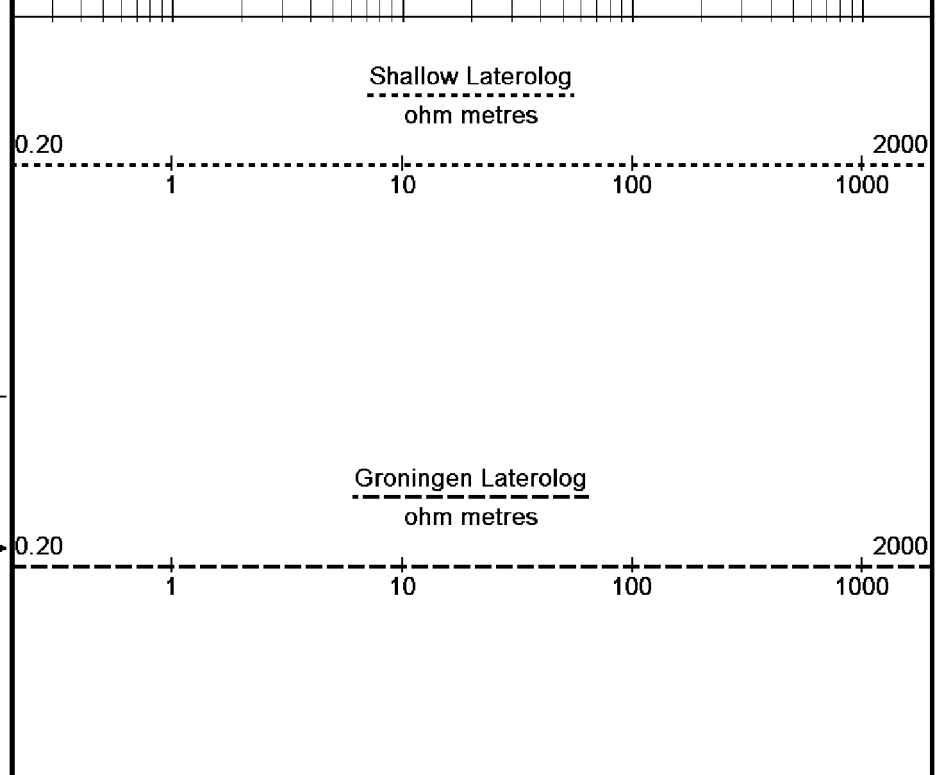
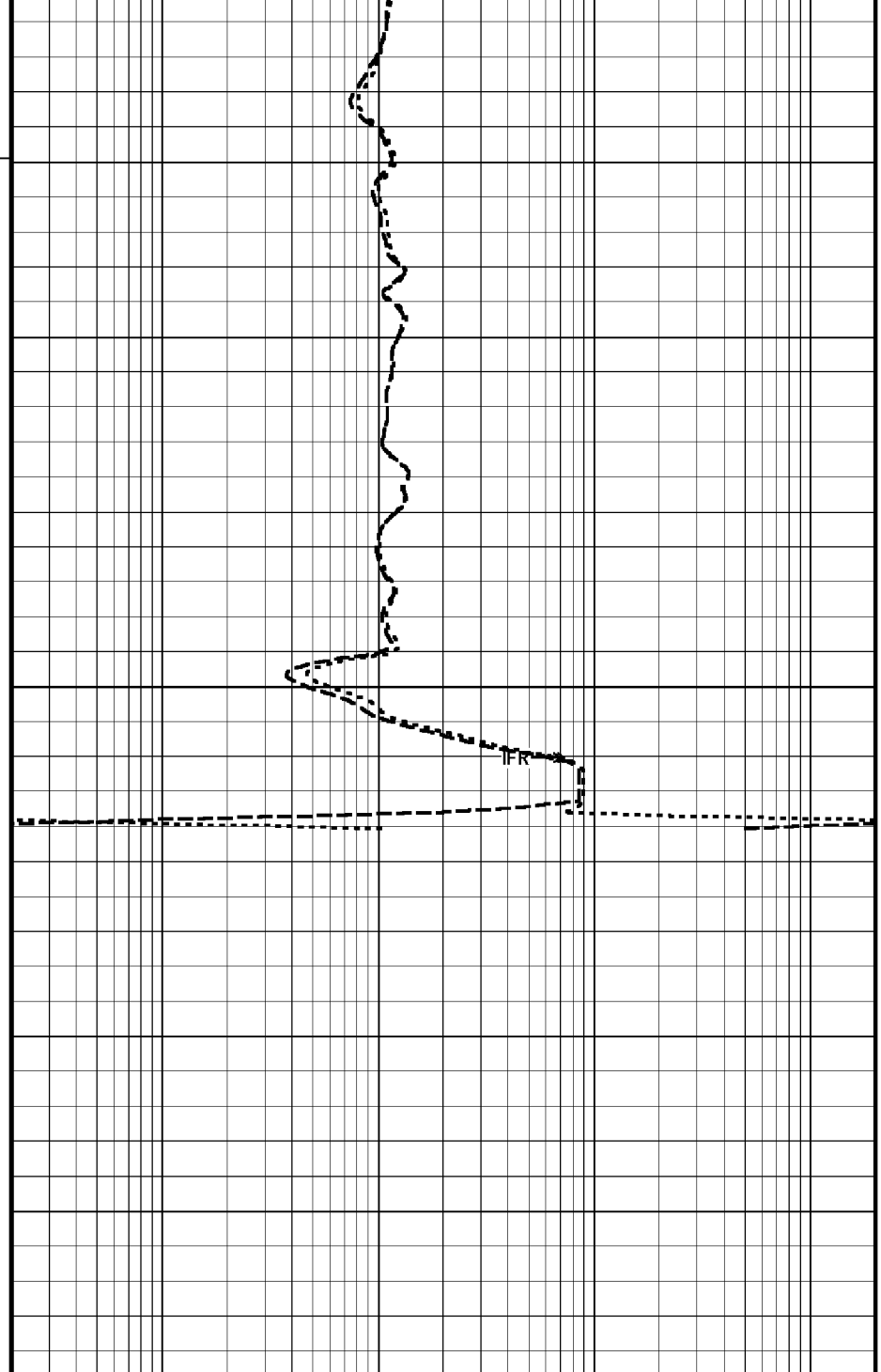
2870  
TVD  
in  
Metres



Borehole  
Temp in  
deg C  
HVI  
every  
0.1 cu m

Annular  
Integral  
every  
0.1 cu m

Replay  
Scale  
1:200



BEFORE SURVEY CALIBRATION

C:\Fla\_a17a\B & W Finals\Fla\_A17a\_Main\_log\_MDL.dta

General Constants All 000		
General Parameters		
Mud Resistivity	0.10	ohm-metres
Mud Resistivity Temperature	25.00	degrees C
Water Level	0.00	metres
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	Density Caliper	
Annular Volume Diameter	4.50	inches
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Deep Laterolog	
RWA Constant A	0.61	
RWA Constant M	2.15	

High Resolution Temperature Calibration MCG 043			Field Calibration on 9-AUG-2002,07:03
	Measured	Calibrated(Deg C)	
Lower	20.50	20.00	
Upper	51.00	50.00	

High Resolution Temperature Constants MCG 043	
Pre-filter Length	11

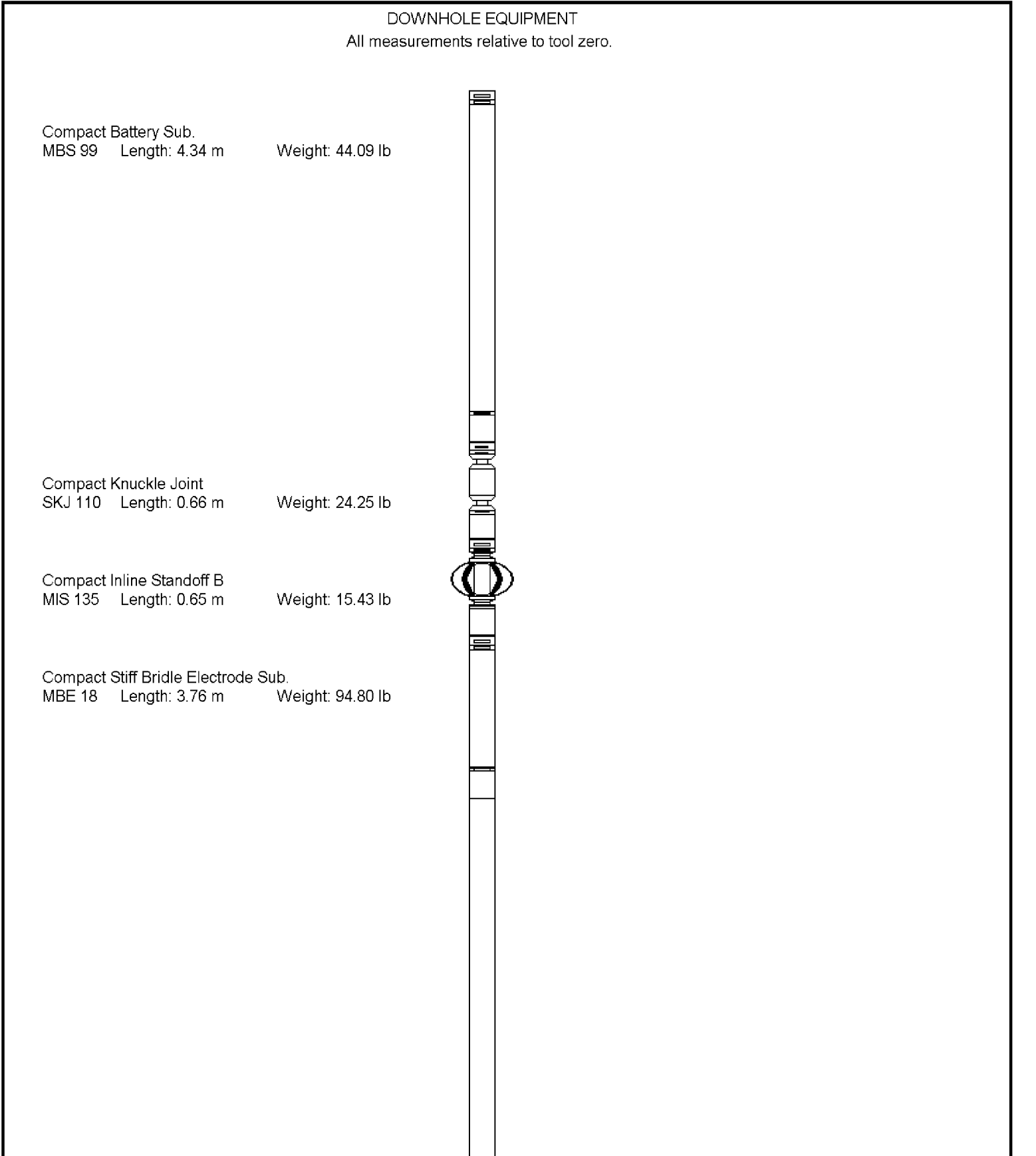
Gamma Calibration MCG 043			Field Calibration on 15-AUG-2003 19:05
	Measured	Calibrated (API)	
Background	16	11	
Calibrator (Gross)	1419	920	
Calibrator (Net)	1403	909	

Gamma Constants MCG 043			
Gamma Calibrator Number	60		
Mud Density	1.15	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	

Caliper Calibration MPD 066			Base Calibration on 22-OCT-2003,14:18
			Field Calibration on 22-OCT-2003,14:18
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	12128	4.58	
2	20304	6.56	
3	28752	8.56	
4	37248	10.52	
5	46672	12.58	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (in)	Actual Caliper (in)	
	6.00	6.00	

Laterolog Calibration MLE 005					Base Calibration on 6-MAY-2003 14:51	Field Check on 15-AUG-2003,18:58
Base Calibration						
		Measured	Calibrated (ohm-m)			
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2		
Shallow	0.0	981.5	0.0	1327.3		
Deep	0.0	980.6	0.0	852.7		

Groningen	0.0	981.8	0.0	852.7
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
Shallow	48.6		48.6	
Deep	31.3		31.3	
Groningen	249.9		249.9	
Laterolog Constants MLE 005				
Squasher Start	40000		ohm-m	
Shallow Laterolog K Factor	1.3273			
Deep Laterolog K Factor	0.8527			
Groningem Laterolog K Factor	0.8527			
Interference Rejection	50 Hz			
SP Connection	SP Bridle Electrode			
Groningen Connection	Groningen Electrode			



Compact Inline Standoff B  
MIS 136   Length: 0.65 m   Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.  
MBE 17   Length: 3.76 m   Weight: 94.80 lb

Compact Inline Standoff B  
MIS 132   Length: 0.65 m   Weight: 15.43 lb

Compact Knuckle Joint  
SKJ 102   Length: 0.66 m   Weight: 24.25 lb

Compact Gamma  
MCG 43   Length: 2.65 m   Weight: 63.93 lb

Compact Memory Sub.  
MMS 24   Length: 0.95 m   Weight: 22.05 lb

Compact Knuckle Joint  
SKJ 46   Length: 0.66 m   Weight: 24.25 lb



32.22 m   GRGC - Gamma Ray

31.33 m   CGXT - MCG External Temperature

Compact Swivel Head Adaptor  
SHA 27    Length: 0.83 m    Weight: 26.46 lb

Compact Inline Bowspring A  
MIS 24    Length: 1.74 m    Weight: 33.07 lb

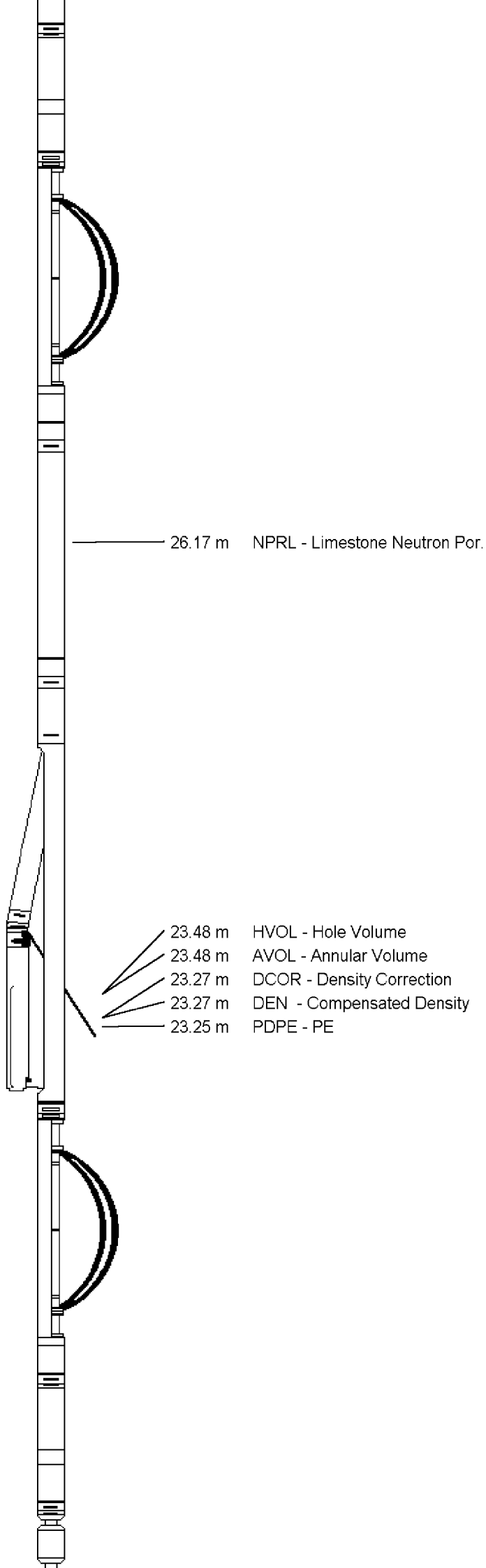
Compact Neutron  
MDN 42    Length: 1.53 m    Weight: 50.71 lb

Compact Density/Caliper  
MPD 66    Length: 2.92 m    Weight: 90.39 lb

Compact Inline Bowspring A  
MIS 25    Length: 1.74 m    Weight: 33.07 lb

Compact Swivel Head Adaptor  
SHA 28    Length: 0.83 m    Weight: 26.46 lb

Compact Knuckle Joint  
SKJ 45    Length: 0.66 m    Weight: 24.25 lb





CRS 10 Length: 0.65 m Weight: 21.25 lb

Compact Inline Standoff B  
MIS 31 Length: 0.65 m Weight: 15.43 lb

Compact Upper Guard Sub.  
MUG 16 Length: 2.74 m Weight: 68.34 lb

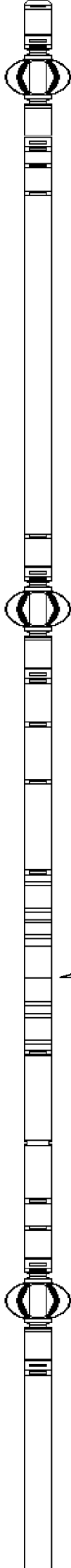
Compact Inline Standoff B  
MIS 73 Length: 0.65 m Weight: 15.43 lb

Compact Laterolog Electrode Sub.  
MLE 5 Length: 3.76 m Weight: 92.59 lb

13.35 m DSL - Shallow Laterolog  
13.35 m DDL - Deep Laterolog

Compact Inline Standoff B  
MIS 30 Length: 0.65 m Weight: 15.43 lb

Compact Lower Guard Sub.  
MLG 9 Length: 2.44 m Weight: 55.12 lb



Compact Inline Standoff B  
MIS 130 Length: 0.65 m Weight: 15.43 lb

Compact Sonic  
MSS 47 Length: 3.82 m Weight: 72.75 lb

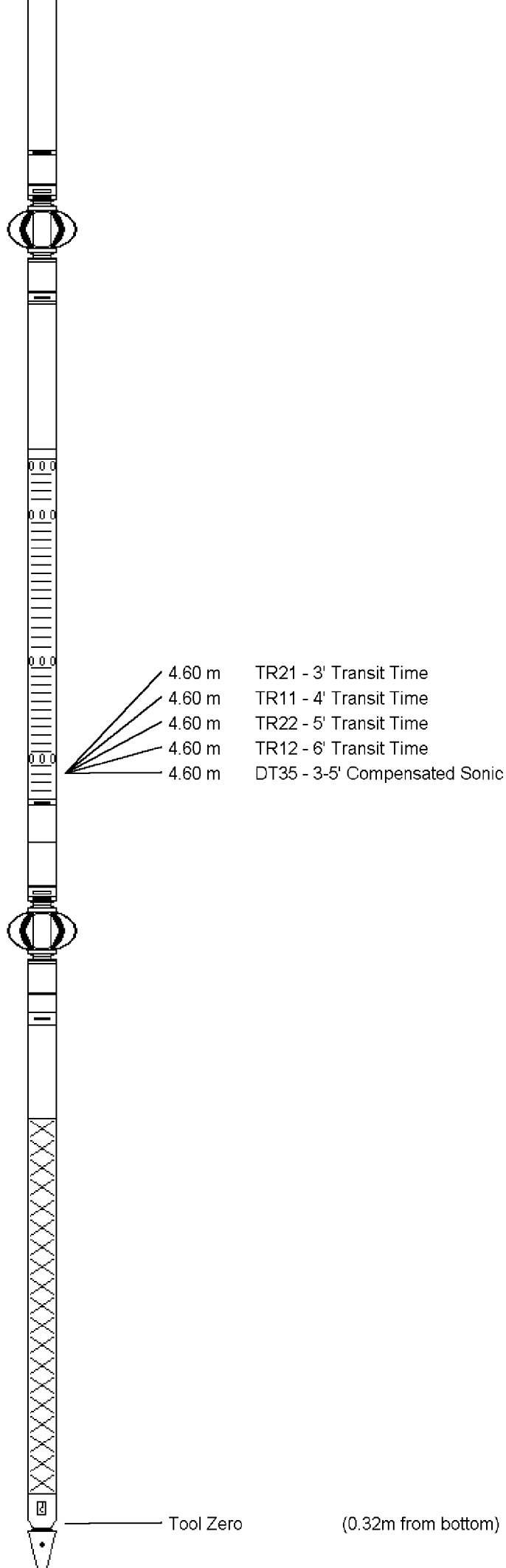
Compact Inline Standoff B  
MIS 128 Length: 0.65 m Weight: 15.43 lb

Compact Induction  
MAI 39 Length: 3.29 m Weight: 48.50 lb

Pressure Bung + Hole Finder  
HFS 3 Length: 0.28 m Weight: 6.61 lb

Total Length: 49.23 m

Total Weight: 1144.20 lb



COMPANY	ESSO AUSTRALIA PTY. LTD.				
WELL	FLOUNDER A-17a				
FIELD	GIPPSLAND BASIN				
PROVINCE/COUNTY	BASS STRAIT				
COUNTRY/STATE	AUSTRALIA				

Elevation Kelly Bushing		metres	First Reading	2859.80	metres
Elevation Drill Floor	33.85	metres	Depth Driller	2878.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2865.40	metres

Reeves

DUAL LATEROLOG - GR  
1:200 TVD