

Reeves

COMPENSATED SONIC 1:200 TVD

COMPANY				ESSO AUSTRALIA PTY. LTD.			
WELL				FLOUNDER A12a			
FIELD				GIPPSLAND BASIN			
PROVINCE/COUNTY				BASS STRAIT			
COUNTRY/STATE				AUSTRALIA			
LOCATION				5758709.11 m N, 625849.47 m E 38°18'39.173" S, 148°26'21.833" E			
LSD	SEC	TWP	RGE	Other Services DUAL LATEROLOG PHOTO DENSITY			
API Number				COMPENSATED NEUTRON			
Permit Number							
Permanent Datum MSL				, Elevation 0 metres			
Log Measured From RT				@33.85 metres above Permanent Datum			
Drilling Measured From RT							
Date	12-APR-2003			Elevations: KB 33.85 metres DF 33.85 metres GL -93.00 metres			
Run Number	1						
Depth Driller	2636.40			metres			
Depth Logger	2637.40			metres			
First Reading	2636.90			metres			
Last Reading	1084.00			metres			
Casing Driller	754.70			metres			
Casing Logger	754.50			metres			
Bit Size	8.50			inches			
Hole Fluid Type	KC/PHPA/GLY						
Density / Viscosity	9.90 lb/USg			68.00 sec/cst			
PH / Fluid Loss	9.40			2.50 ml/30Min			
Sample Source	FLOWLINE						
Rm @ Measured Temp	0.124 @ 25.0			ohm-m			
Rmf @ Measured Temp	0.113 @ 25.0			ohm-m			
Rmc @ Measured Temp	0.179 @ 25.0			ohm-m			
Source Rmf / Rmc	PRESS			PRESS			
Rm @ BHT	0.048 @ 100.0			ohm-m			
Time Since Circulation	17:45 HRS						
Max Recorded Temp	100.00			deg C			
Equipment Name	COMPACT						
Equipment / Base	1						
Recorded By	M.Barnes, R.Tench			G.McManus			
Witnessed By	E.Espiritu						
Circ. Stopped	08:00 11-APR						

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		0.00		2920.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	856.25	40.50
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
TOP OF WINDOW: 856.25m TOP OF WHIPSTOCK: 856.75m BTM OF WINDOW: 863.25m				
REEVES COMPACT WIRELINE TOOLS RUN ON SCHLUMBERGER UNIT.				
MPD CALIPER AND MMR CALIPER ARE INDEPENDENT OF EACH OTHER, DUE TO SWIVALS ABOVE AND BELOW DENSITY/NEUTRON SECTION.				
SPIKES IN DEEP LATEROLOG @ 2094m MD AND 2113m MD ARE INVALID.				
HTHP: 11.2 ml/30 min @ Deg 121 deg C.				
MAX DEVIATION: 53.8 DEGREES AT 2137.0 m. DOGLEG AT 892 M, WITH DLS > 6.0 DEGREES/30 m.				
REEVES CREW: M.BARNES, R.TENCH, G.MCMANUS. SCHLUMBERGER CREW: B.GLOVER, B.TAYLOR, J.LIGHT, R.DEGROOT.				

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.

MAIN LOG B 1:200

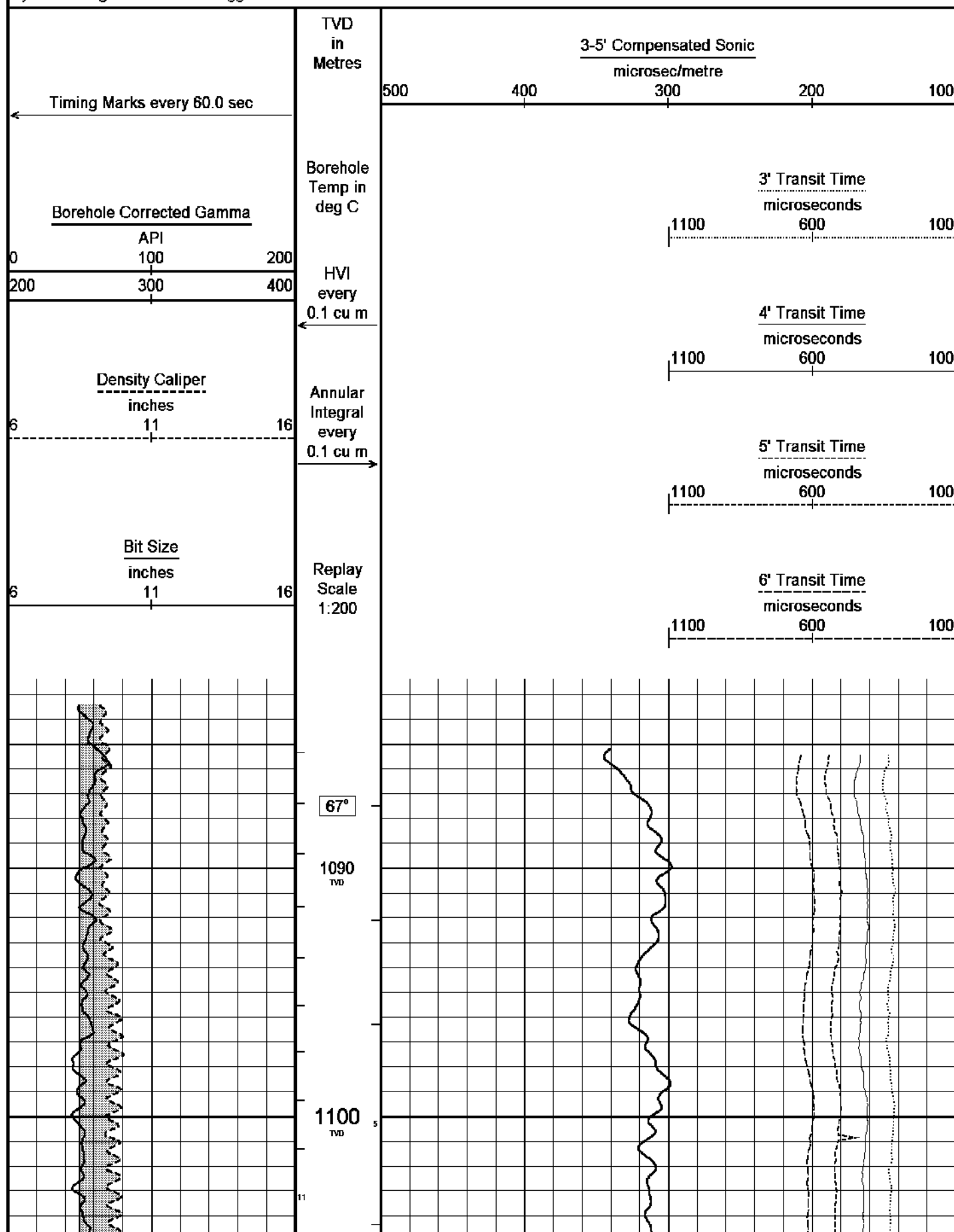
Depth Based Data - Maximum Sampling Increment 10.0cm

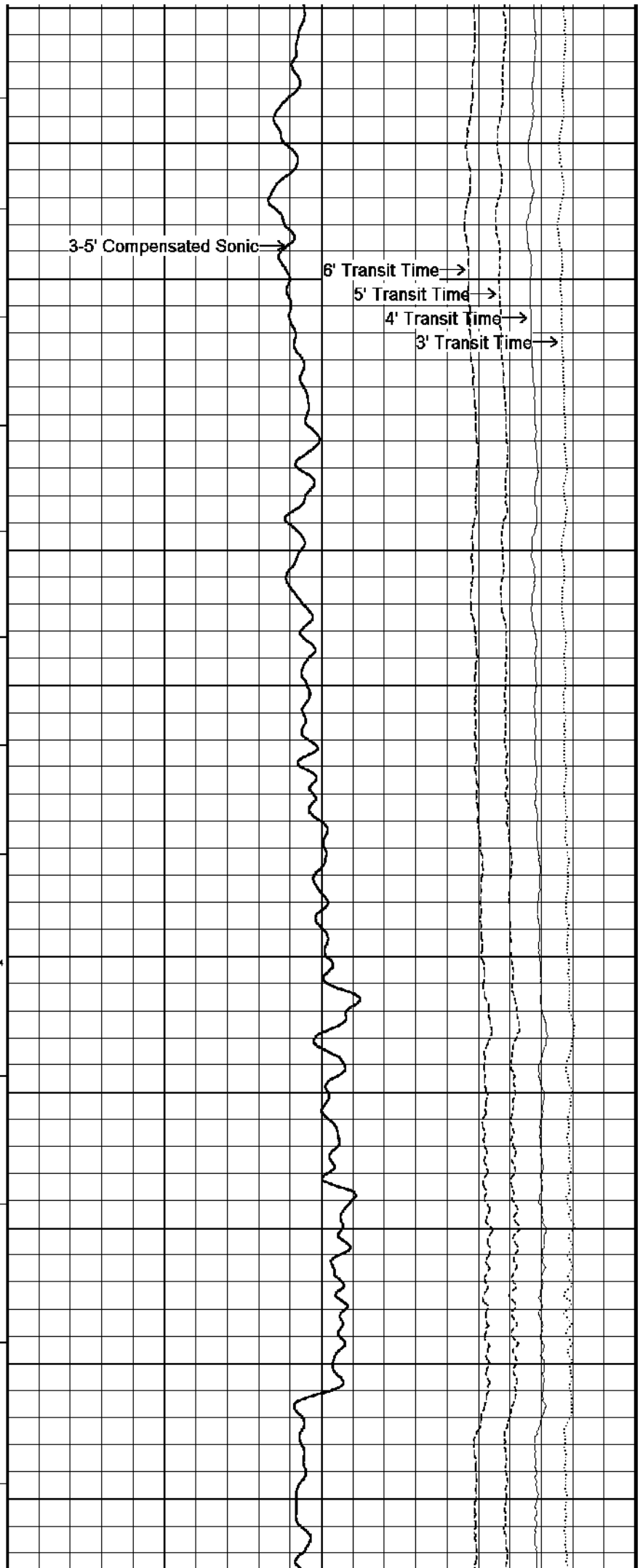
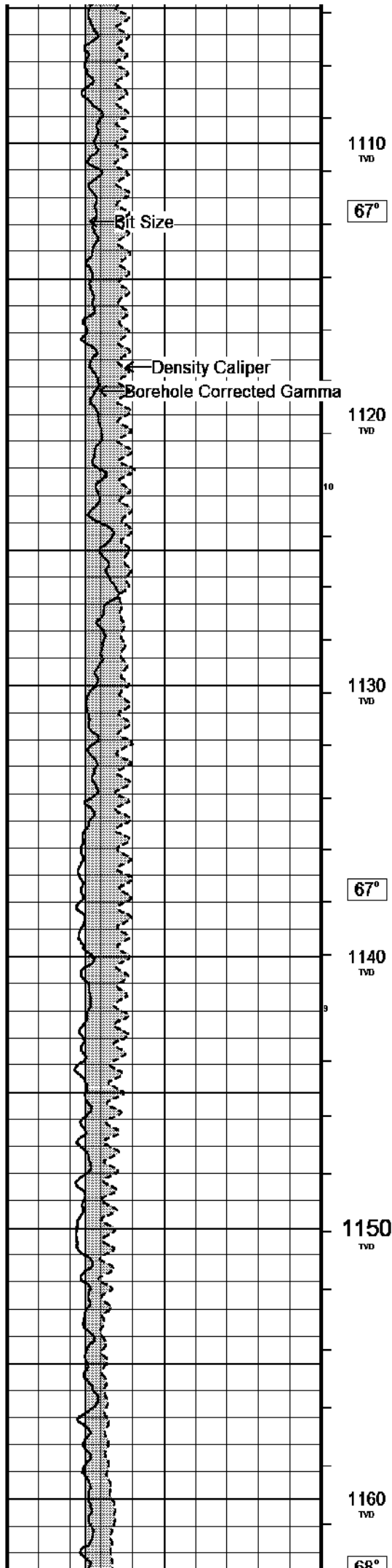
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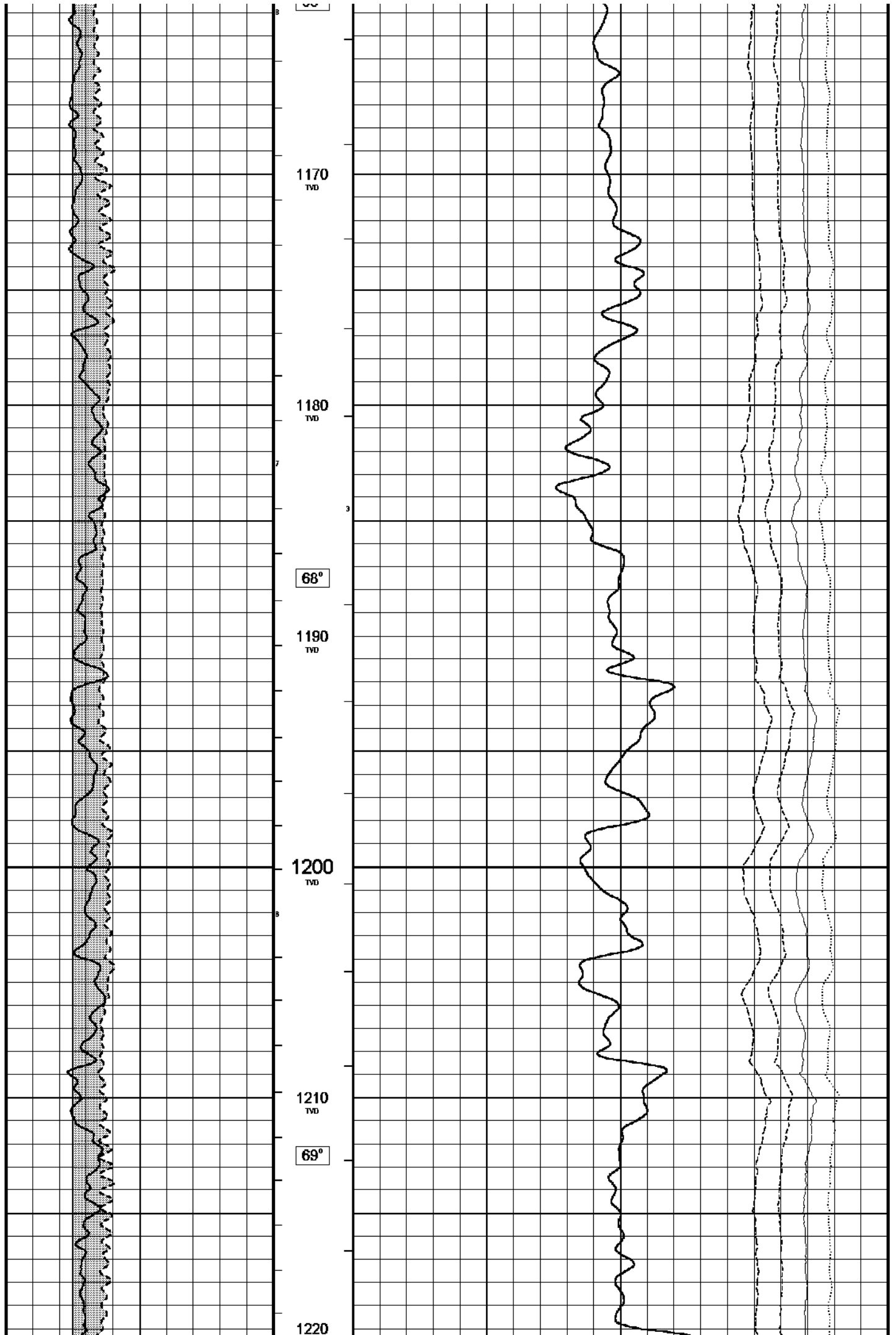
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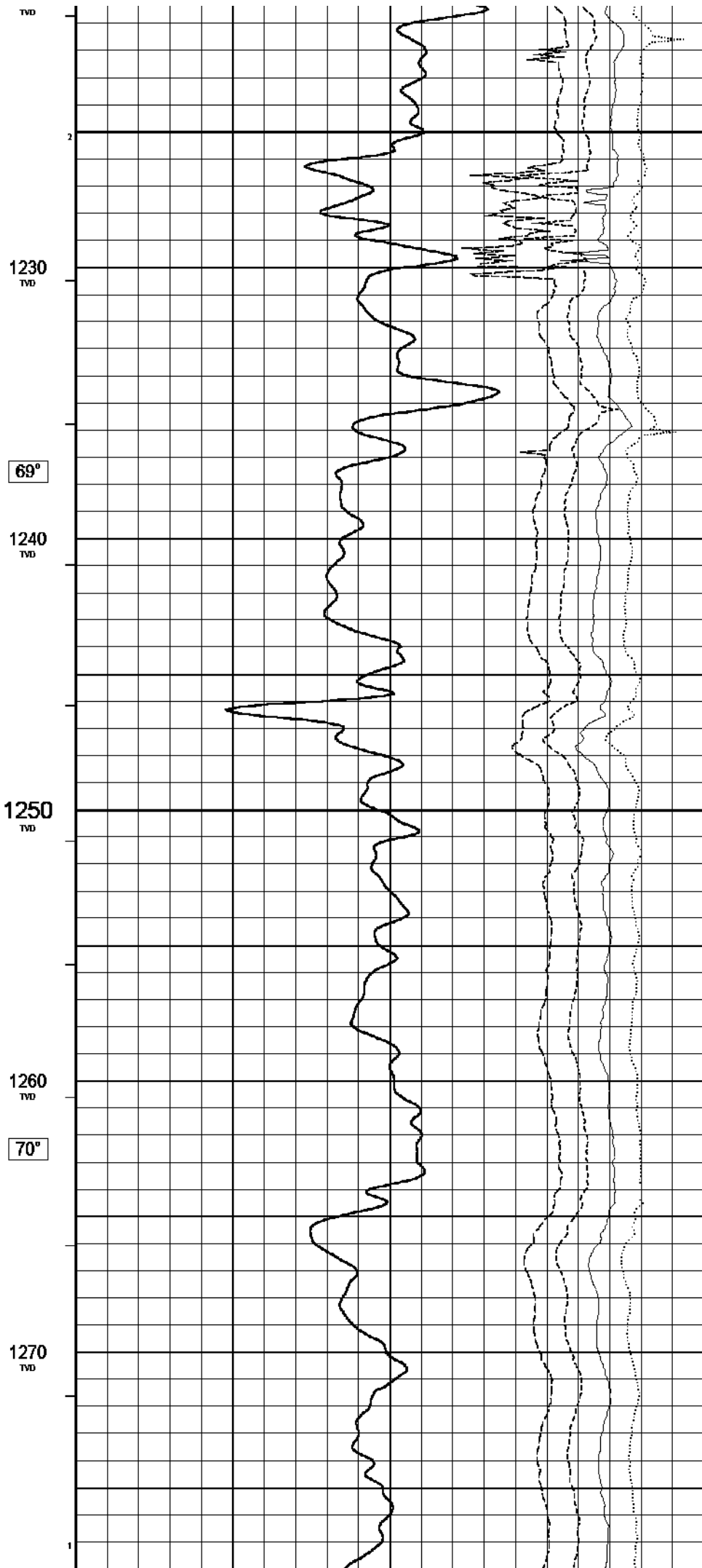
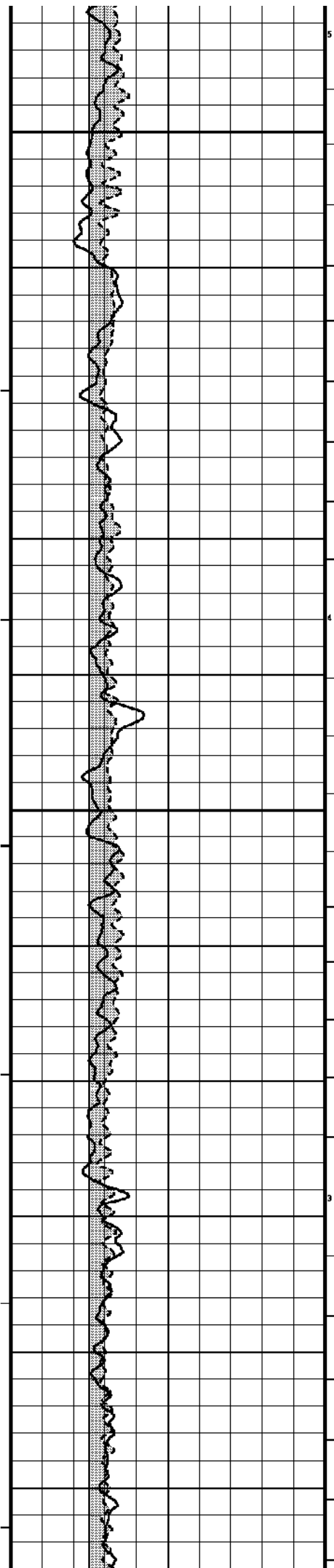
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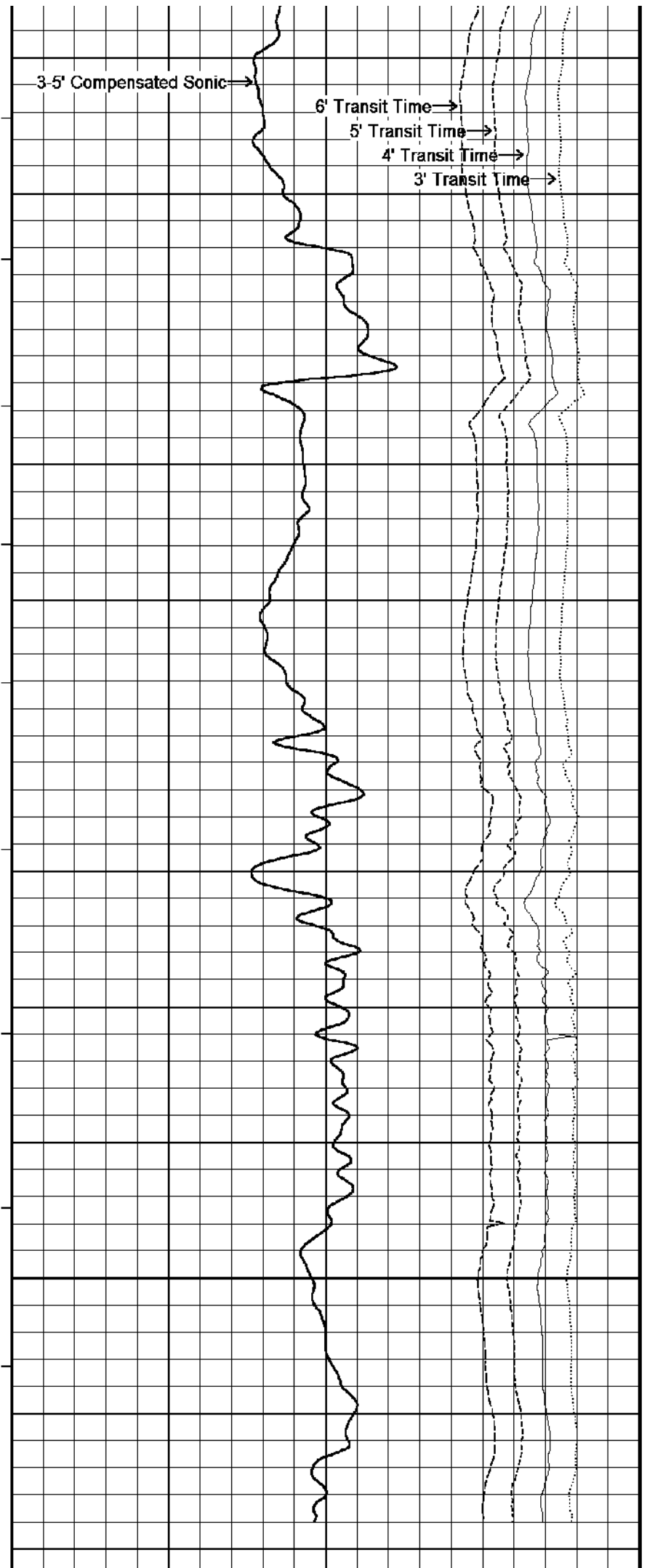
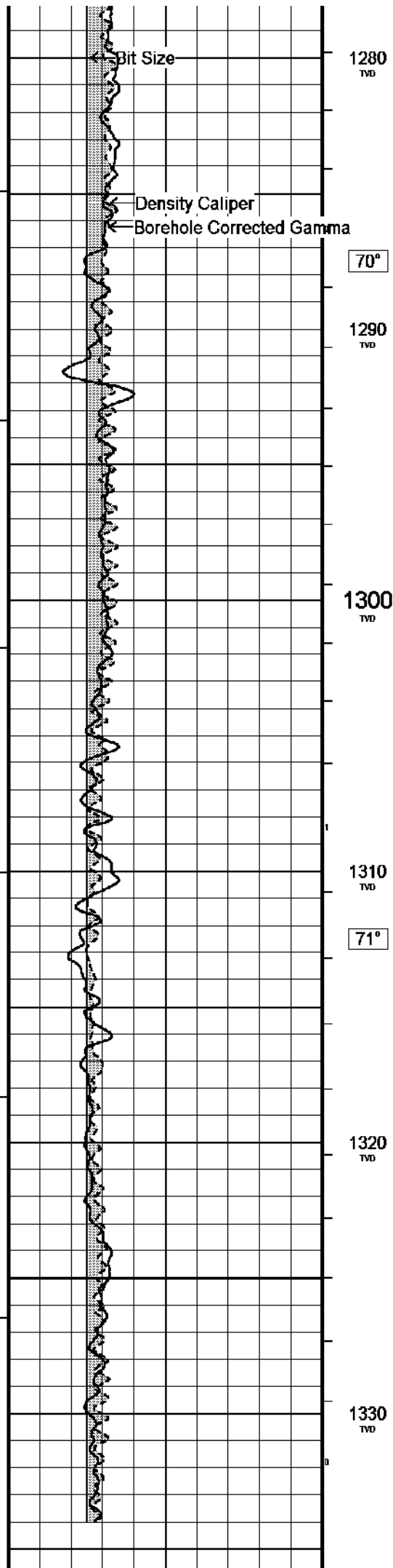
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:

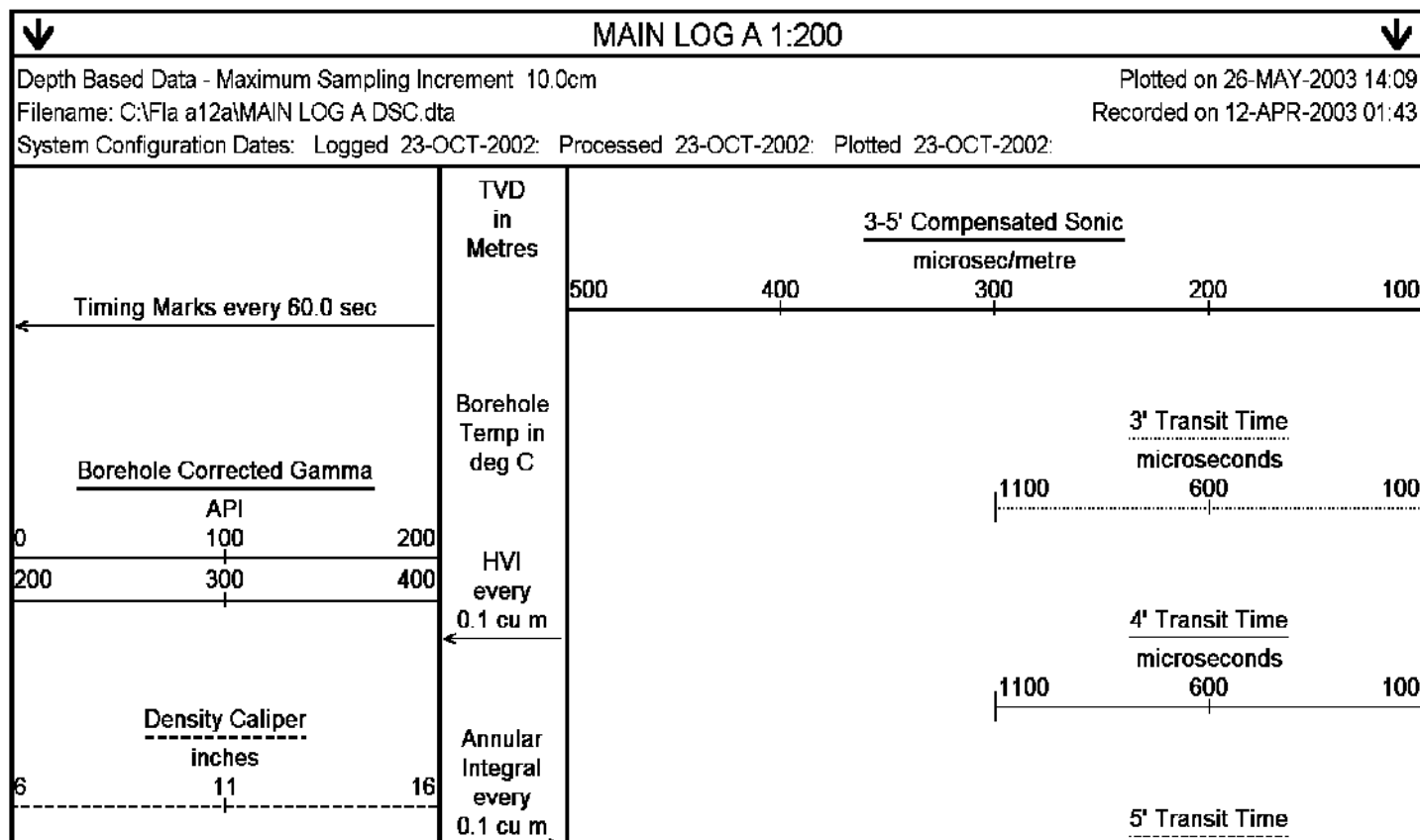
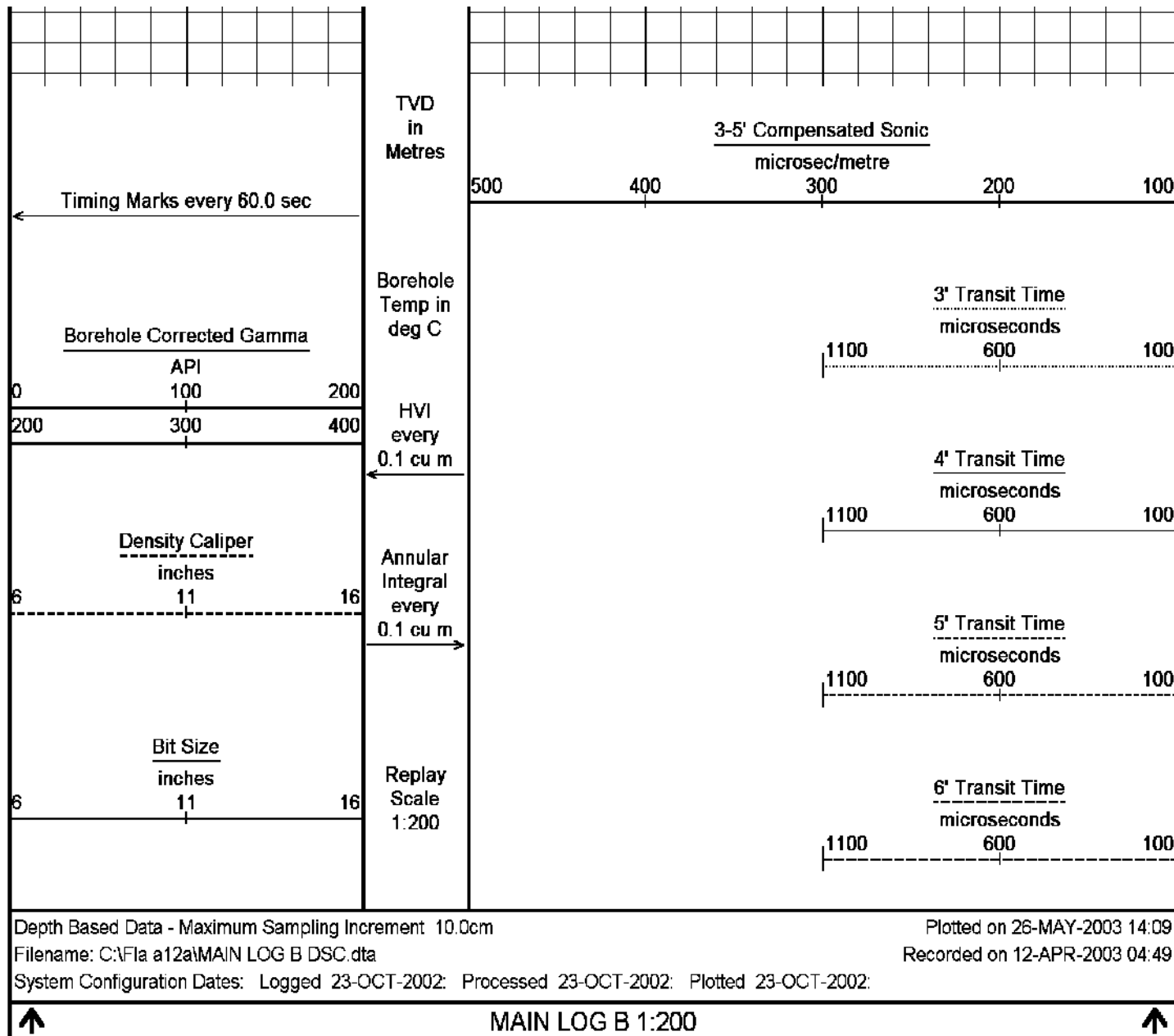


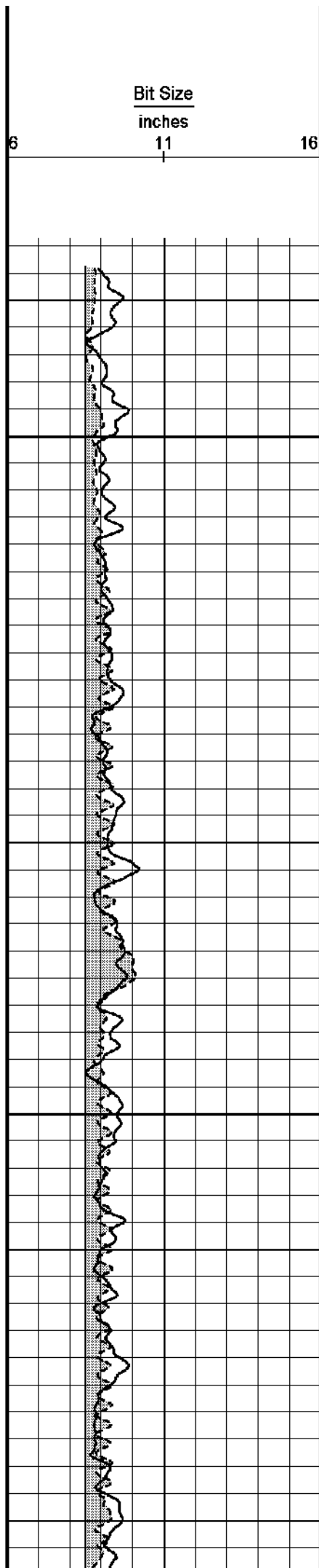












Replay
Scale
1:200

1850
TVD

1860
TVD

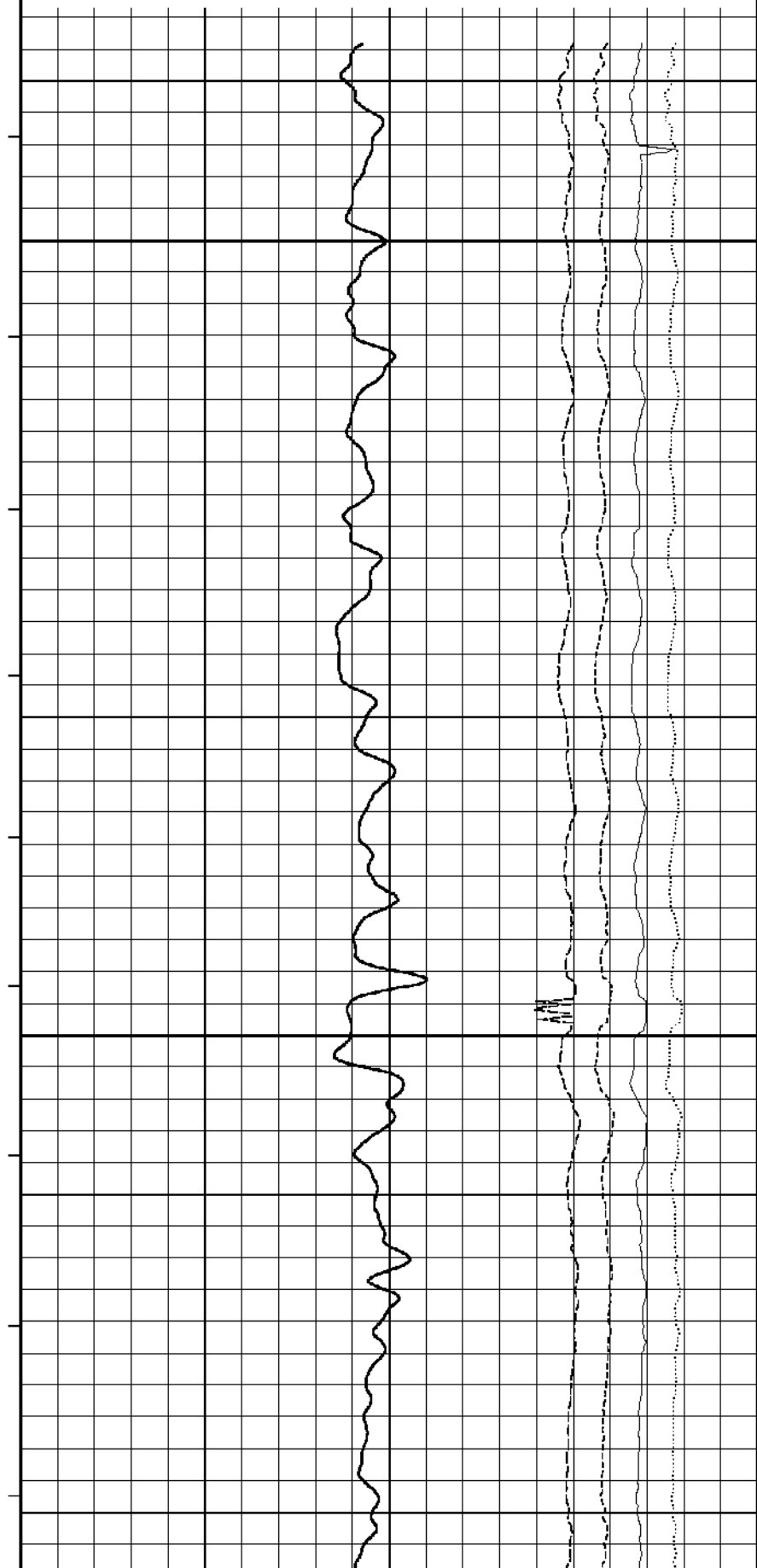
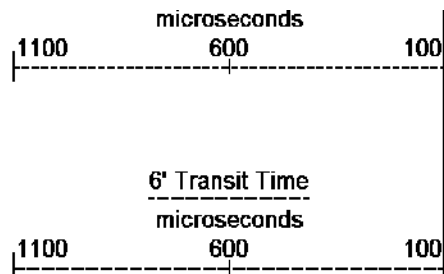
82°

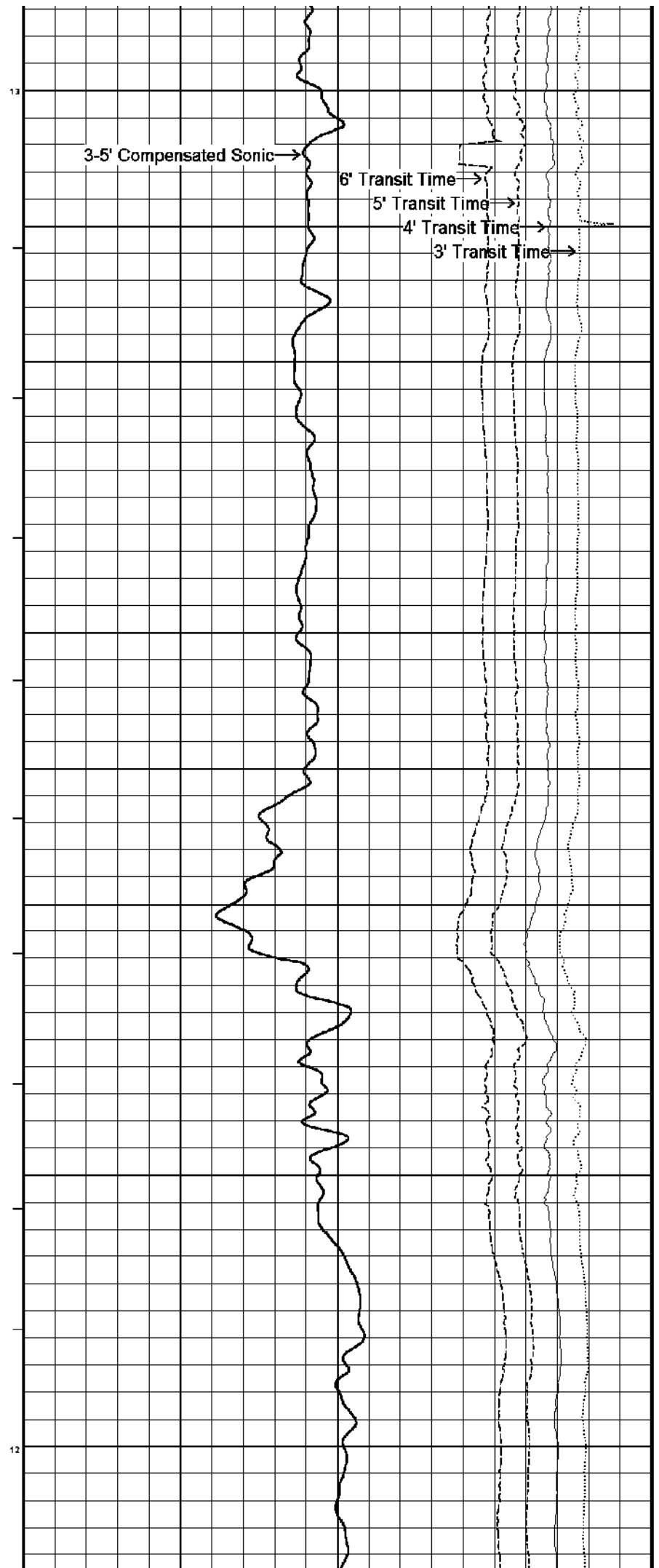
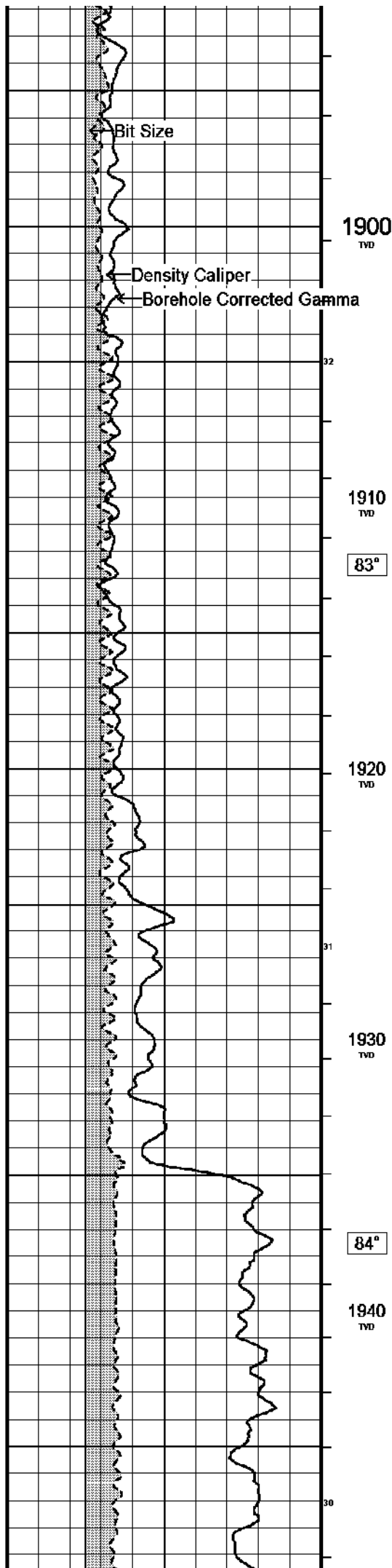
1870
TVD

1880
TVD

83°

1890
TVD





1950
TVD

1960
TVD

85°

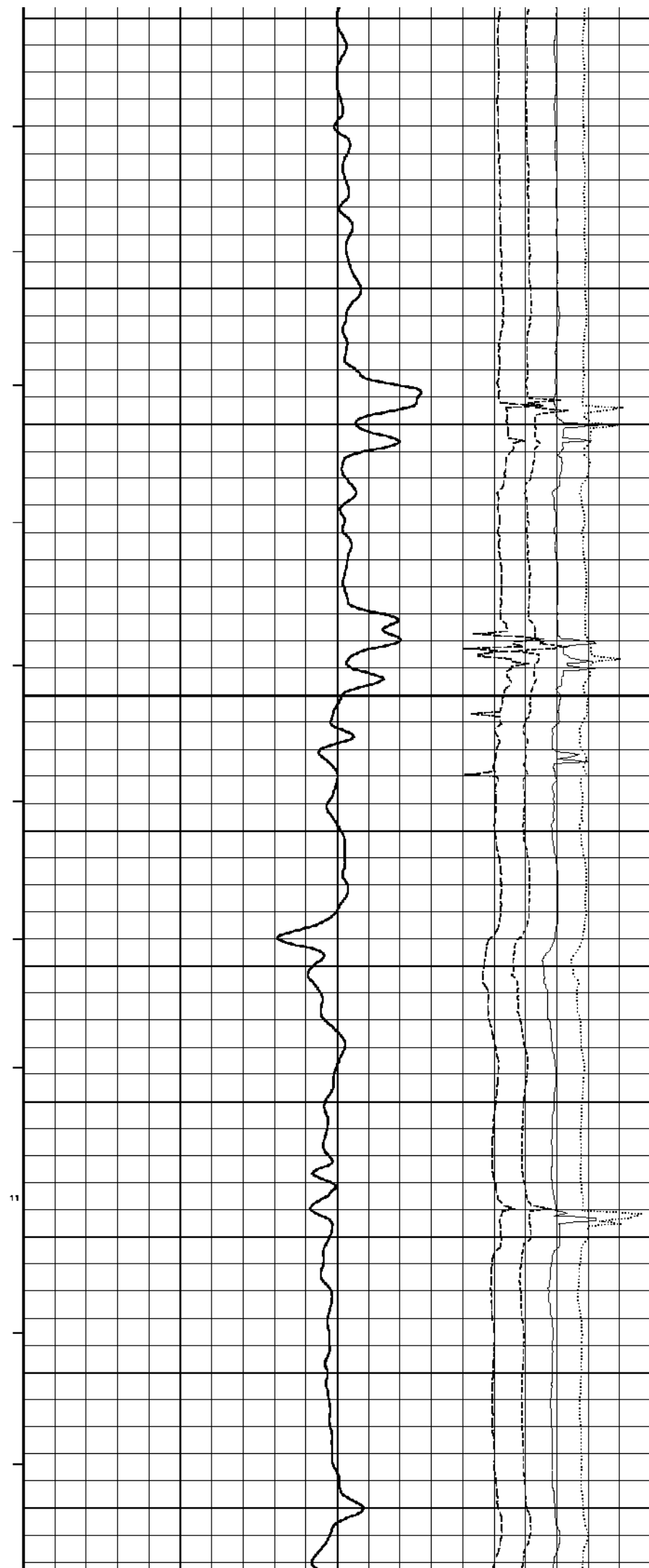
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TVD

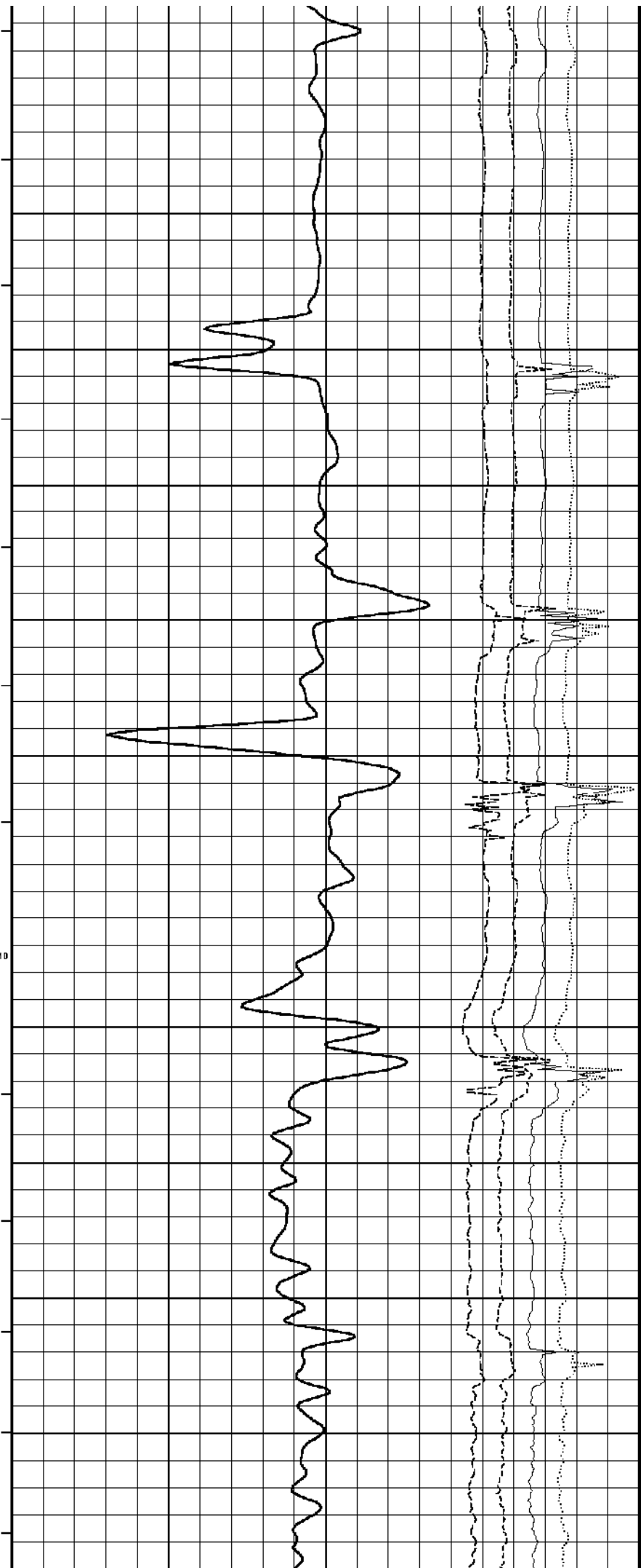
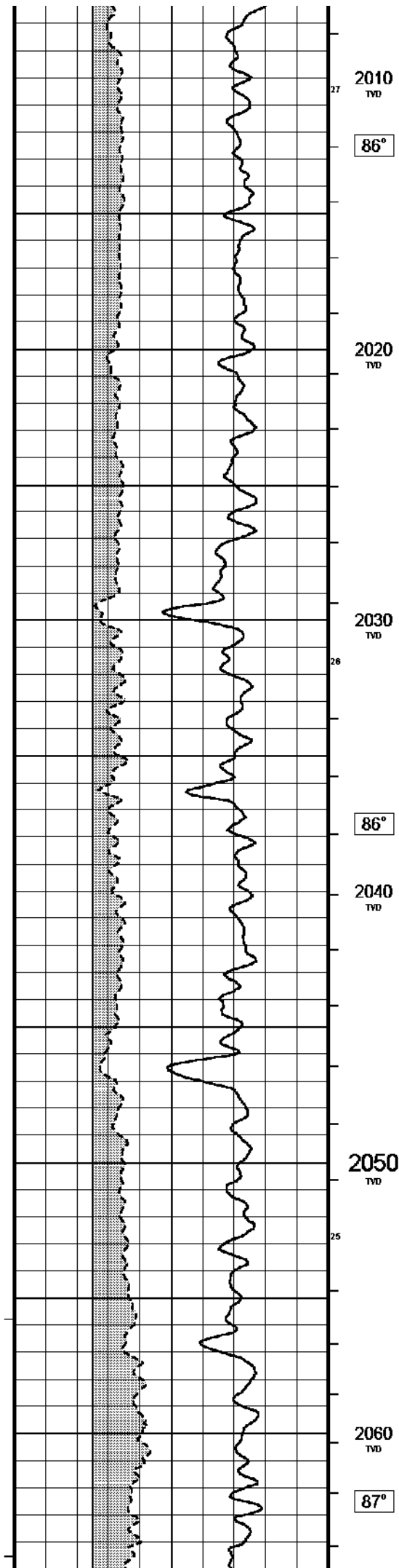
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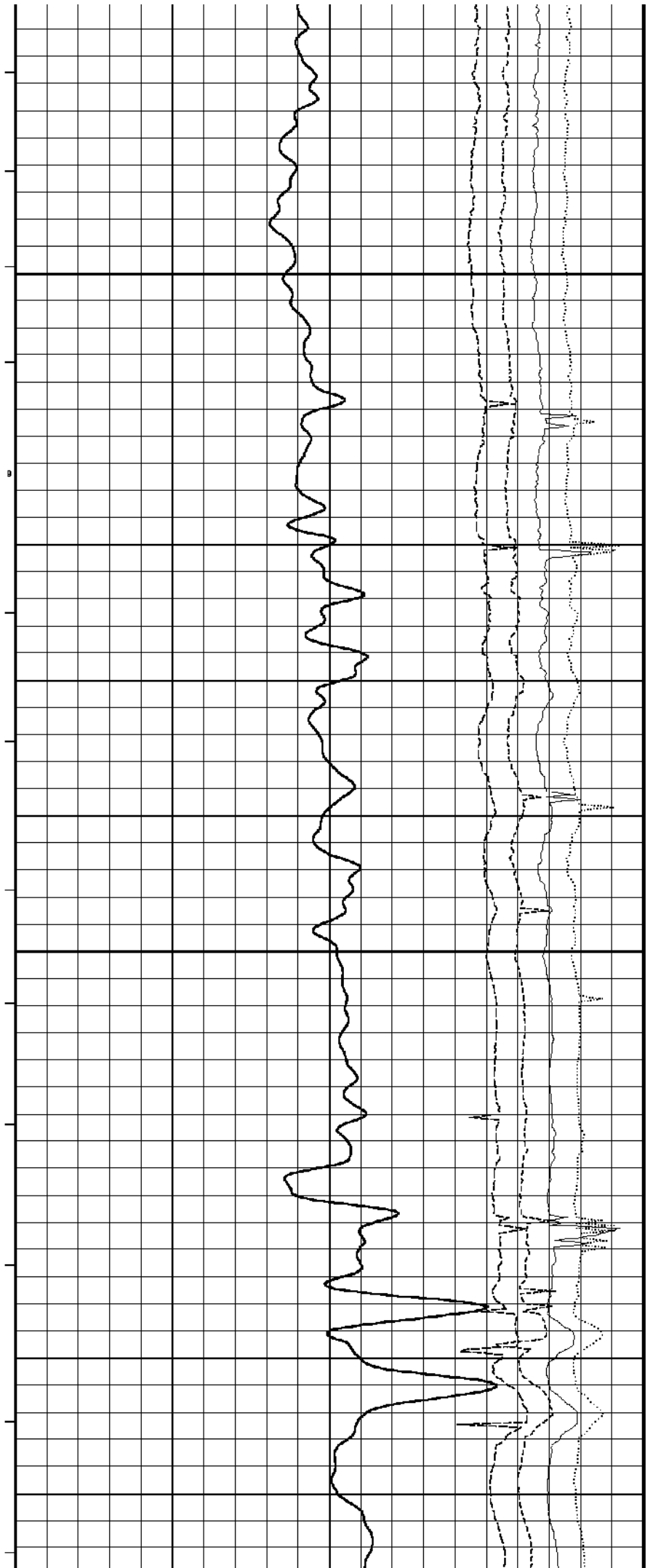
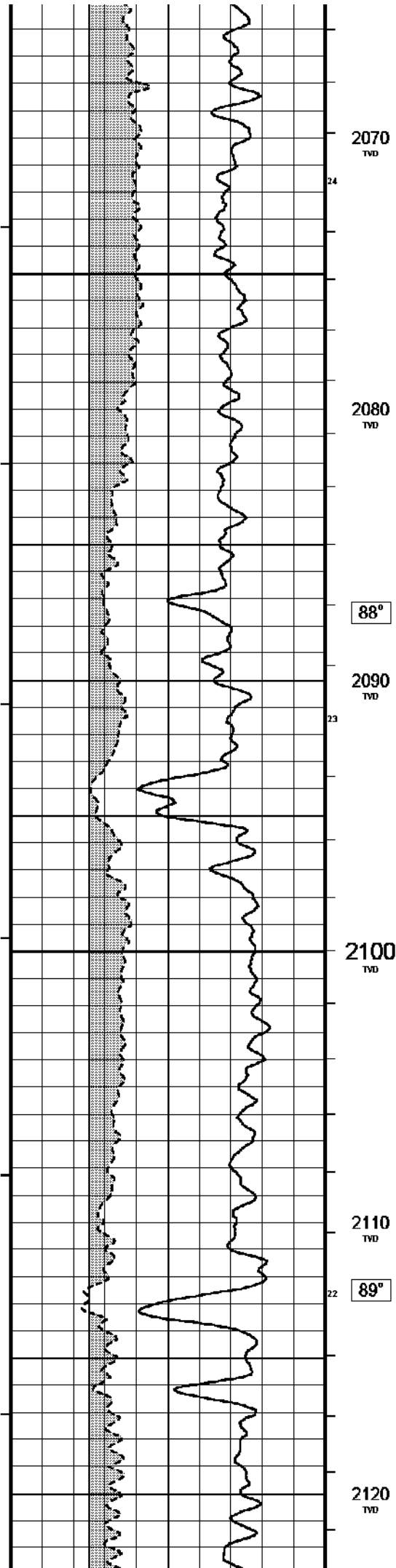
85°

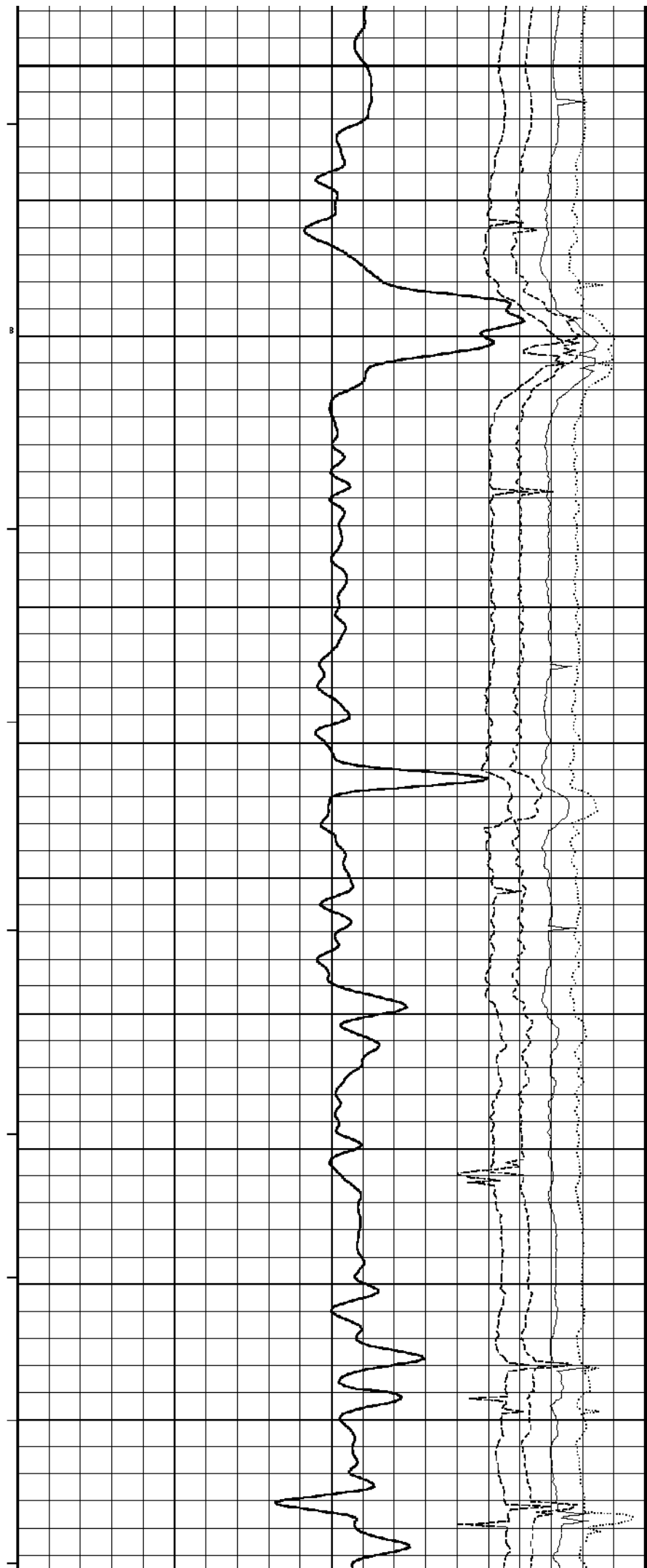
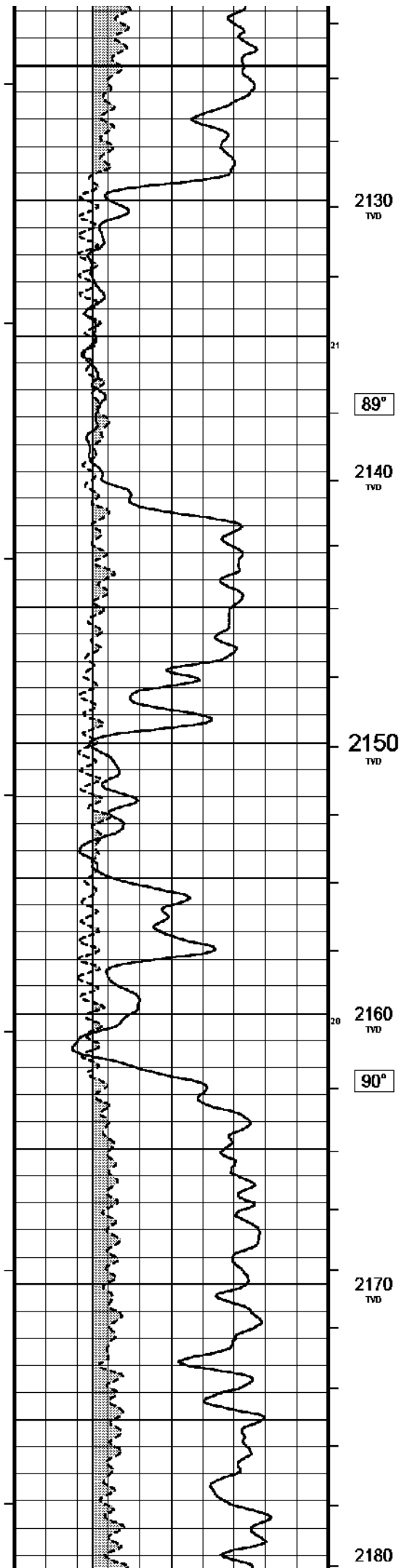
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TVD

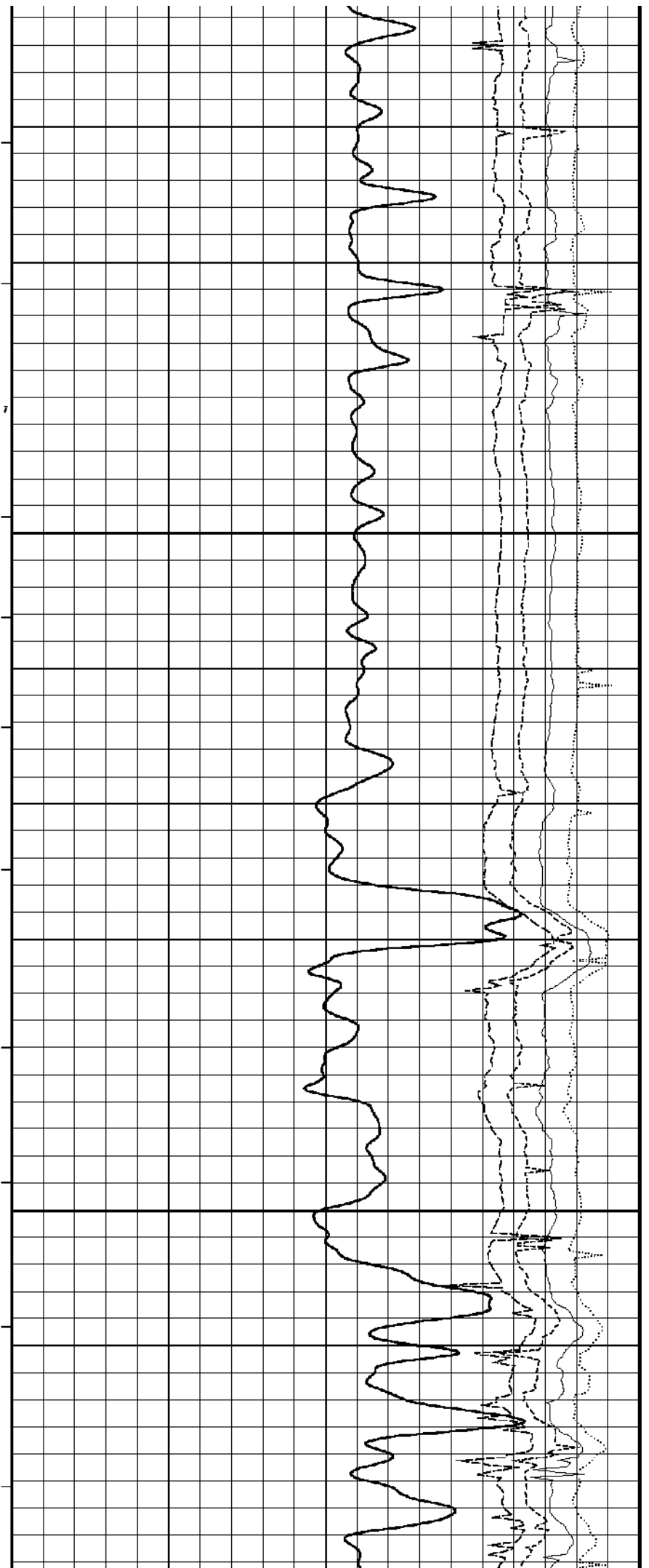
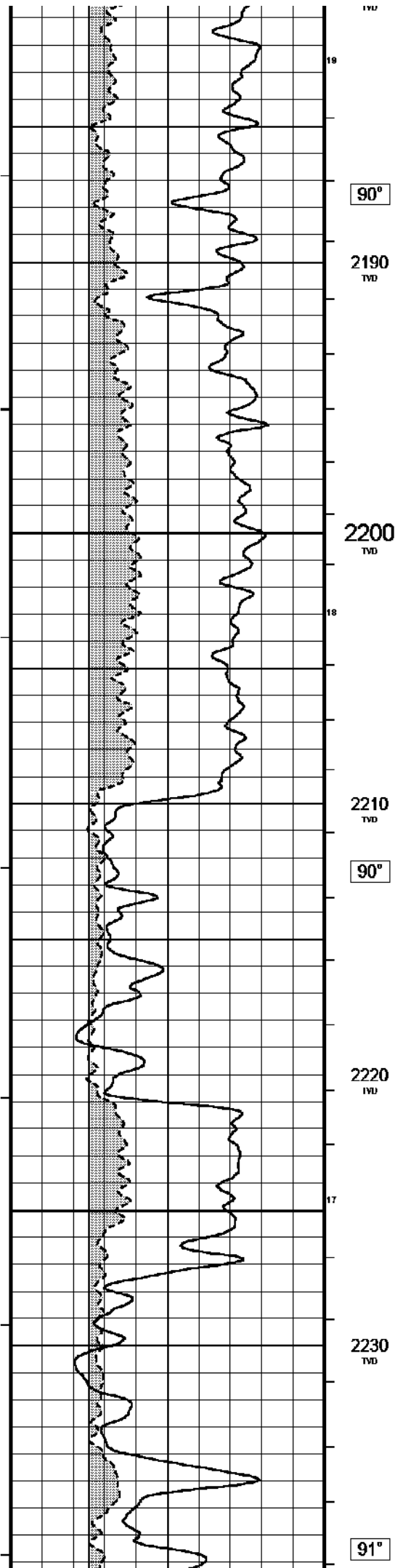
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TVD

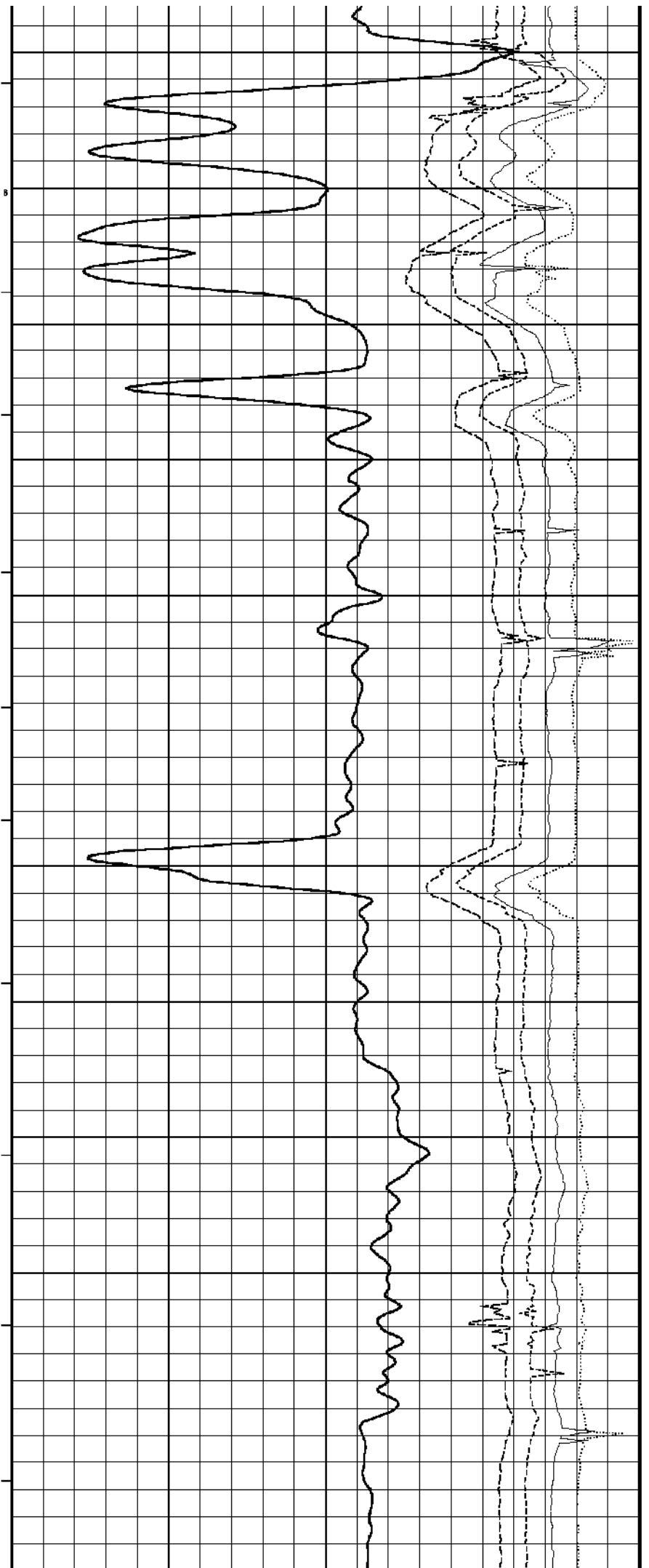
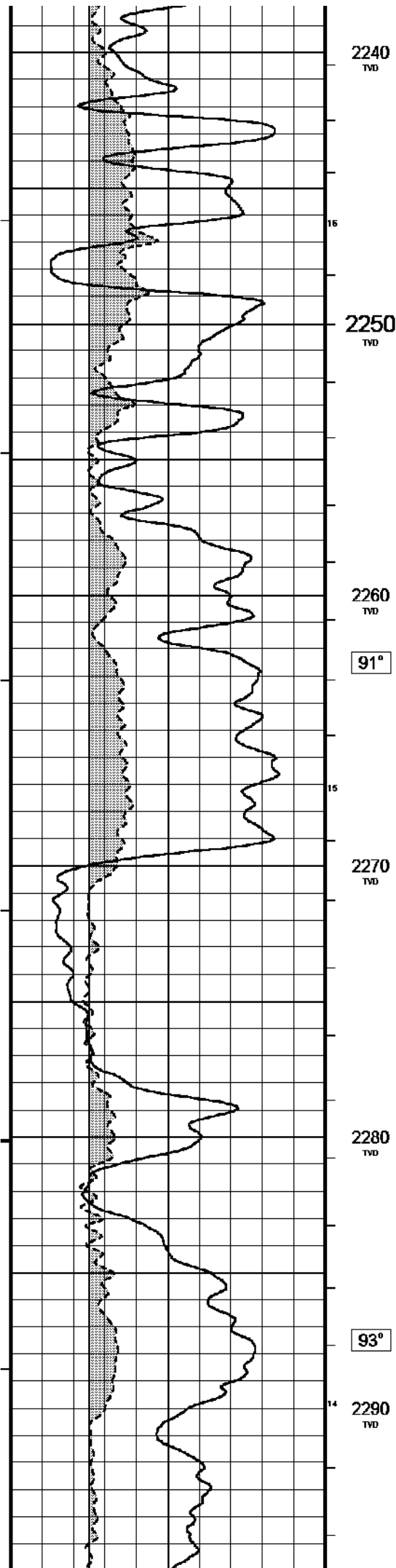


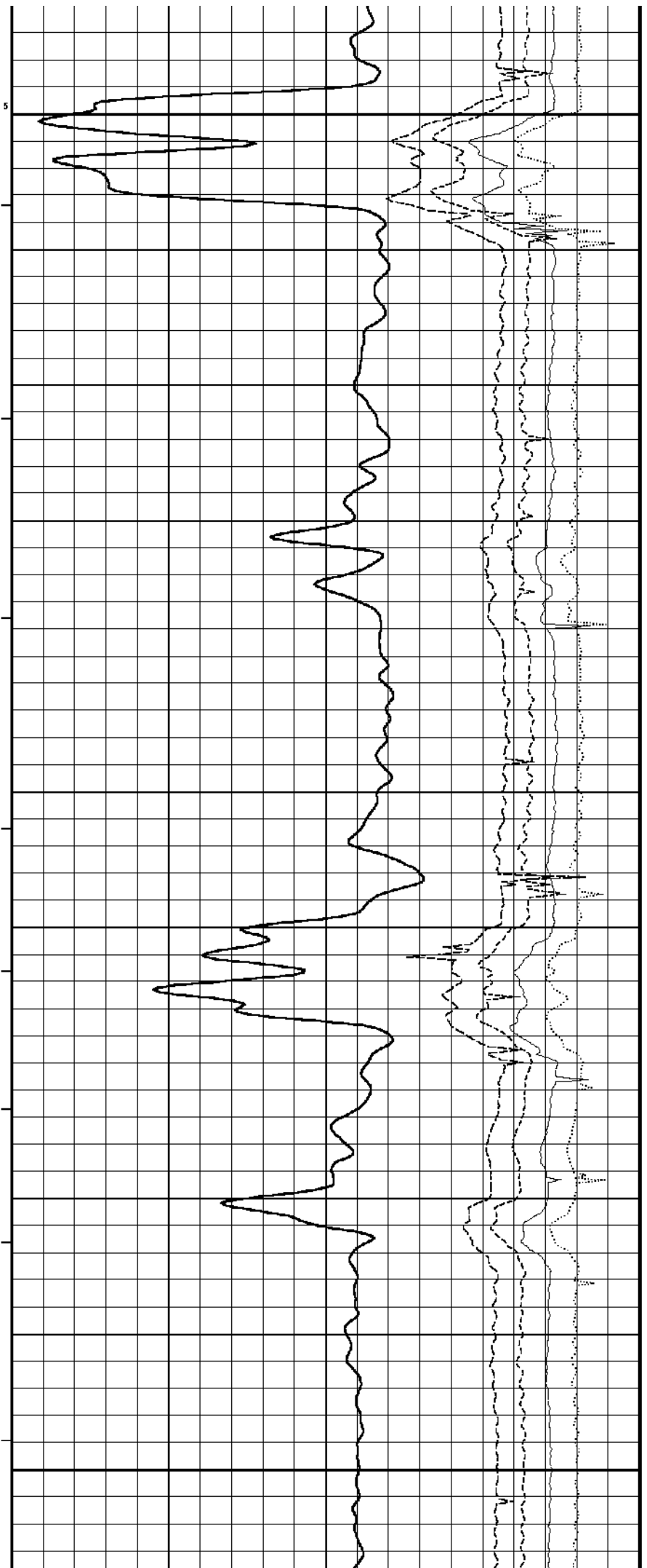
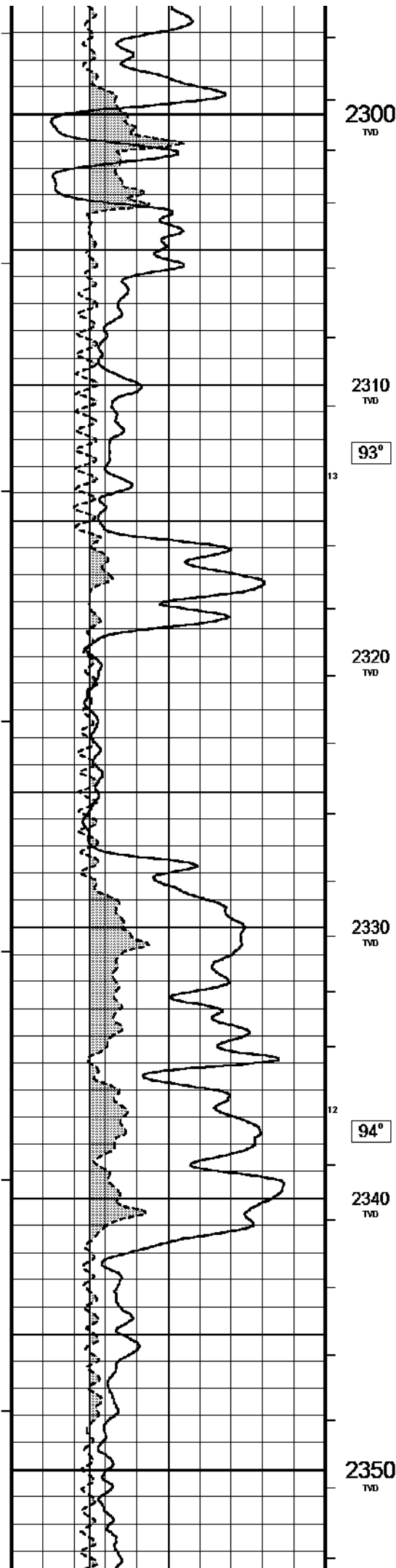


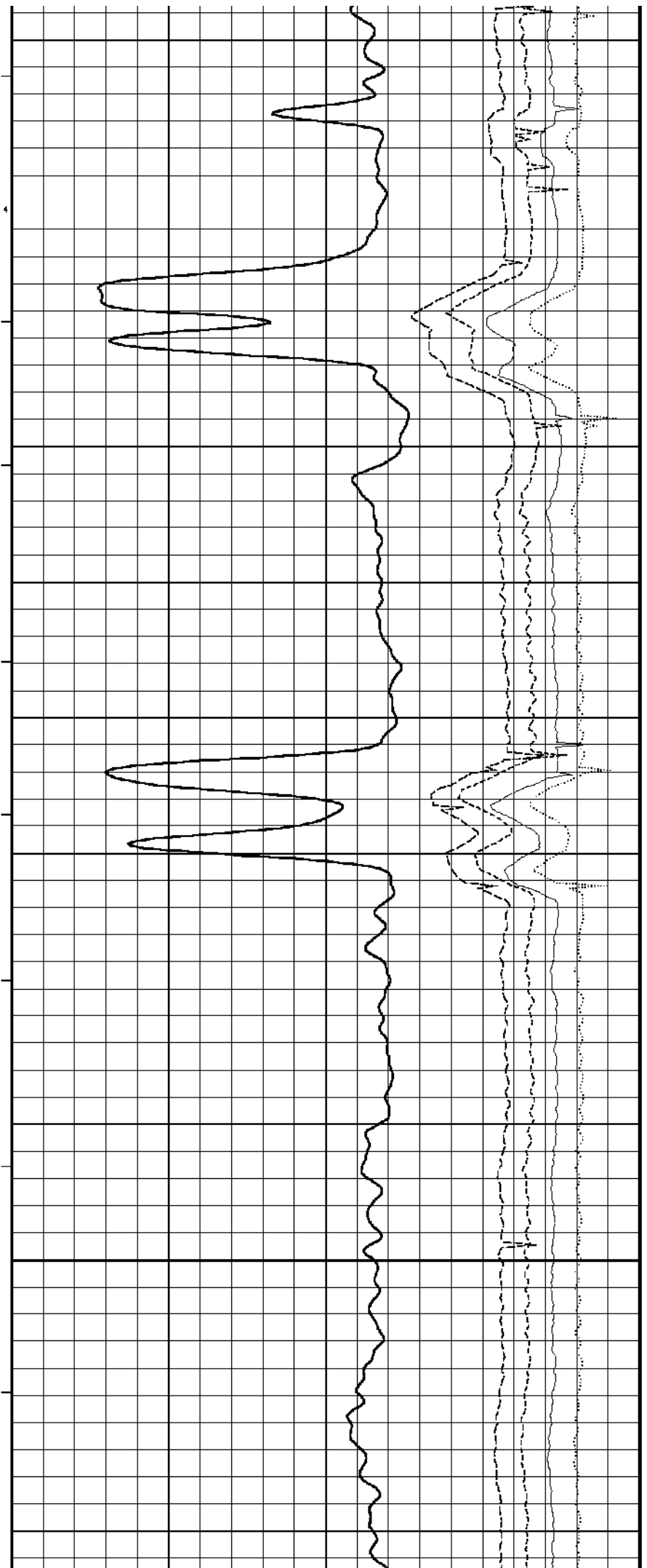
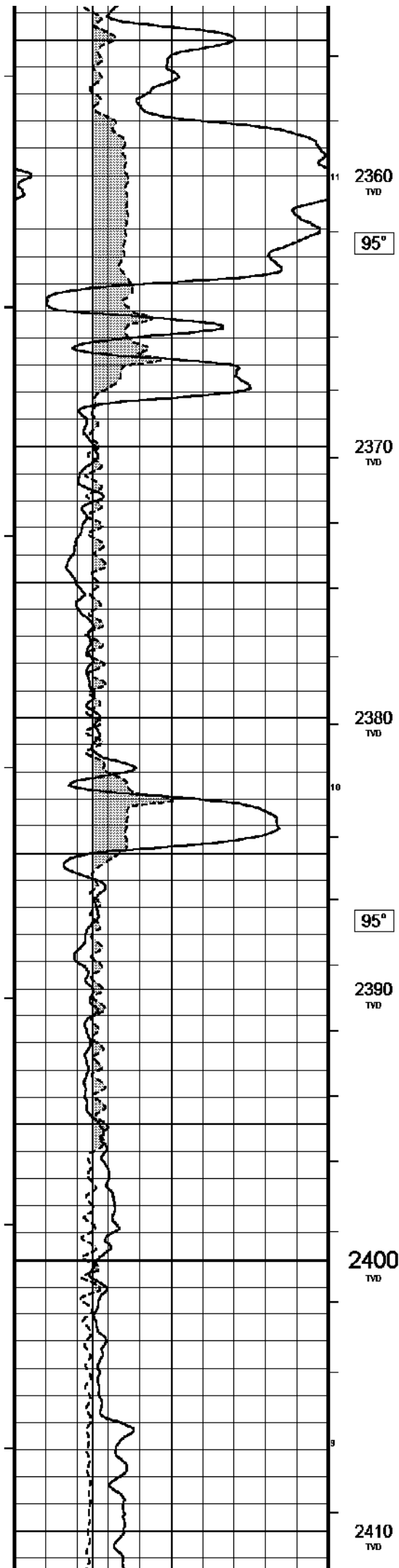


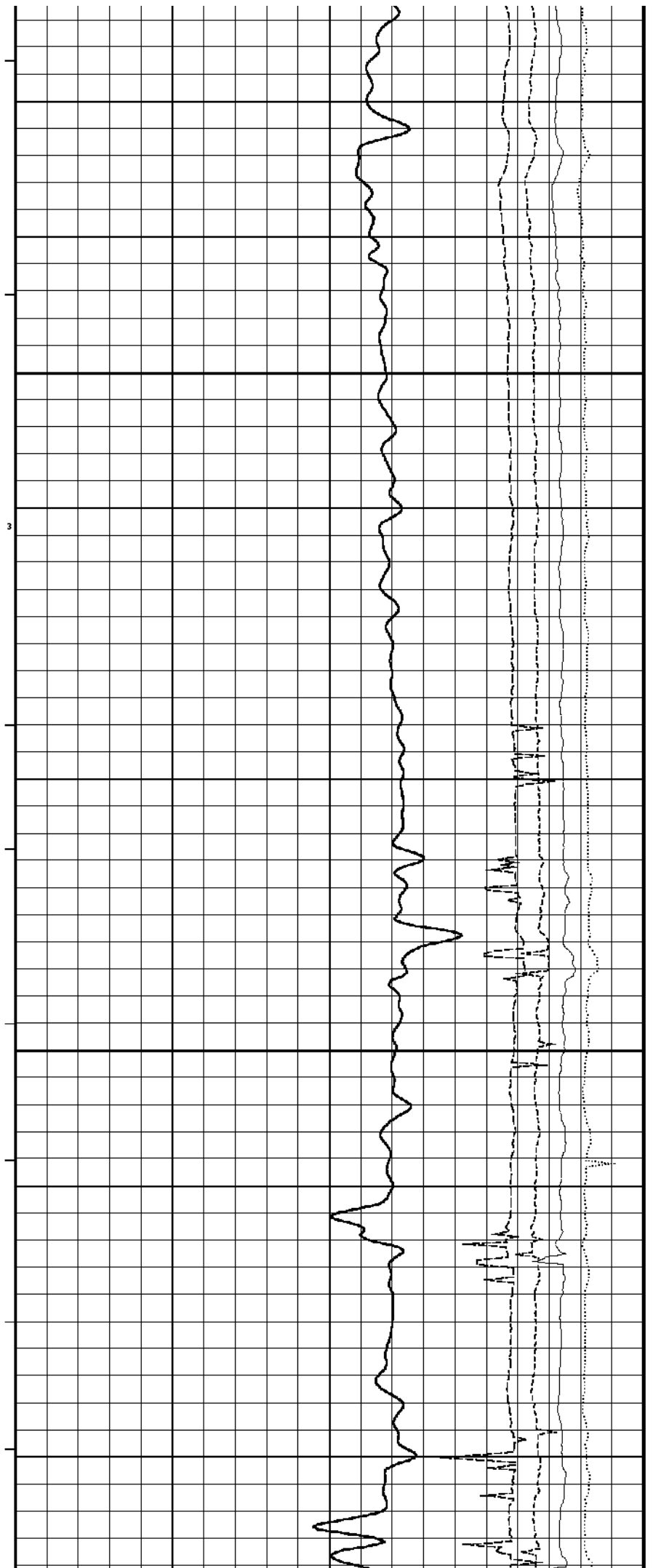
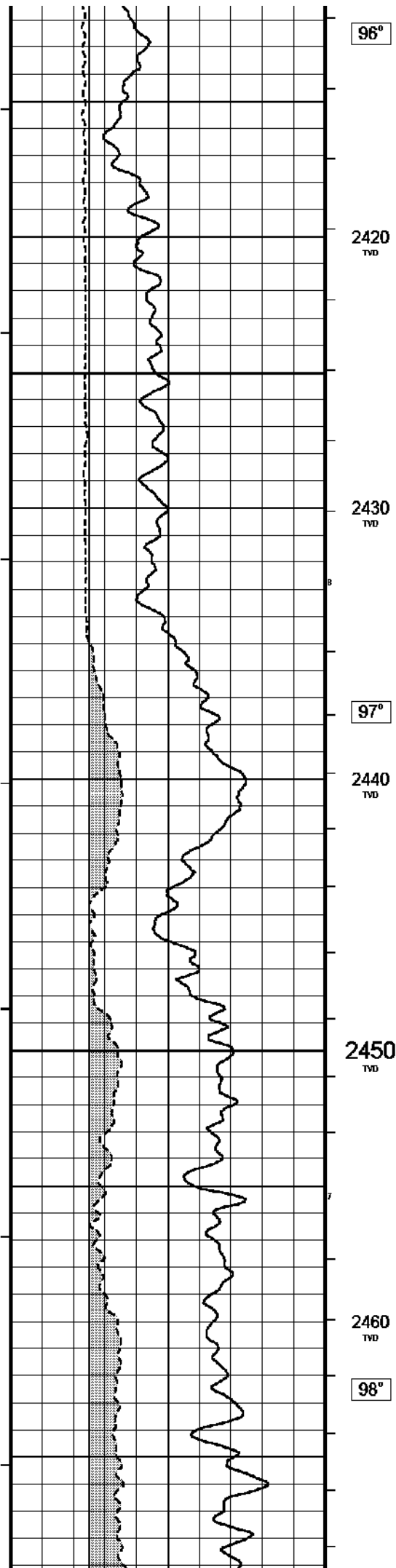


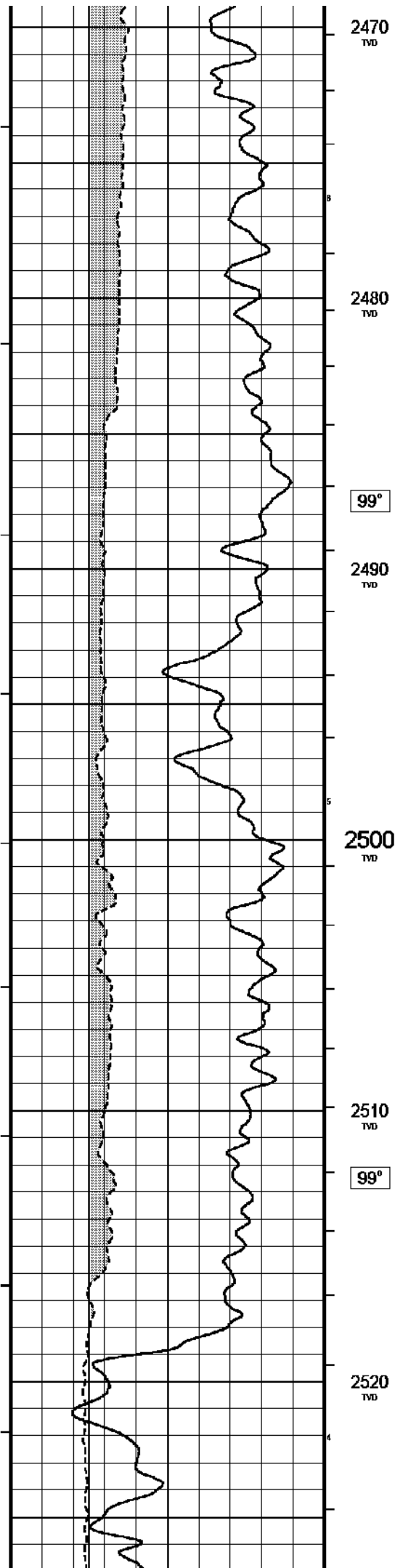


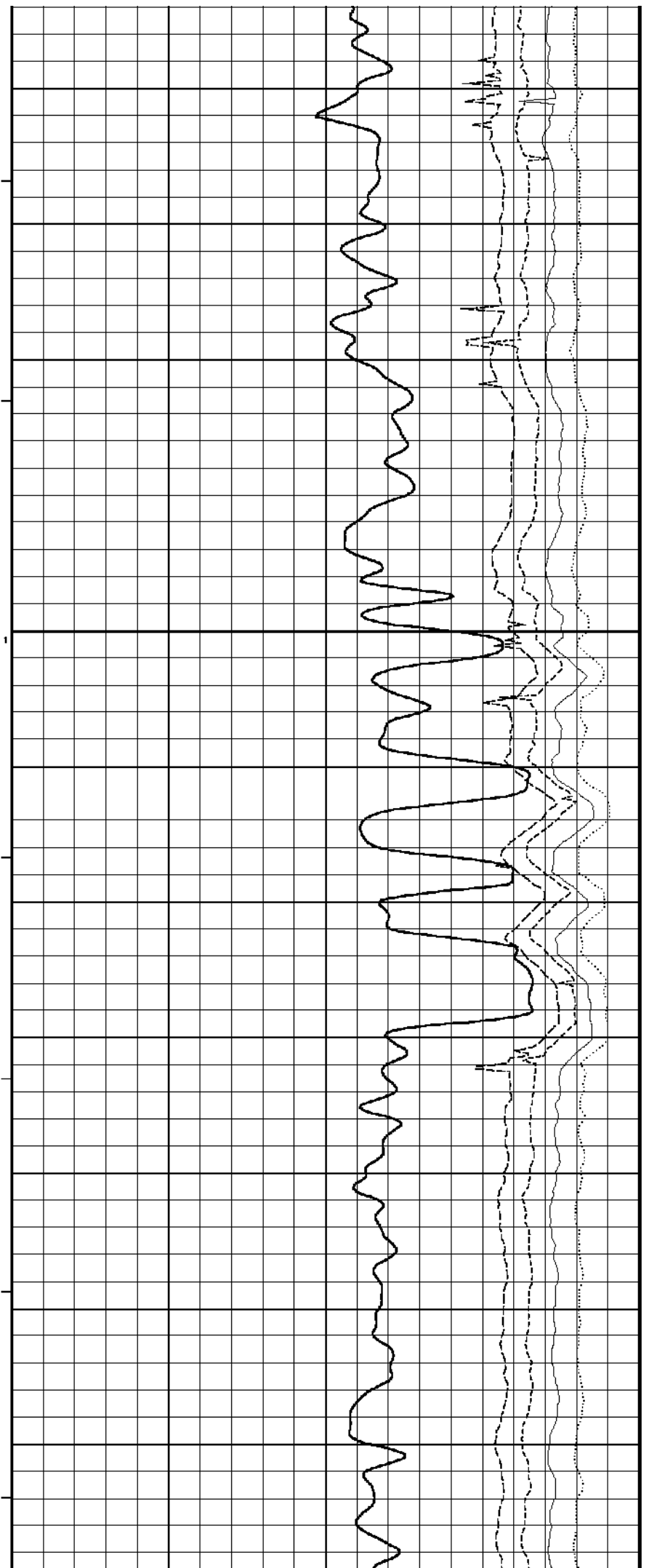
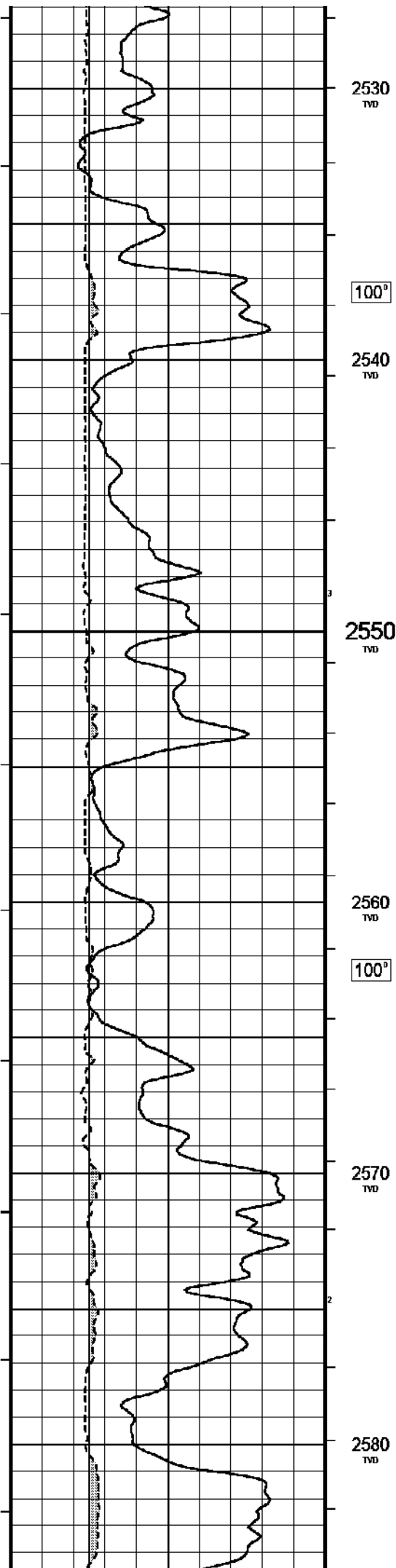


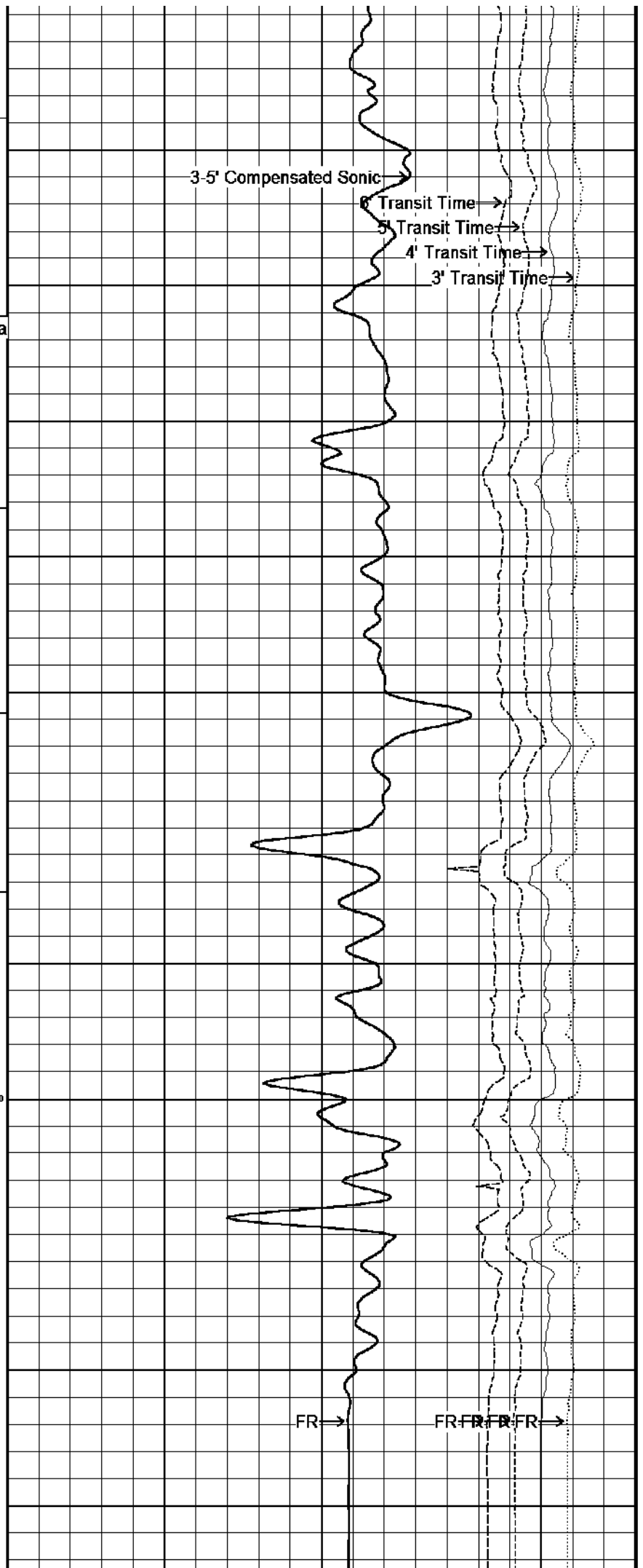
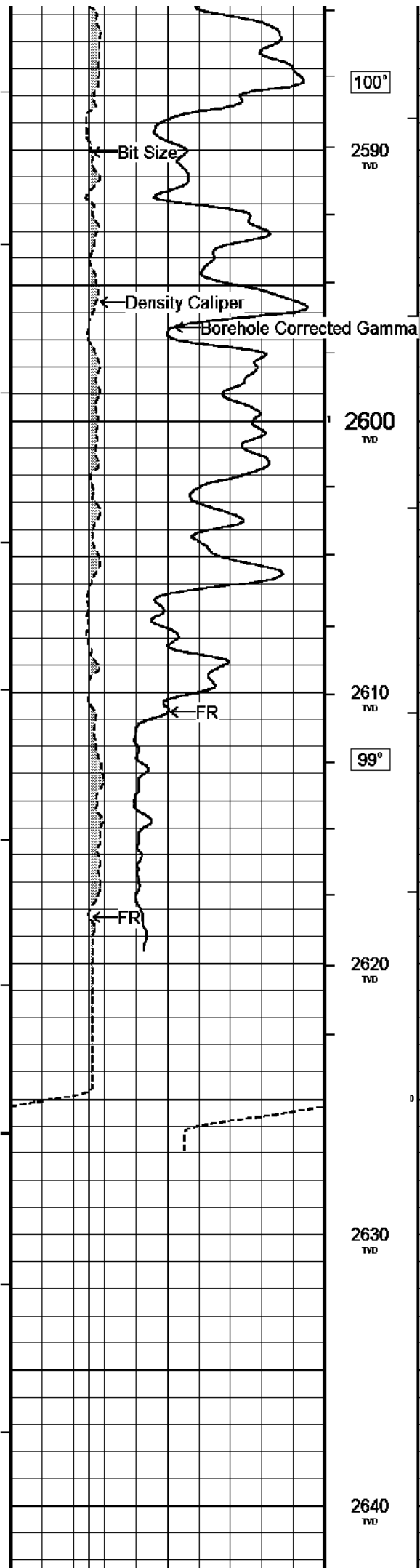


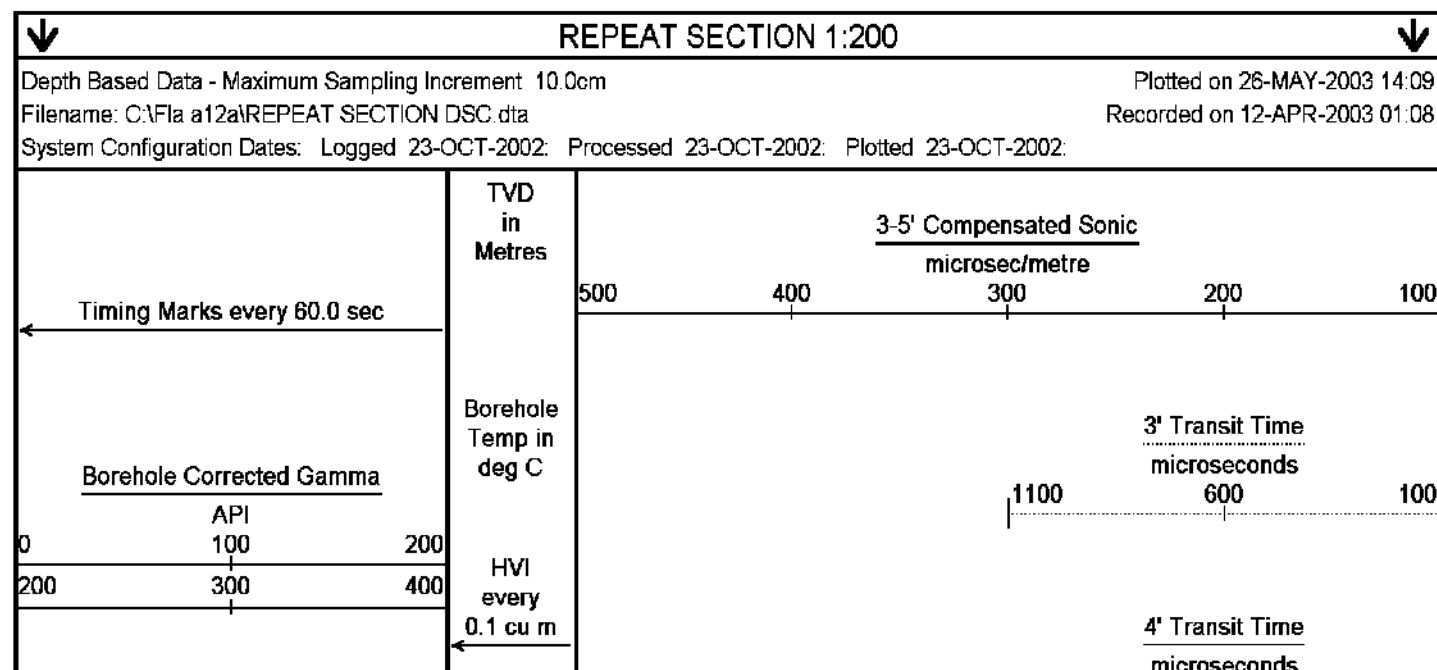
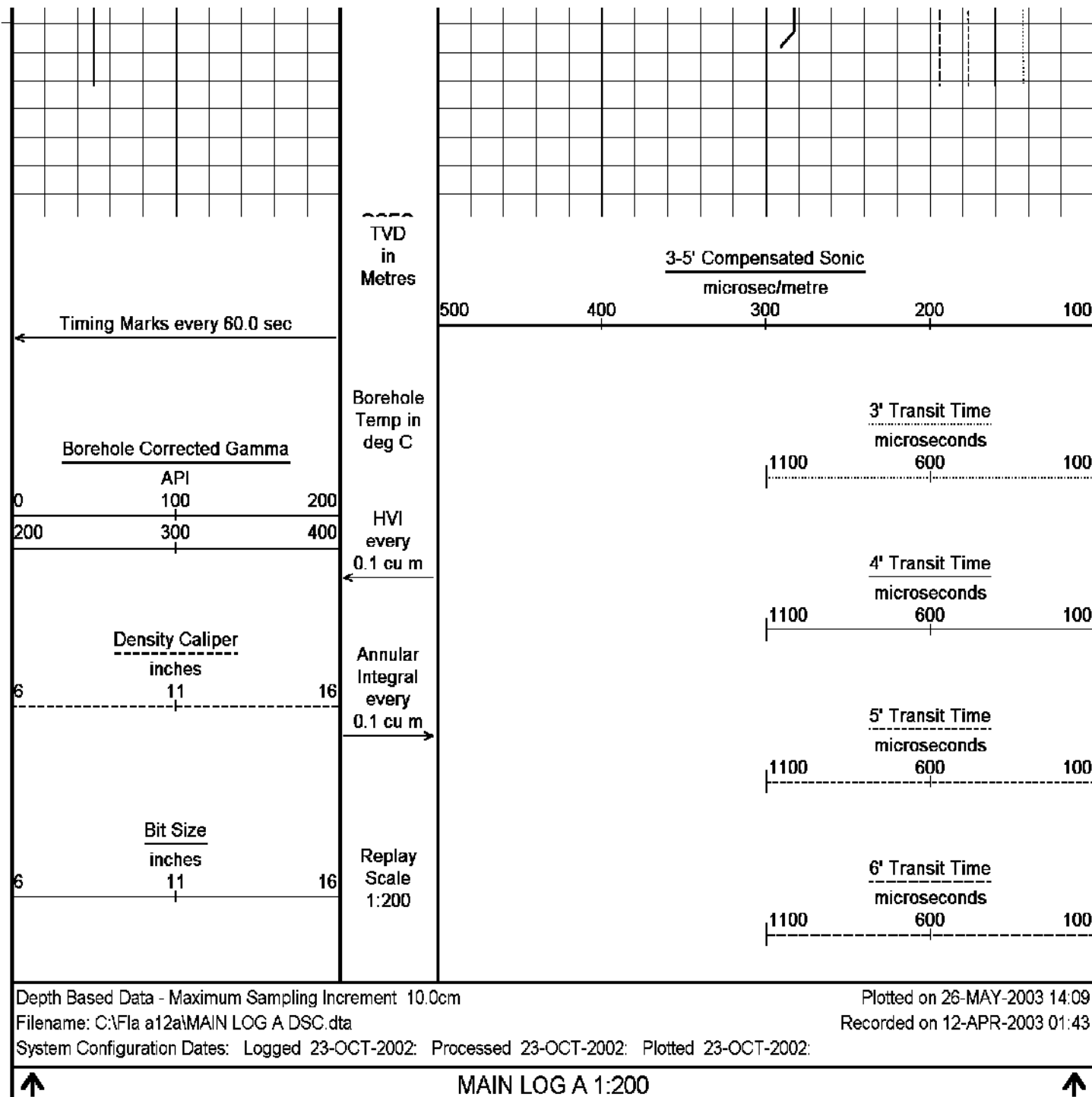


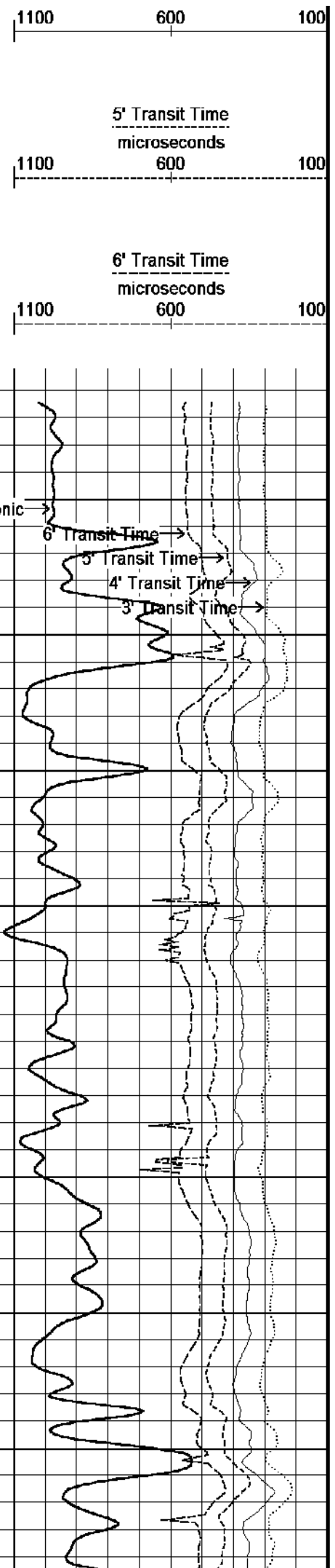
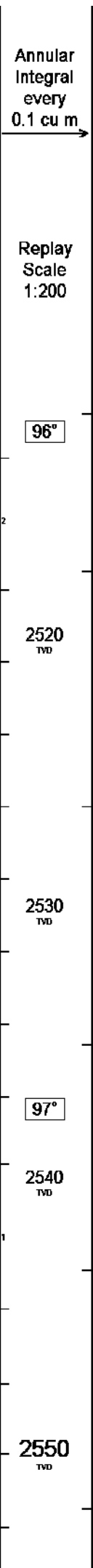
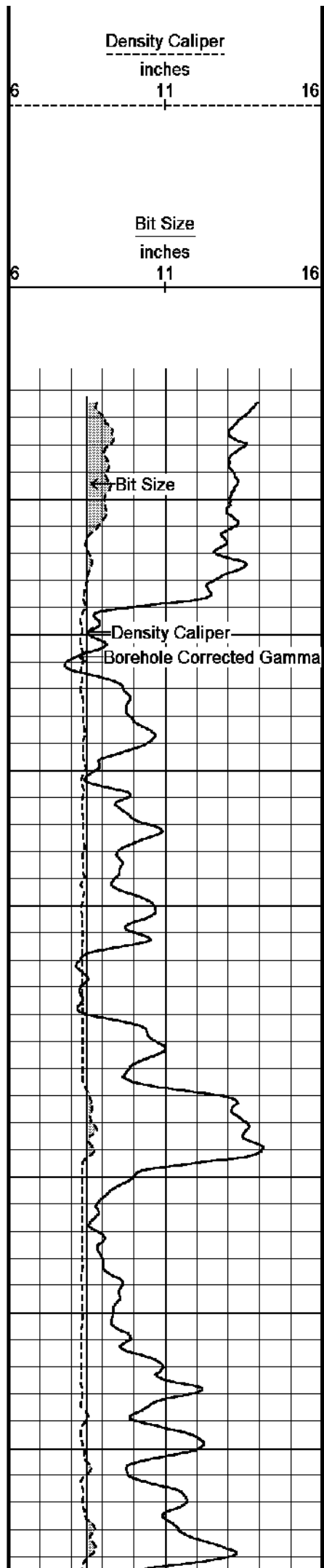


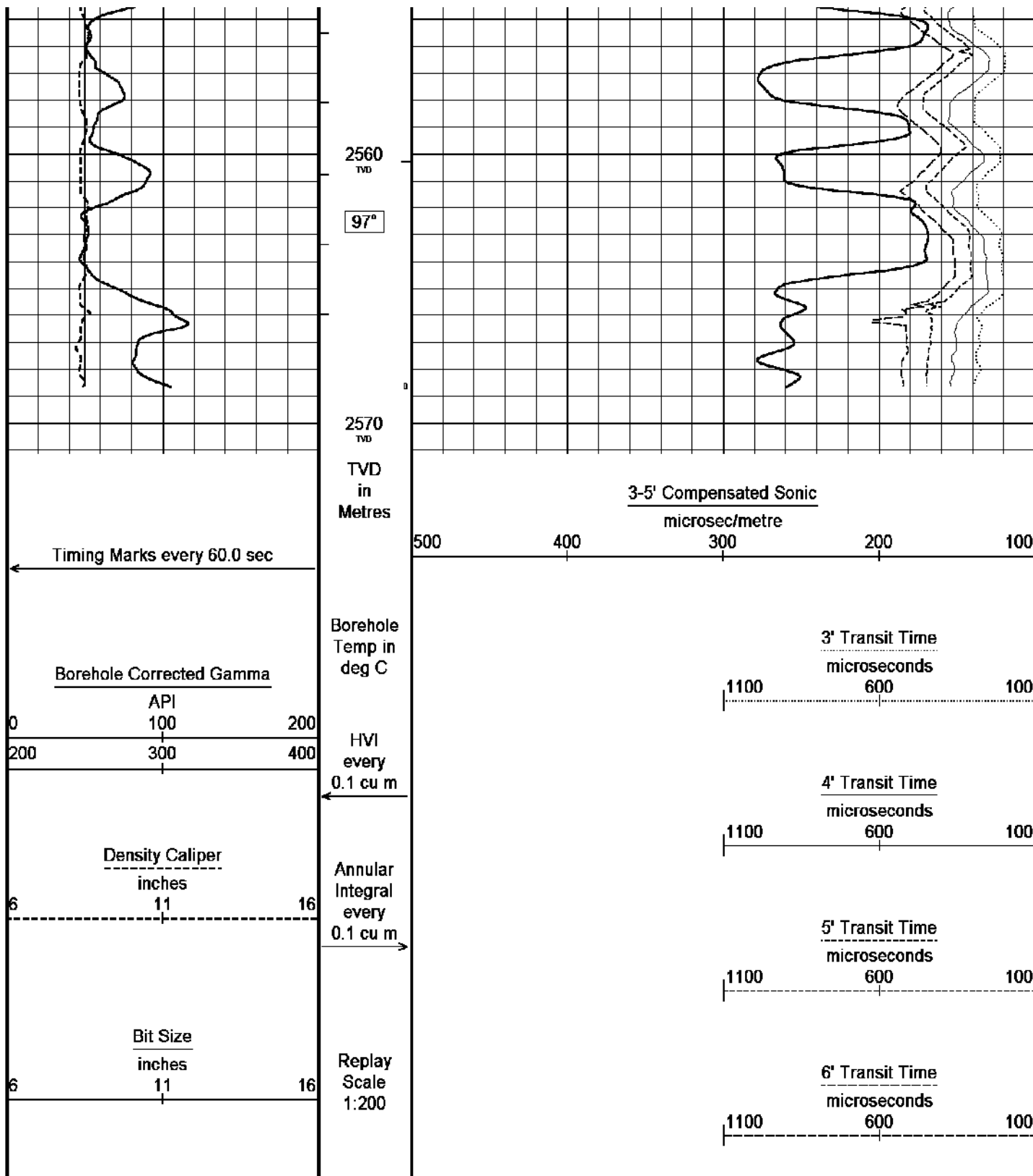












Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 26-MAY-2003 14:09

Filename: C:\Fla a12a\REPEAT SECTION DSC.dta

Recorded on 12-APR-2003 01:08

System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:

↑ REPEAT SECTION 1:200 ↑

BEFORE SURVEY CALIBRATION

C:\Fla a12a\MAIN LOG A DSC.dta

General Constants All 000

General Parameters

Mud Resistivity	0.05	ohm-metres
Mud Resistivity Temperature	100.00	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	7.00	inches		
Caliper for Differential Caliper	Density Caliper			
Rwa Parameters				
Porosity used	Limestone Sonic Porosity			
Resistivity used	Deep Laterolog			
RWA Constant A	0.61			
RWA Constant M	2.15			
Gamma Calibration MCG 076				
	Measured	Calibrated (API)	Field Calibration on 7-APR-2003,14:34	
Background	16	10		
Calibrator (Gross)	1432	919		
Calibrator (Net)	1416	909		
Gamma Constants MCG 076				
Gamma Calibrator Number	60			
Mud Density	1.19	gm/cc		
Caliper Source for Processing	Density Caliper			
Tool Position	Eccentred			
Concentration of KCl	0.00	kppm		
High Resolution Temperature Calibration MCG 076				
	Measured	Calibrated(Deg C)	Field Calibration on 19-FEB-2003,09:40	
Lower	0.00	0.00		
Upper	100.00	100.00		
High Resolution Temperature Constants MCG 076				
Pre-filter Length	11			
Caliper Calibration MPD 067				
			Base Calibration on 12-APR-2003,03:34	
			Field Calibration on	
Base Calibration				
Reading No	Measured	Calibrator Size (in)		
1	14809	4.61		
2	24384	6.59		
3	34304	8.58		
4	44327	10.54		
5	55504	12.61		
6	N/A	N/A		
Field Calibration				
	0	0		
	0.00	0.00		
Sonic Constants MSS 028				
Maximum Boundary Contrast	328.08	micro-sec/m		
Fluid Transit Time	620.08	micro-sec/m		
Limestone Transit Time	155.84	micro-sec/m		
Sandstone Transit Time	182.09	micro-sec/m		
Dolomite Transit Time	142.72	micro-sec/m		
Sonic used for Porosities	3-5' Compensated Sonic			
Correction for Sonde Skew	Applied			
Cycle Stretch Algorithm	Applied			
MN3FT	N/A	micro-sec		
MX3FT	N/A	micro-sec		
Fixed Gate Parameters				
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
Down Hole Fixed Gate Parameters				
Gate Start	N/A	micro-sec		

Gate Width	N/A	micro-sec
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Full Waveform Parameters

Use derived TR for 3' Waveform	N/A	
Use derived TR for 4' Waveform	N/A	
Use derived TR for 5' Waveform	N/A	
Use derived TR for 6' Waveform	N/A	
3' Waveform Discriminator Level	N/A	mV
4' Waveform Discriminator Level	N/A	mV
5' Waveform Discriminator Level	N/A	mV
6' Waveform Discriminator Level	N/A	mV
3' Waveform Filter	N/A	
4' Waveform Filter	N/A	
5' Waveform Filter	N/A	
6' Waveform Filter	N/A	

DOWNHOLE EQUIPMENT

All measurements relative to tool zero.

Compact Inline Standoff B

MIS 52 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.

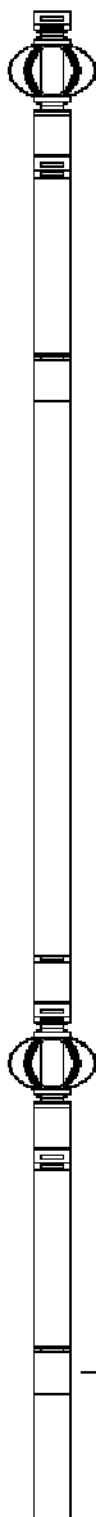
MBE 9 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B

MIS 77 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.

MBE 5 Length: 3.76 m Weight: 94.80 lb



31.84 m SPDL - Spontaneous Potential

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

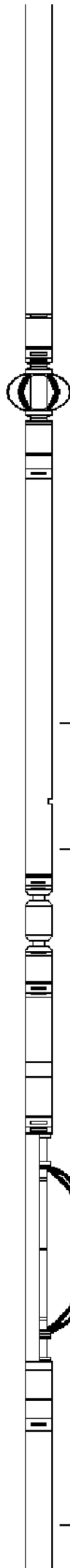
Compact Gamma
MCG 76 Length: 2.65 m Weight: 63.93 lb

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

Compact Neutron
MDN 69 Length: 1.53 m Weight: 50.71 lb



26.85 m GGCE - Borehole Corrected Gamma

25.96 m CGXT - MCG External Temperature

21.75 m NPRL - Limestone Neutron Por.

Compact Density/Caliper
MPD 67 Length: 2.92 m Weight: 90.39 lb

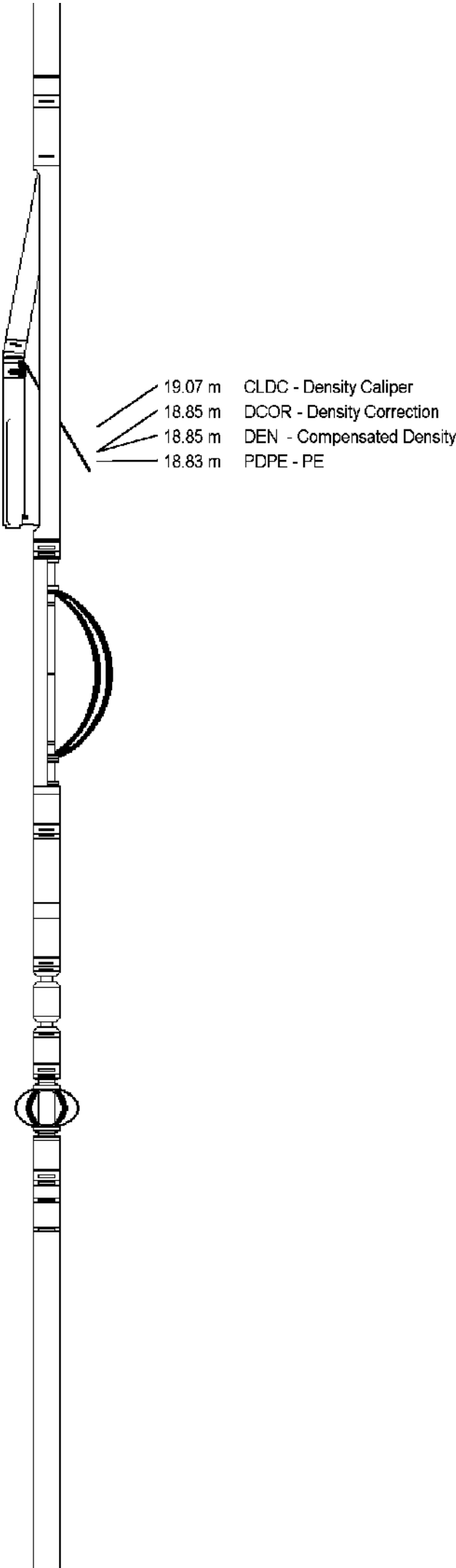
Compact Inline Bowspring A
MIS 25 Length: 1.74 m Weight: 33.07 lb

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 53 Length: 0.65 m Weight: 15.43 lb

Compact Upper Guard Sub.
MUG 17 Length: 2.74 m Weight: 68.34 lb



Compact Inline Standoff B
MIS 49 Length: 0.65 m Weight: 15.43 lb

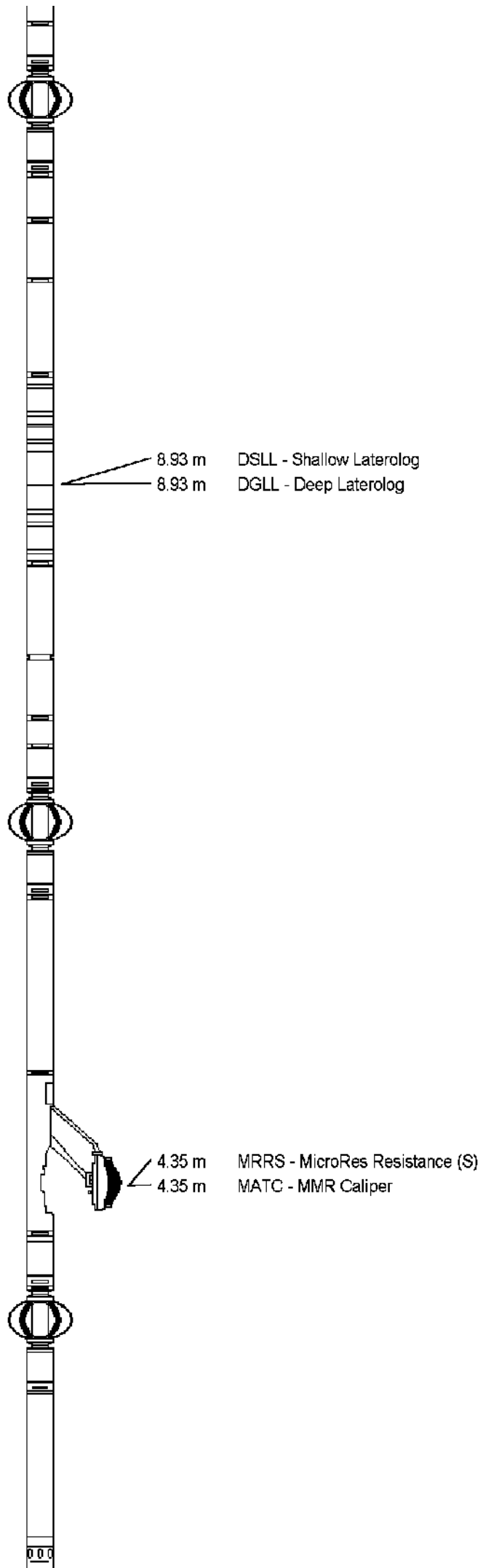
Compact Laterolog Electrode Sub.
MLE 15 Length: 3.76 m Weight: 92.59 lb

Compact Inline Standoff B
MIS 76 Length: 0.65 m Weight: 15.43 lb

Compact Micro-Resistivity
MMR 5 Length: 2.62 m Weight: 81.57 lb

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

Compact Sonic
MSS 28 Length: 3.82 m Weight: 72.75 lb





0.00 m DT35 - 3-5' Compensated Sonic
Tool Zero (1.62m from bottom)

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

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

Total Length: 39.51 m

Total Weight: 1007.51 lb

COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	FLOUNDER A12a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	2636.90	metres
Elevation Drill Floor	33.85	metres	Depth Driller	2636.40	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2637.40	metres

Reeves

COMPENSATED SONIC
1:200 TVD