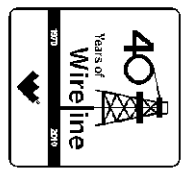




Weatherford[®]

**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

COMPANY **OXY USA**
WELL **STOOPS B-1**
FIELD **VICTORY**
PROVINCE/COUNTY **HASKELL**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **685' FSL & 1955' FWL**



SEC **23** TWP **30S** RGE **34W** Other Services
MAI/MFE
MSS
API Number **15-081-21983**
Permit Number
Permanent Datum G.L., Elevation 2950.82 feet
Log Measured From KB
Drilling Measured From K.B.

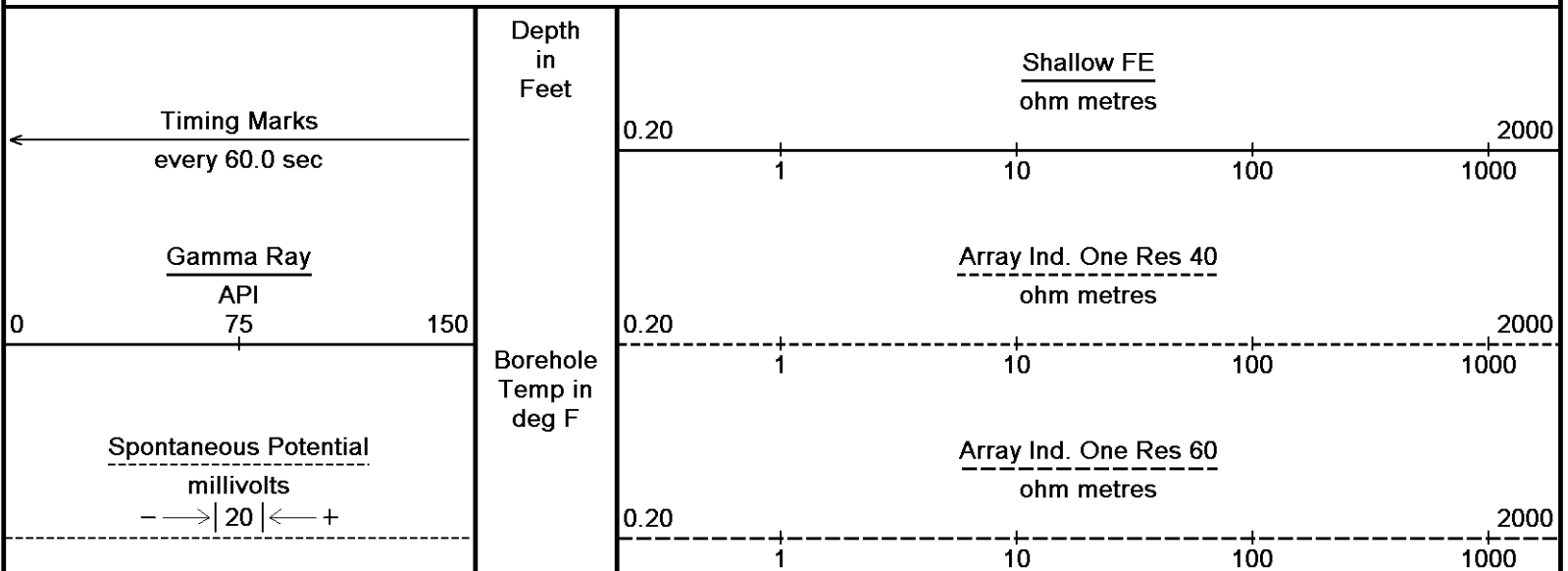
Date **16-MAY-2012** Elevations: feet
Run Number **ONE** KB **2961.82**
Depth Driller **5702.00** DF **2961.82**
Depth Logger **5674.00** GL **2950.82**

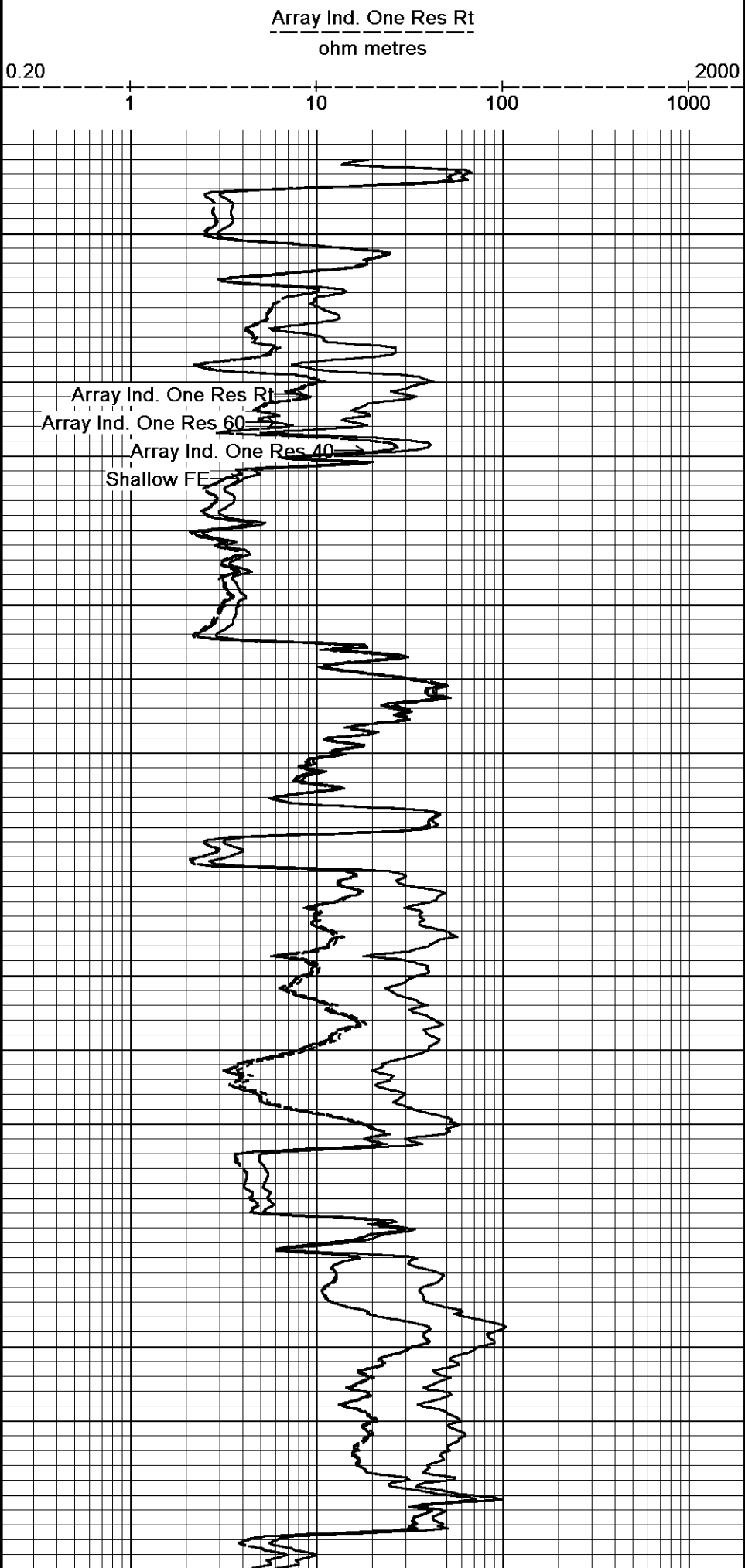
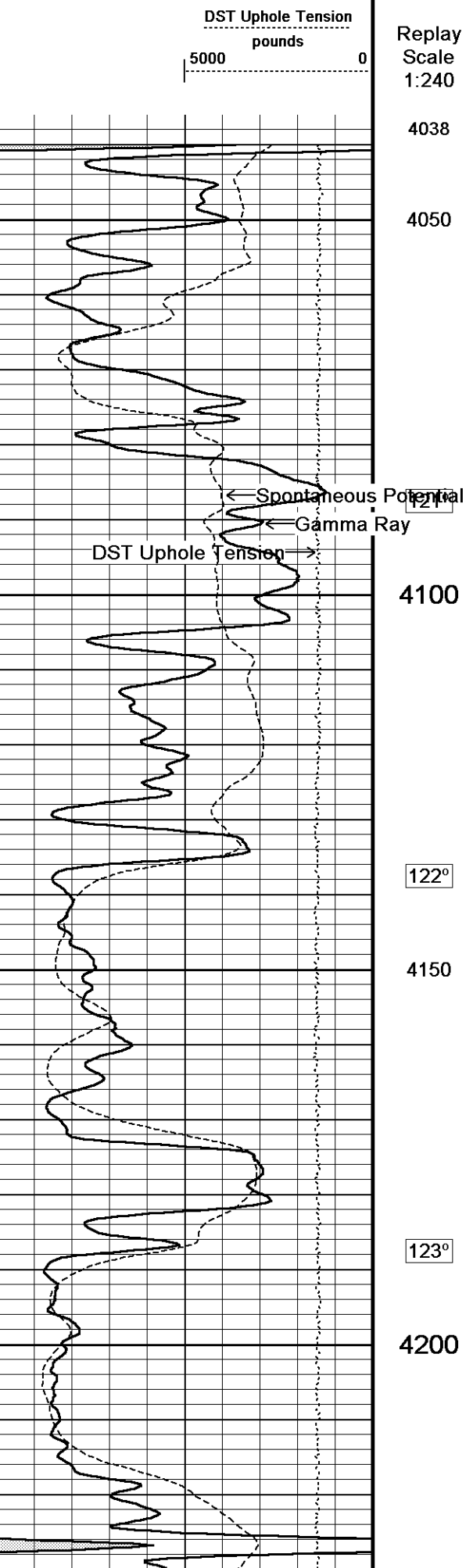
First Reading
Last Reading **4040.00** feet
Casing Driller **1818.00** feet
Casing Logger **1816.00** feet
Bit Size **7.875** inches
Hole Fluid Type **CHEMICAL**
Density / Viscosity **9.70** lb/USg **56.00** CP
PH / Fluid Loss **9.10** **7.20** ml/30Min

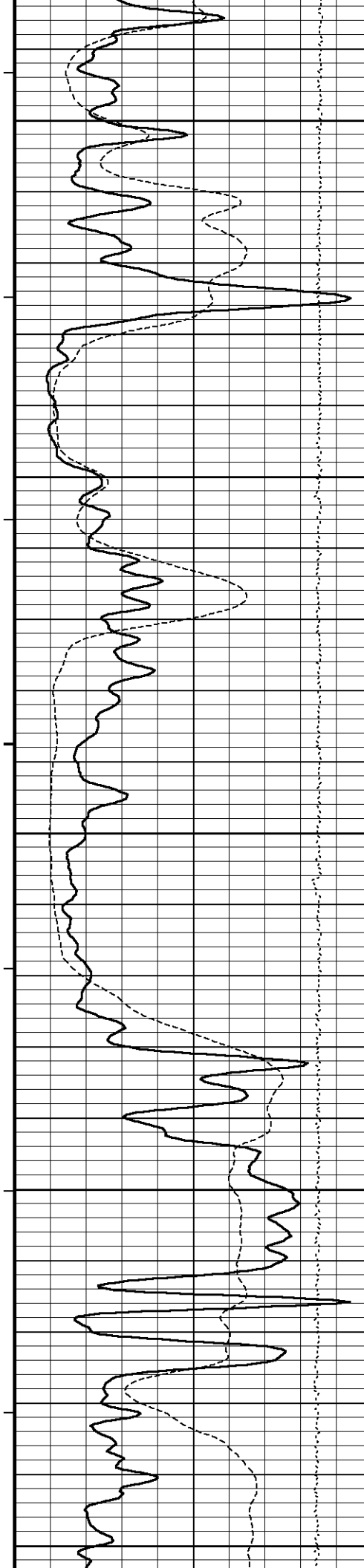
Sample Source **FLOWLINE**
Rm @ Measured Temp **1.58 @ 96.0** ohm-m
Rmf @ Measured Temp **1.26 @ 96.0** ohm-m
Rmc @ Measured Temp **1.90 @ 96.0** ohm-m
Source Rmf / Rmc **CALC** **CALC**
Rm @ BHT **1.08 @ 140.0** ohm-m
Time Since Circulation **6 HOURS**
Max Recorded Temp **140.00** deg F
Equipment Name **COMPACT**
Equipment / Base **13057** **LIB**
Recorded By **R.HOFFMAN**
Witnessed By **DEREK ADAM**
S.O. # / JOB # **3534578** **LB12-126**

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.

5 INCH REPEAT PASS
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops ...\Oxy Stoops B-1_Repeat_001 spooled section.dta
System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044
Plotted on 17-MAY-2012 20:28
Recorded on 17-MAY-2012 20:19







123°

4250

123°

4300

124°

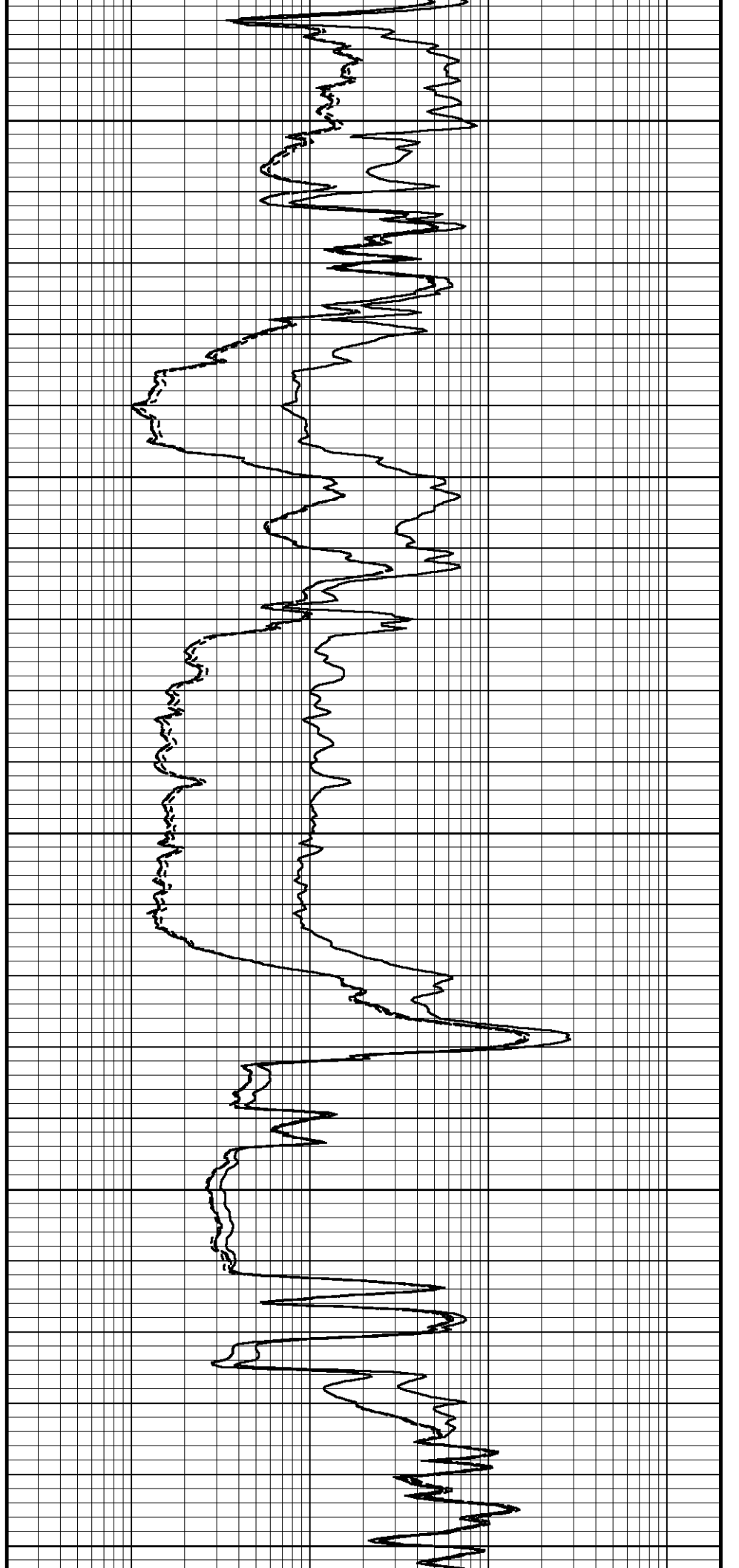
4350

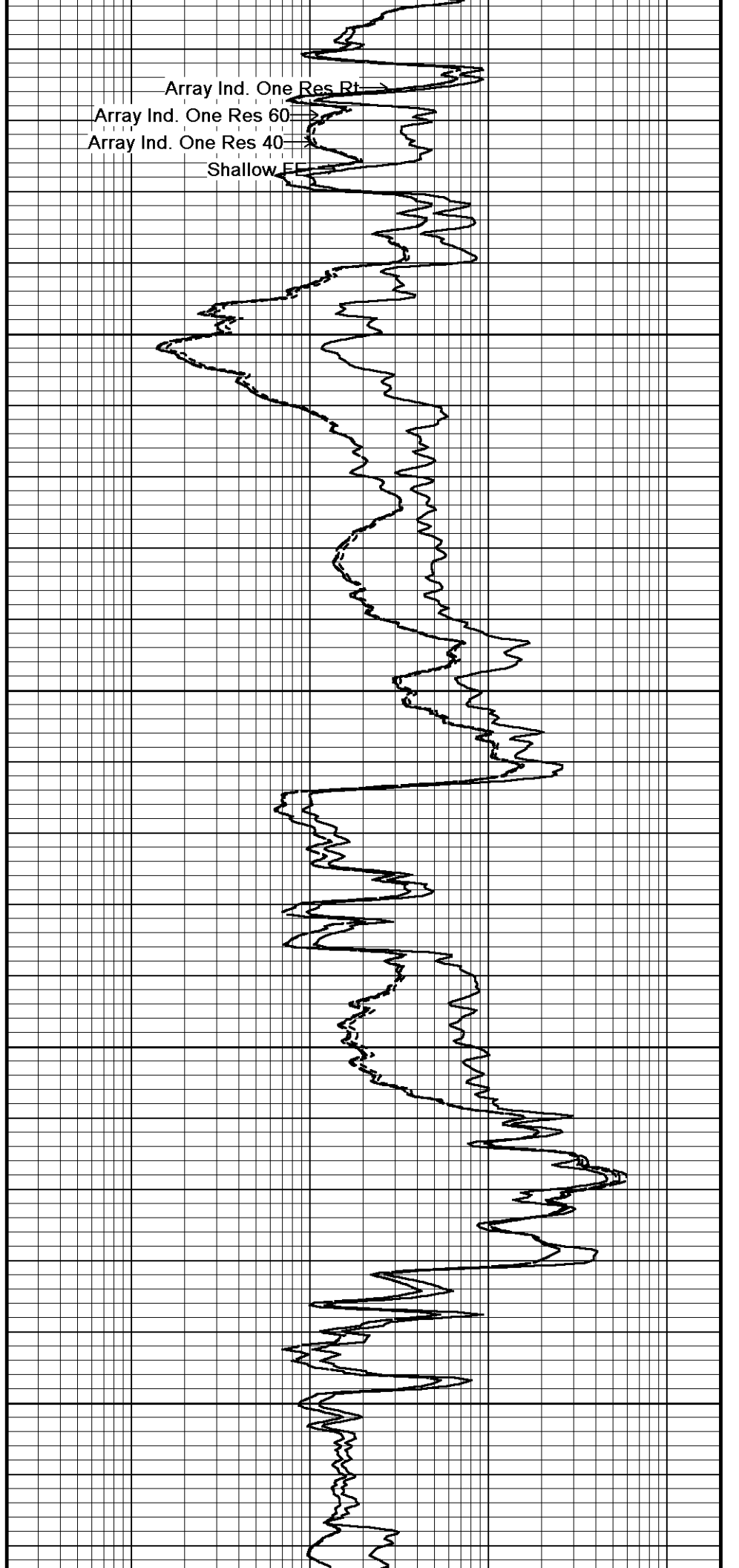
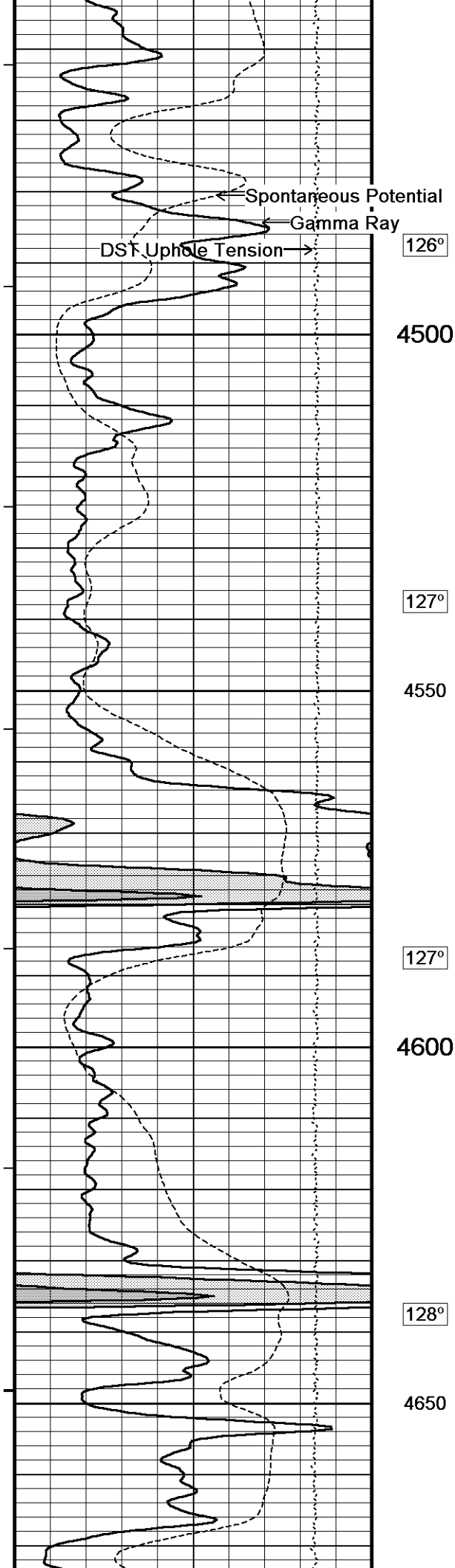
125°

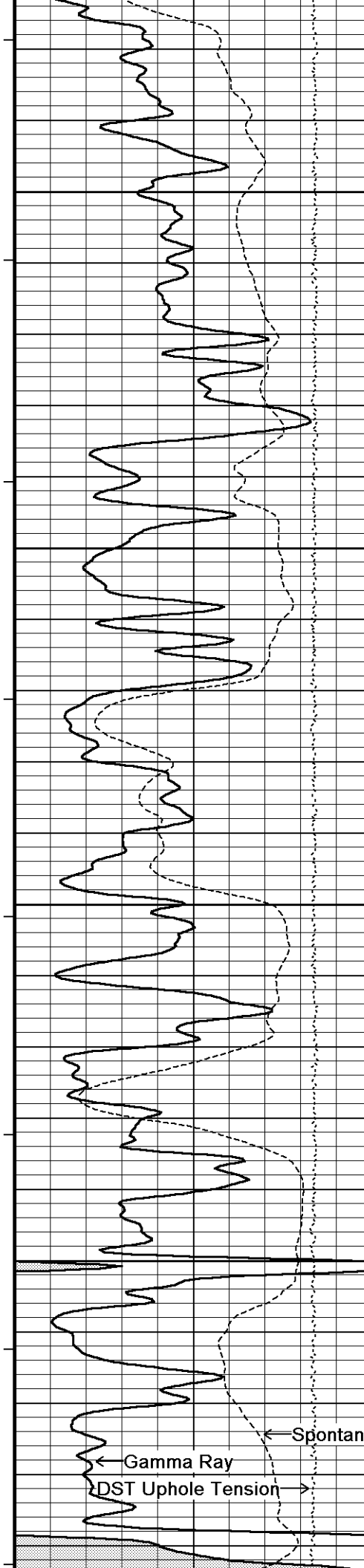
4400

126°

4450

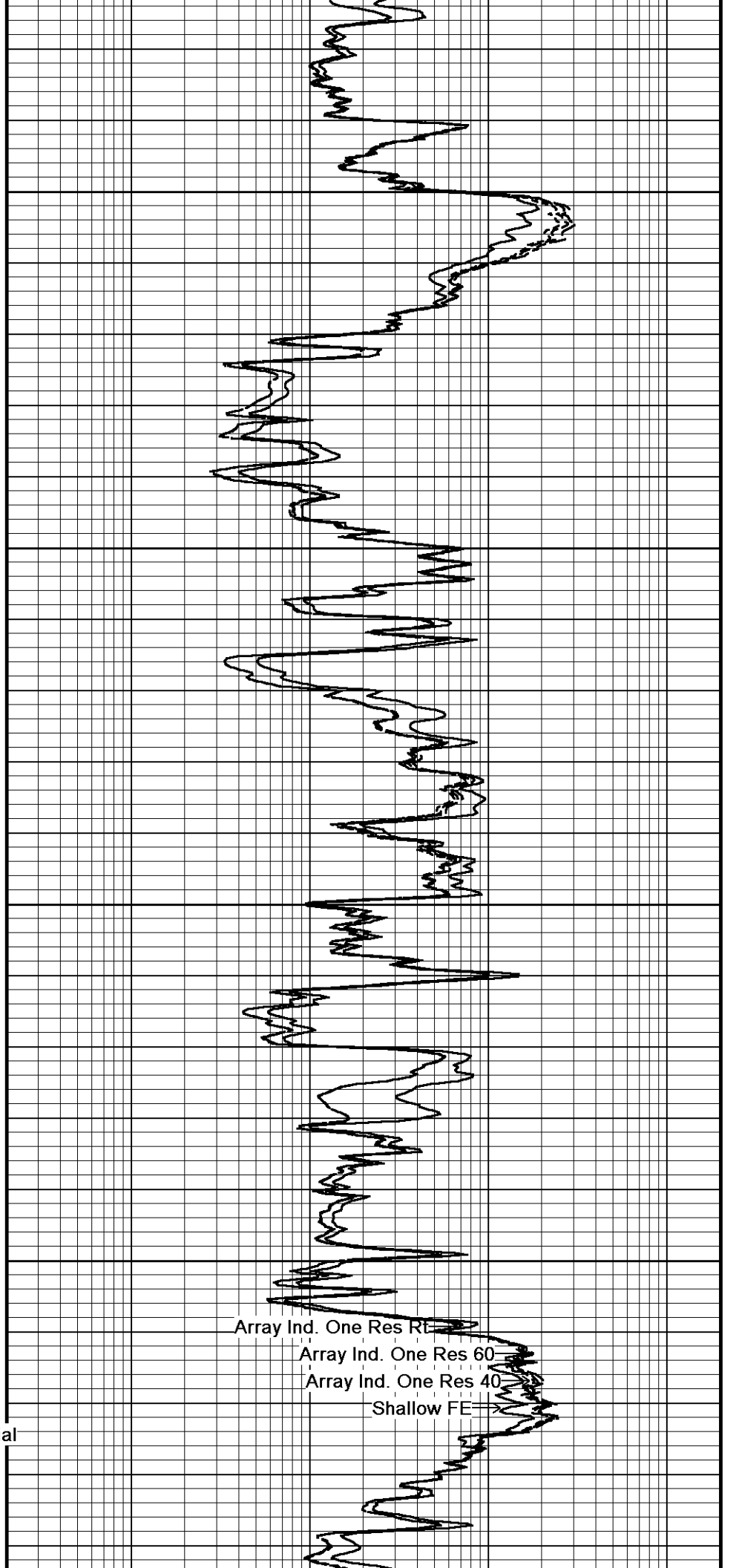




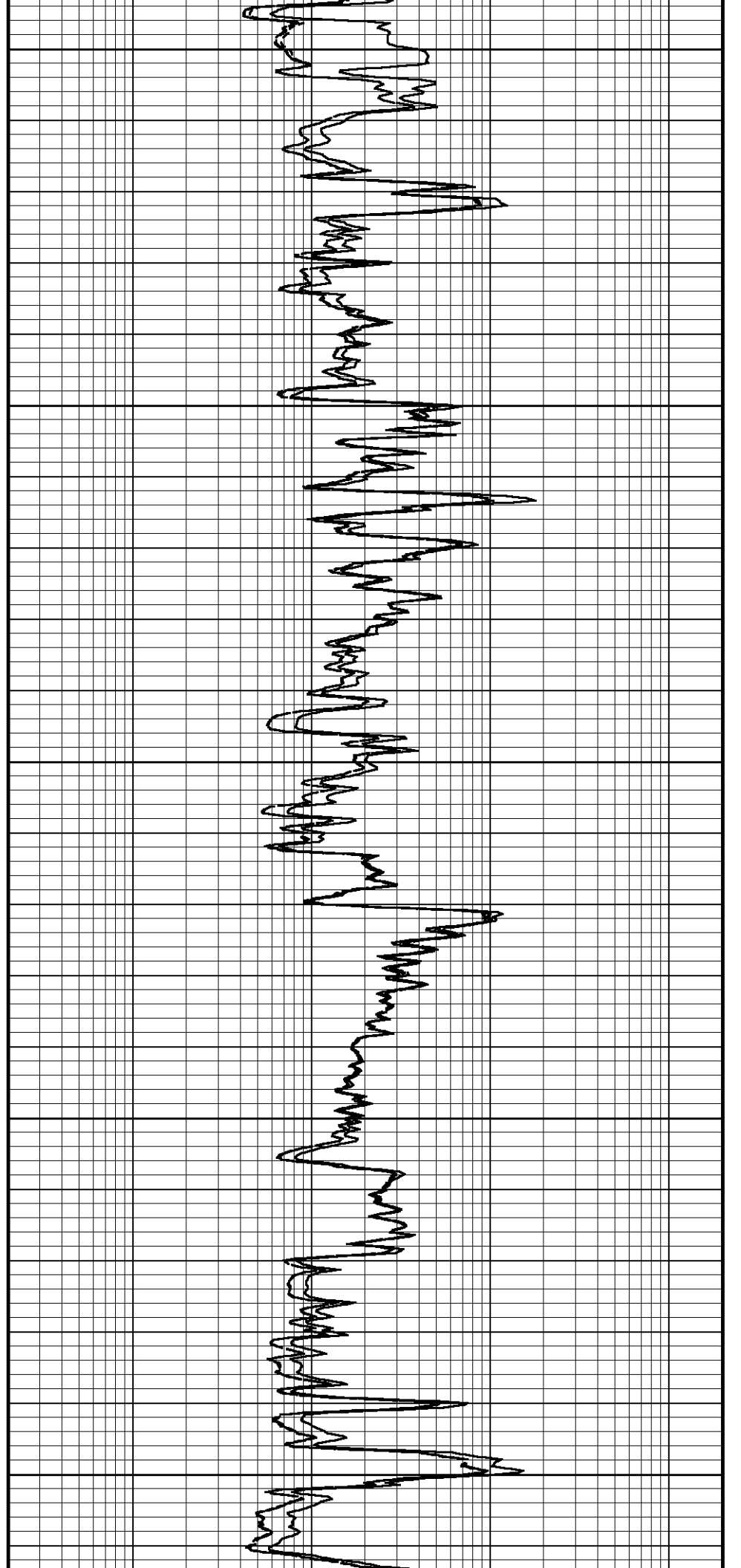
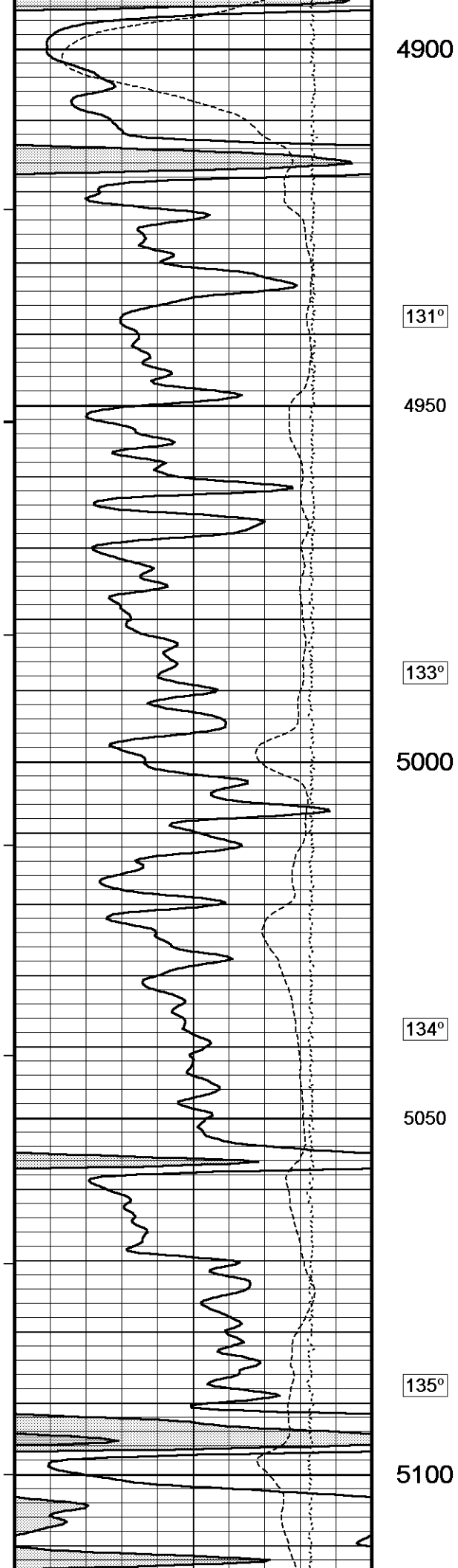


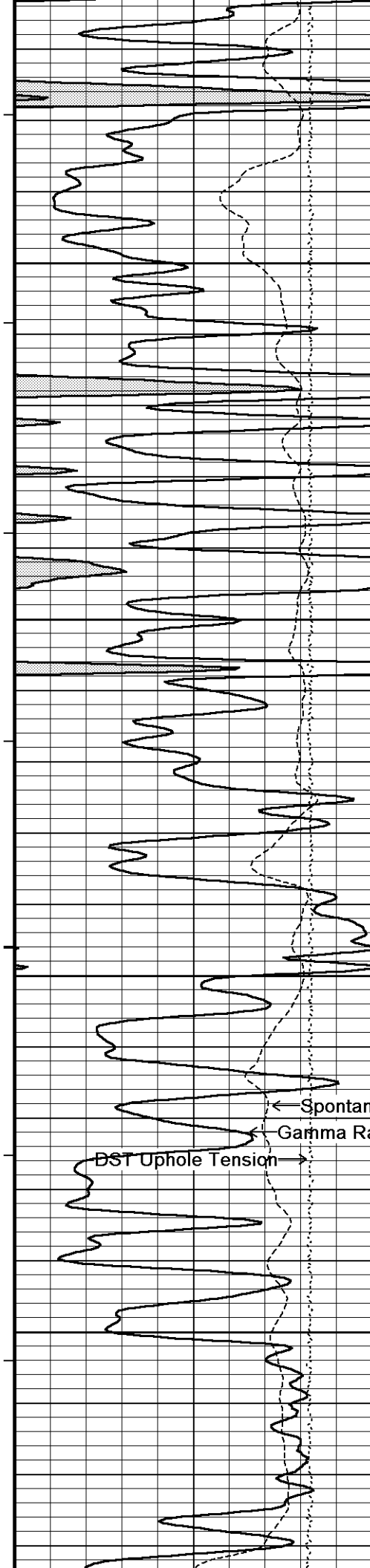
128°
4700
129°
4750
129°
4800
130°
4850
131°

← Gamma Ray
← Spontaneous Potential
← DST Uphole Tension →



Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE





135°

5150

136°

5200

137°

5250

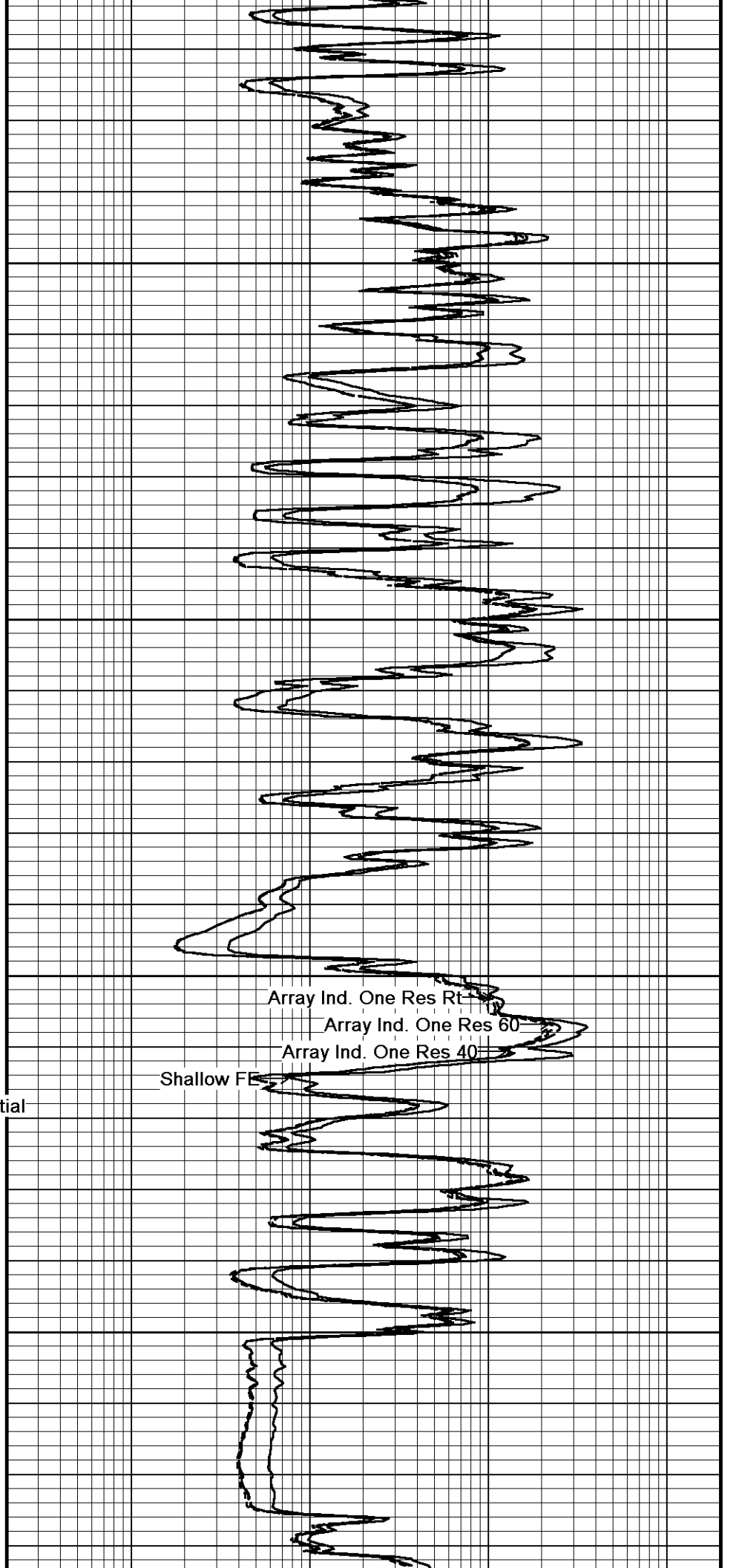
← Spontaneous Potential

Gamma Ray

DST Uphole Tension →

137°

5300



Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE



138°

5350

139°

5400

139°

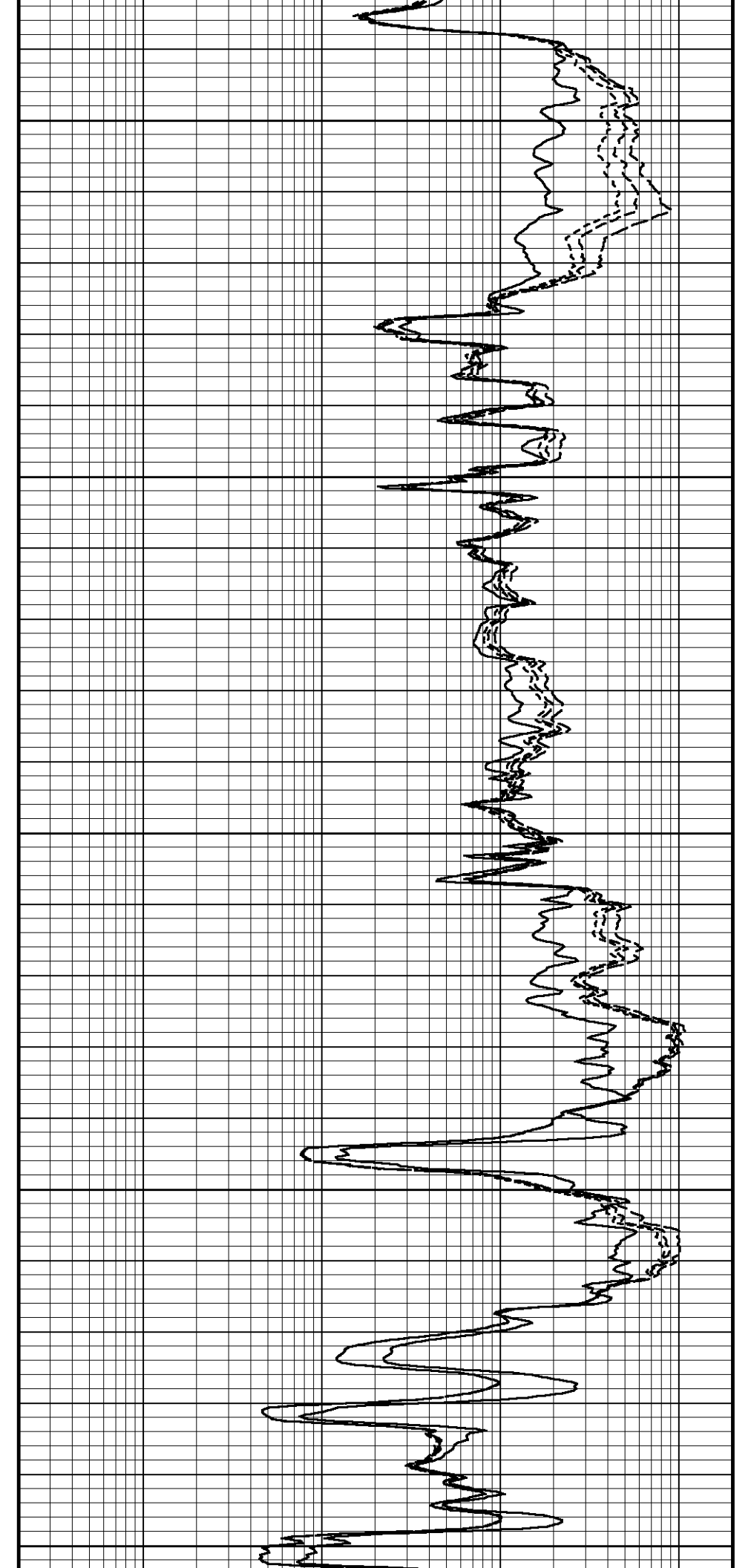
5450

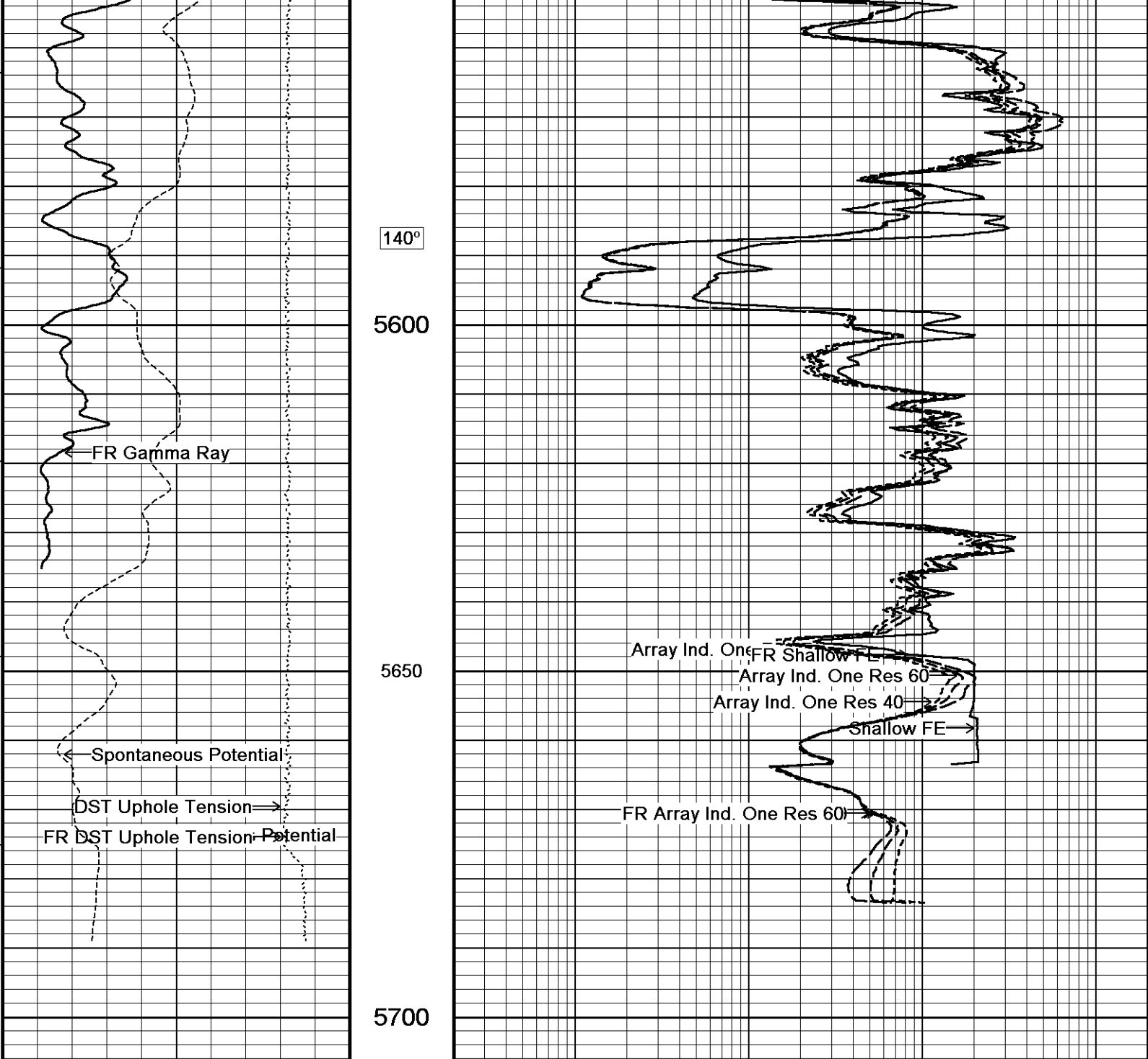
140°

5500

140°

5550





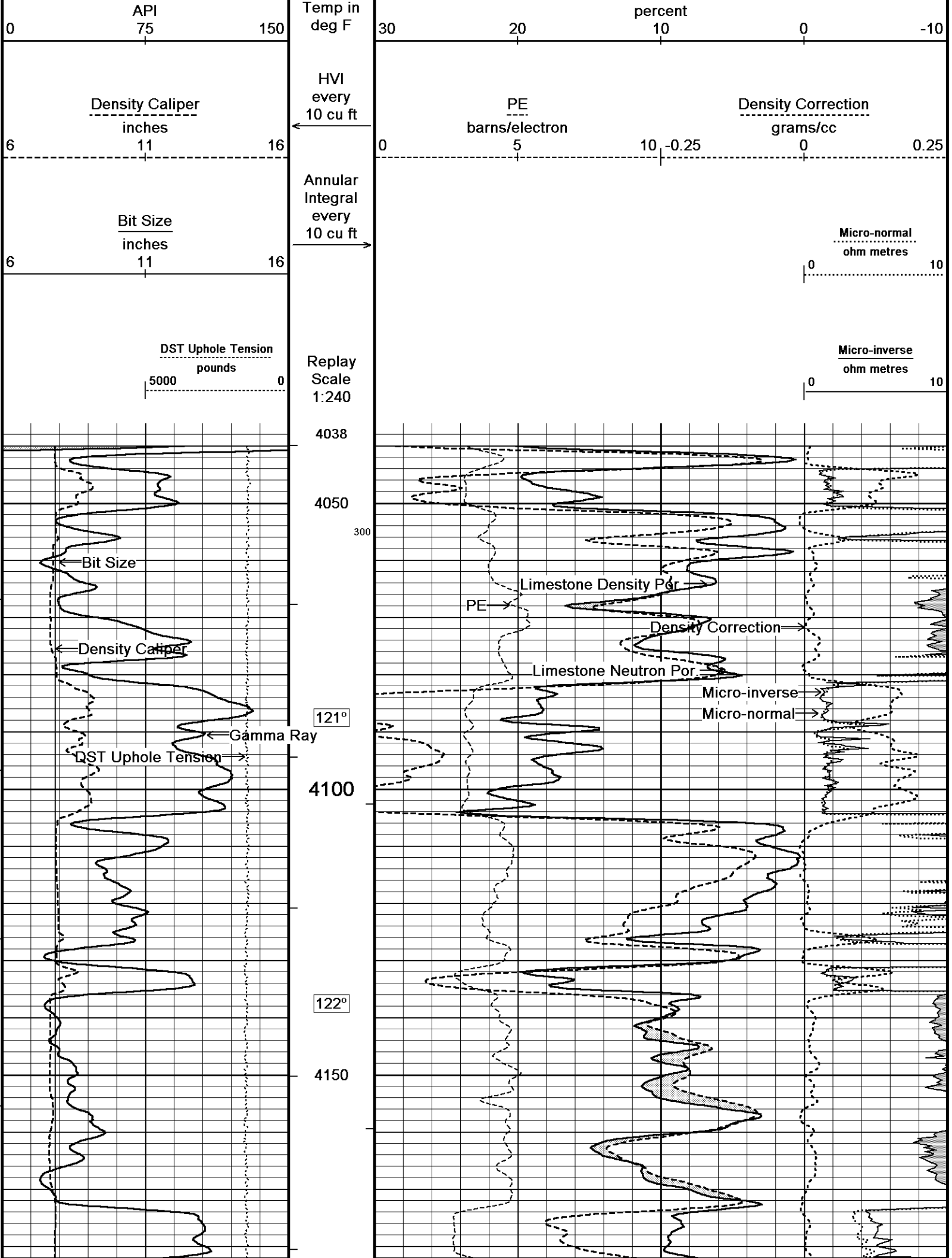
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 17-MAY-2012 20:28
 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops ...\Oxy Stoops B-1_Repeat_001 spooled section.dta
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 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

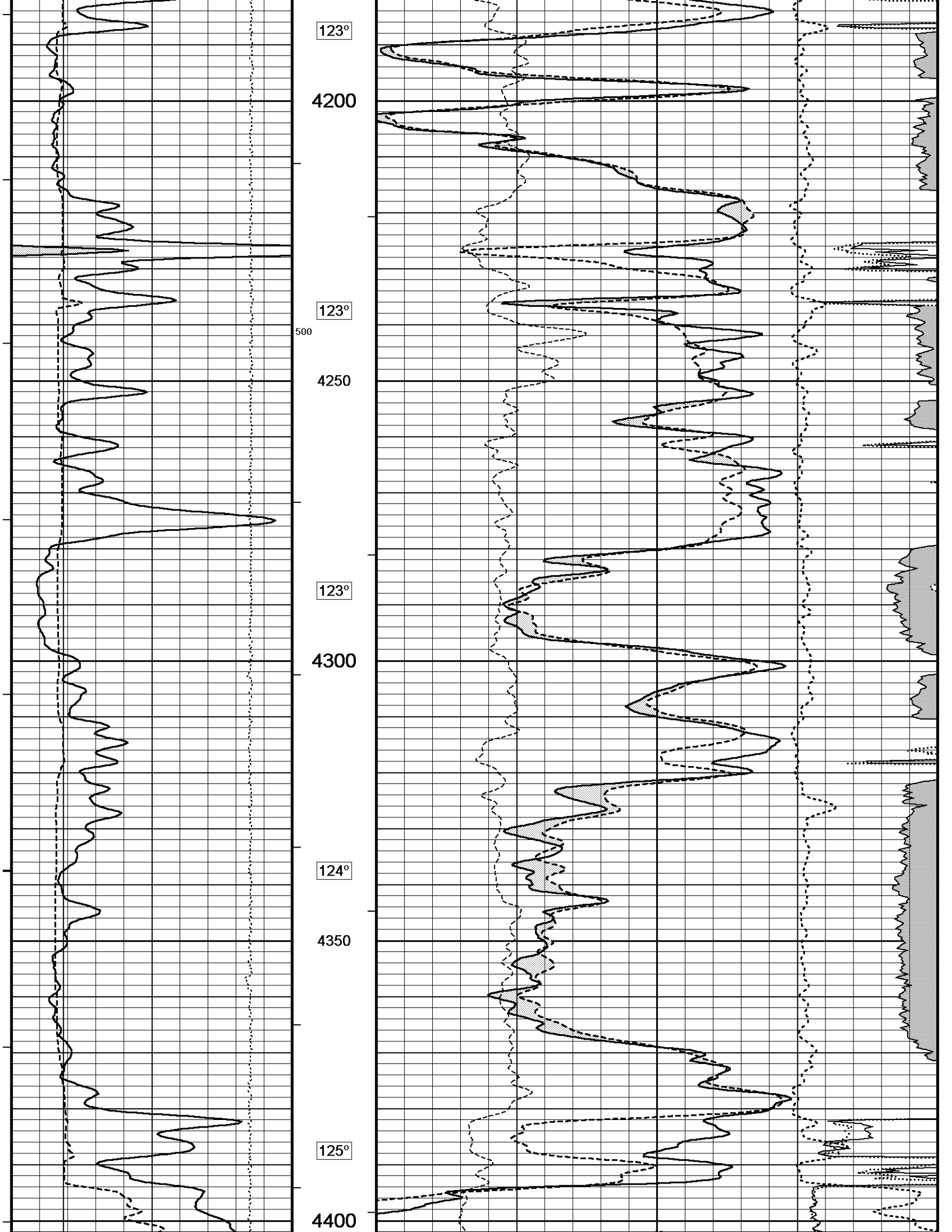
↑ 5 INCH REPEAT PASS ↑

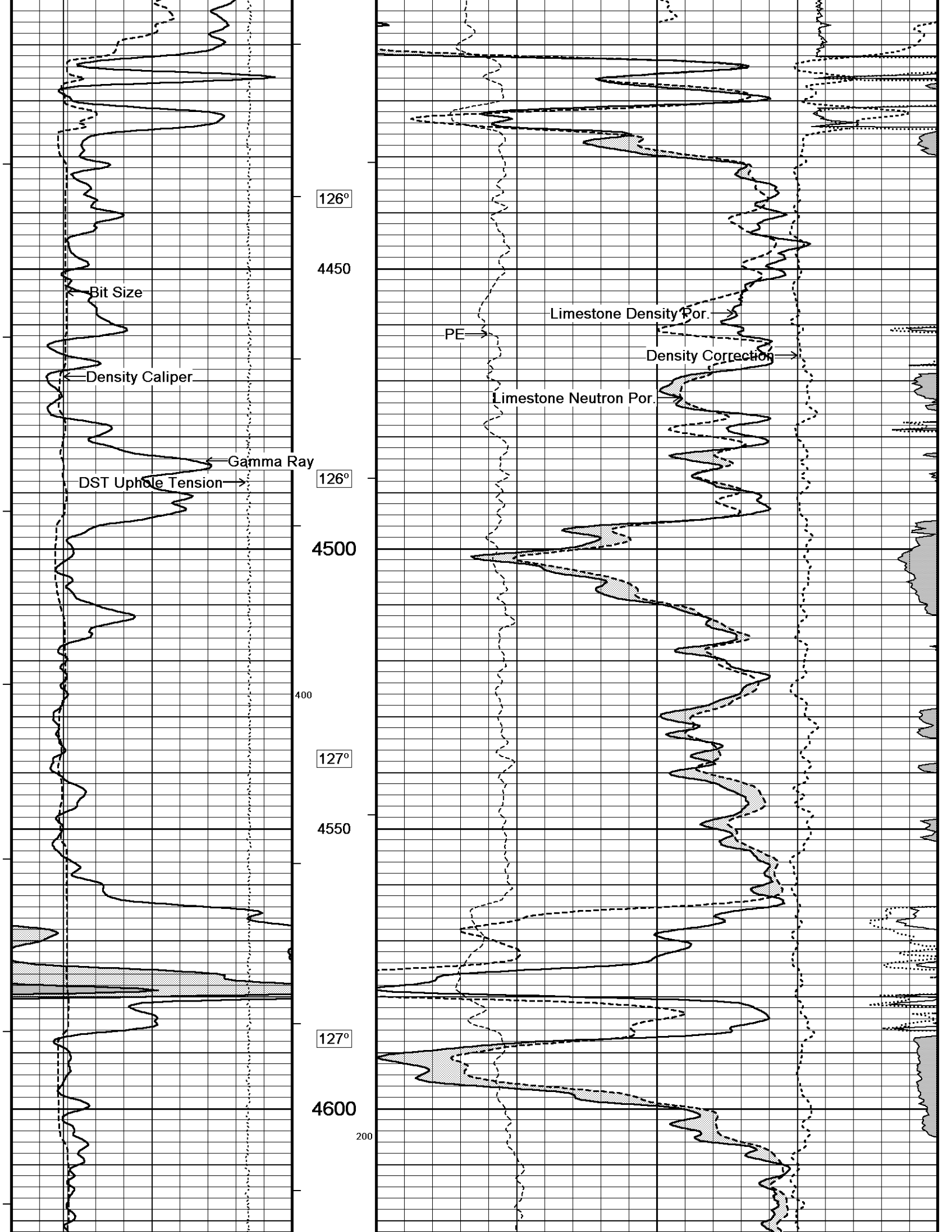
↓ 5 INCH REPEAT PASS ↓

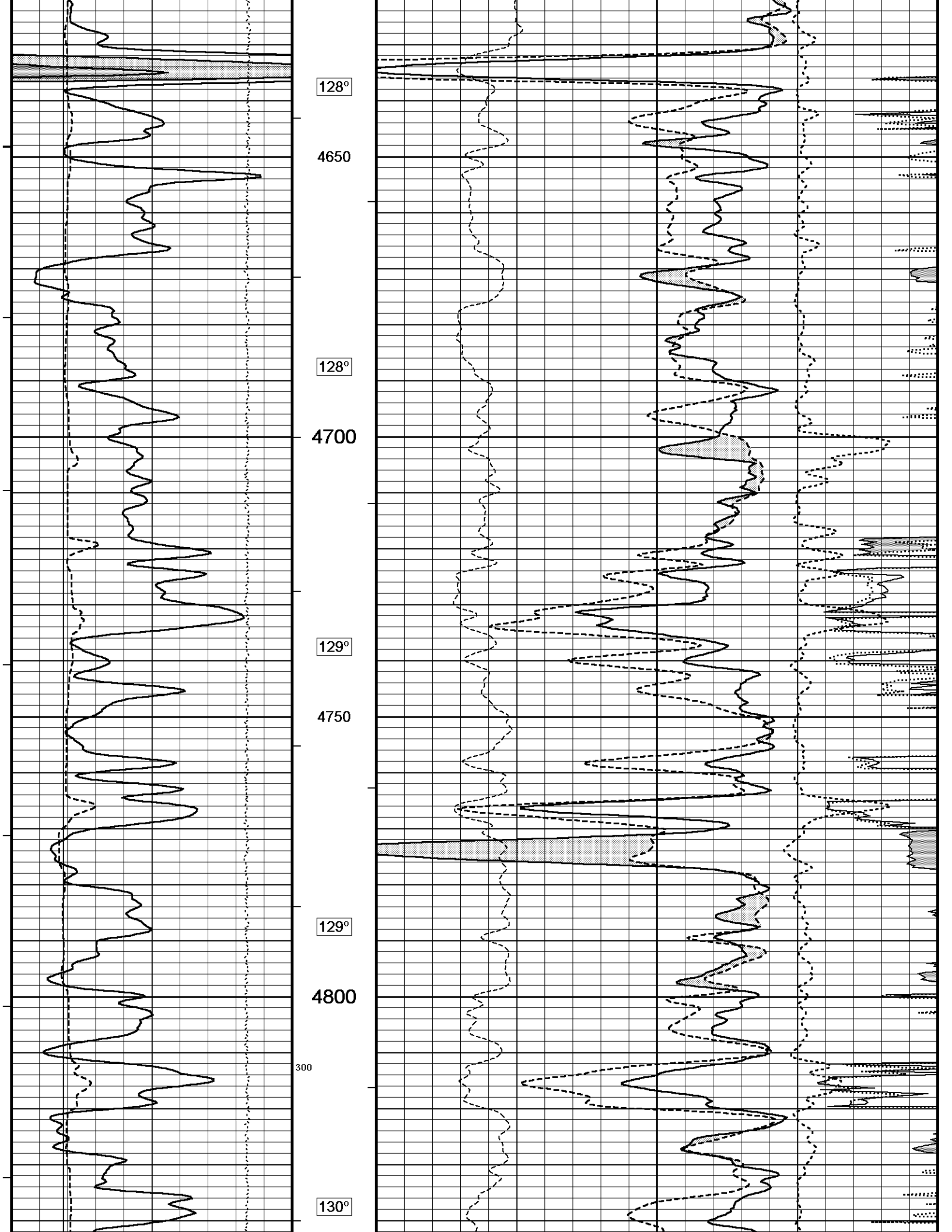
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 Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops ...\Oxy Stoops B-1_Repeat_001 spooled section.dta
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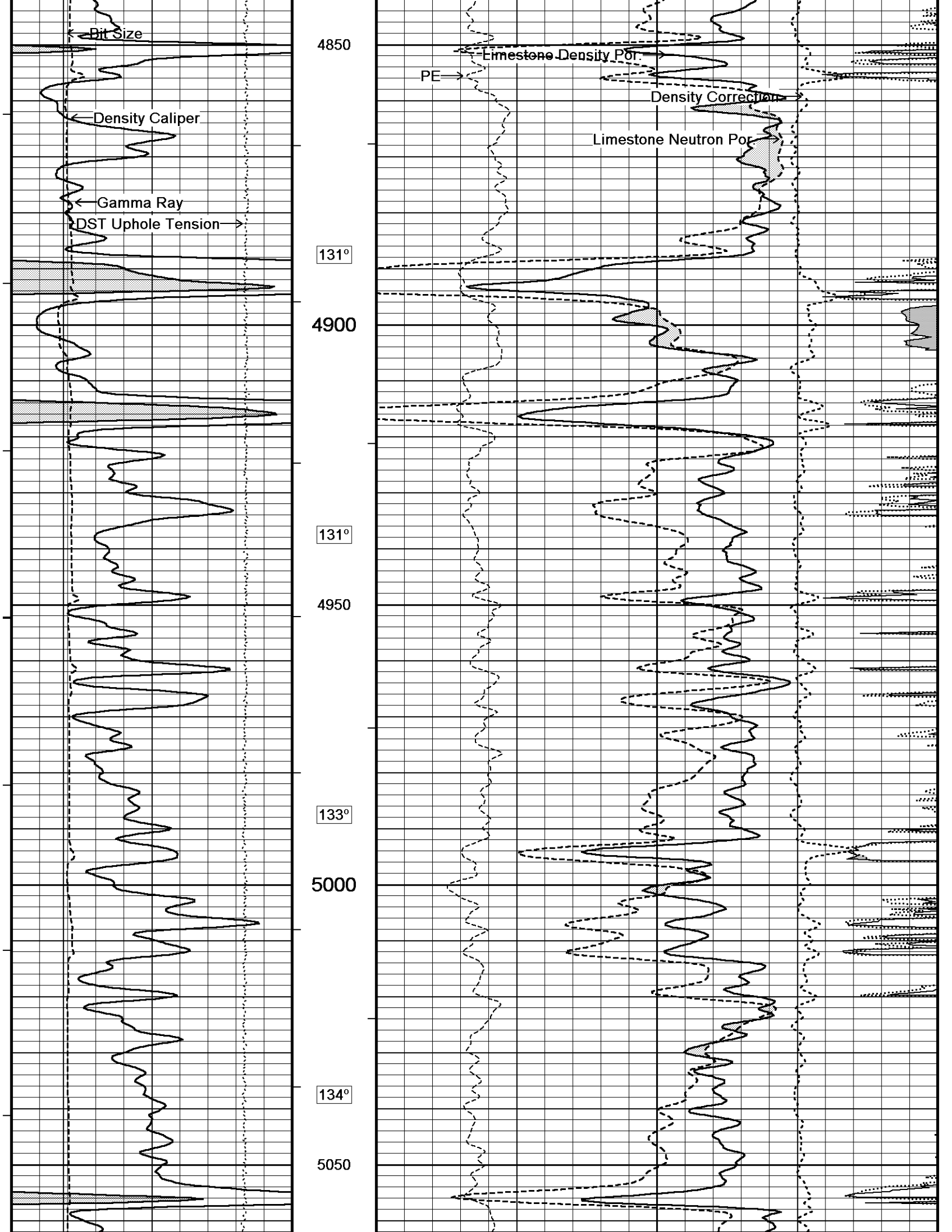
Timing Marks every 60.0 sec <u>Gamma Ray</u>	Depth in Feet	<u>Limestone Neutron Por.</u> percent 30 20 10 0 -10
	Borehole	<u>Limestone Density Por.</u>

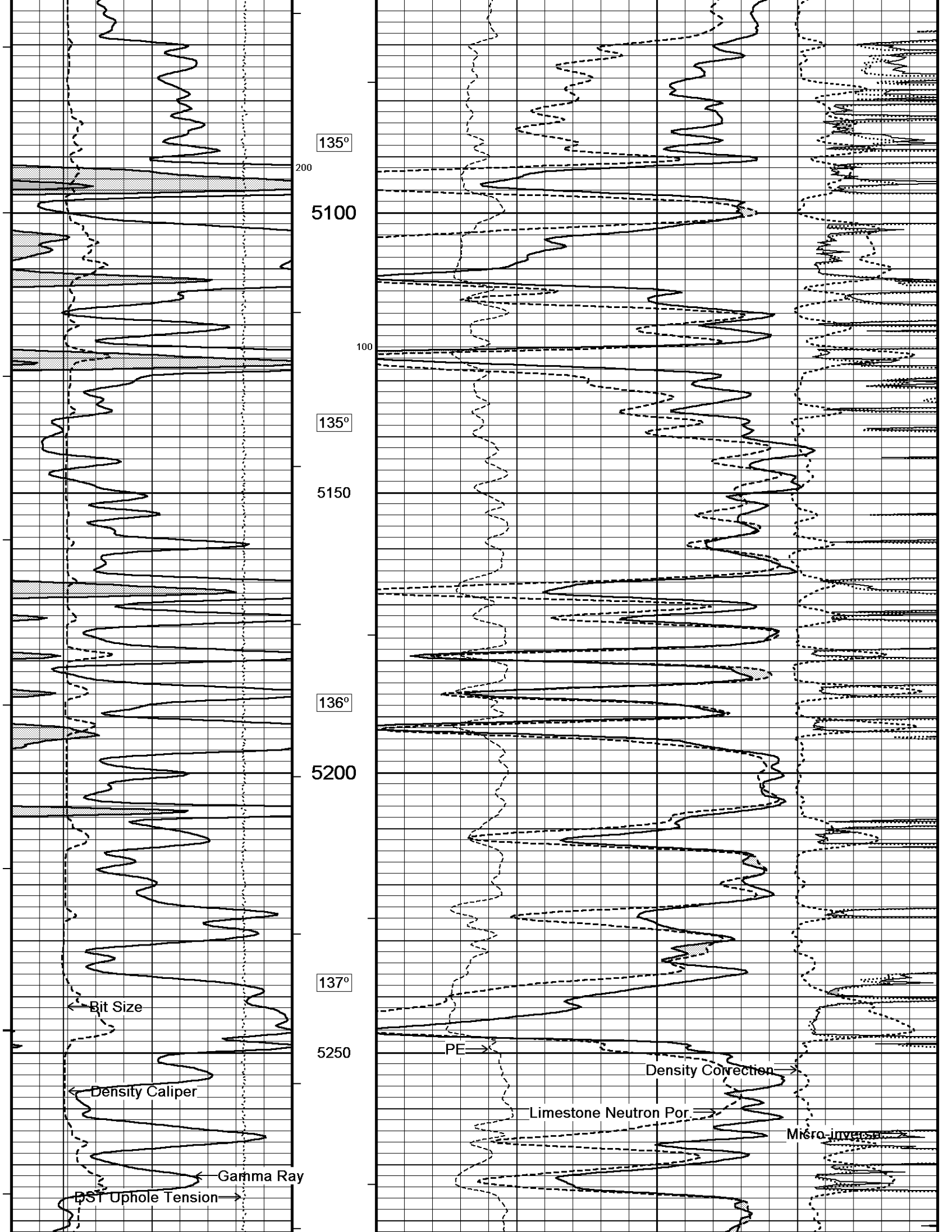


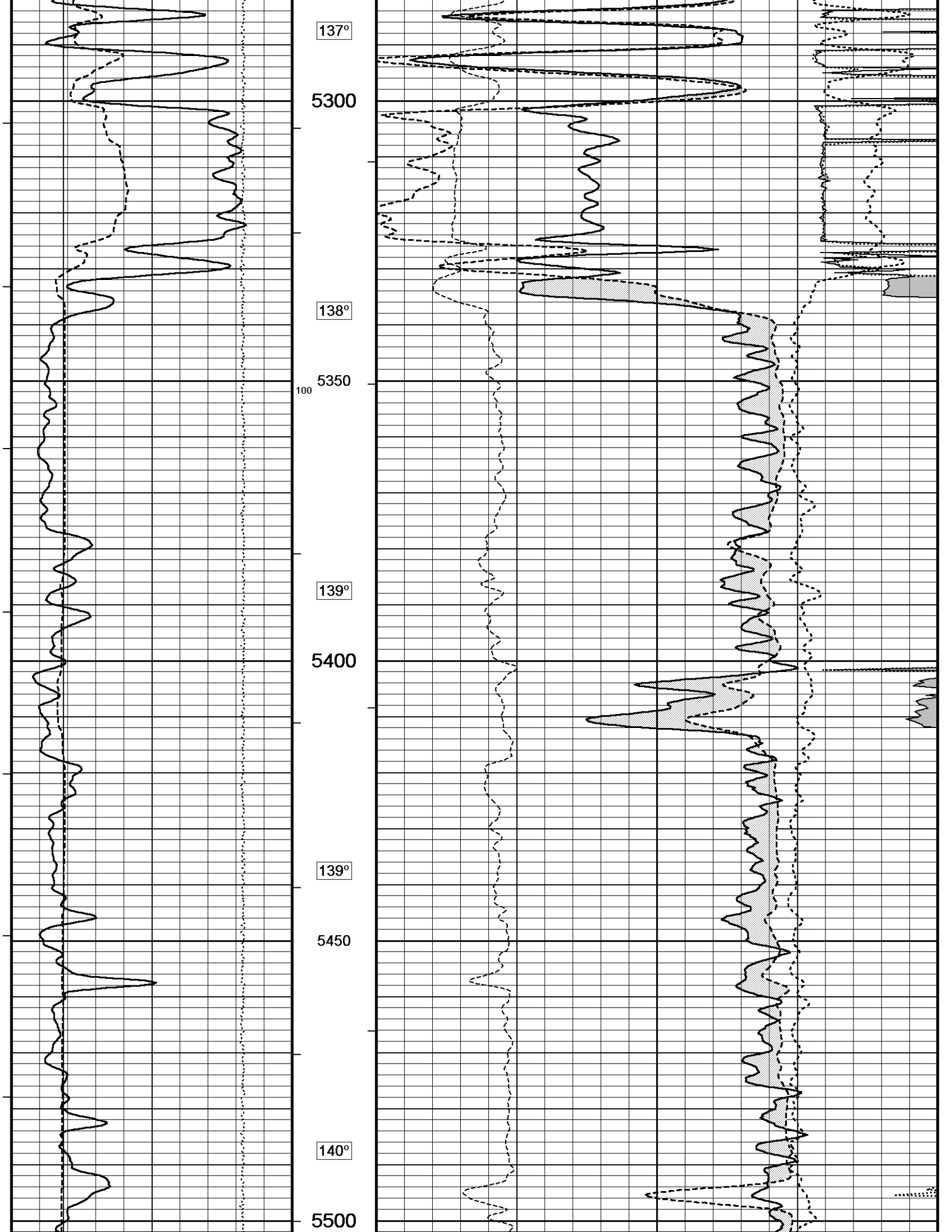


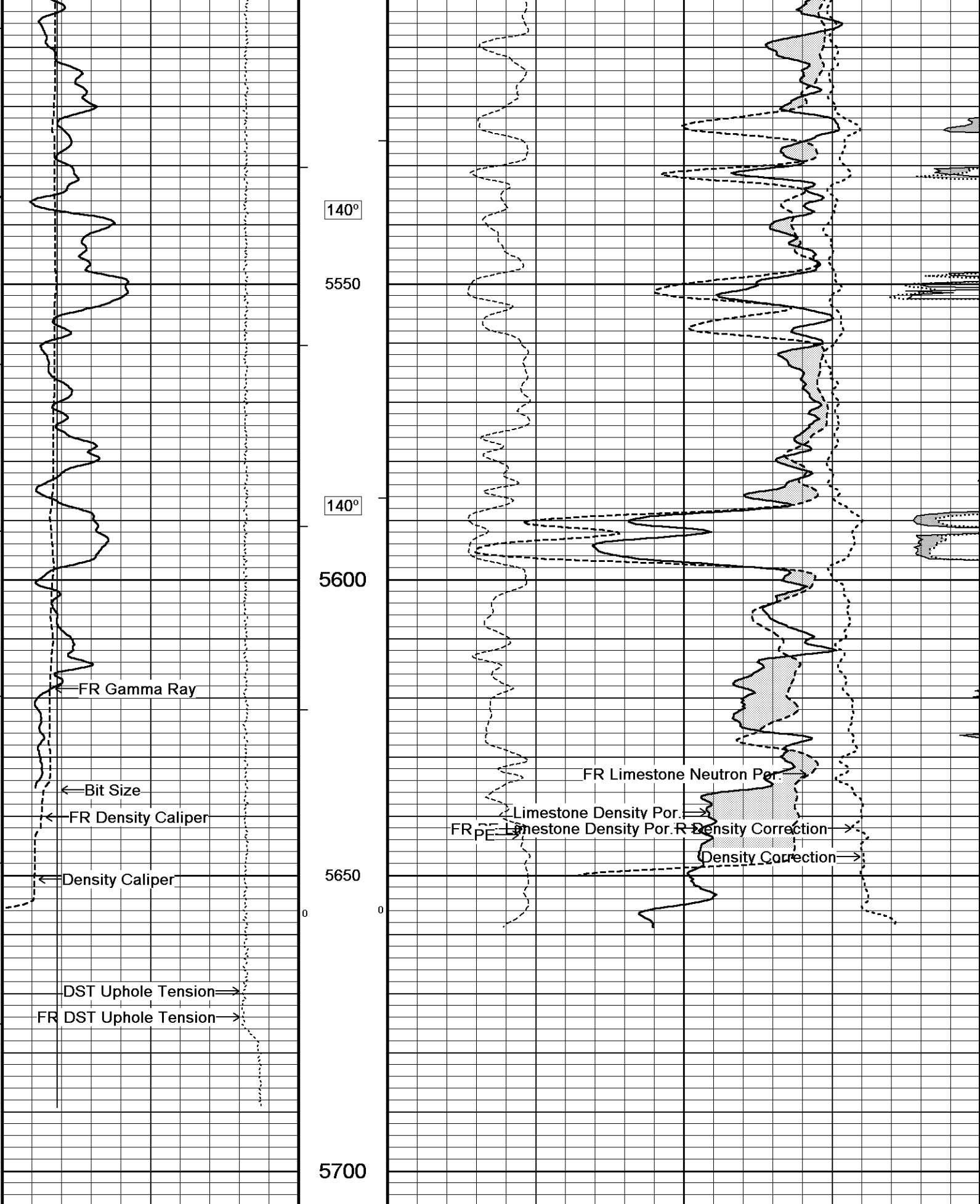












5 INCH REPEAT PASS

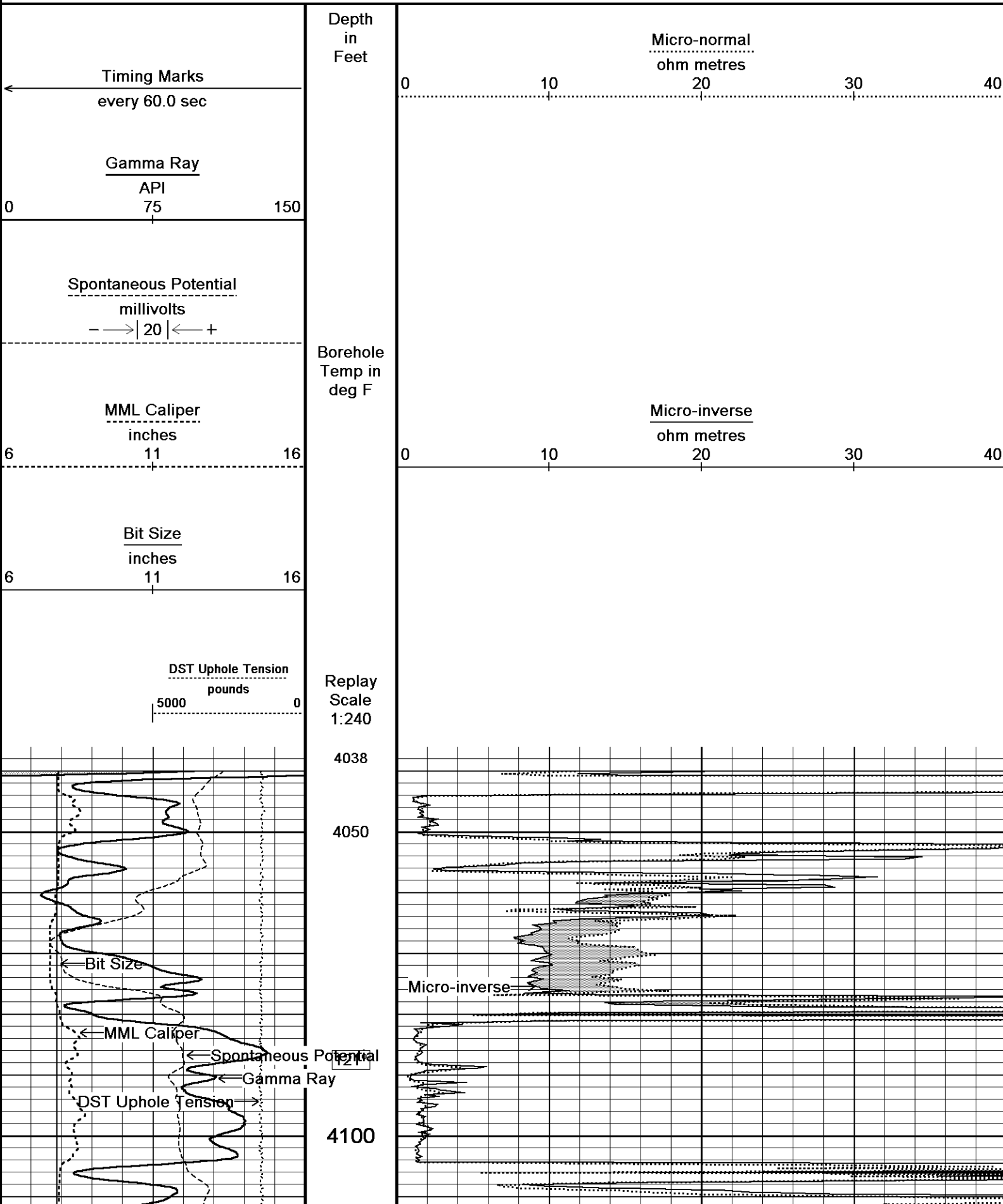
Depth Based Data - Maximum Sampling Increment 10.0cm

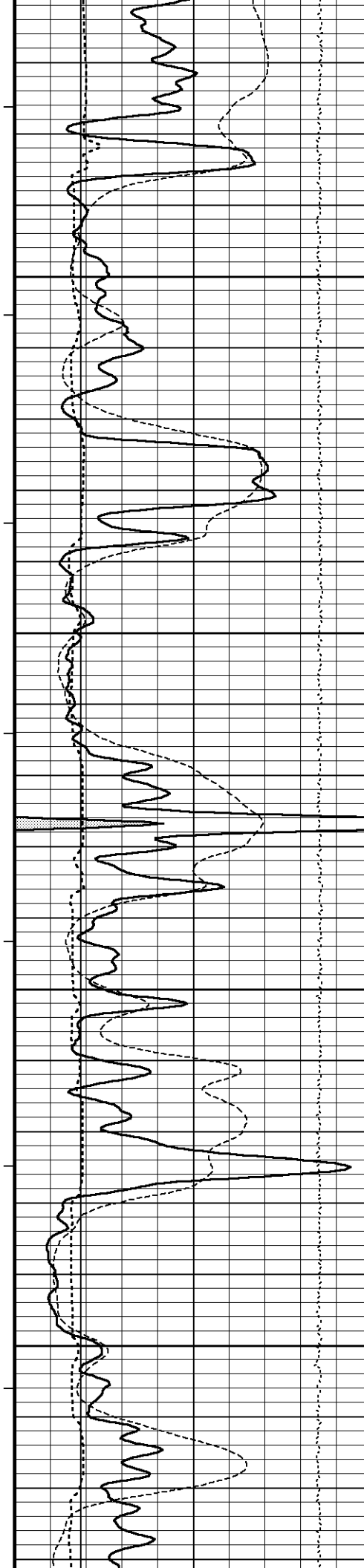
Plotted on 17-MAY-2012 20:28

Filename: C:\Minimus 11.03.4044\Data\Oxy Stoops ...\Oxy Stoops B-1_Repeat_001 spooled section.dta

Recorded on 17-MAY-2012 20:19

System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044





122°

4150

123°

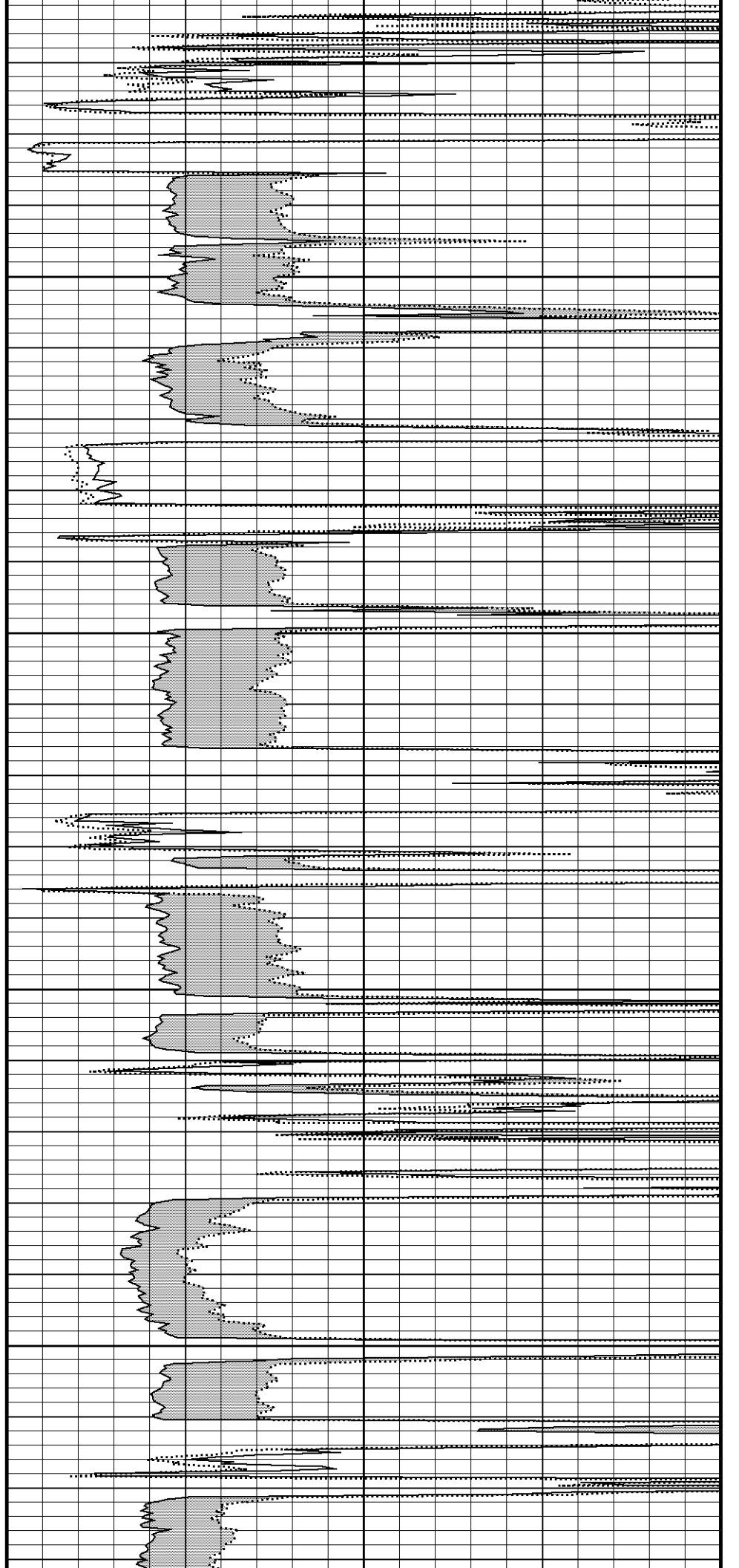
4200

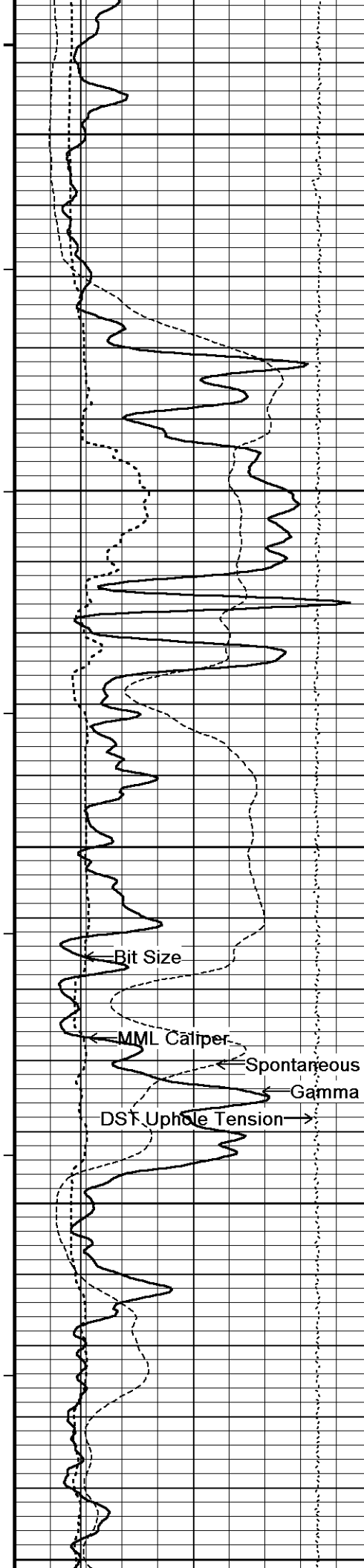
123°

4250

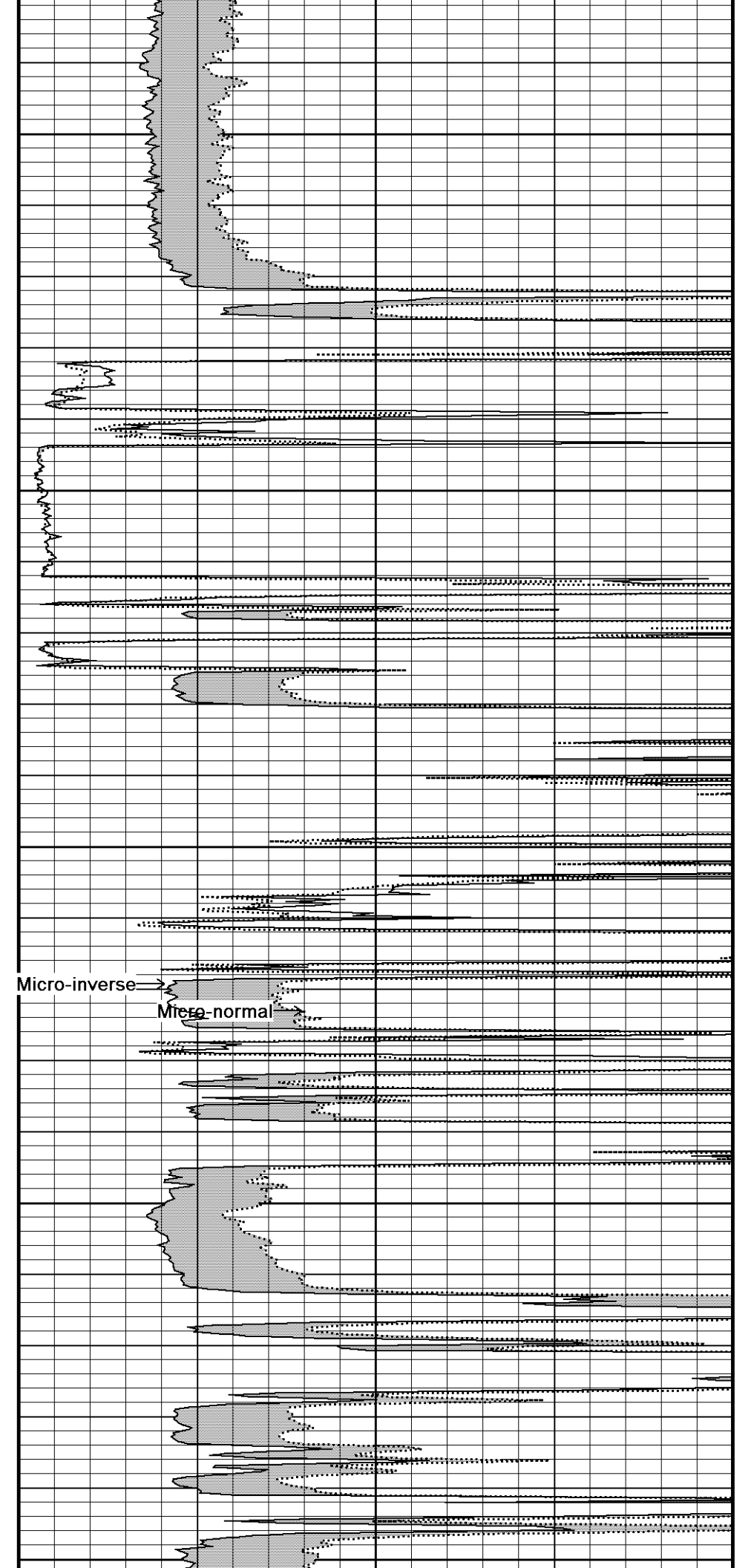
123°

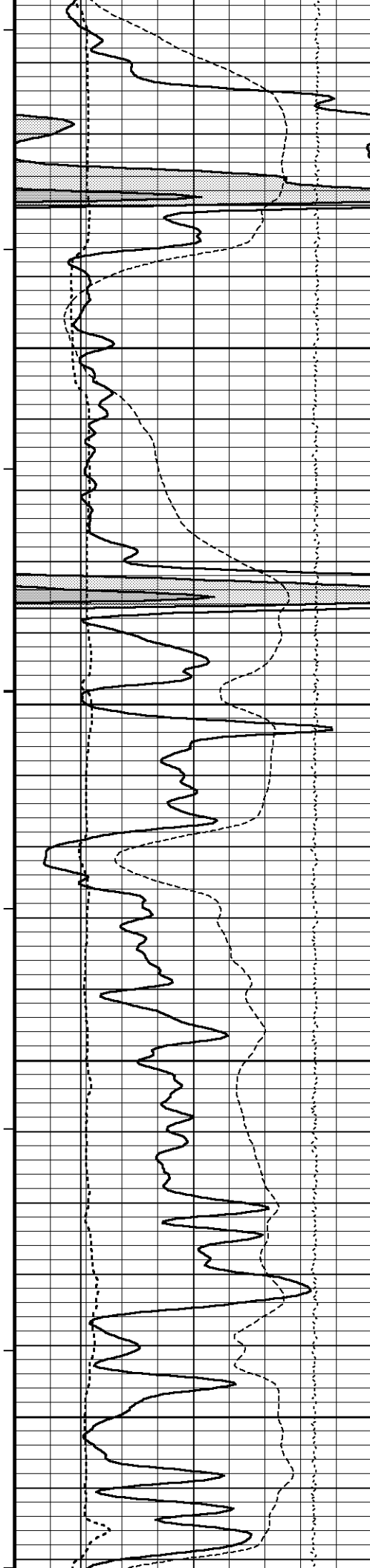
4300





124°
4350
125°
4400
126°
4450
126°
4500
127°
4550





127°

4600

128°

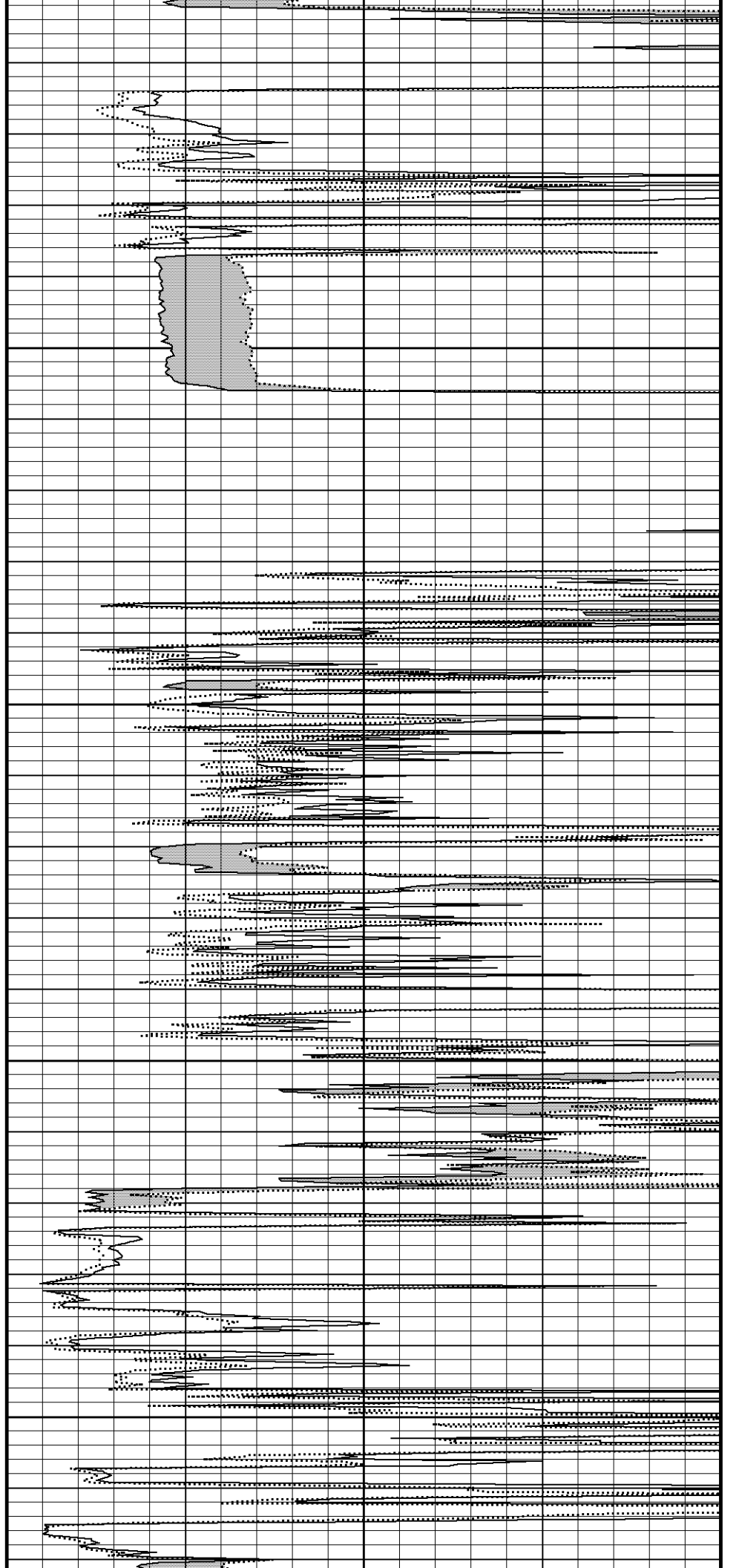
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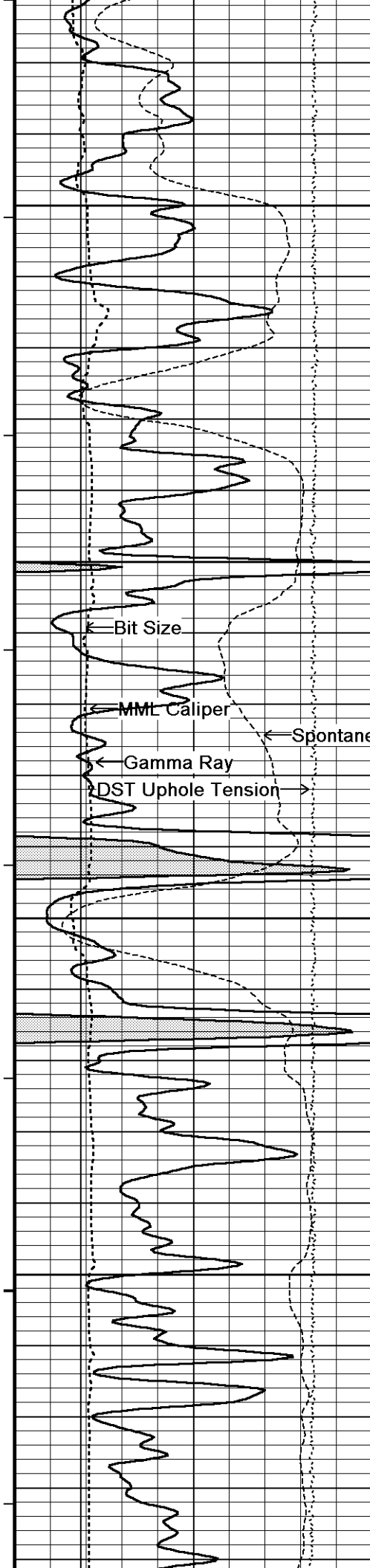
128°

4700

129°

4750





129°

4800

130°

4850

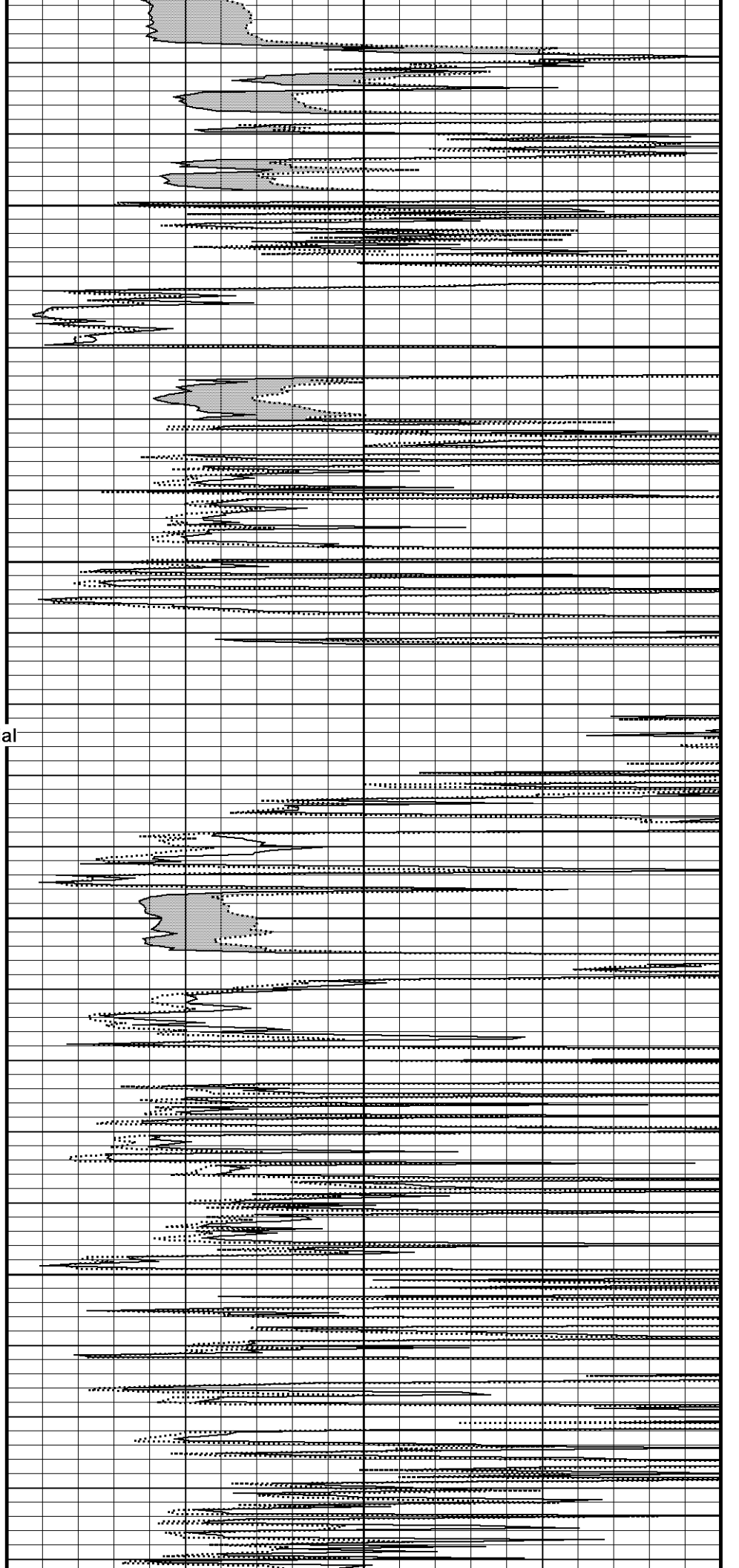
131°

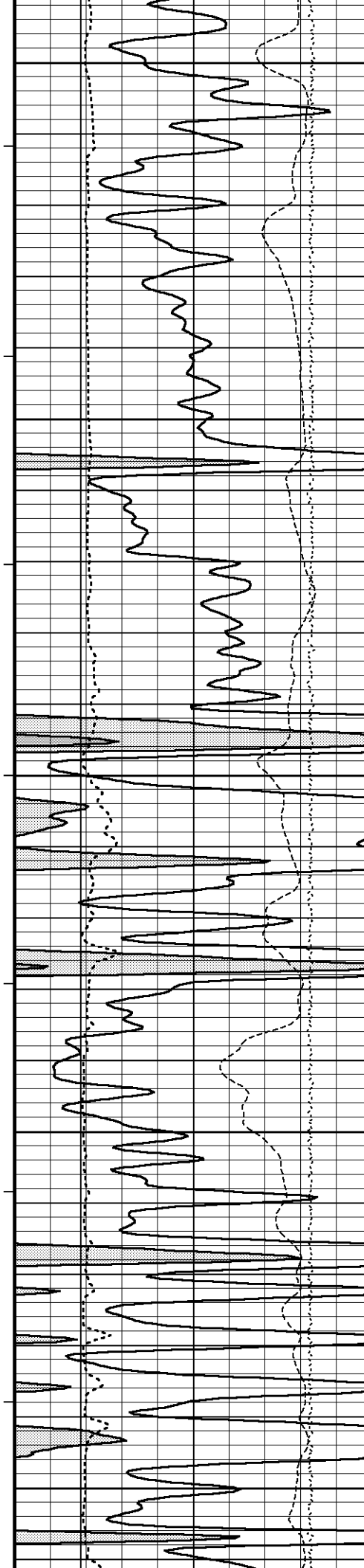
4900

131°

4950

133°





5000

134°

5050

135°

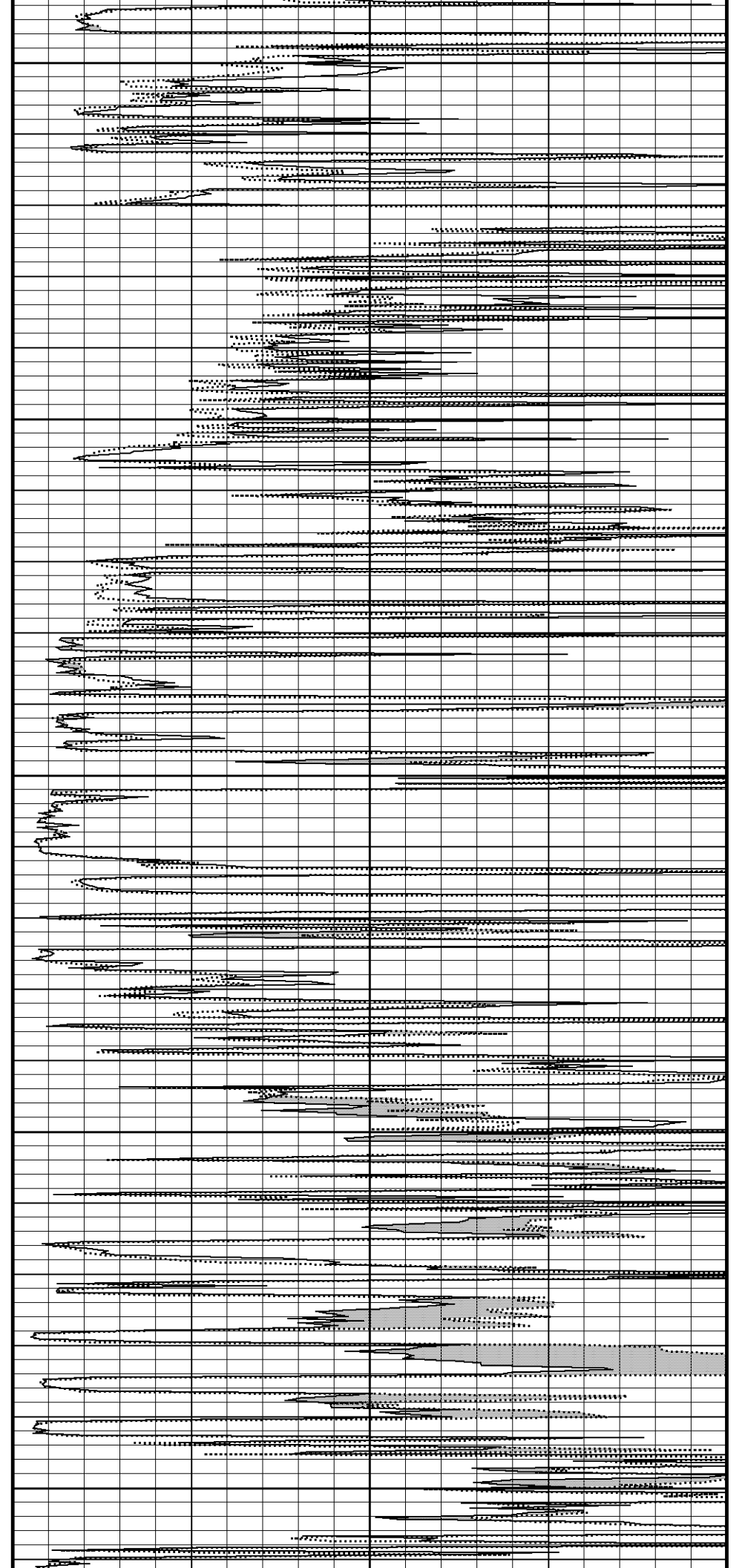
5100

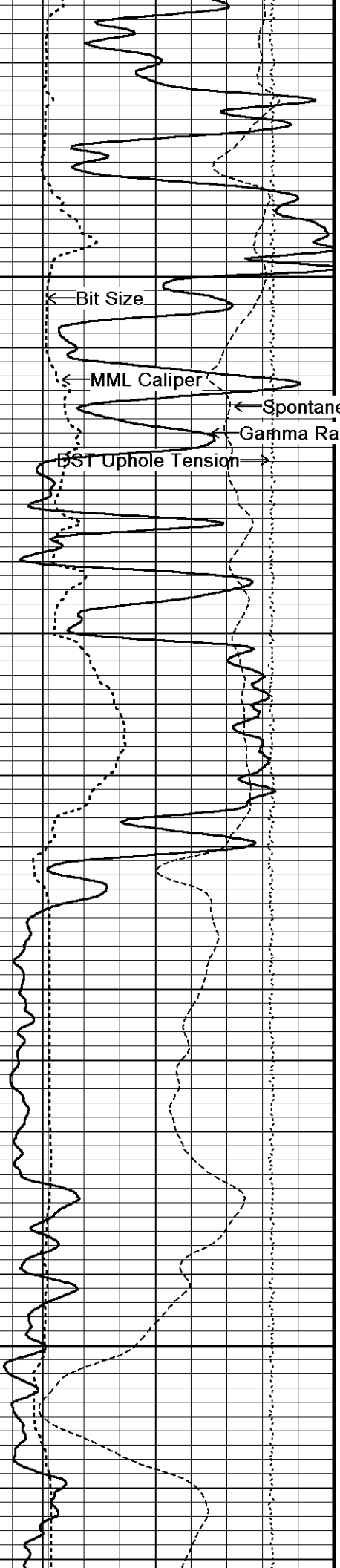
135°

5150

136°

5200





137°

5250

137°

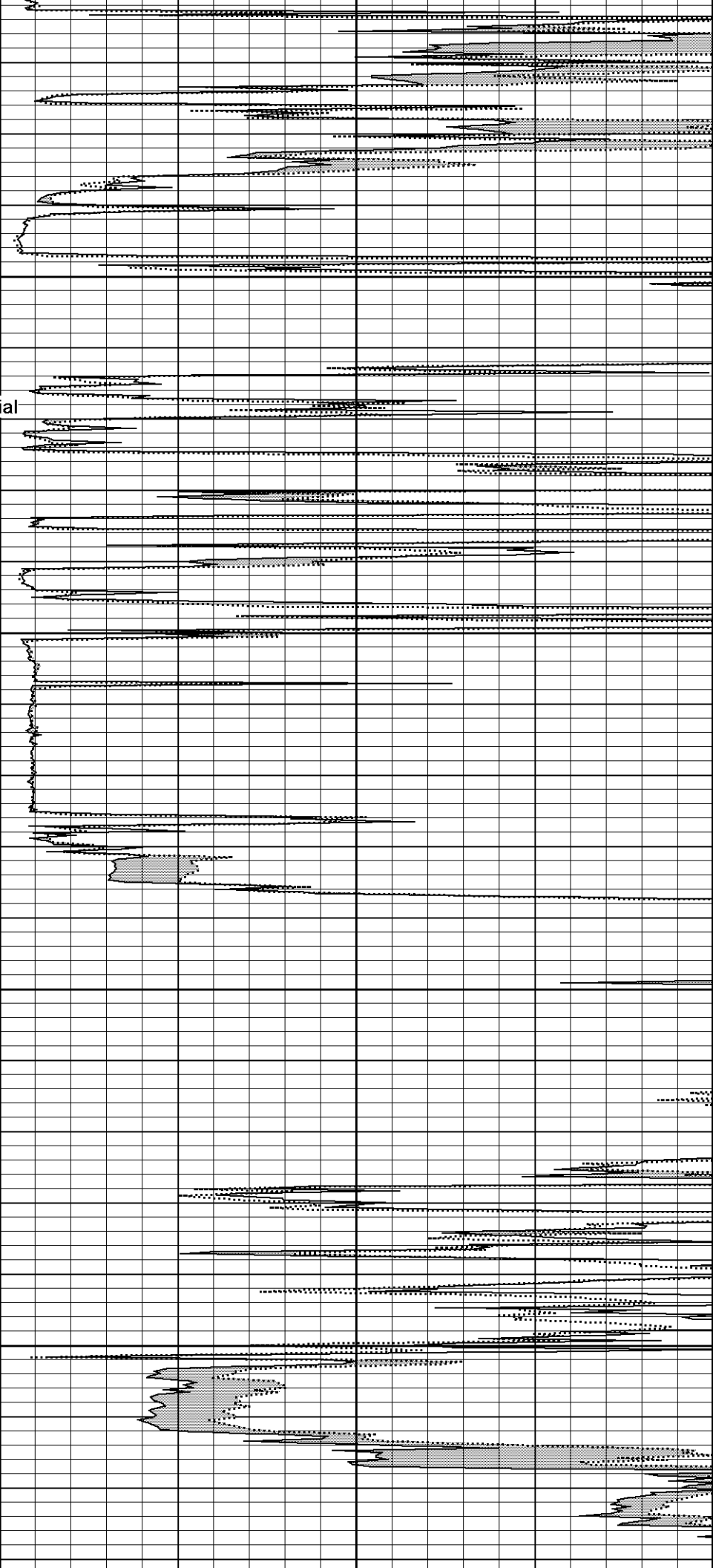
5300

138°

5350

139°

5400



139°

5450

140°

5500

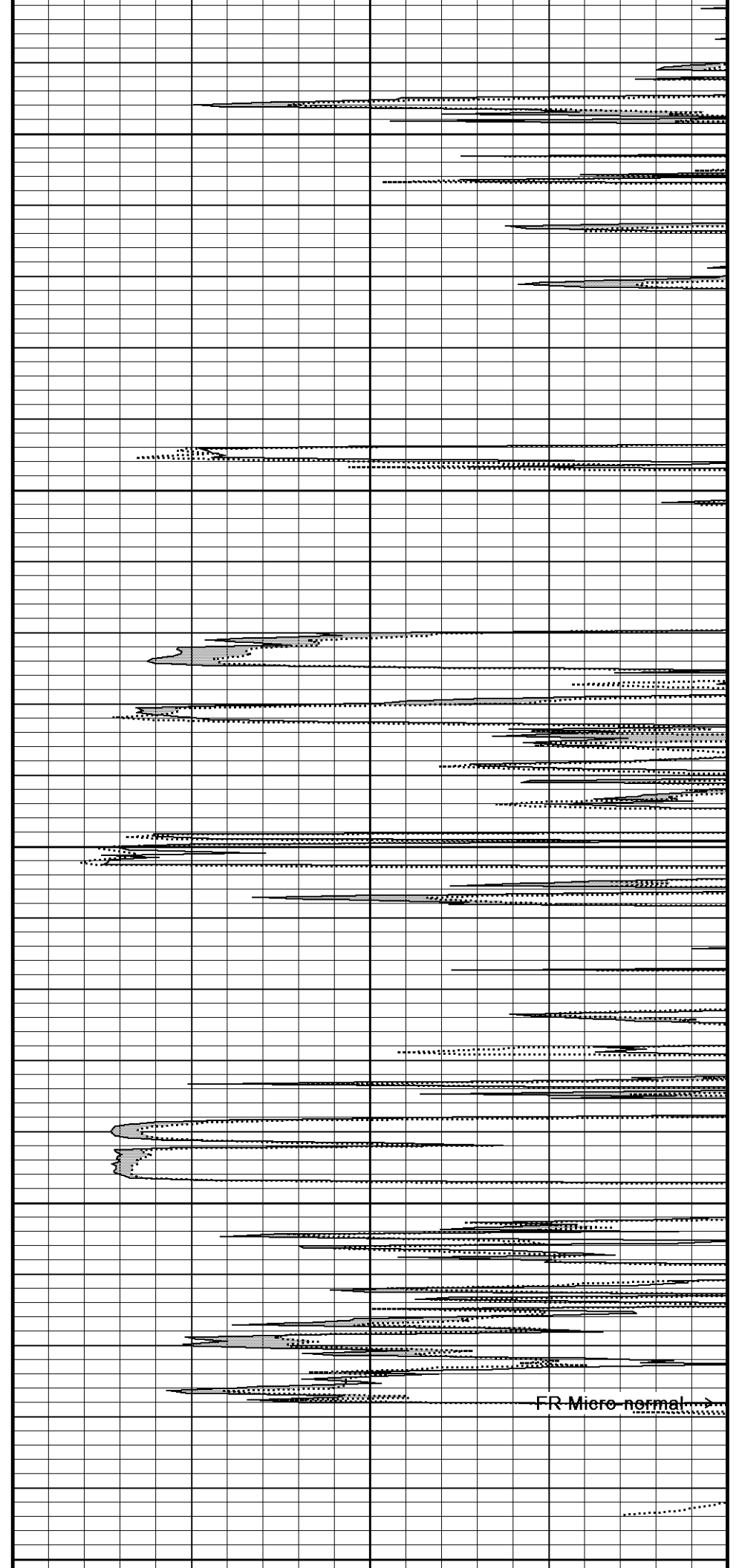
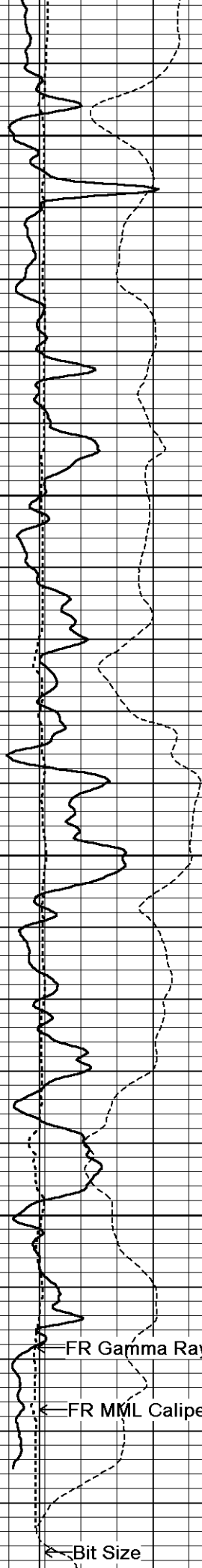
140°

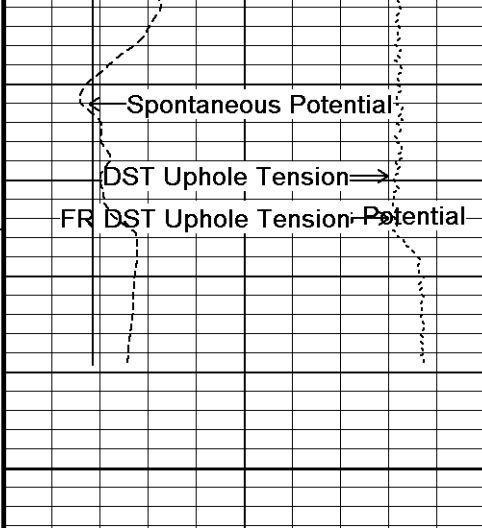
5550

140°

5600

5650





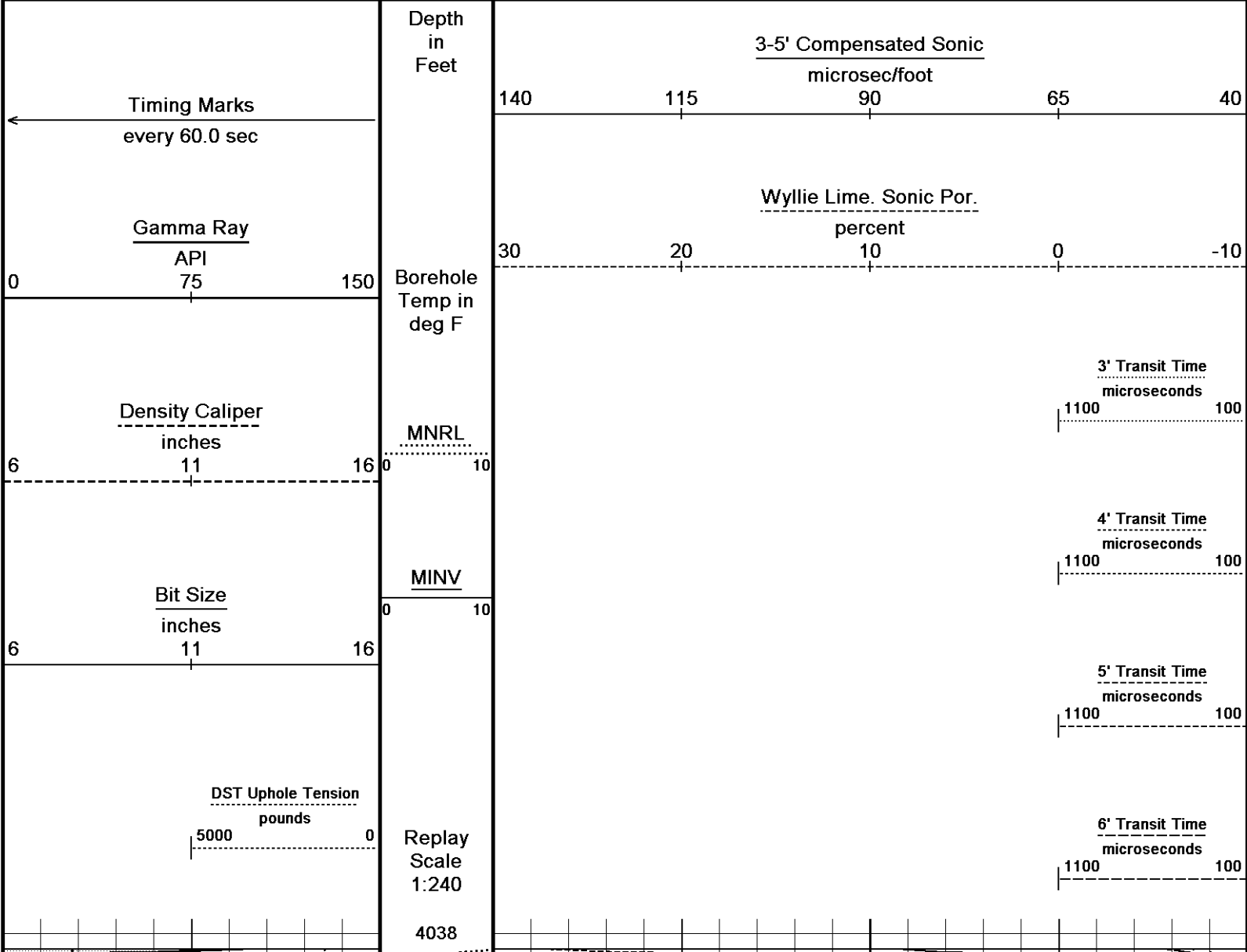
5700

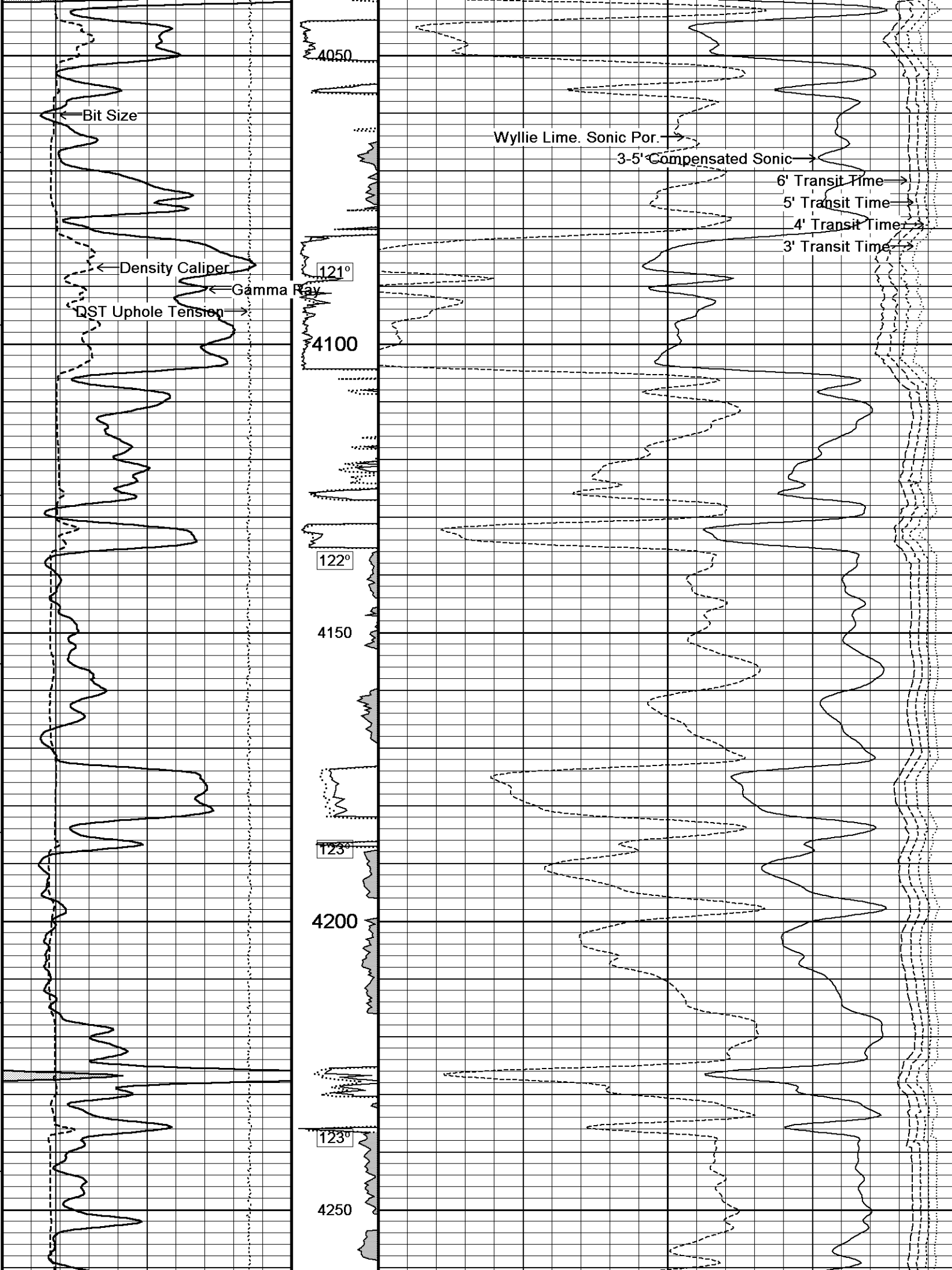
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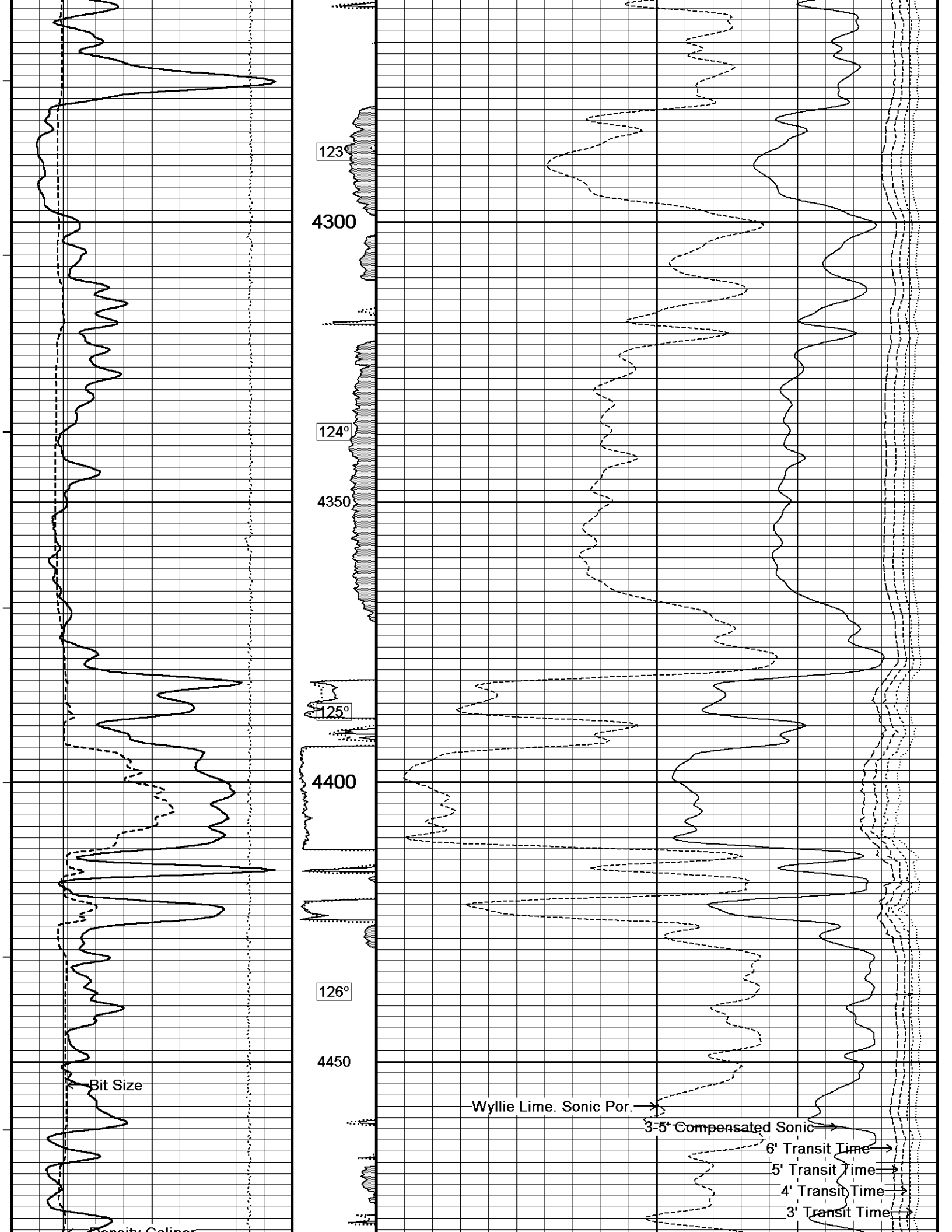
↑ 5 INCH REPEAT PASS ↑

↓ 5 INCH REPEAT PASS ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 17-MAY-2012 20:28
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123°

4300

124°

4350

125°

4400

126°

4450

Bit Size

Wyllie Lime. Sonic Por. →

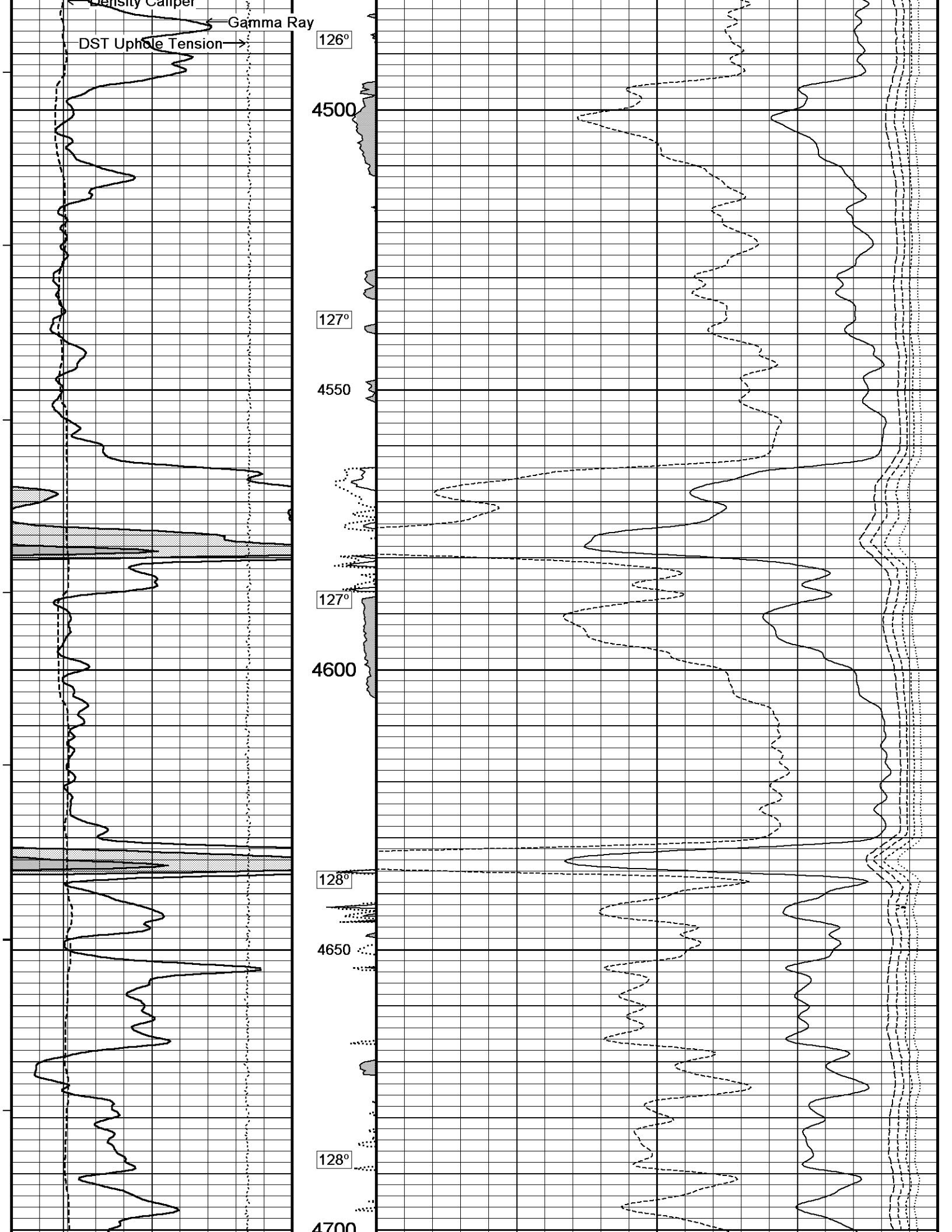
3-5' Compensated Sonic →

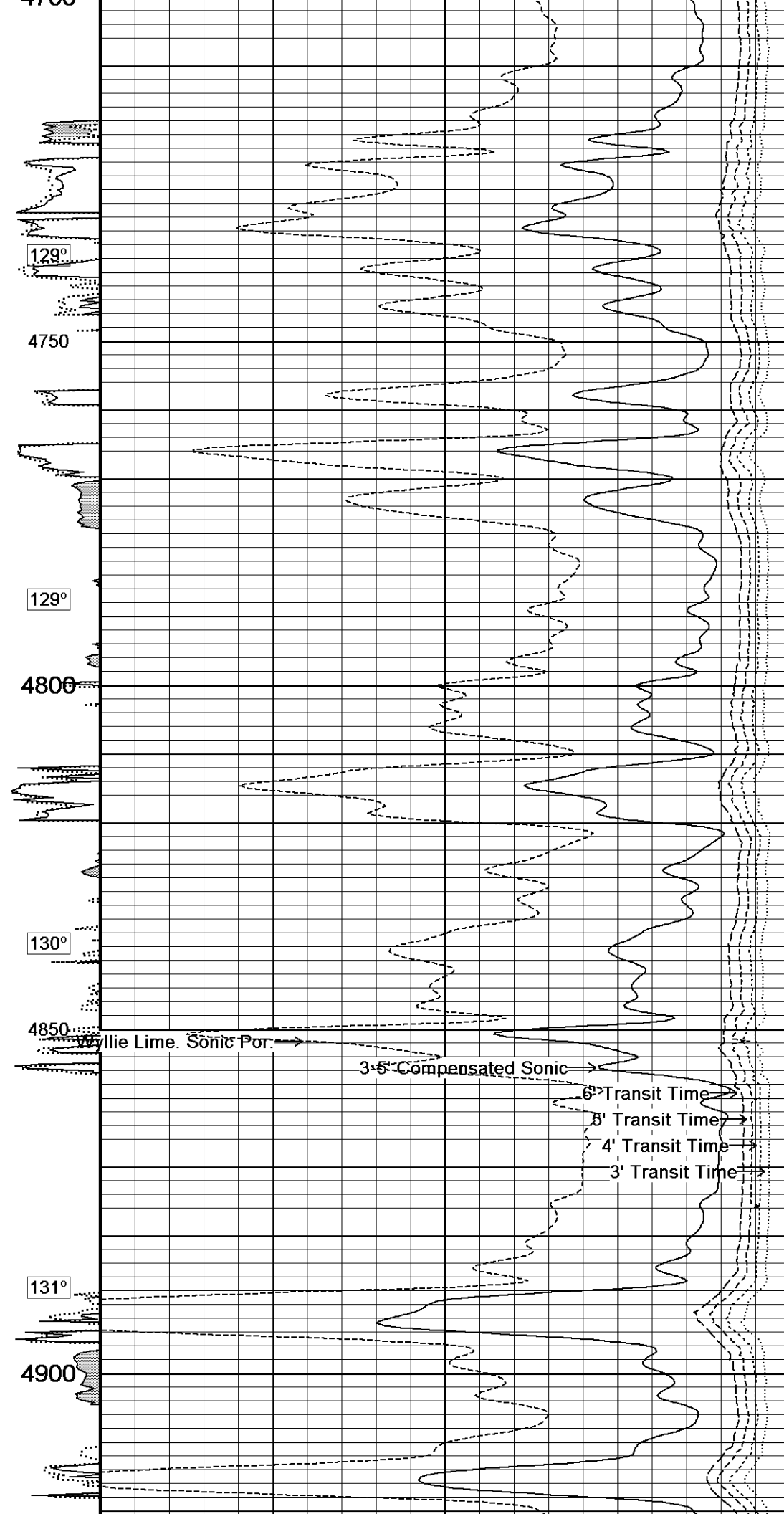
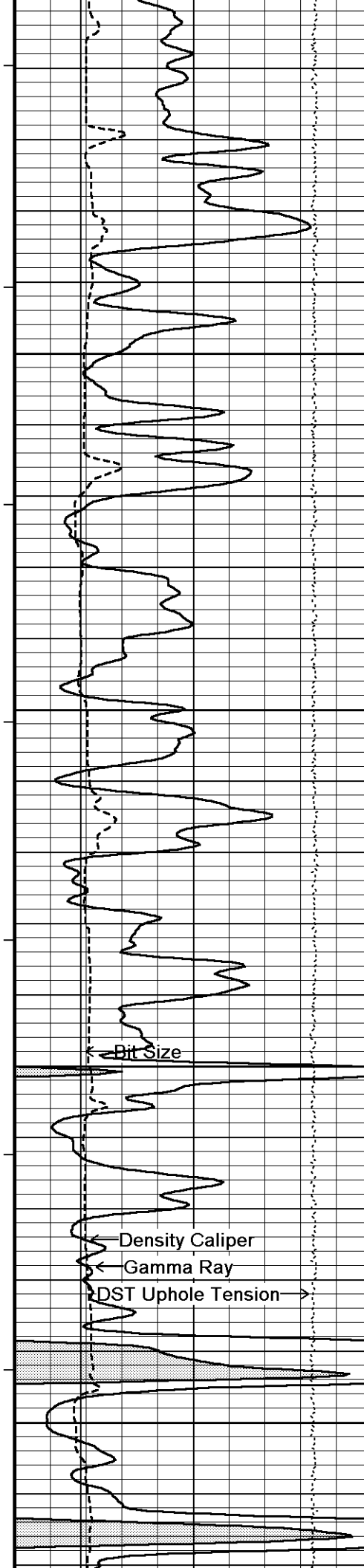
6' Transit Time →

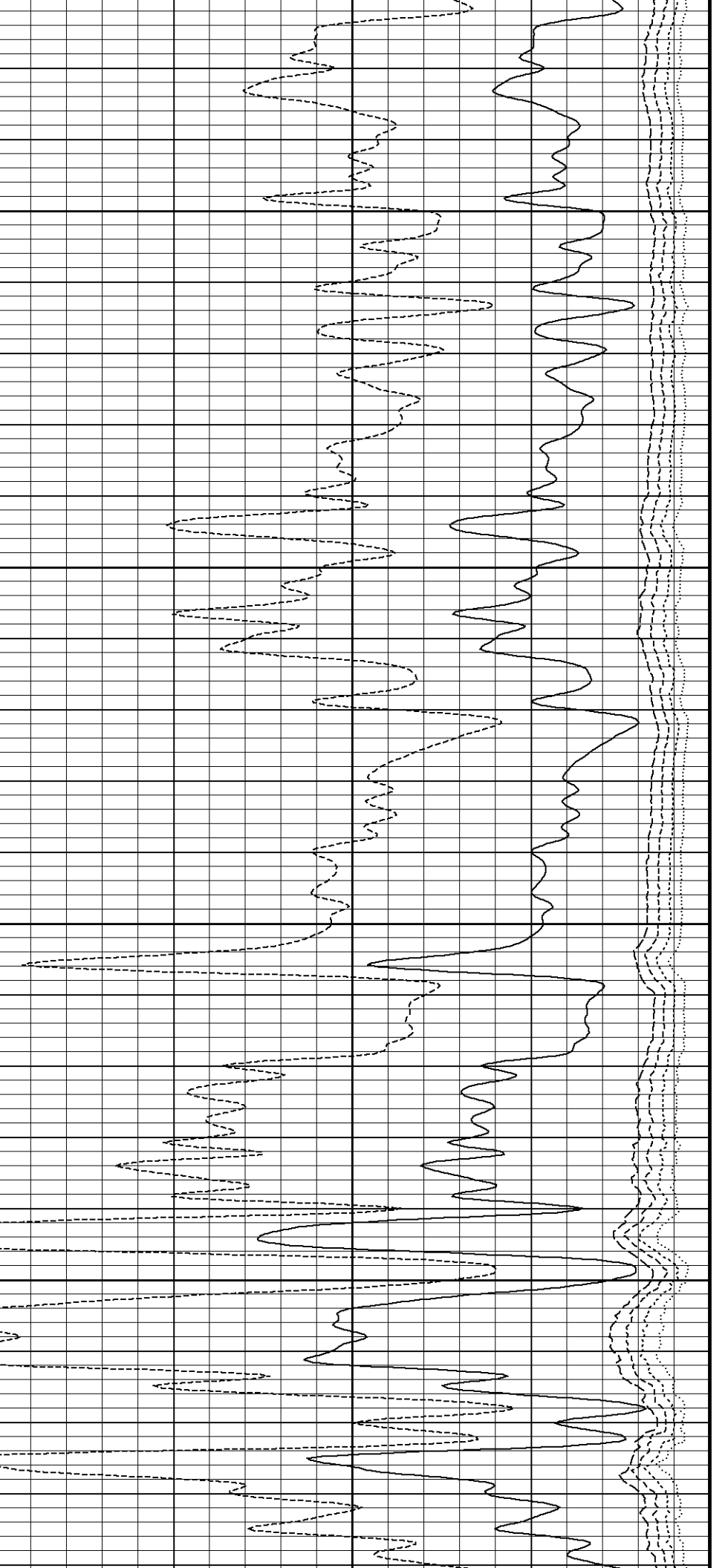
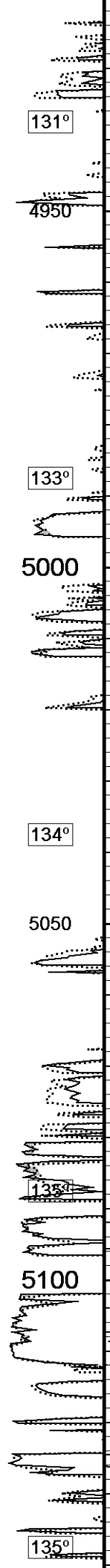
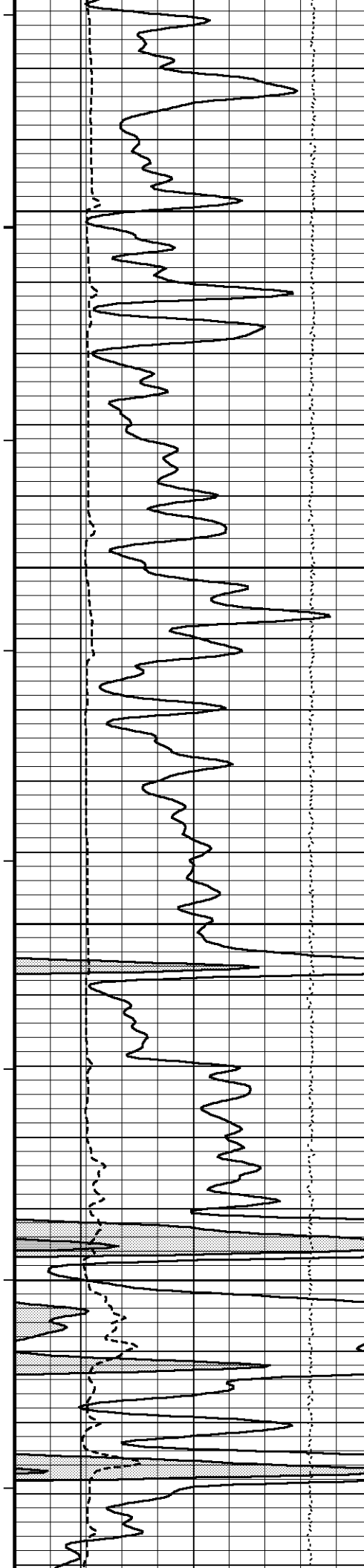
5' Transit Time →

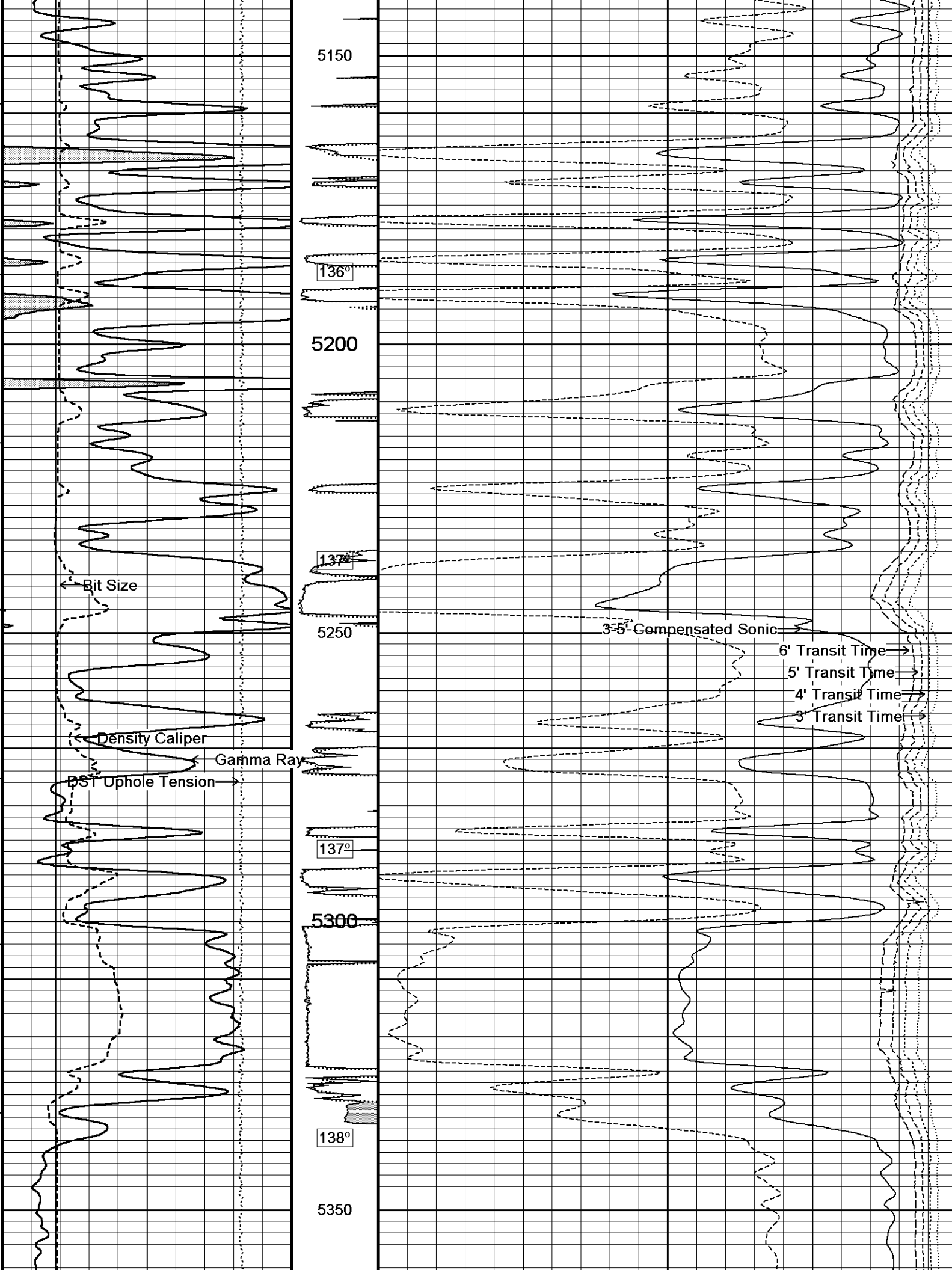
4' Transit Time →

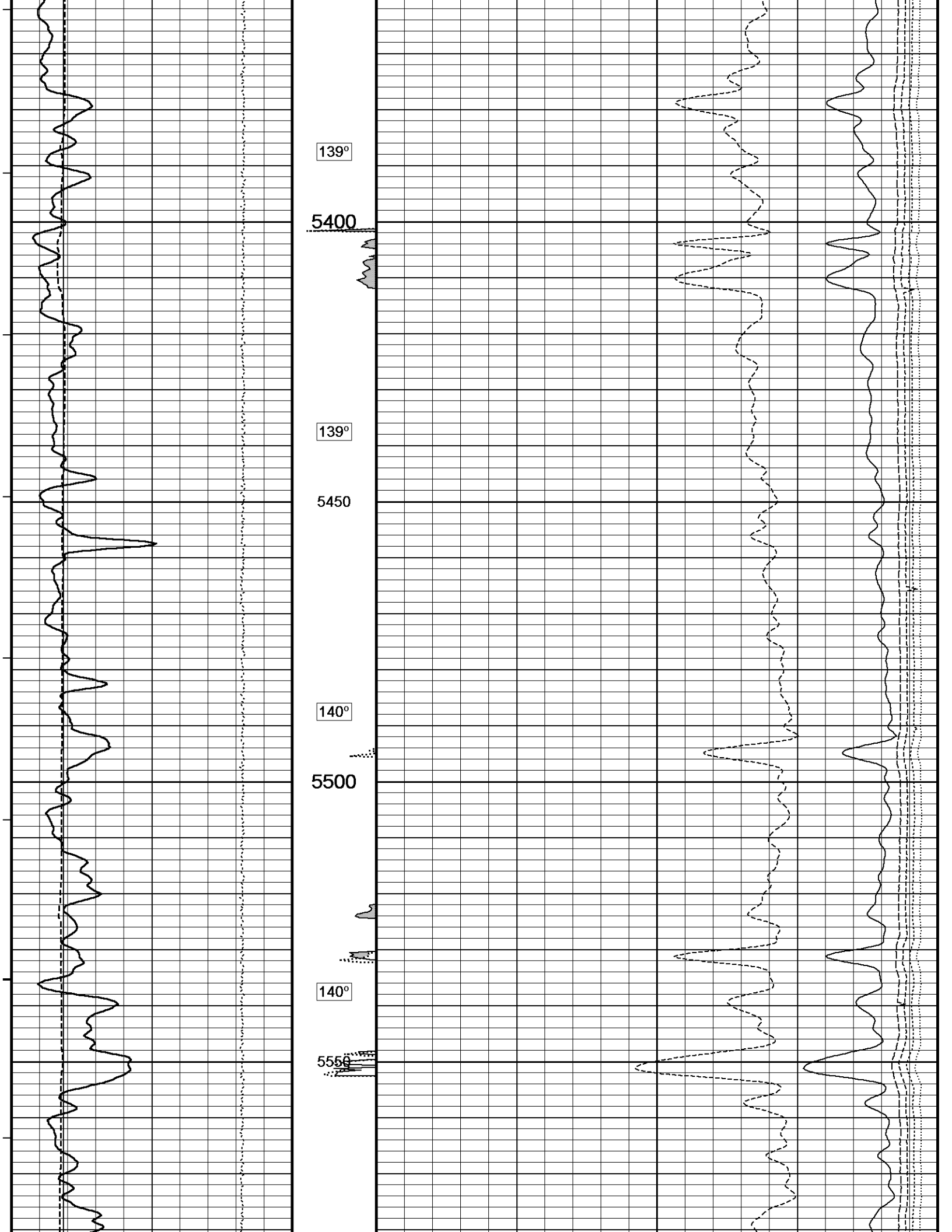
3' Transit Time →

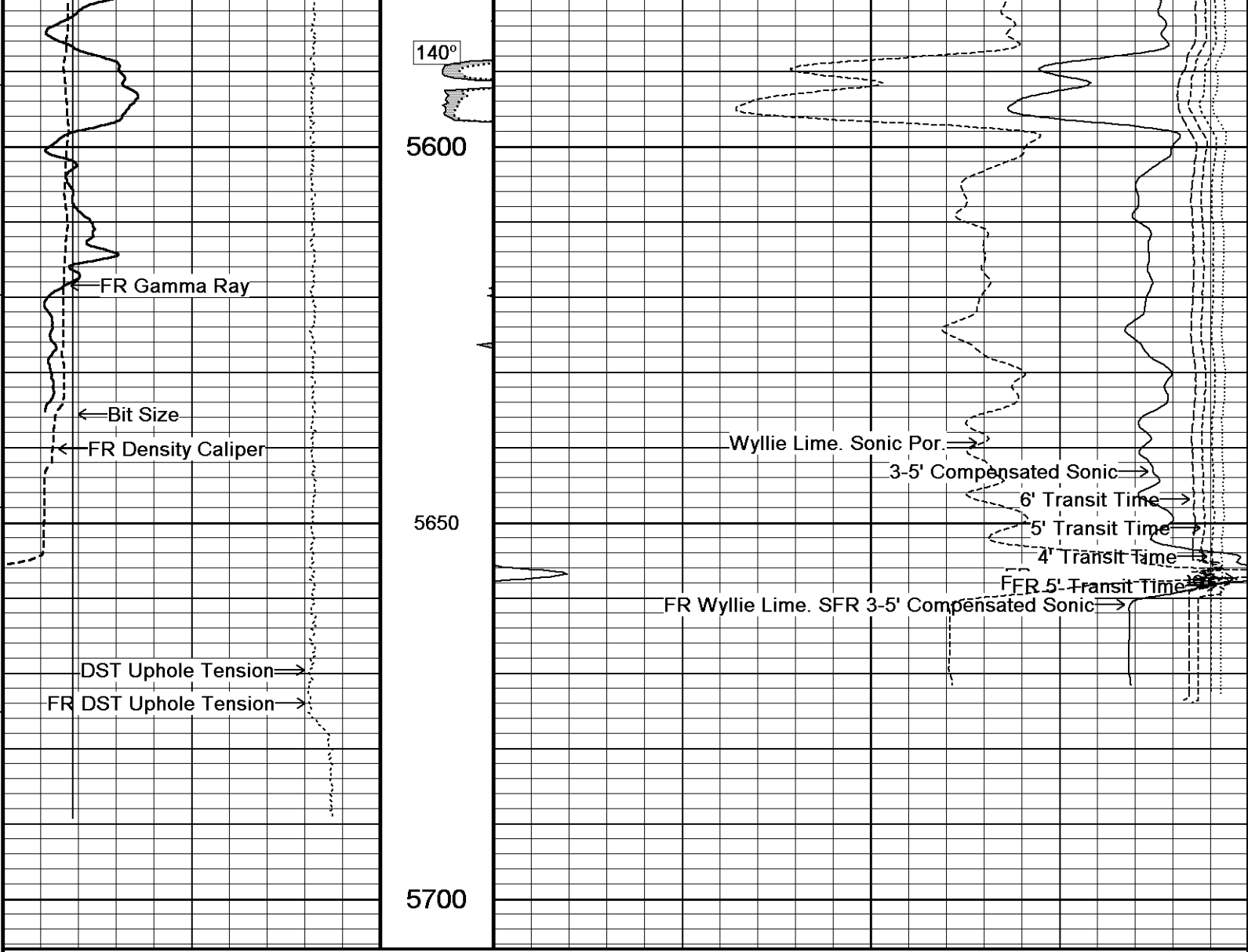












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↑ 5 INCH REPEAT PASS ↑