

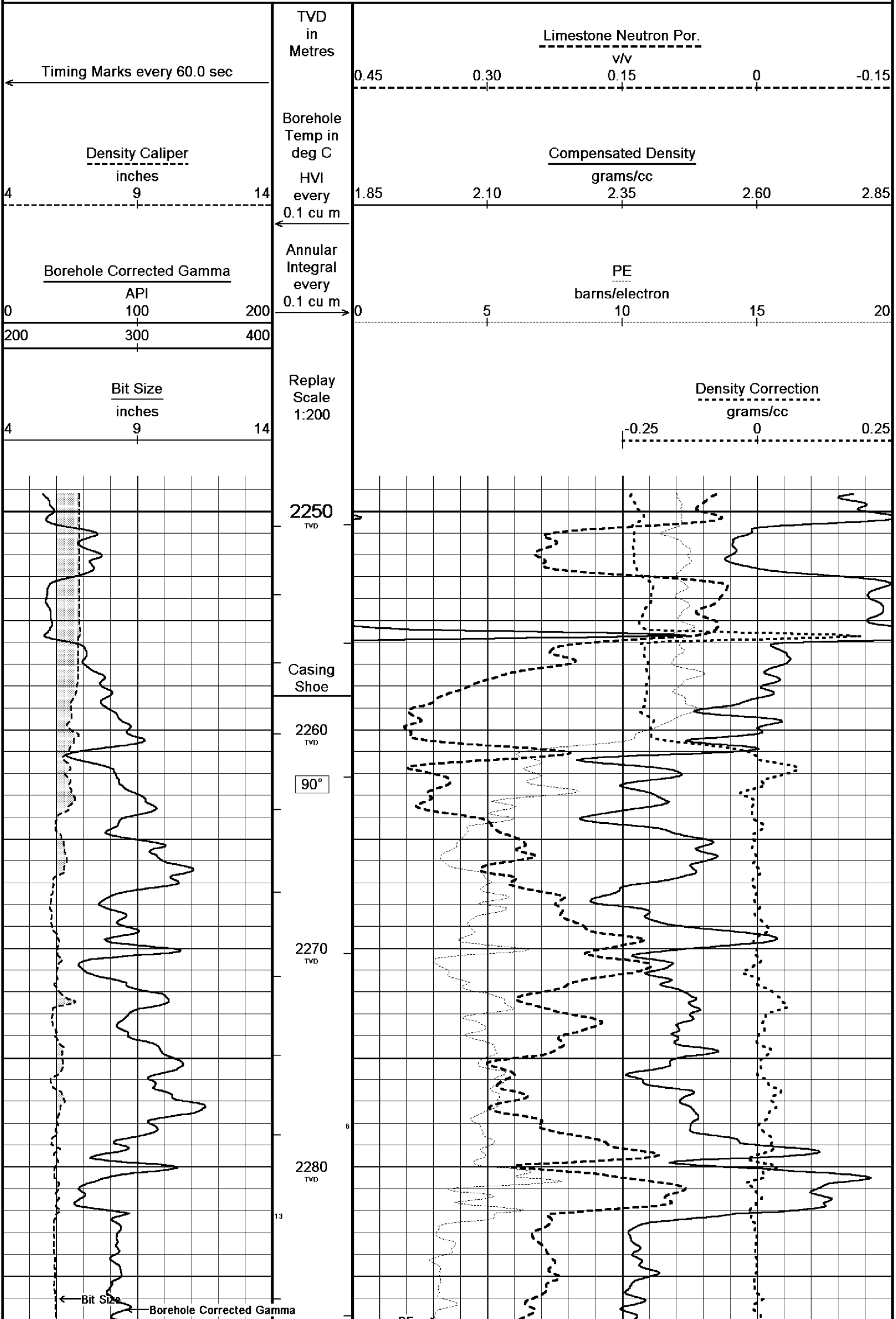
Reeves

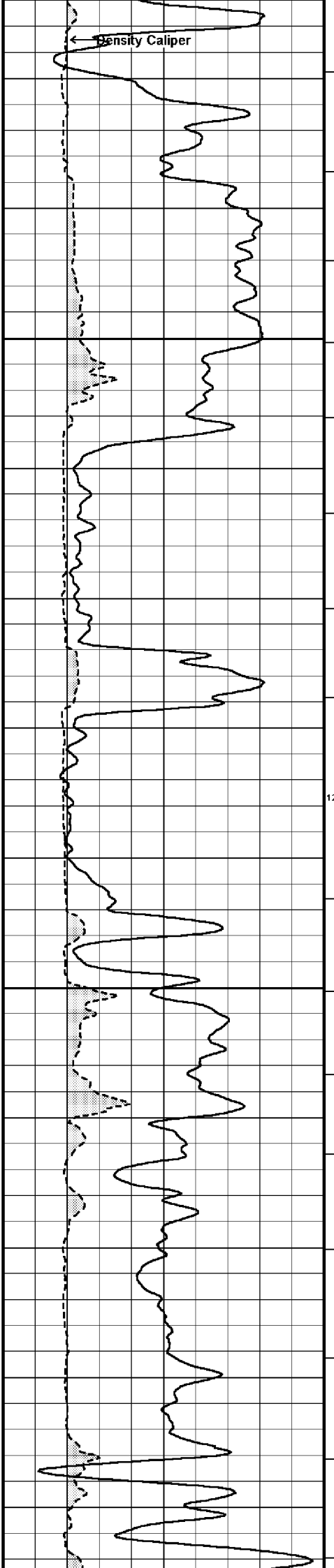
PHOTO DENSITY COMPENSATED NEUTRON 1:200 TVD

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
API Number	Other Services DUAL LATEROLOG COMPENSATED SONIC		
Permit Number			
Permanent Datum MSL	, Elevation 0 metres		Elevations: KB metres DF 33.85 metres GL -93.00 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/PHPA/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.





92°

2290
TVD

2300
TVD

2310
TVD

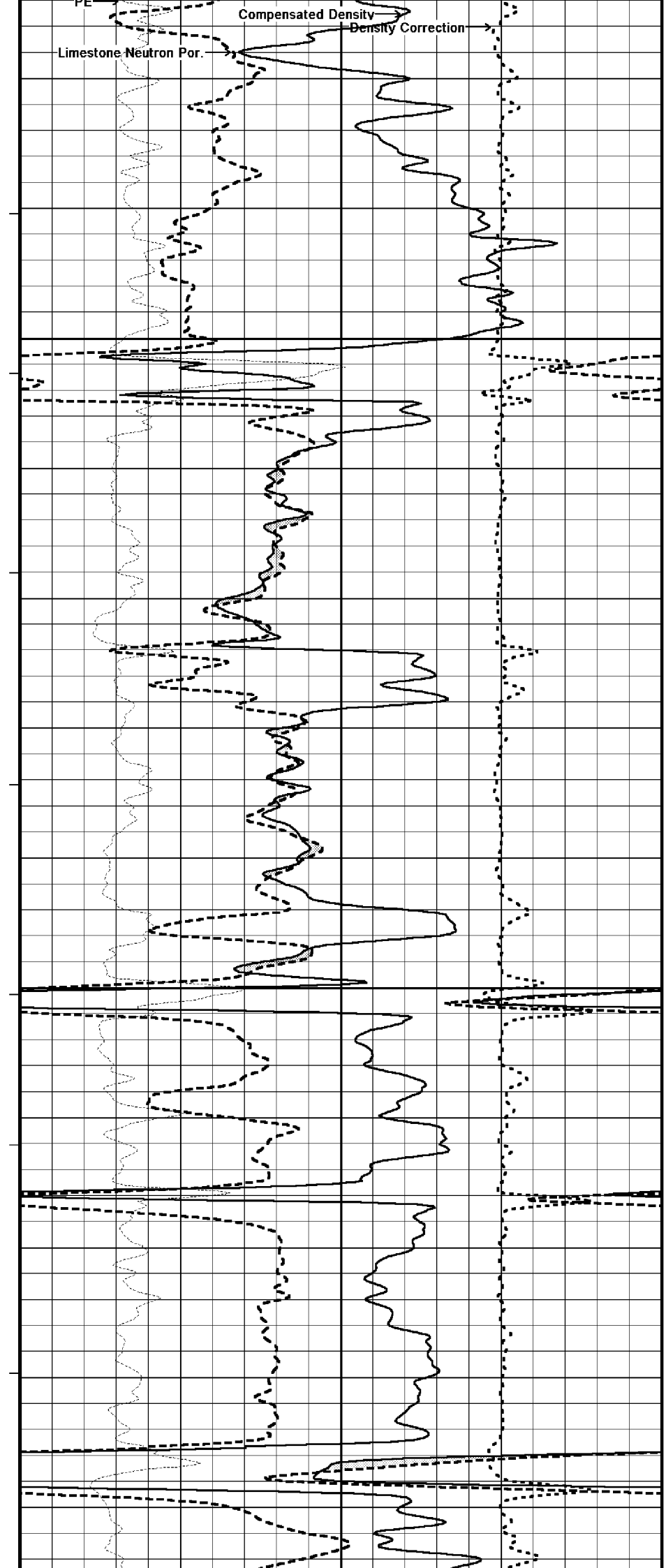
93°

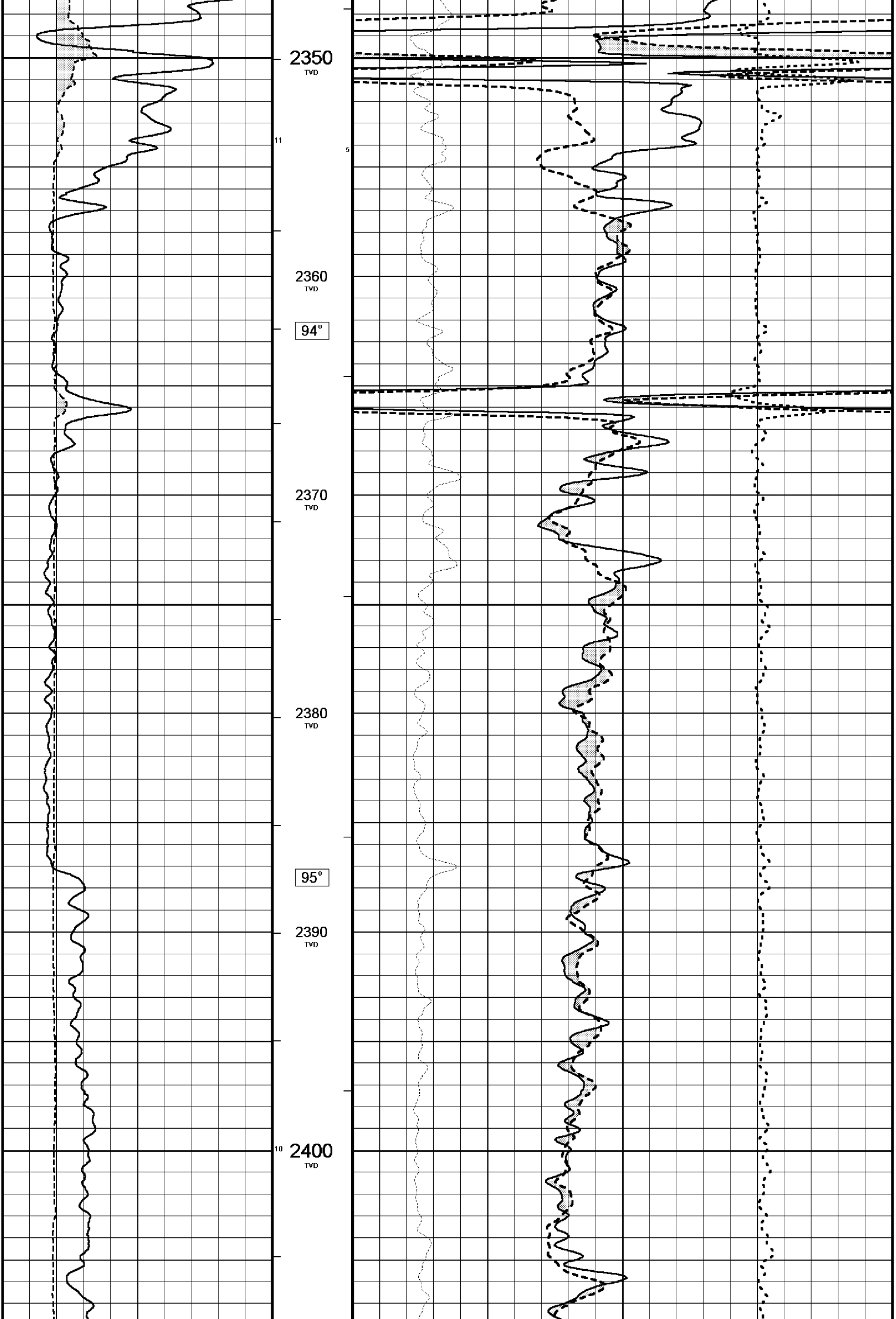
2320
TVD

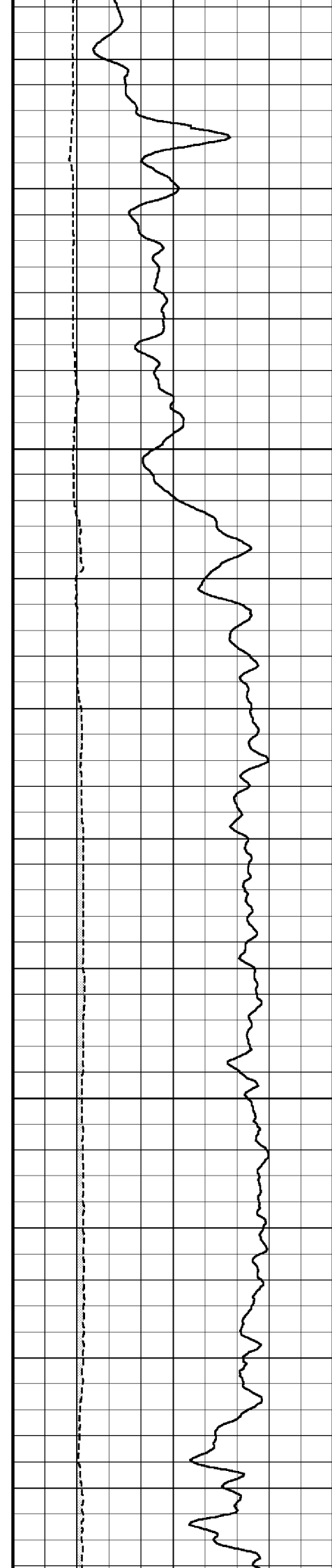
2330
TVD

94°

2340
TVD







2410
TVD

96°

2420
TVD

2430
TVD

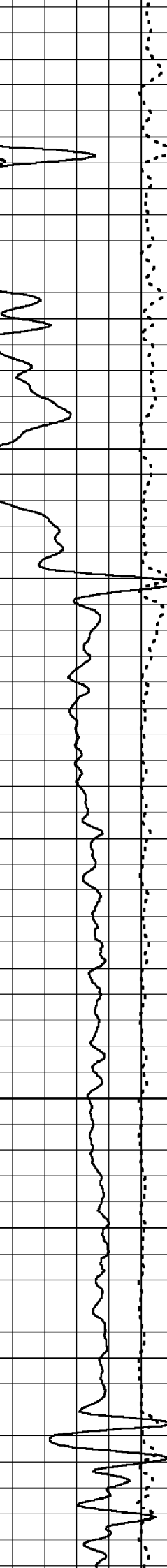
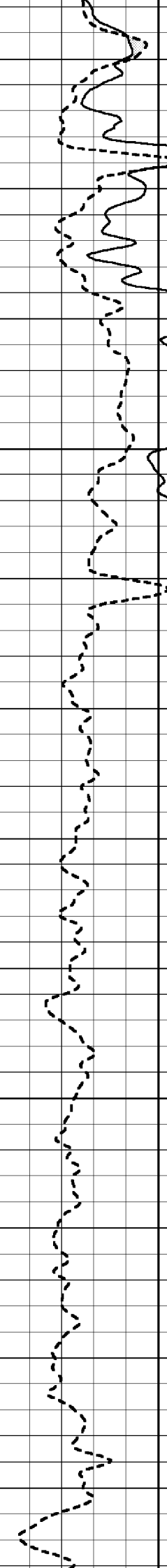
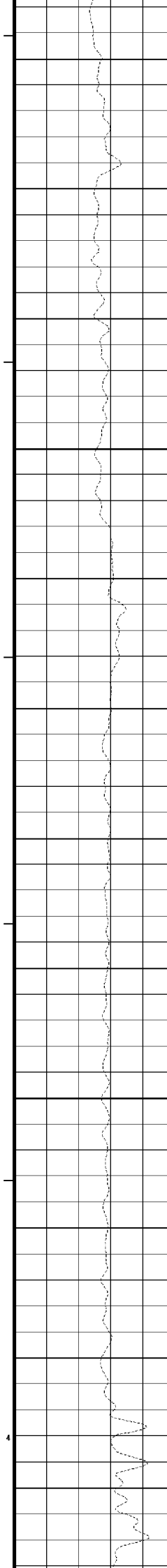
96°

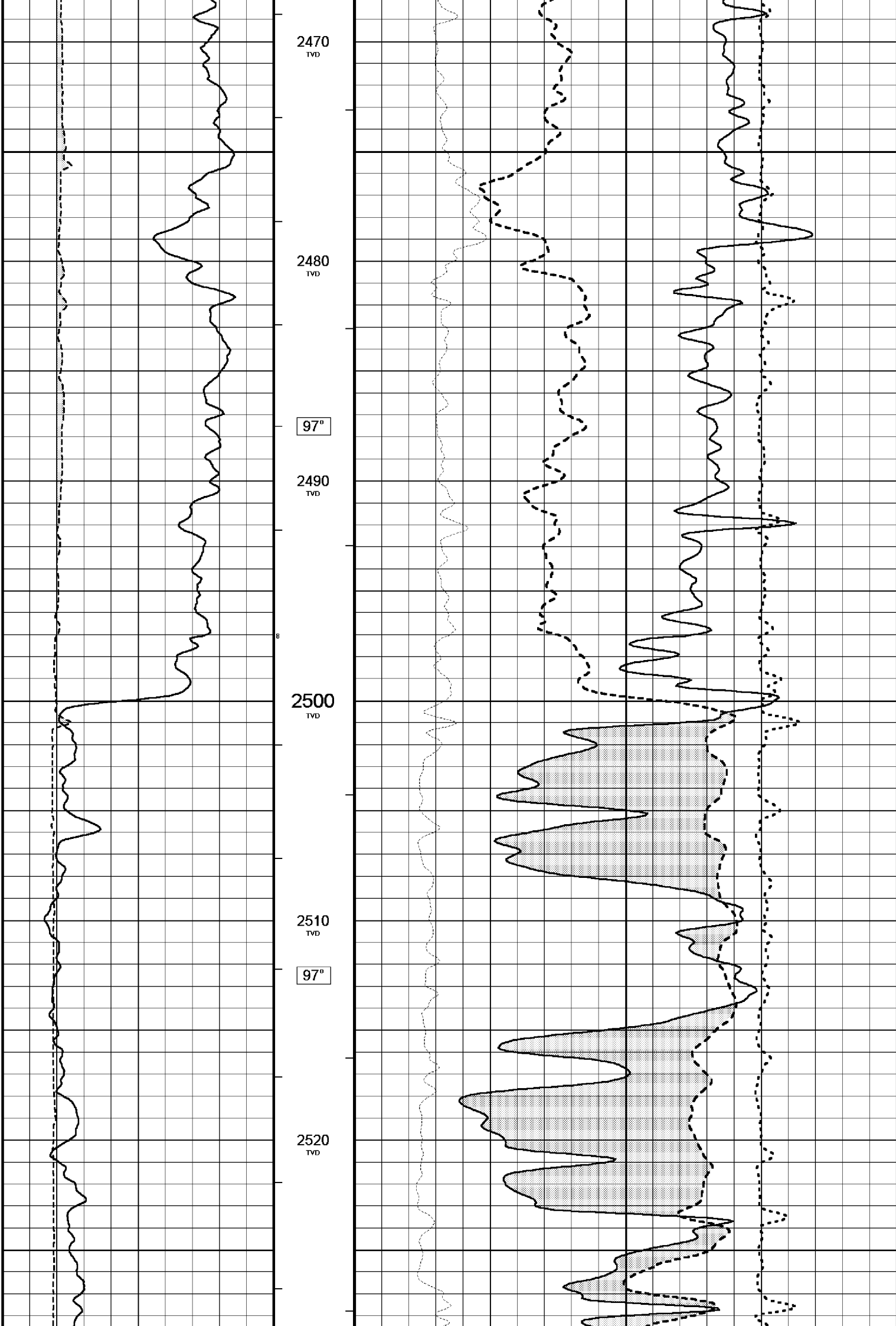
2440
TVD

2450
TVD

2460
TVD

96°





2530
TVD

97°

2540
TVD

2550
TVD

2560
TVD

97°

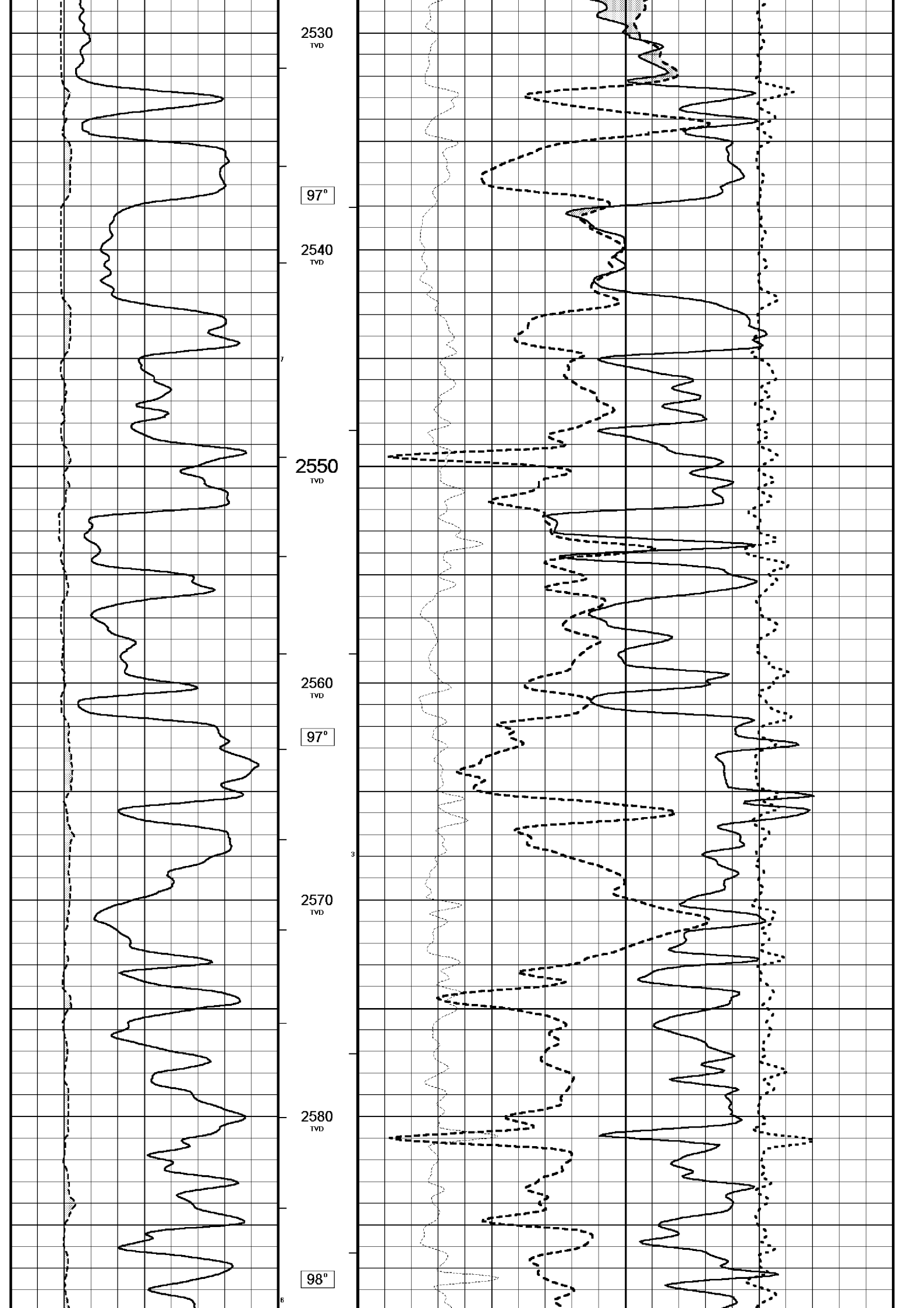
2570
TVD

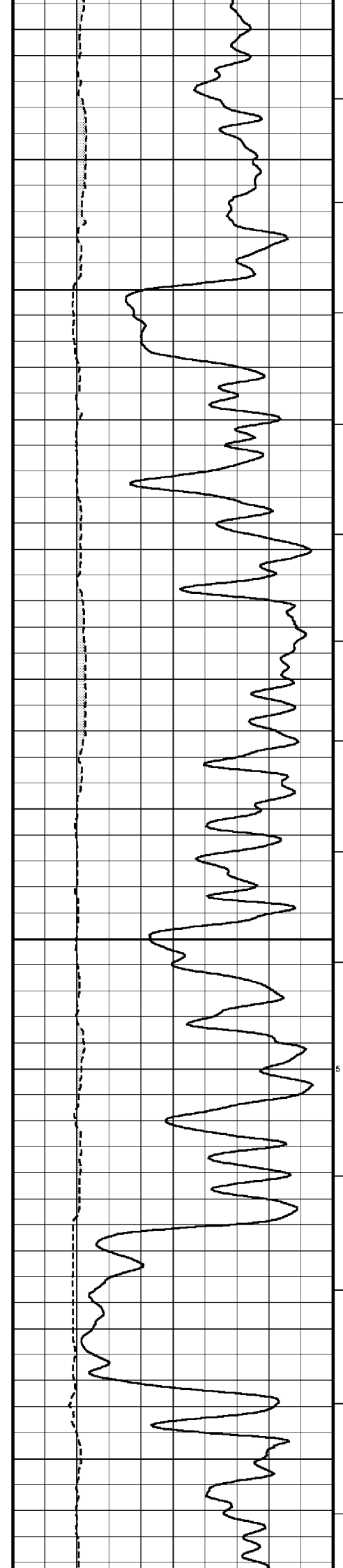
2580
TVD

98°

3

6





2590
TVD

2600
TVD

2610
TVD

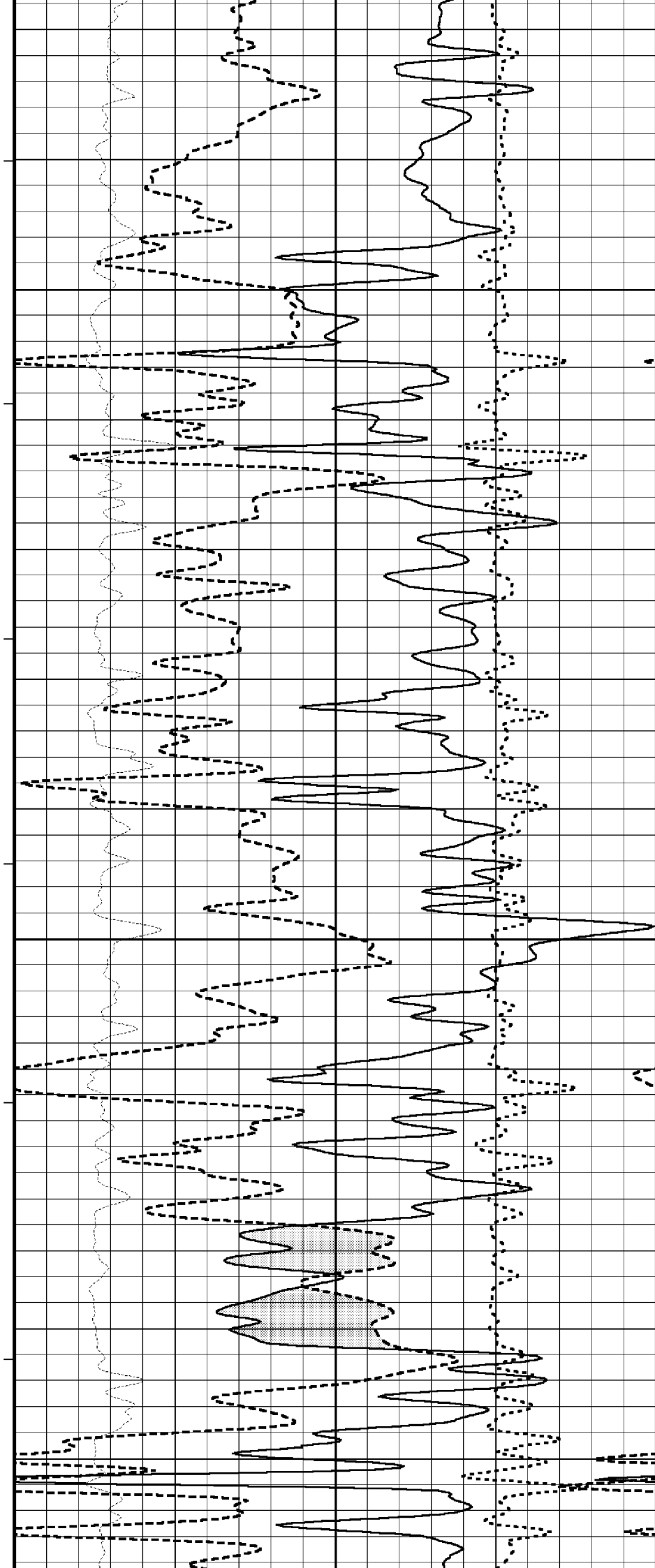
98°

2620
TVD

2630
TVD

97°

2640
TVD



2650
TVD

2660
TVD

97°

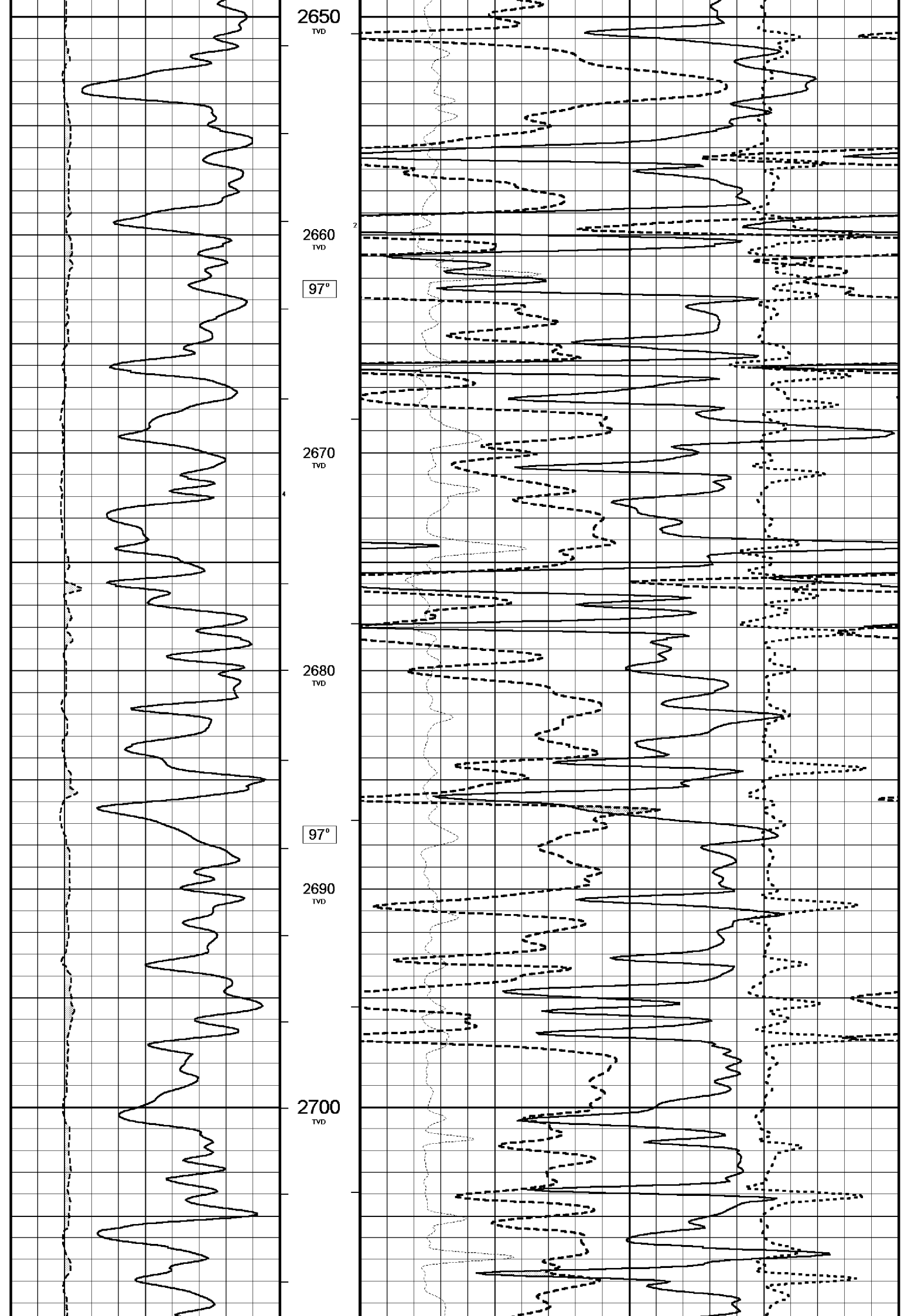
2670
TVD

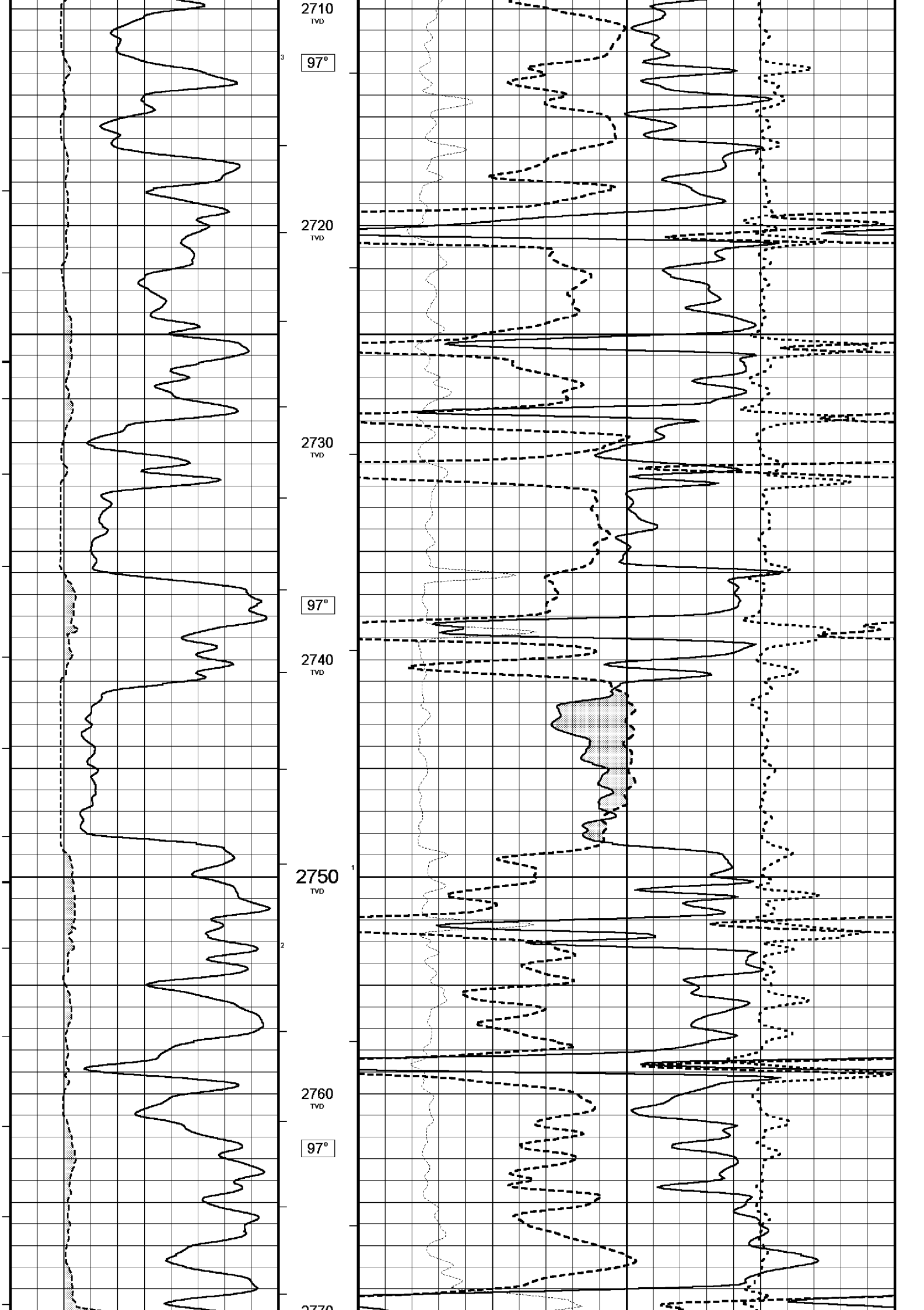
2680
TVD

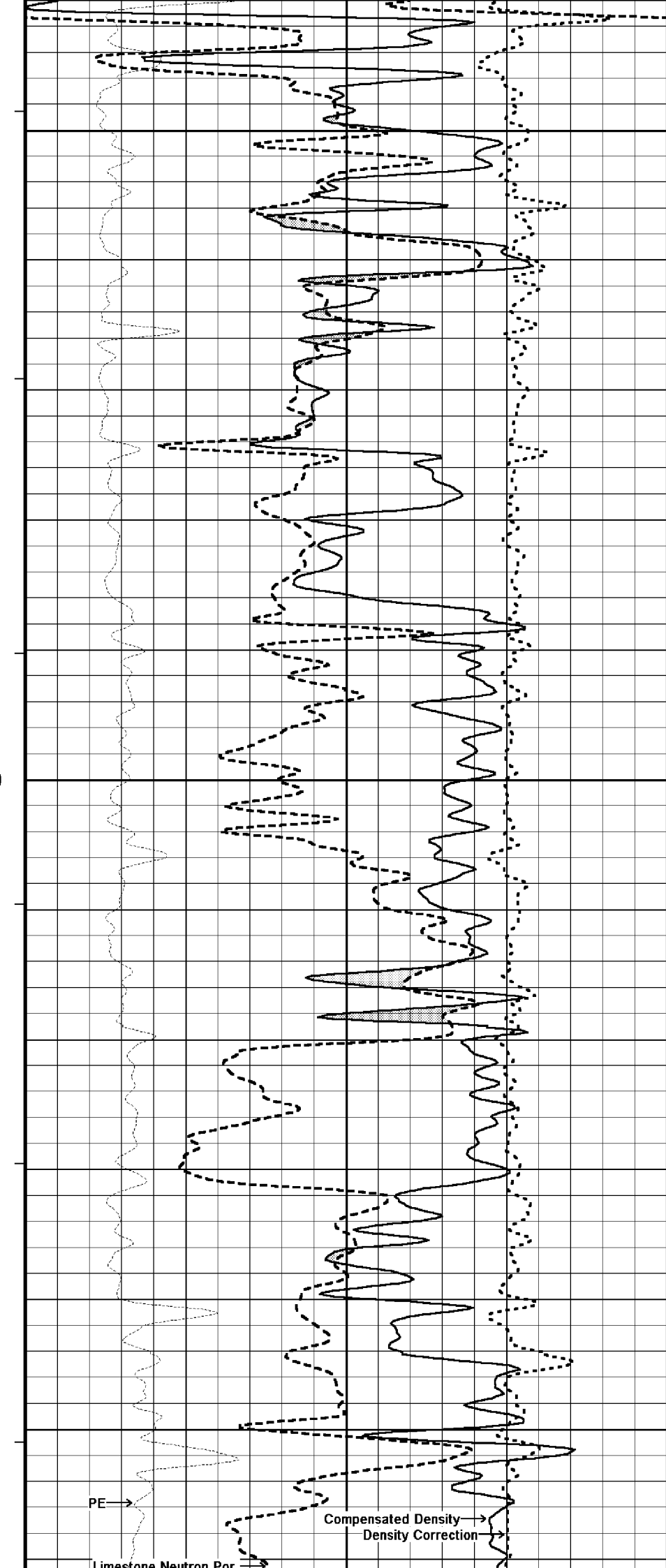
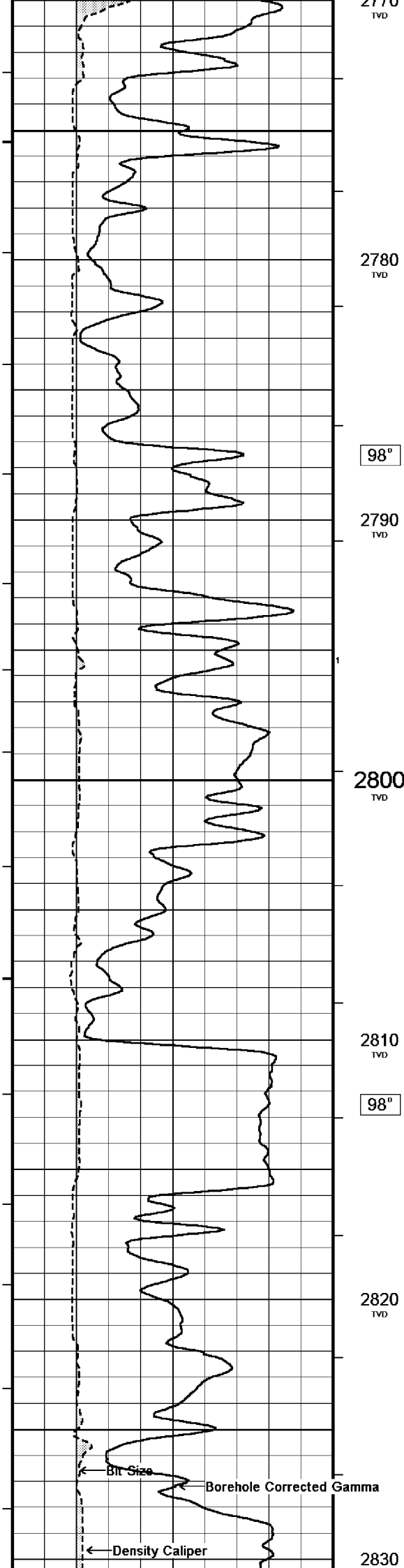
97°

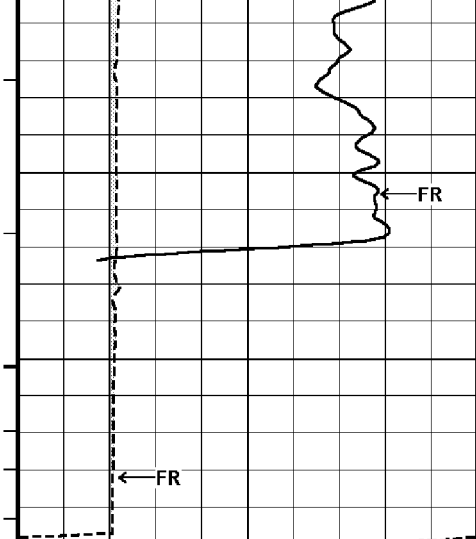
2690
TVD

2700
TVD

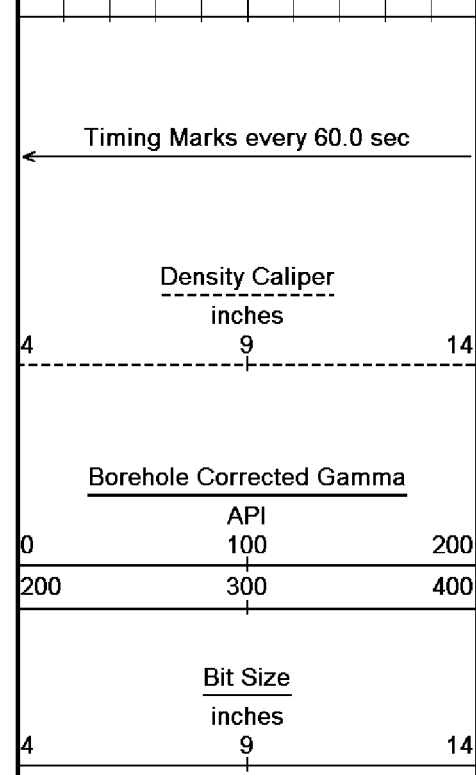
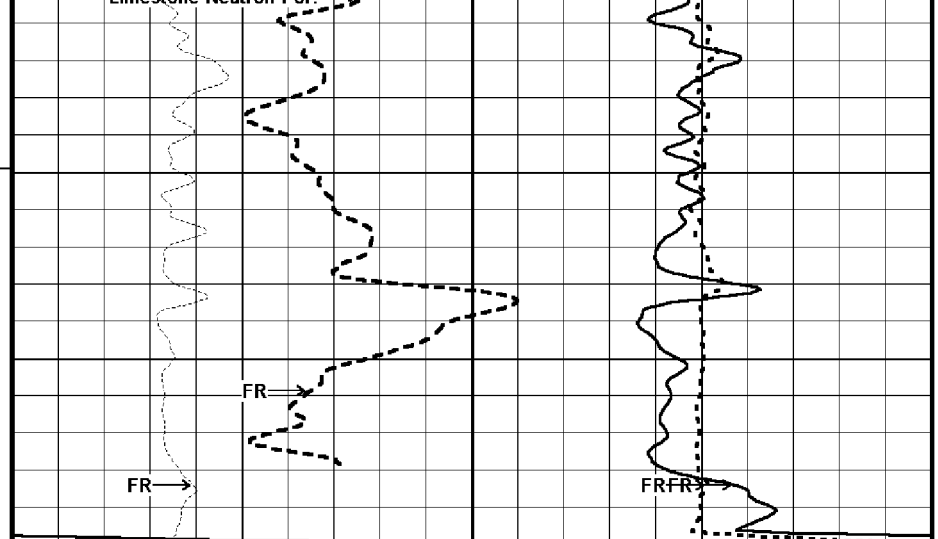




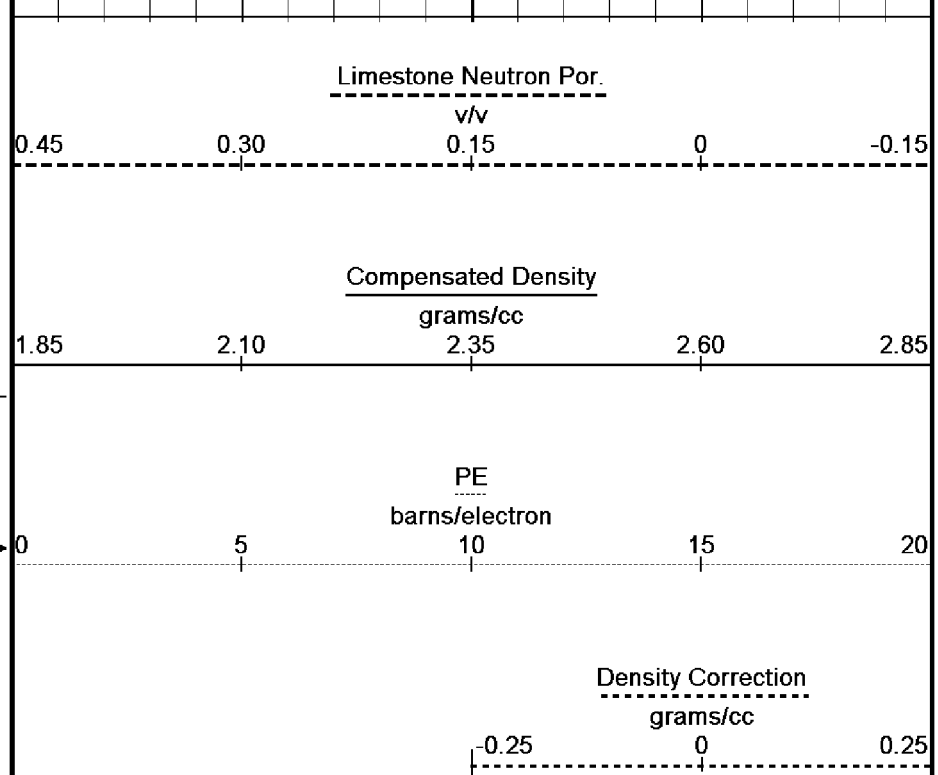




TVD
111°
2840
TVD
2850
TVD
2860
TVD
2870
TVD
in Metres



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_MPD.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				
	Measured	Calibrated(Deg C)	Field Calibration on 9-AUG-2002,07:03	
Lower	20.50	20.00		
Upper	51.00	50.00		
High Resolution Temperature Constants MCG 043				
Pre-filter Length	11			
Gamma Calibration MCG 043				
	Measured	Calibrated (API)	Field Calibration on 15-AUG-2003 19:05	
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		
Neutron Calibration MDN 042				
			Base Calibration on 2-AUG-2003 10:04	
			Field Check on 15-AUG-2003 20:39	
Base Calibration				
	Measured	Calibrated (cps)		
	Near Far	Near Far		
	3104 98	3714 110		
Ratio	31.769	33.764		
Field Calibrator at Base				
		Calibrated (cps)		
		1679 2371		
Ratio		0.708		
Field Check				
		Calibrated (cps)		
		1692 2398		
Ratio		0.706		
Neutron Constants MDN 042				
Neutron Source Id	NSN-E-739			
Neutron Jig Number	NE-C-052			
Epithermal Neutron	No			
Caliper Source for Processing	Density Caliper			

Stand-off	0.00	inches
Mud Density	1.15	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	MCG External Temperature	
Temperature	20.00	degrees C
Mud Salinity	42.30	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

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

Photo Density Calibration MPD 066

Base Calibration on 2-AUG-2003 14:56

Field Check on 15-AUG-2003 20:32

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	53064	18614	53282	19349
Reference 2	24973	2526	25298	2555

Field Check at Base

980.9 1146.2

Field Check

969.2 1145.5

PE Calibration

Base Calibration	Measured		Calibrated
	WS	WH	Ratio
Background	188	856	
Reference 1	16447	52883	0.313
Reference 2	6593	24840	0.267

Field Check at Base

187.7 855.8

Field Check

188.0 845.9

Density Constants MPD 066

Density Source Id	242	
Nylon Calibrator Number	517	
Aluminium/Fe Calibrator Number	517	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.15	gm/cc
Mud Density Z/A Correction	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc

Matrix Density (gm/cc) Depth (m)

2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

0.00
0.00
0.00

0.00
0.00

DOWNHOLE EQUIPMENT
All measurements relative to tool zero.

Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 44.09 lb

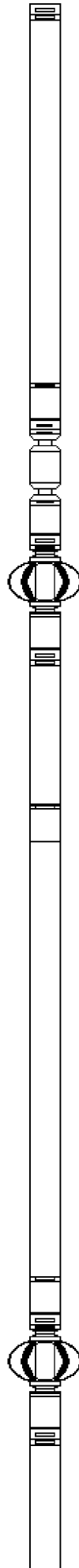
Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.25 lb

Compact Inline Standoff B
MIS 135 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 18 Length: 3.76 m Weight: 94.80 lb

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

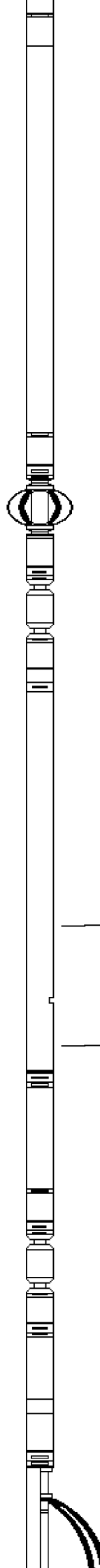
Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.93 lb

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

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



32.22 m GRGC - Gamma Ray

31.33 m CGXT - MCG External Temperature

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

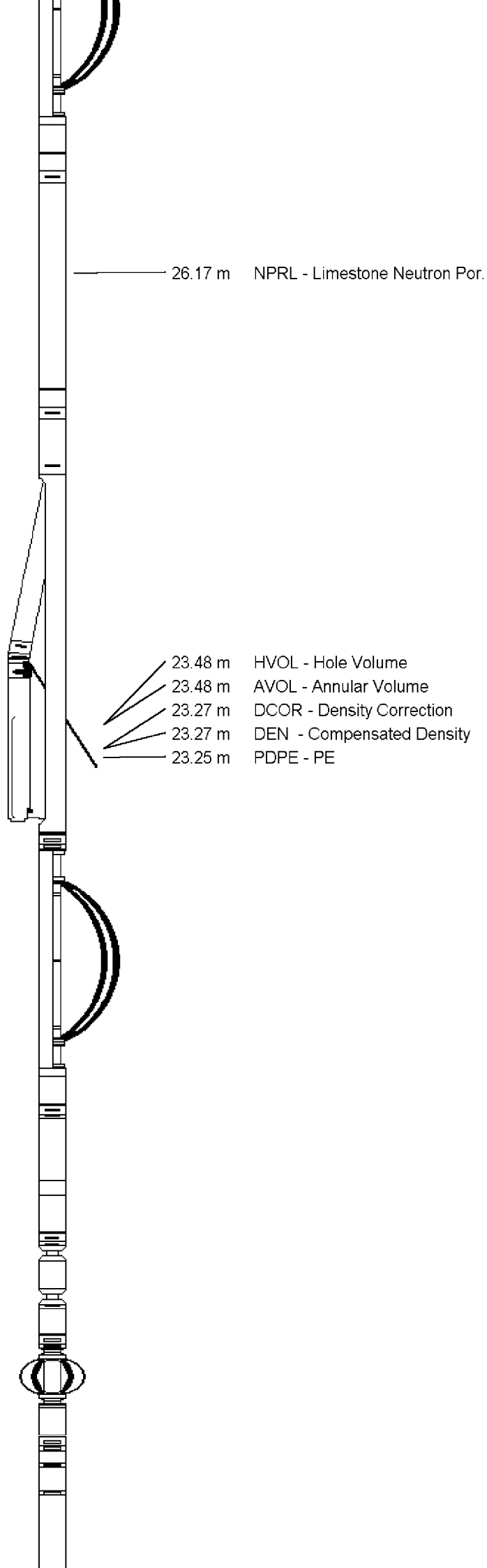
Compact Inline Bowspring A
MIS 25 Length: 1.74 m Weight: 33.07 lb

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

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

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

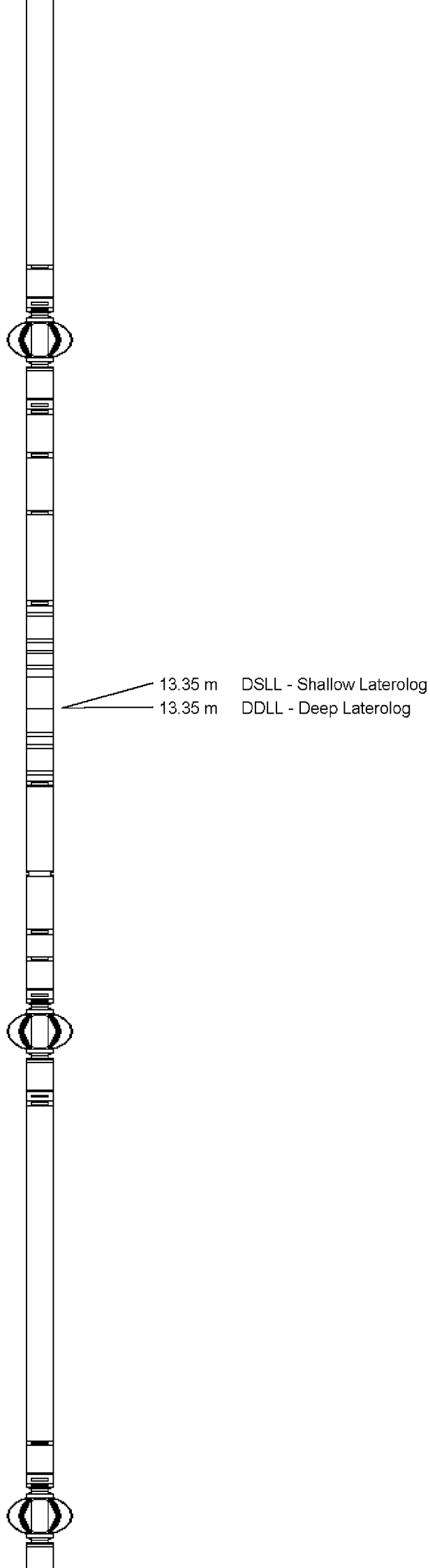




PHOTO DENSITY
COMPENSATED NEUTRON
1:200 TVD