

DUAL INDUCTION
LL3/GR LOG

Company	LAYNE ENERGY OPERATING, LLC	Company	LAYNE ENERGY OPERATING, LLC
Well	FOWLER # 3-32	Well	FOWLER # 3-32
Field	CHEROKEE BASIN COAL	Field	CHEROKEE BASIN COAL
County	MONTGOMERY	County	MONTGOMERY
State	KANSAS	State	KANSAS
Location:	API # : 15-125-32130-0000	Other Services	CDL/N
Permanent Datum	GL	Elevation	844'
Log Measured From	GL	K.B. ---	
Drilling Measured From	GL	D.F. ---	
		G.L. 844'	
SEC 32	TWP 31S	RGE 14E	
E/2 NW NW NE			
330' FNL & 3115' FWL			
Date	9-8-2011		
Run Number	ONE		
Depth Driller	1513'		
Depth Logger	1513'		
Bottom Logged Interval	1511'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 21'		
Casing Logger	8.625" @ 21'		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmt @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmt / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW1		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER	SPENCER TYLER	
Witnessed By	MR. TAYLOR		

<<< Fold Here >>>

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 interpretation, and we shall not, except in the case of gross or willful 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 set out in our current Price Schedule.

Comments

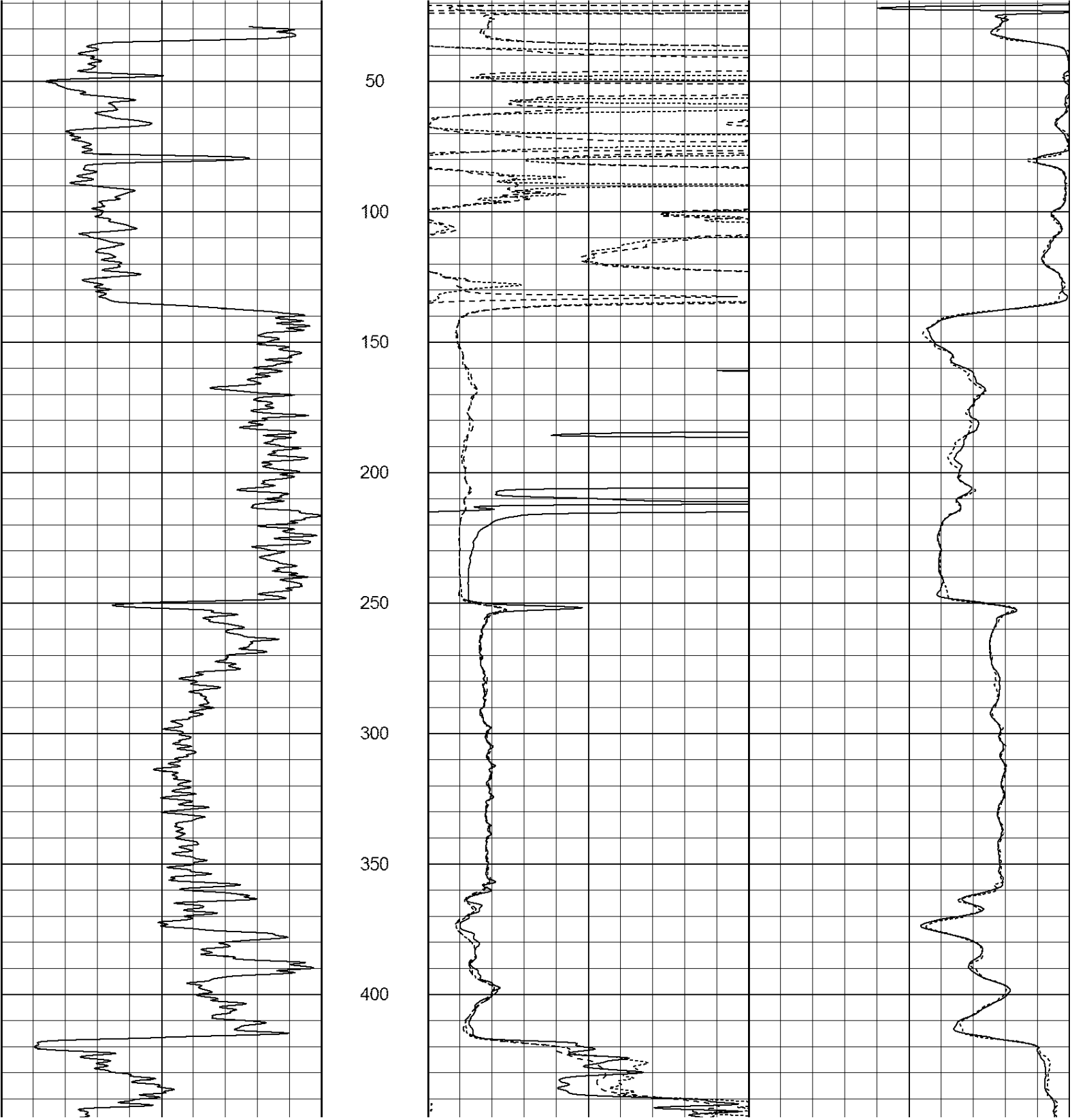
OW1-7847

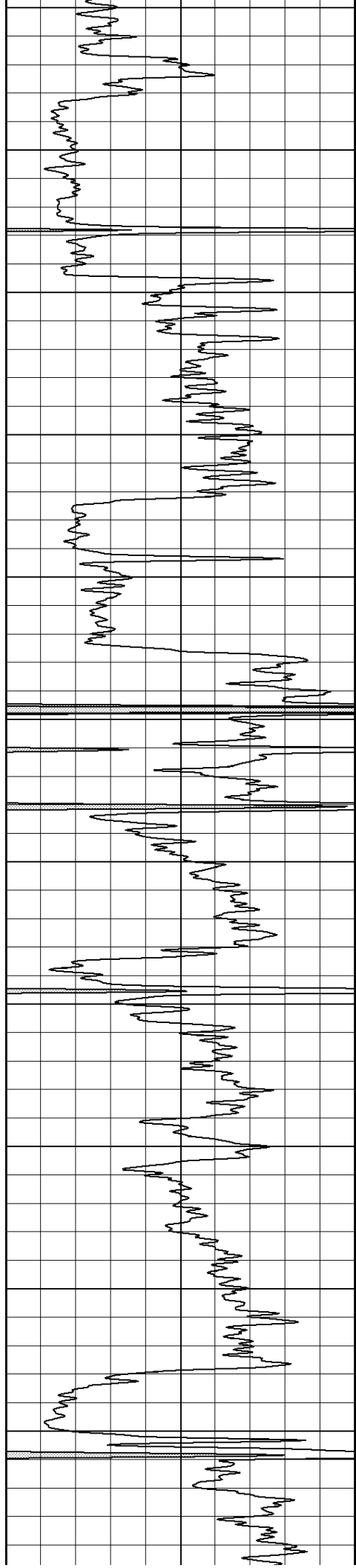


2" DIL SECTION

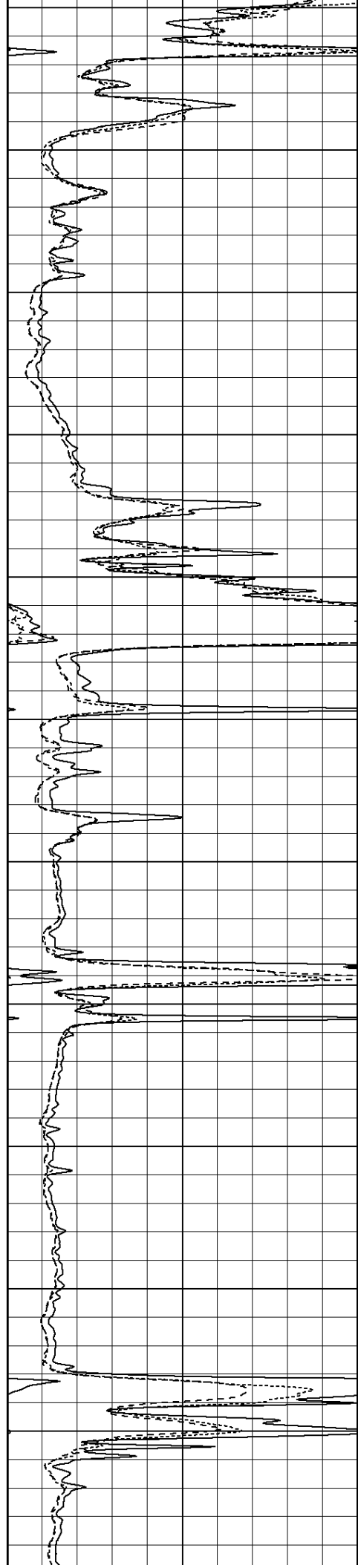
Database File: ow1-7847 layne energy.db
Dataset Pathname: DIL/pass2.1
Presentation Format: dil2airn
Dataset Creation: Thu Sep 08 14:32:36 2011 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:600

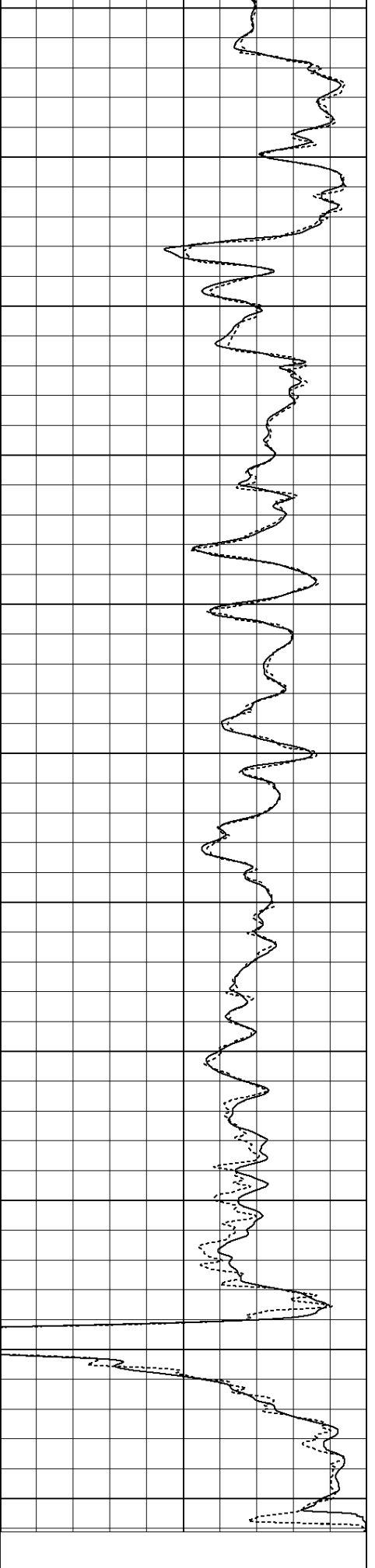
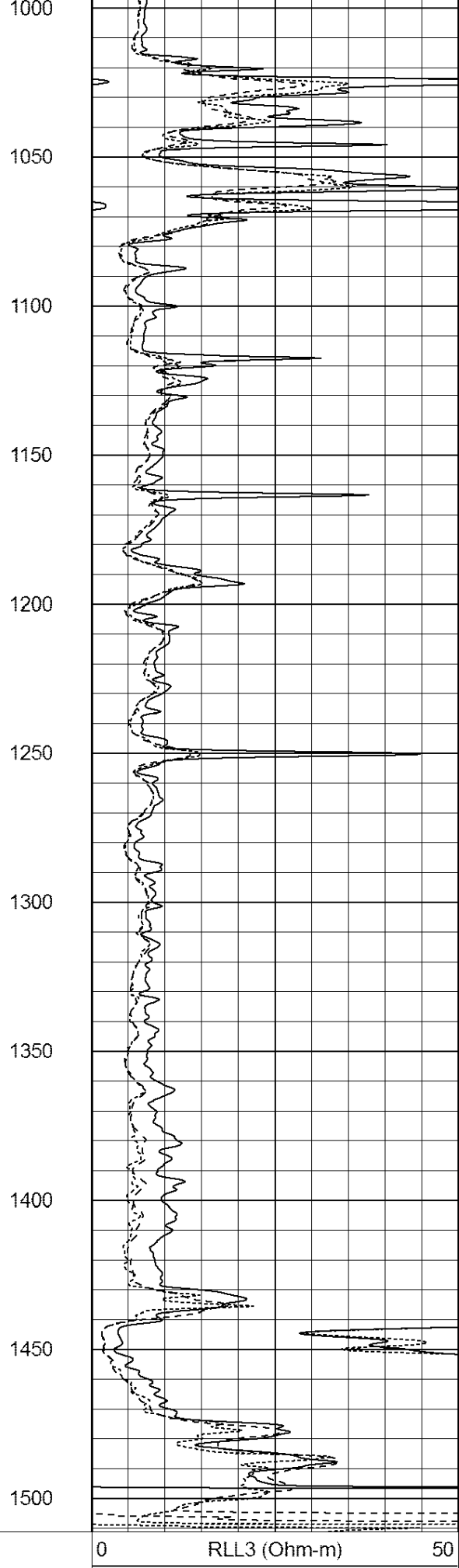
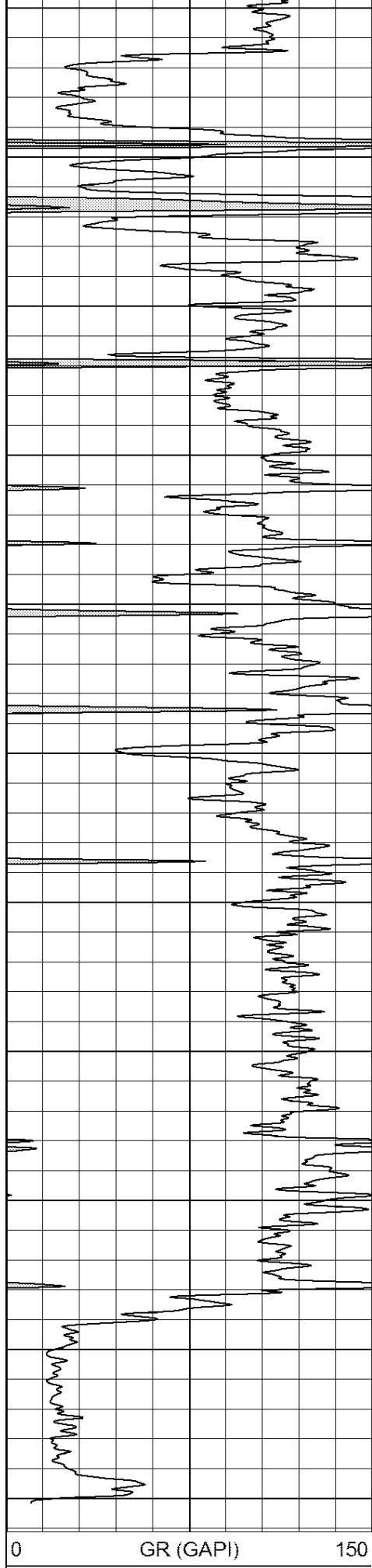
0	GR (GAPI)	150	0	RLL3 (Ohm-m)	50
			0	RILM (Ohm-m)	50
			0	RILD (Ohm-m)	50
			1000	CILD (mmho/m)	0
			1000	CILM (mmho/m)	0





450
500
550
600
650
700
750
800
850
900
950





0 GR (GAPI) 150

0 RLL3 (Ohm-m) 50

0 RILM (Ohm-m) 50

0 RILD (Ohm-m) 50

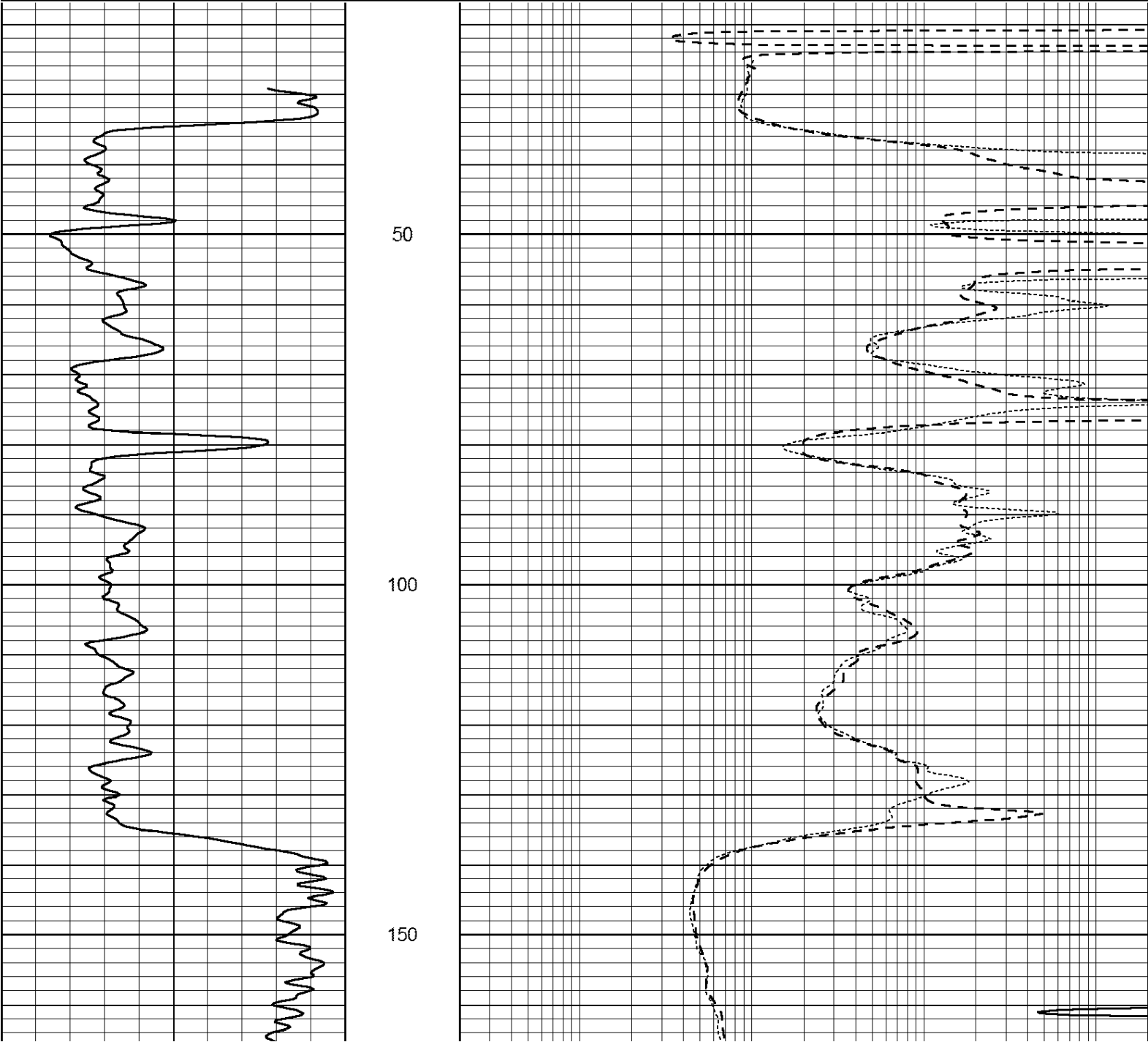
1000	CILD (mmho/m)	0
1000	CILM (mmho/m)	0

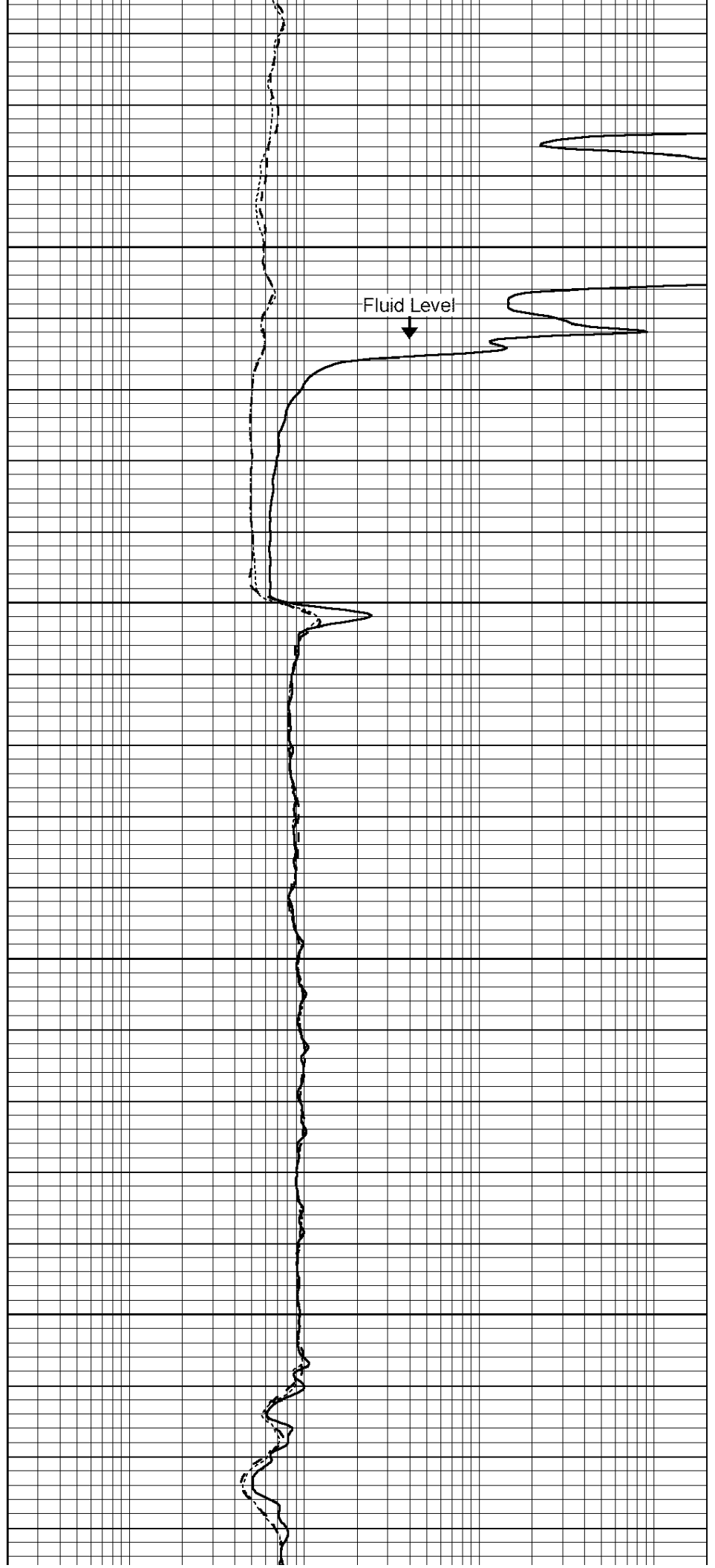
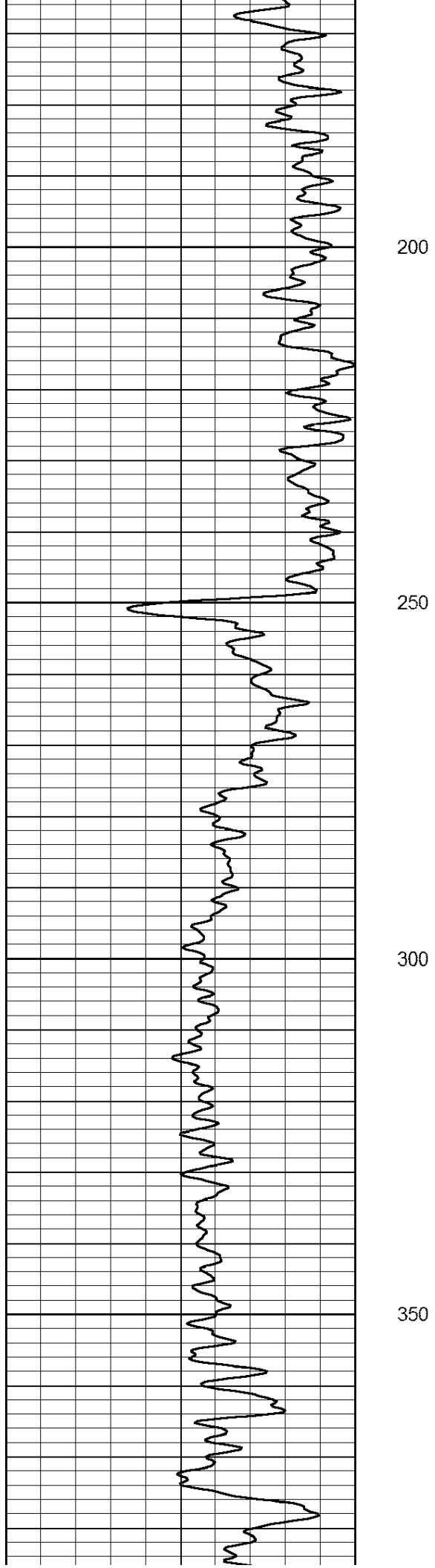


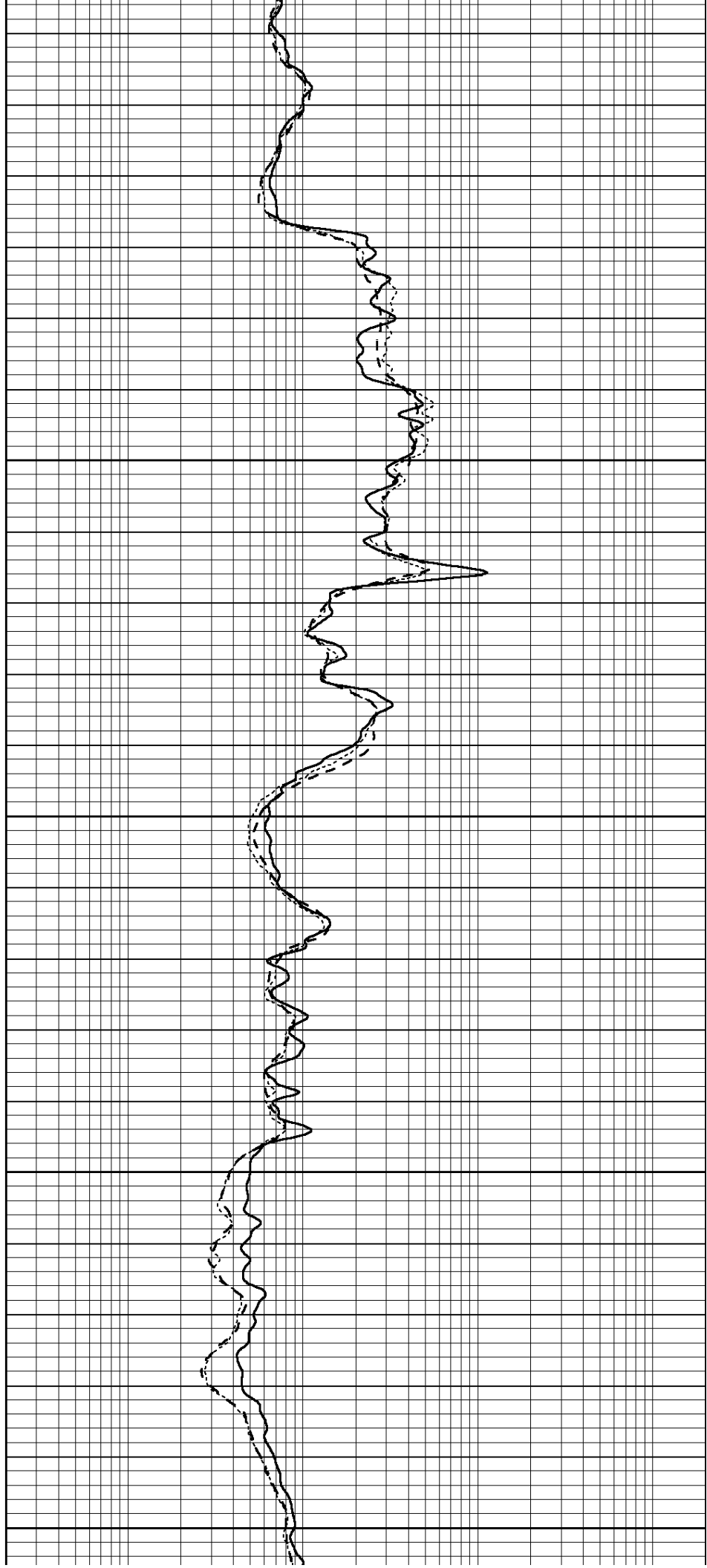
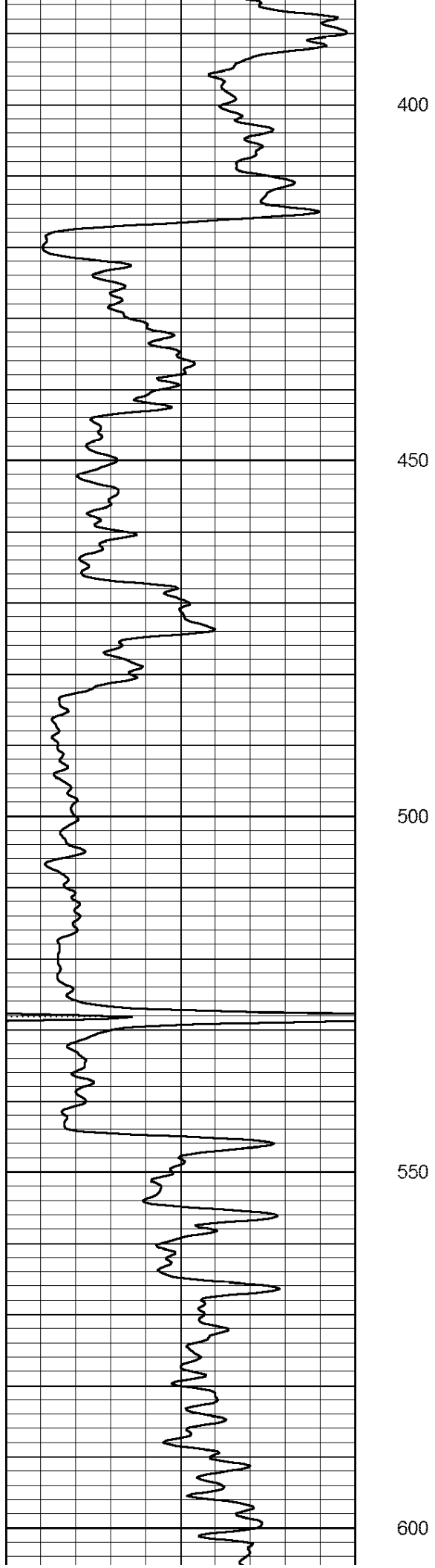
5" DIL SECTION

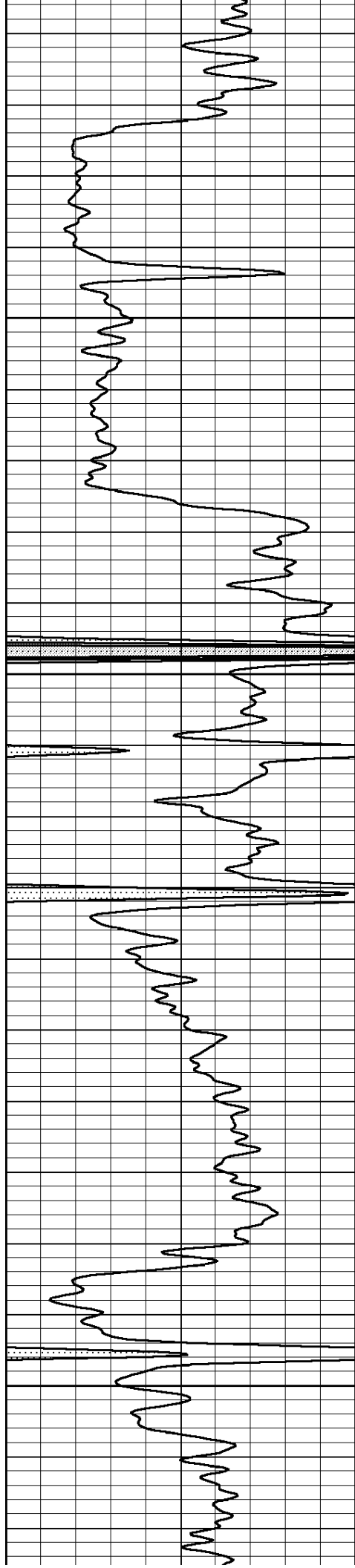
Database File: ow1-7847 layne energy.db
 Dataset Pathname: DIL/pass2.2
 Presentation Format: dil5air
 Dataset Creation: Thu Sep 08 14:32:49 2011 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
			0.2	RILD (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000







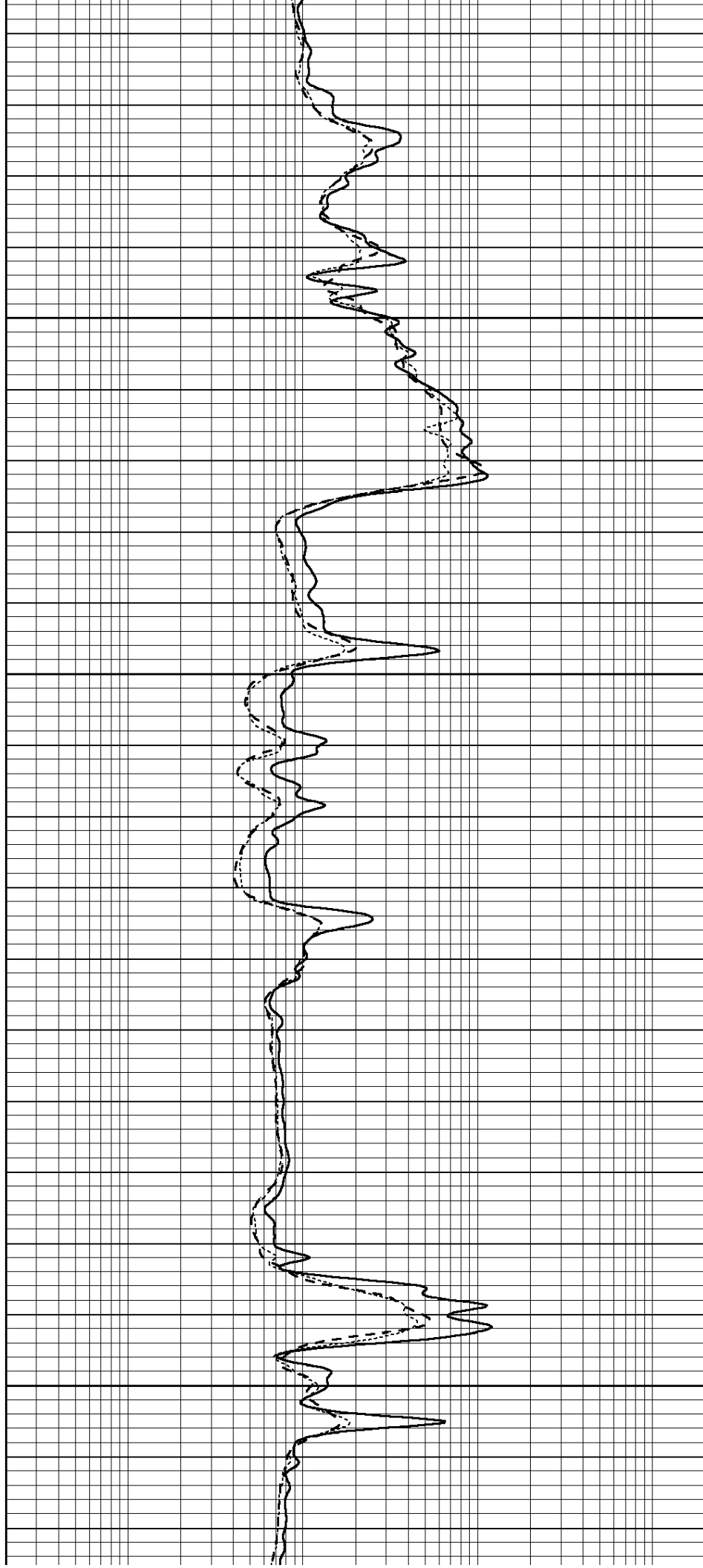


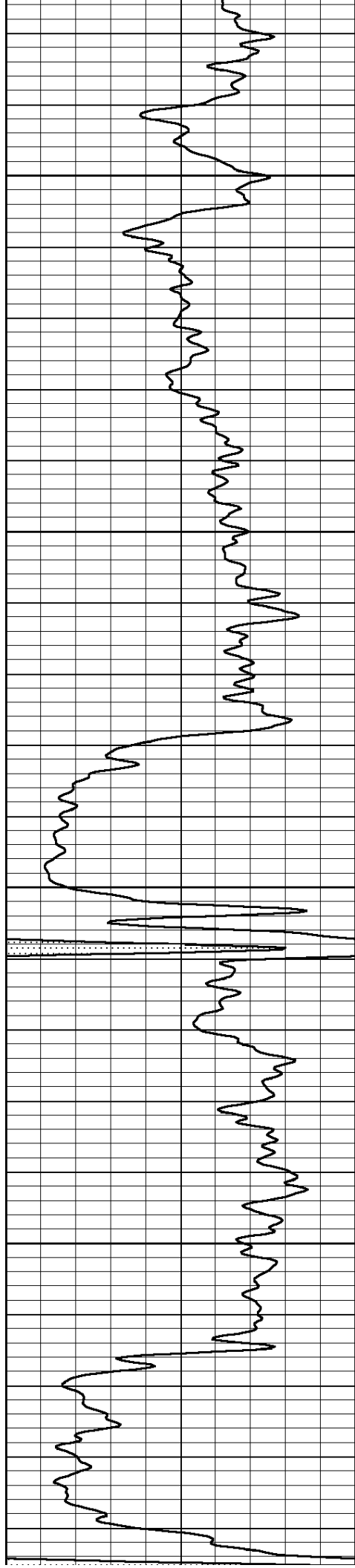
650

700

750

800



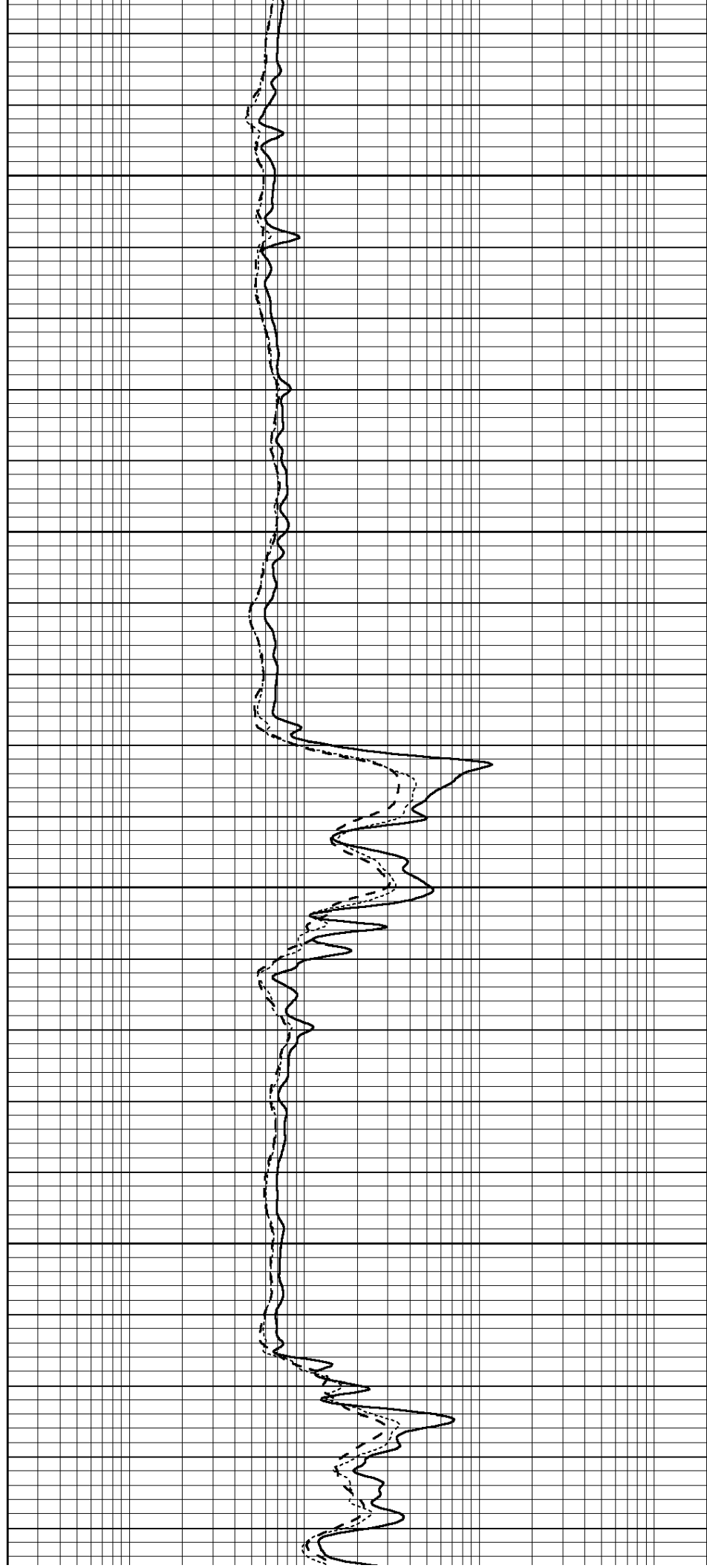


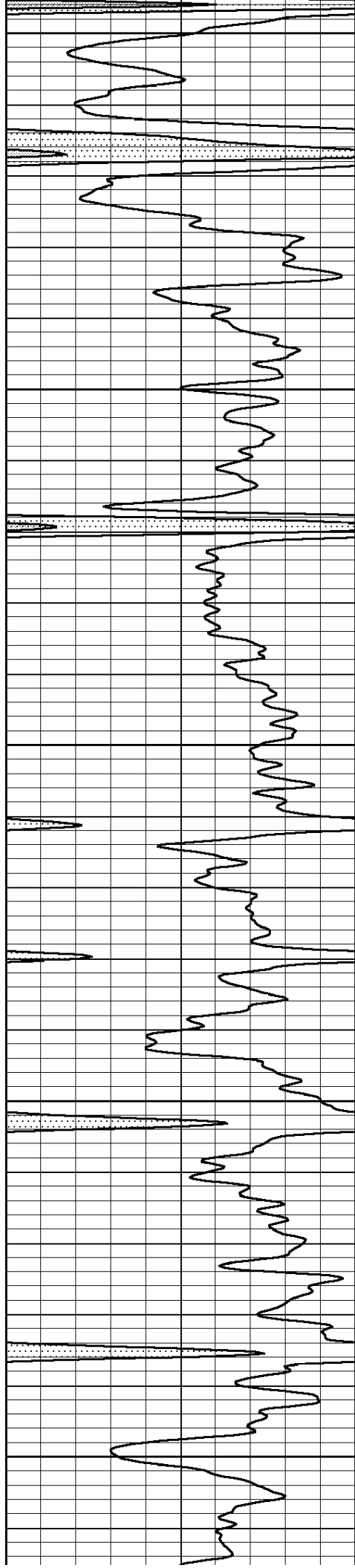
850

900

950

1000





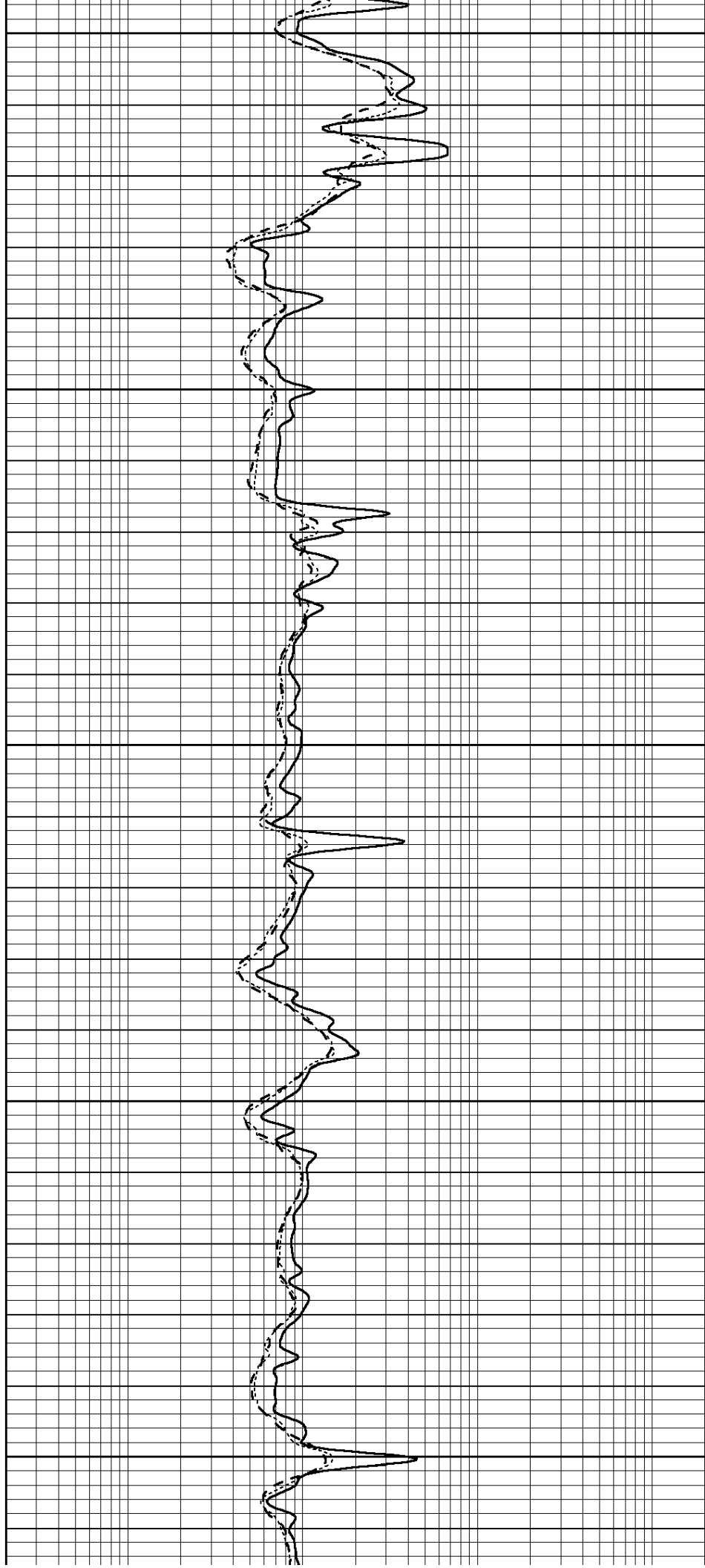
1050

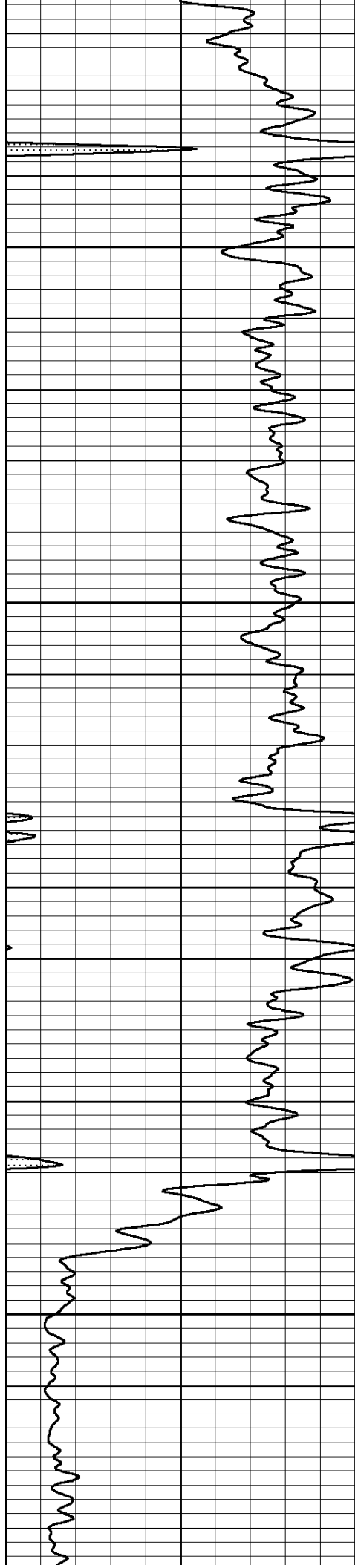
1100

1150

1200

1250





1300

1350

1400

1450

