

DUAL INDUCTION LL3/GR LOG

Company	LAYNE ENERGY OPERATING, LLC		
Well	METZGER # 16C-34		
Field			
County	WILSON	State	KANSAS
Location:	AP1 # : 15-205-27926-0000		Other Services
Well	METZGER # 16C-34		CDL/SWN
Field			
County	WILSON	State	KANSAS
Permanent Datum	GL	Elevation	910'
Log Measured From	GL		
Drilling Measured From	GL		
SEC 34 TWP 30S RGE 14E			
NE NW SE SE 1305' FSL & 825' FEL			
Date	4-6-2011		
Run Number	ONE		
Depth Driller	1262'		
Depth Logger	1263'		
Bottom Logged Interval	1261'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 41'		
Casing Logger	8.625" @ 41'		
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

OW1-7762



2" DIL SECTION

Database File: ow1-7762 layne energy.db
Dataset Pathname: DIL/pass3.1
Presentation Format: dil2airn
Dataset Creation: Wed Apr 06 18:02:20 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

0 GR (GAPI) 150

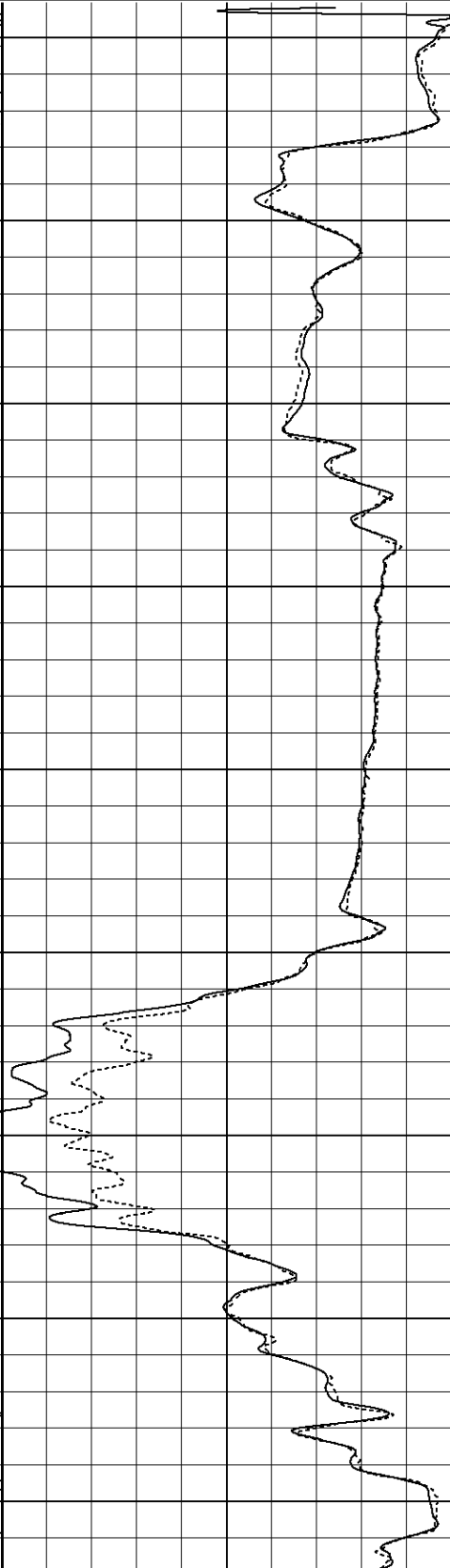
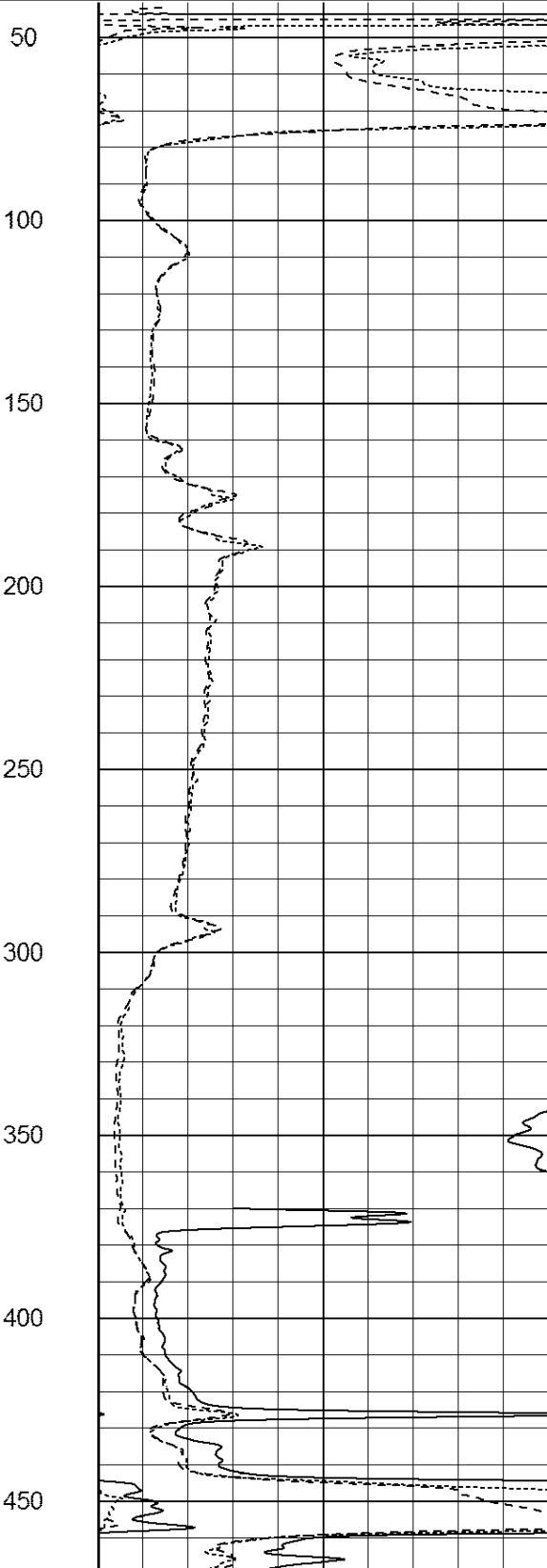
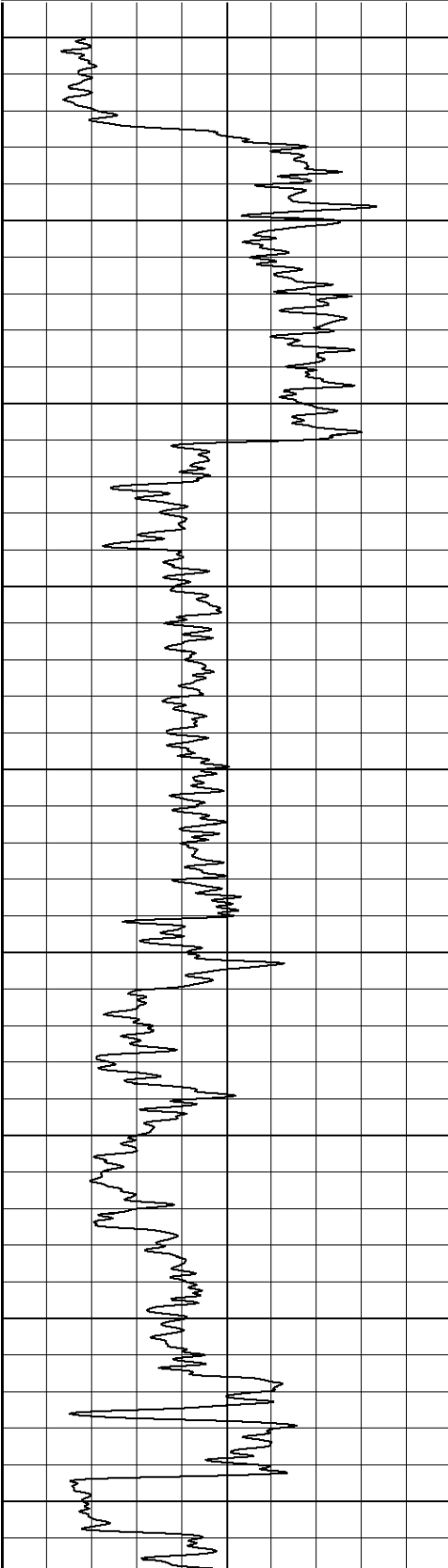
0 RLL3 (Ohm-m) 50

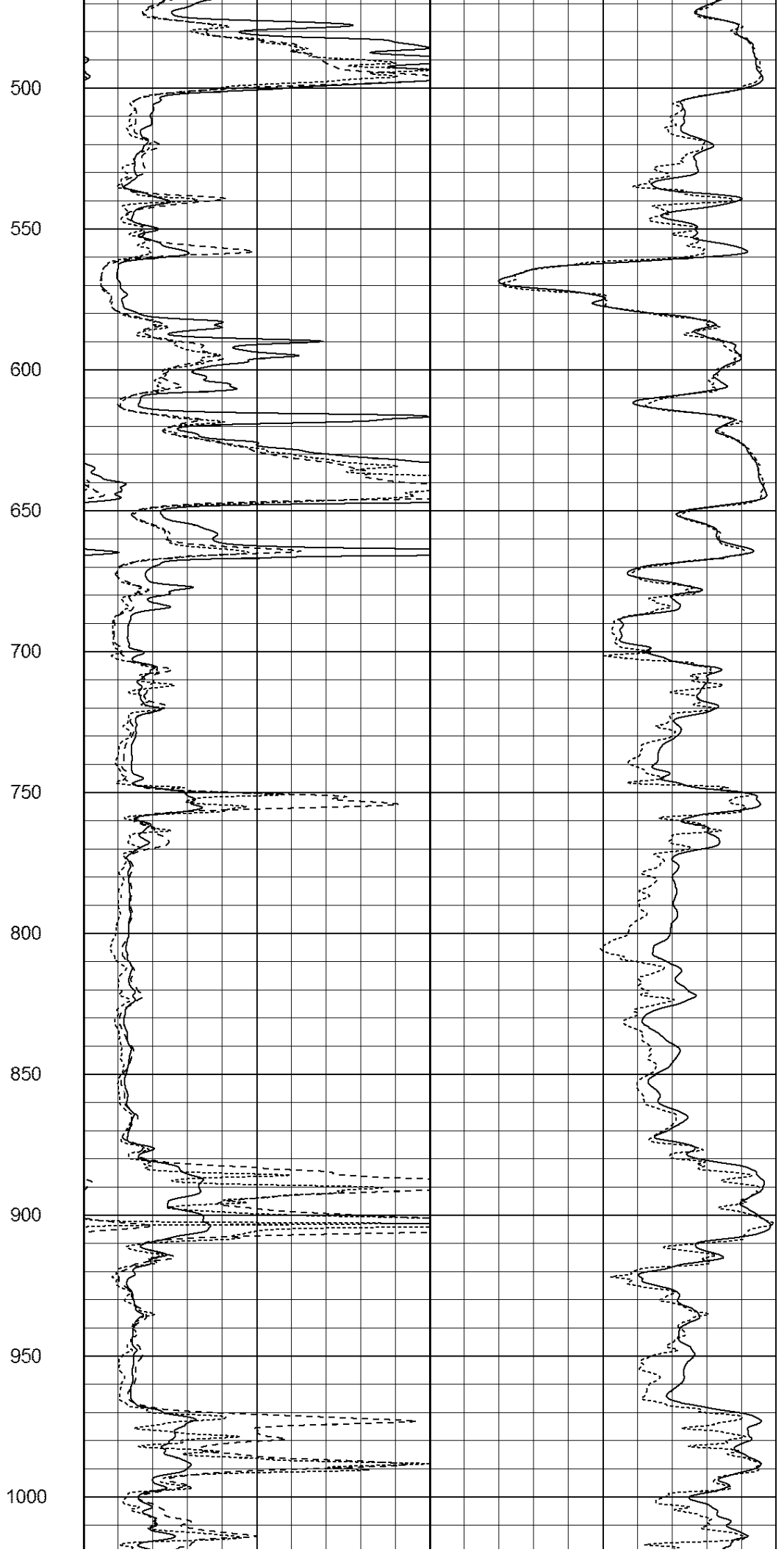
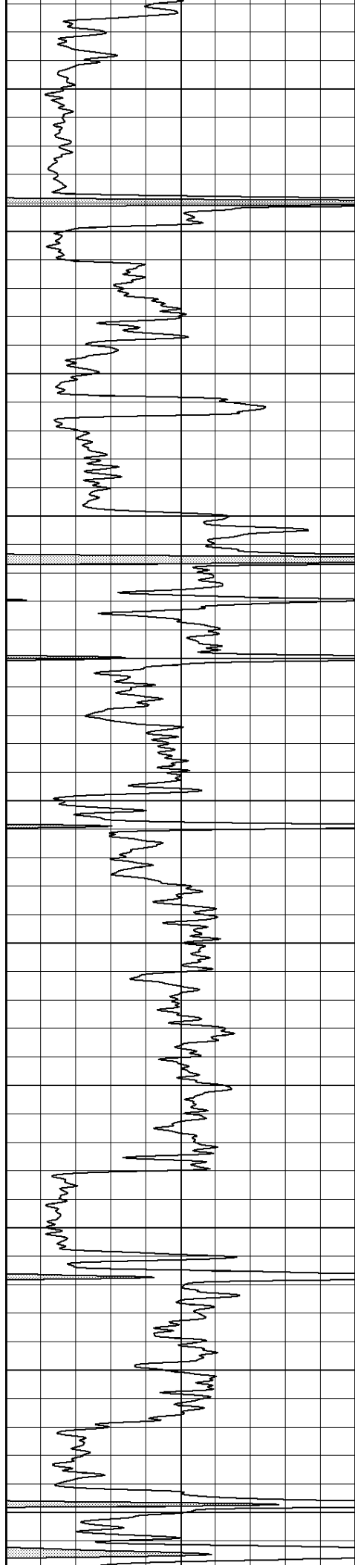
0 RILM (Ohm-m) 50

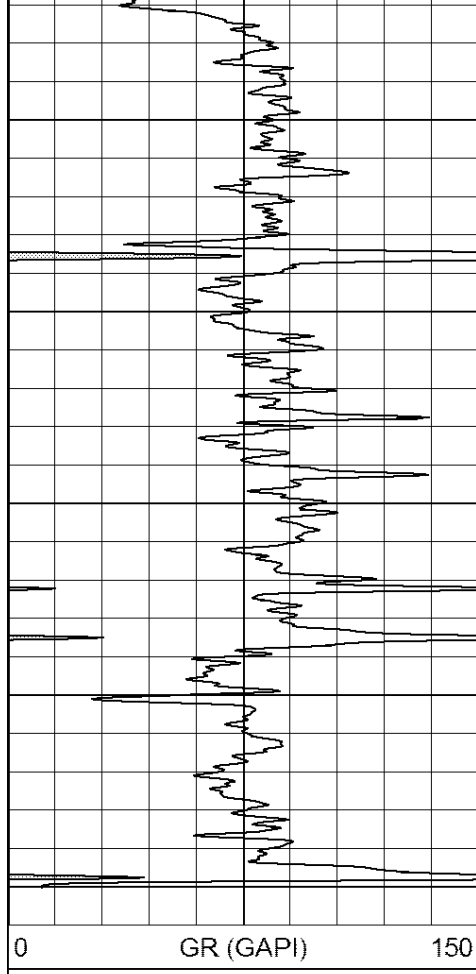
0 RILD (Ohm-m) 50

1000 CILD (mmho/m) 0

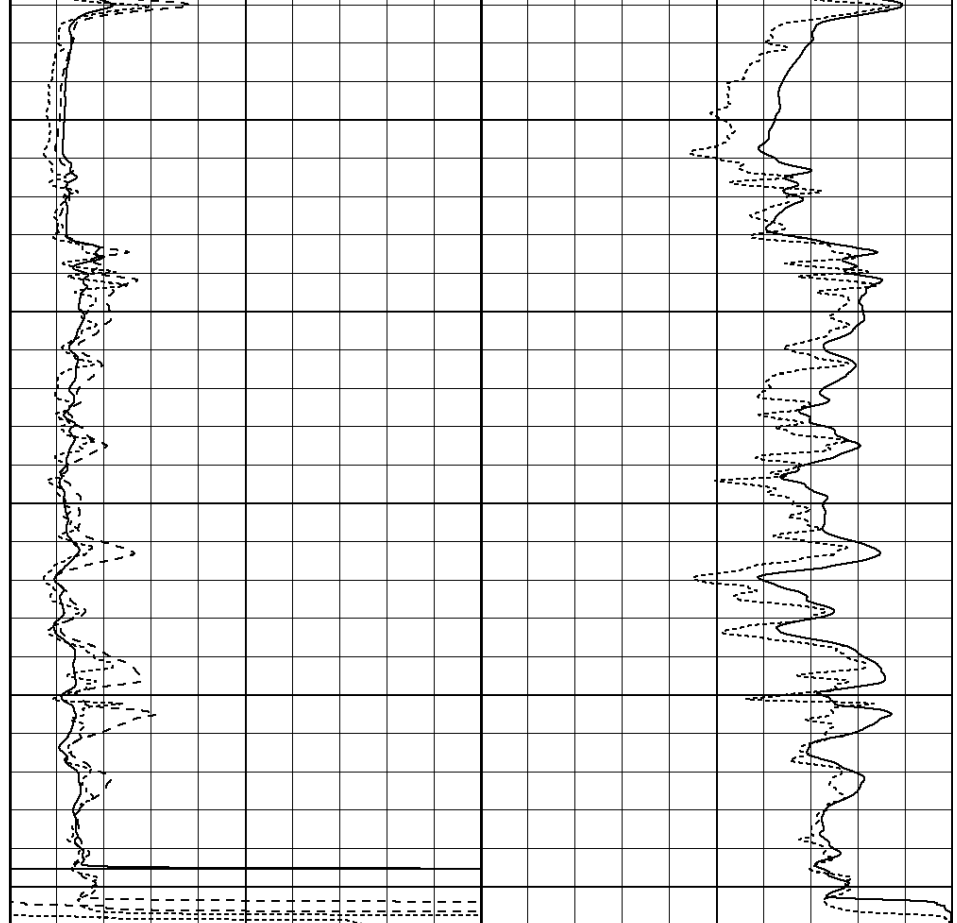
1000 CILM (mmho/m) 0







1050
1100
1150
1200
1250



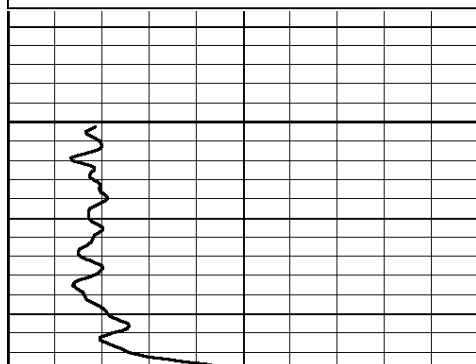
0	RLL3 (Ohm-m)	50
0	RILM (Ohm-m)	50
0	RILD (Ohm-m)	50
1000	CILD (mmho/m)	0
1000	CILM (mmho/m)	0



5" DIL SECTION

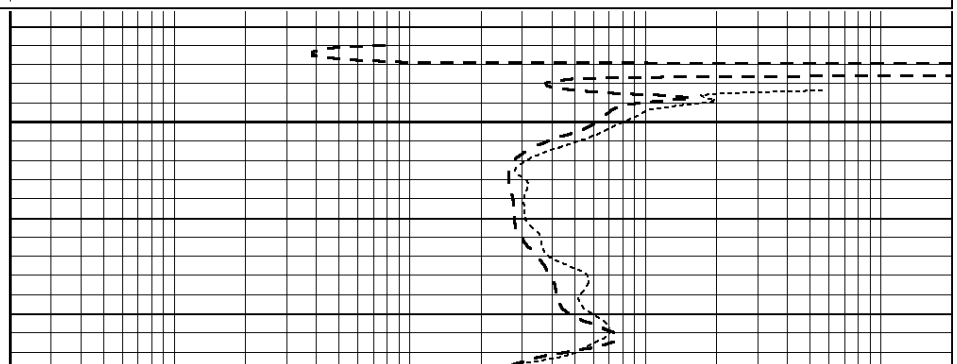
Database File: ow1-7762 layne energy.db
 Dataset Pathname: DIL/pass3.2
 Presentation Format: dil5air
 Dataset Creation: Wed Apr 06 18:02:52 2011 by Calc Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240

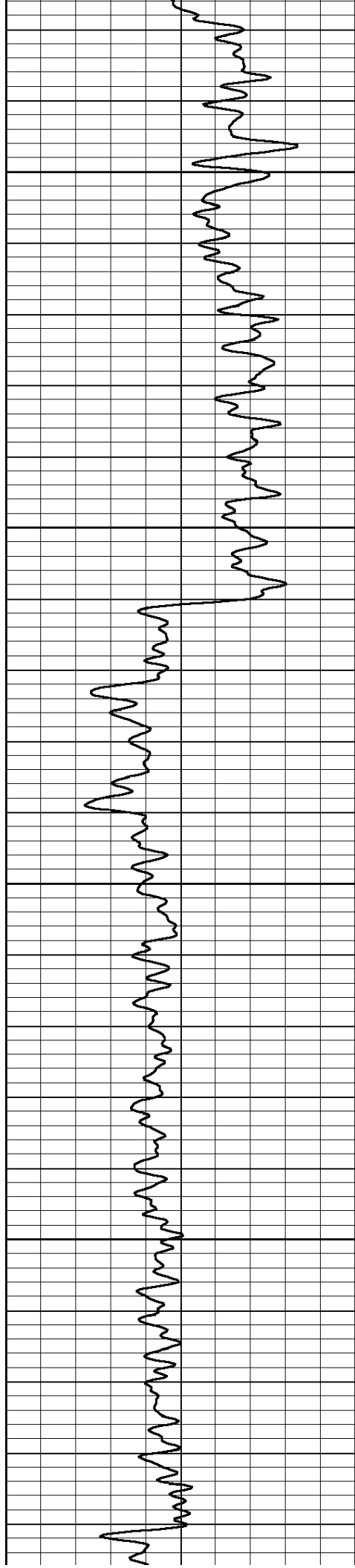
0 GR (GAPI) 150



50

0.2	RLL3 (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



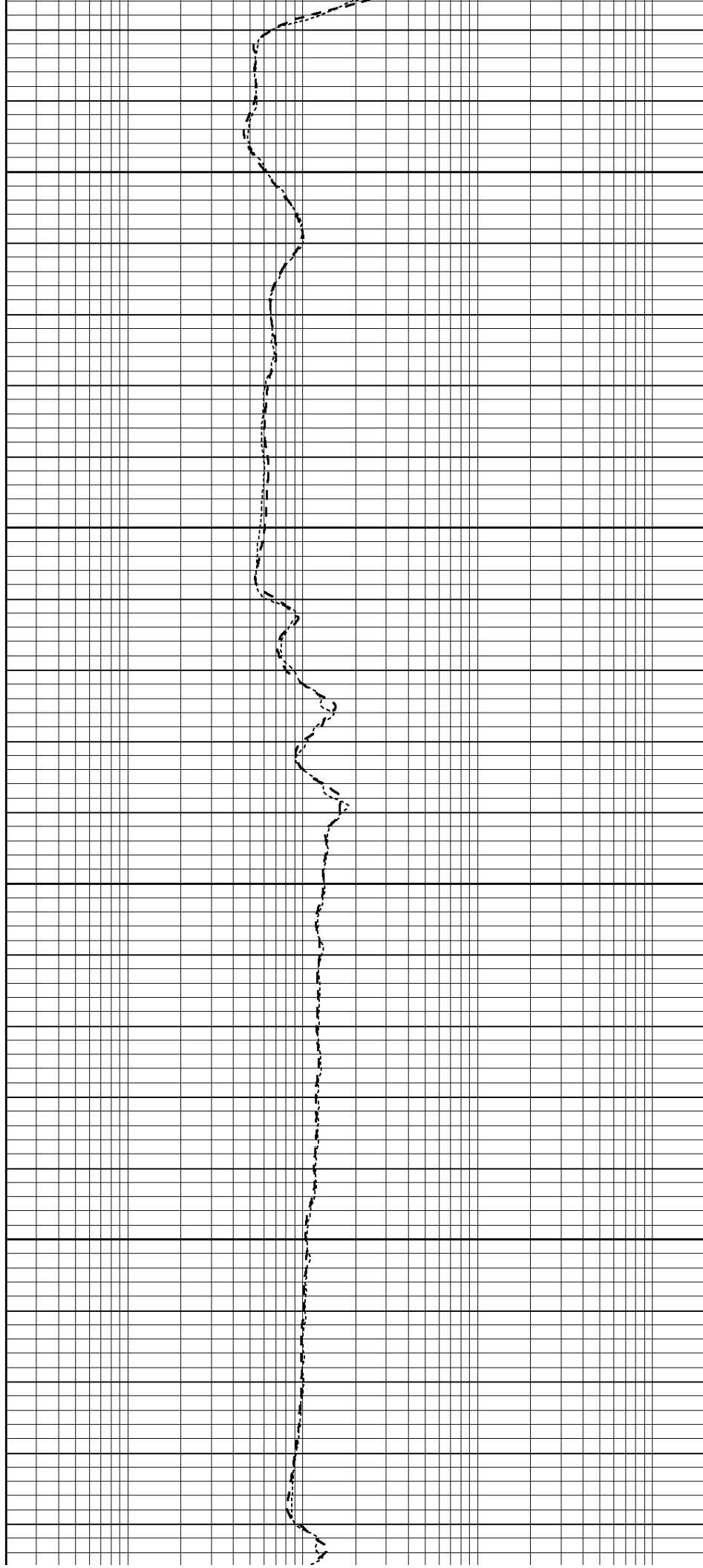


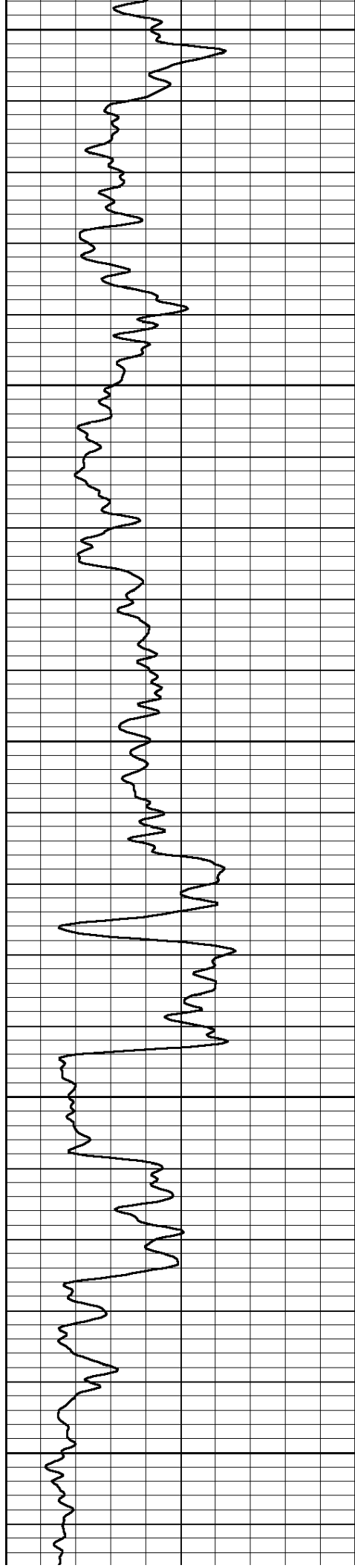
100

150

200

250





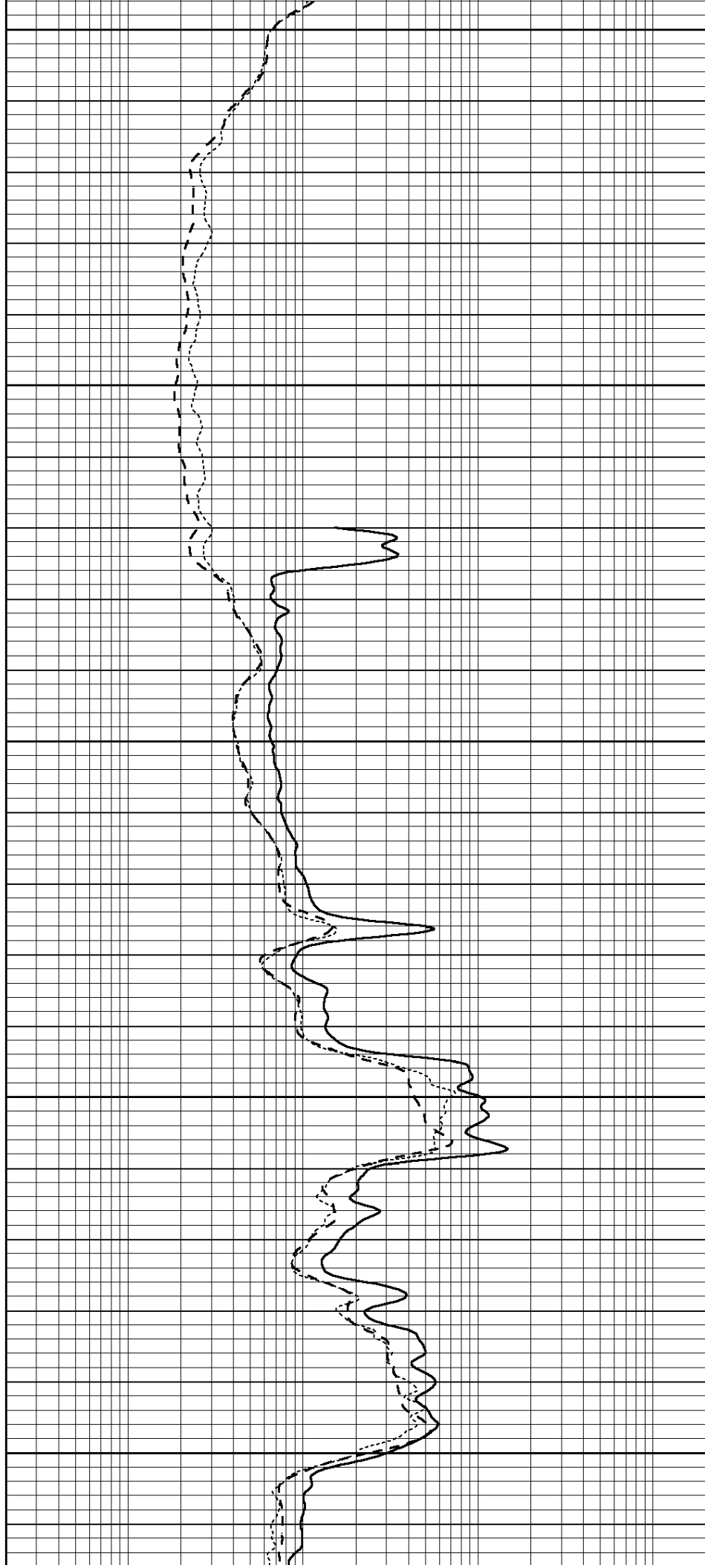
300

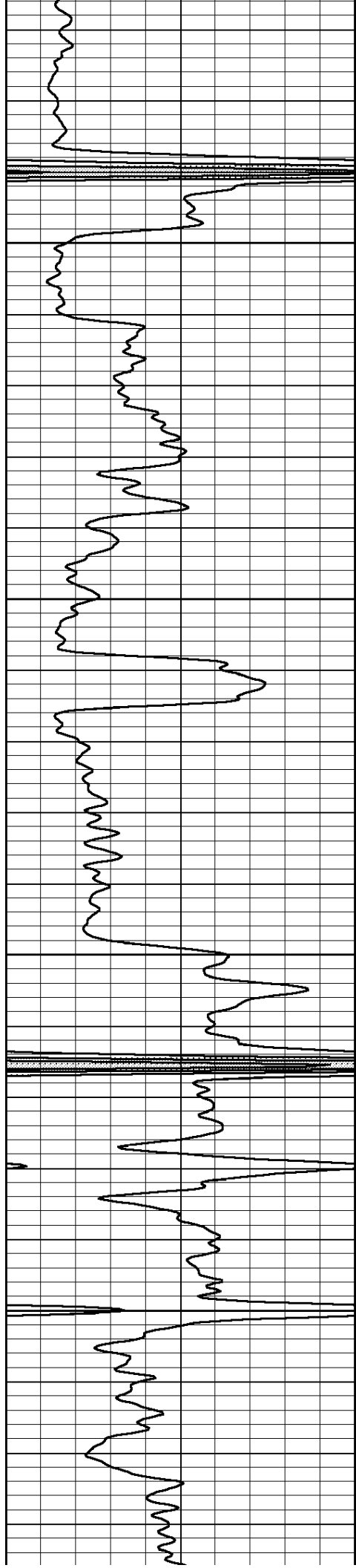
350

400

450

500



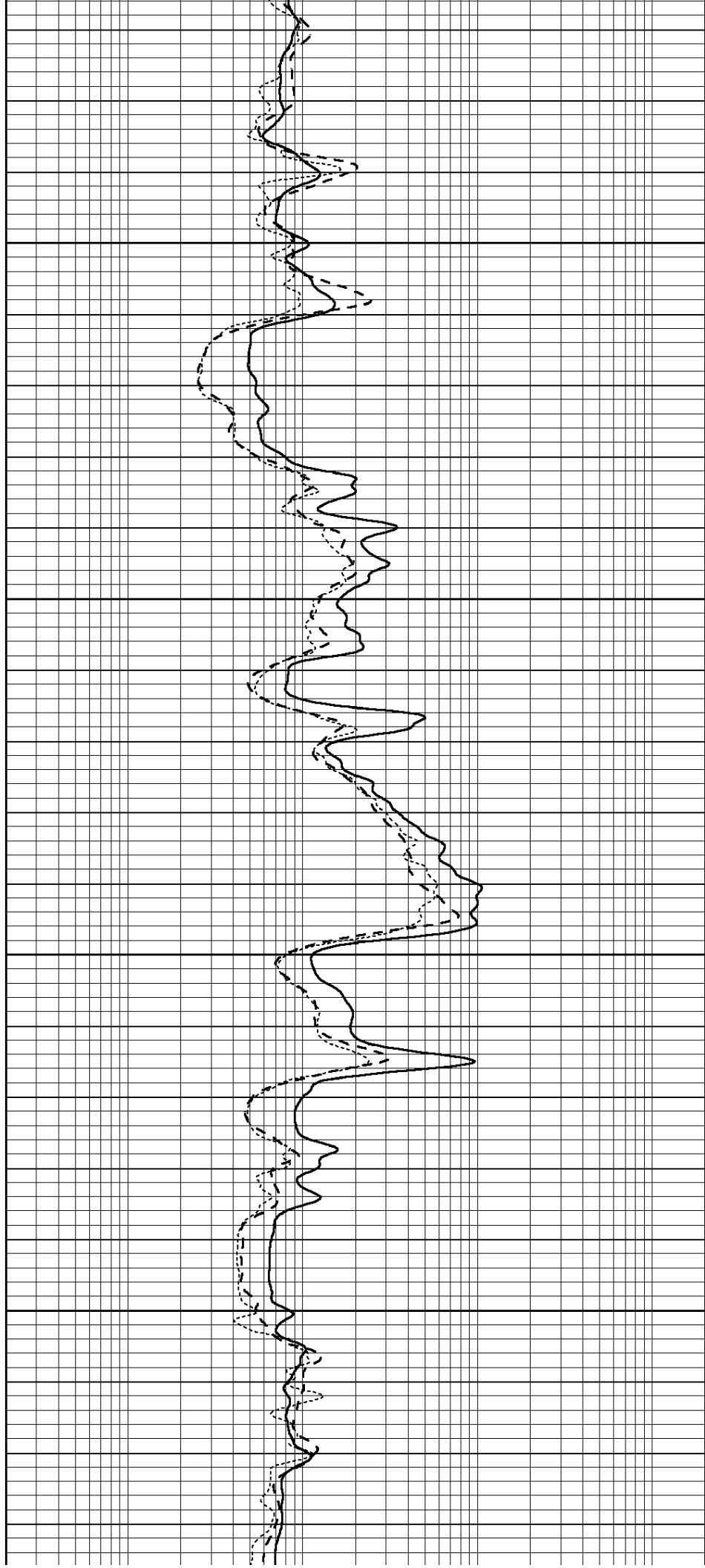


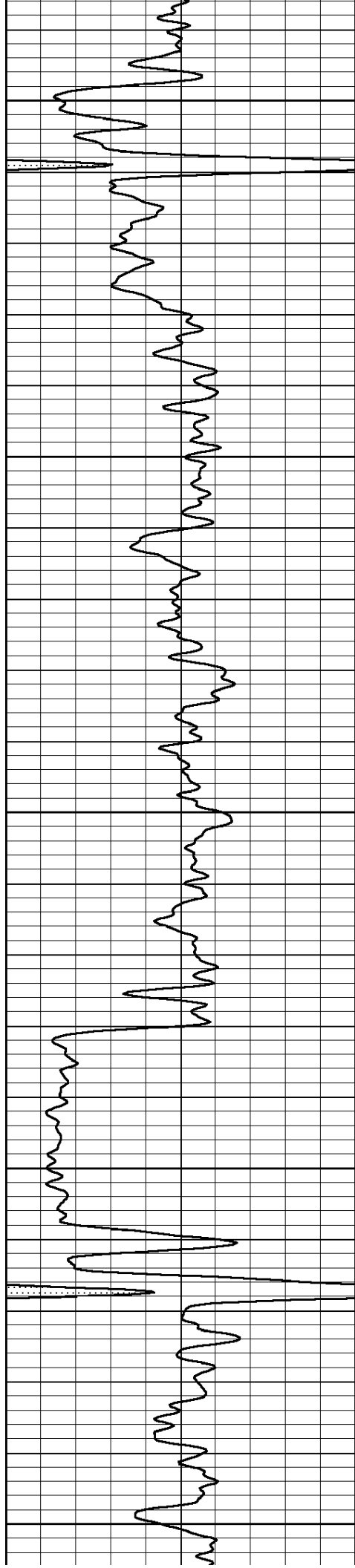
550

600

650

700





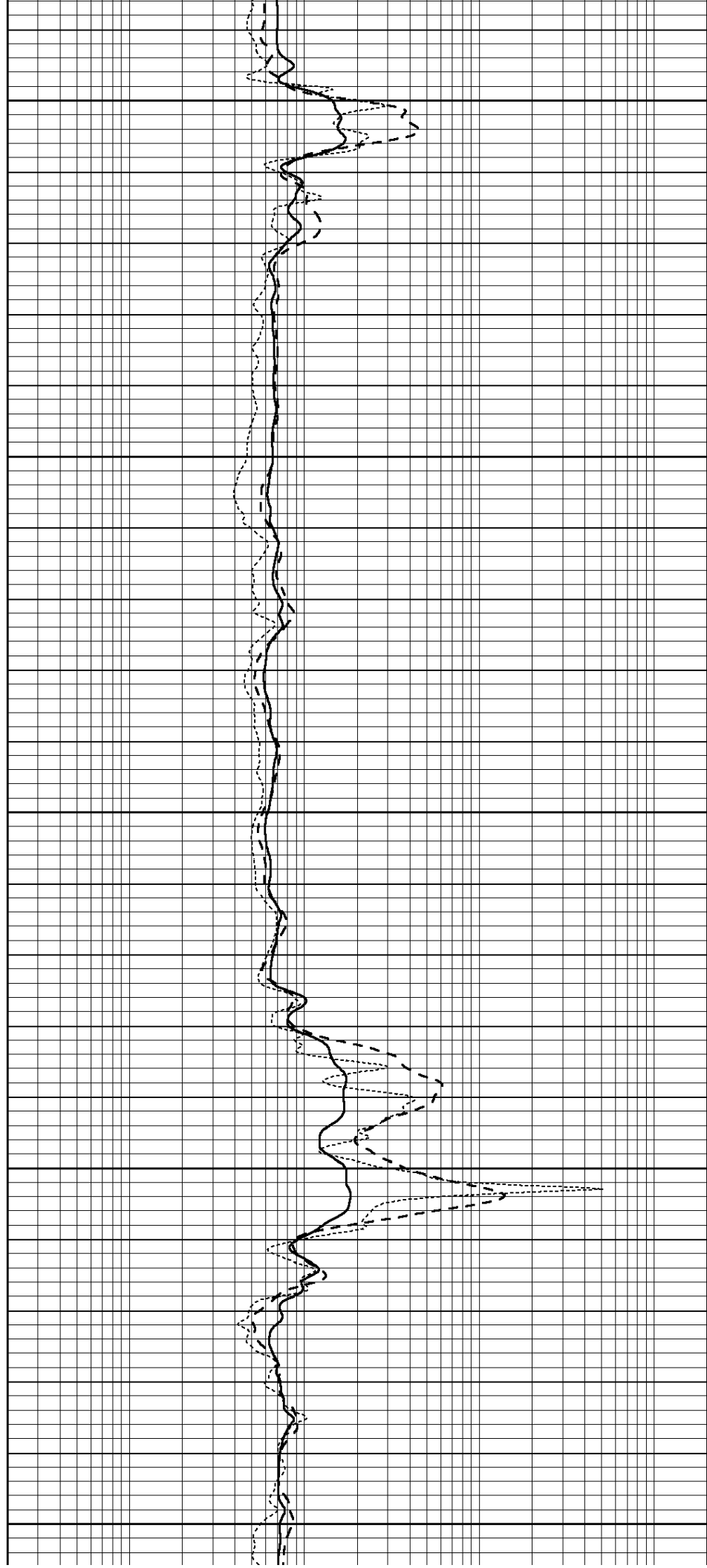
750

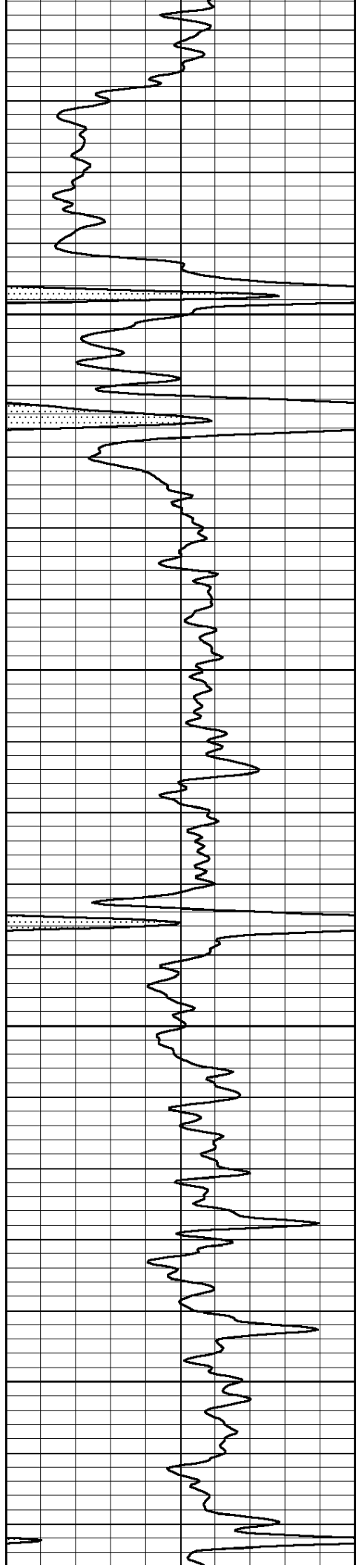
800

850

900

950



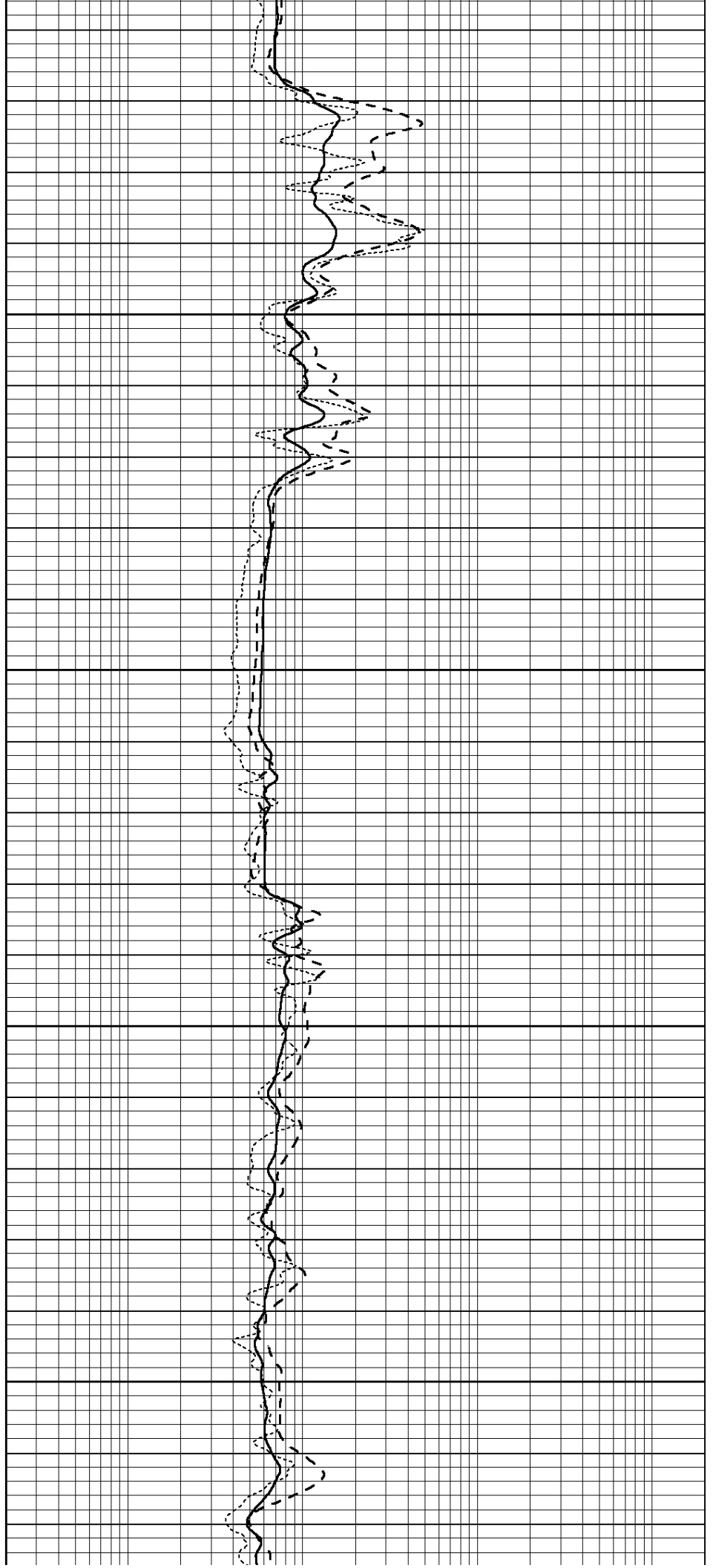


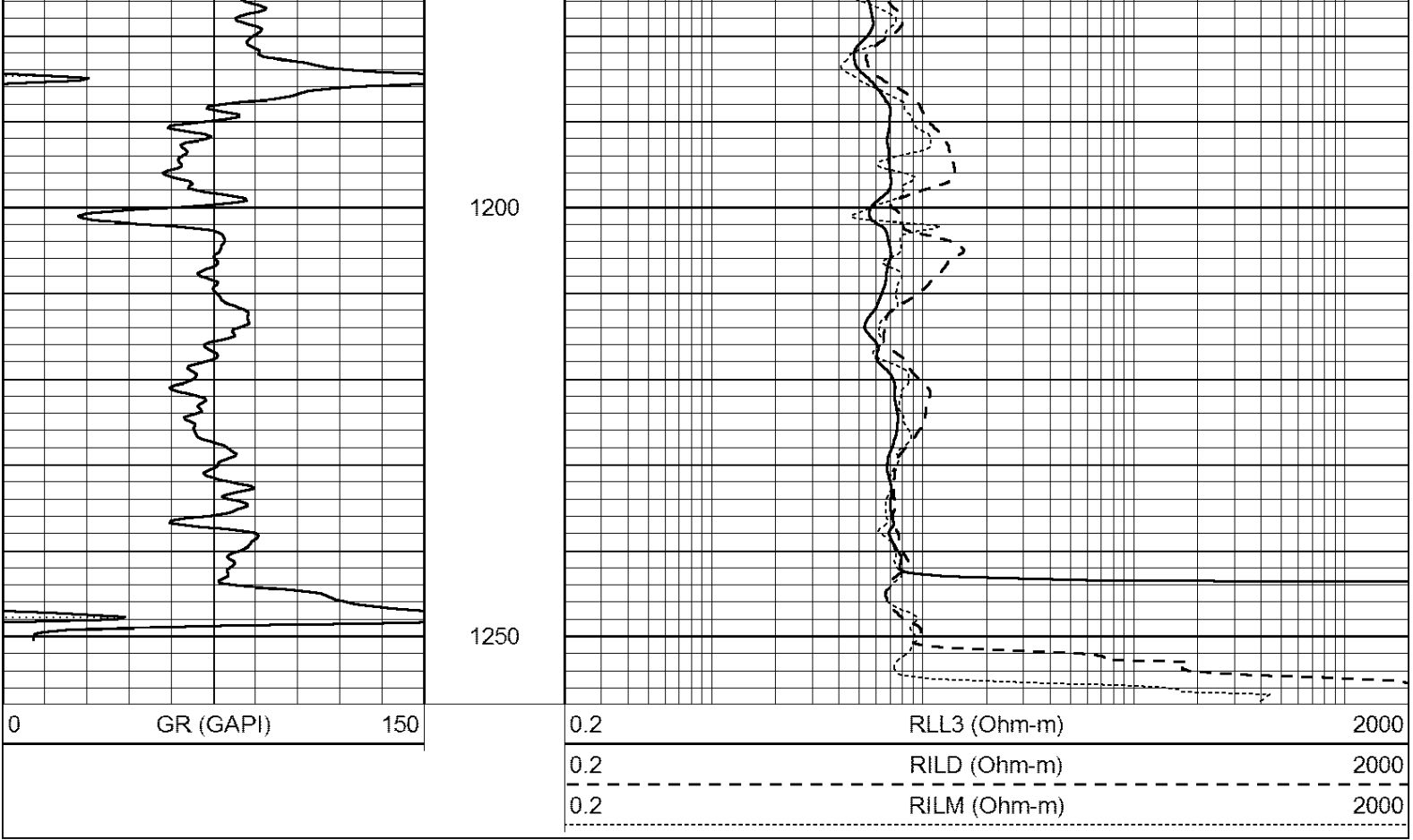
1000

1050

1100

1150





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CLL3	14.83					
			DIL-LANDY (LAN-1543)	17.67	3.50	210.00
CILD	6.48					

