



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	PIONEER EXPLORATION, LLC		
Well	DIRKS #7		
Field			
County	HARPER	State	KANSAS
Location:	API # : 15-077-21672-0000		Other Services CDL/CNL DIL
SEC 28 TWP 31S RGE 9W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1639
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING	K.B. 1649 D.F. 1647 G.L. 1639	
Date	3-22-10		
Run Number	TWO		
Depth Driller	4600		
Depth Logger	4601		
Bottom Logged Interval	4599		
Top Log Interval	2400		
Casing Driller	8 5/8" @ 266		
Casing Logger	266		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3500 PPM	
Density / Viscosity	9.3 / 52		
pH / Fluid Loss	10.5 / 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.95 @ 74F		
Rmf @ Meas. Temp	0.71 @ 74F		
Rmc @ Meas. Temp	1.14 @ 74F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.58 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	SEAN DEENIHAN		

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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.

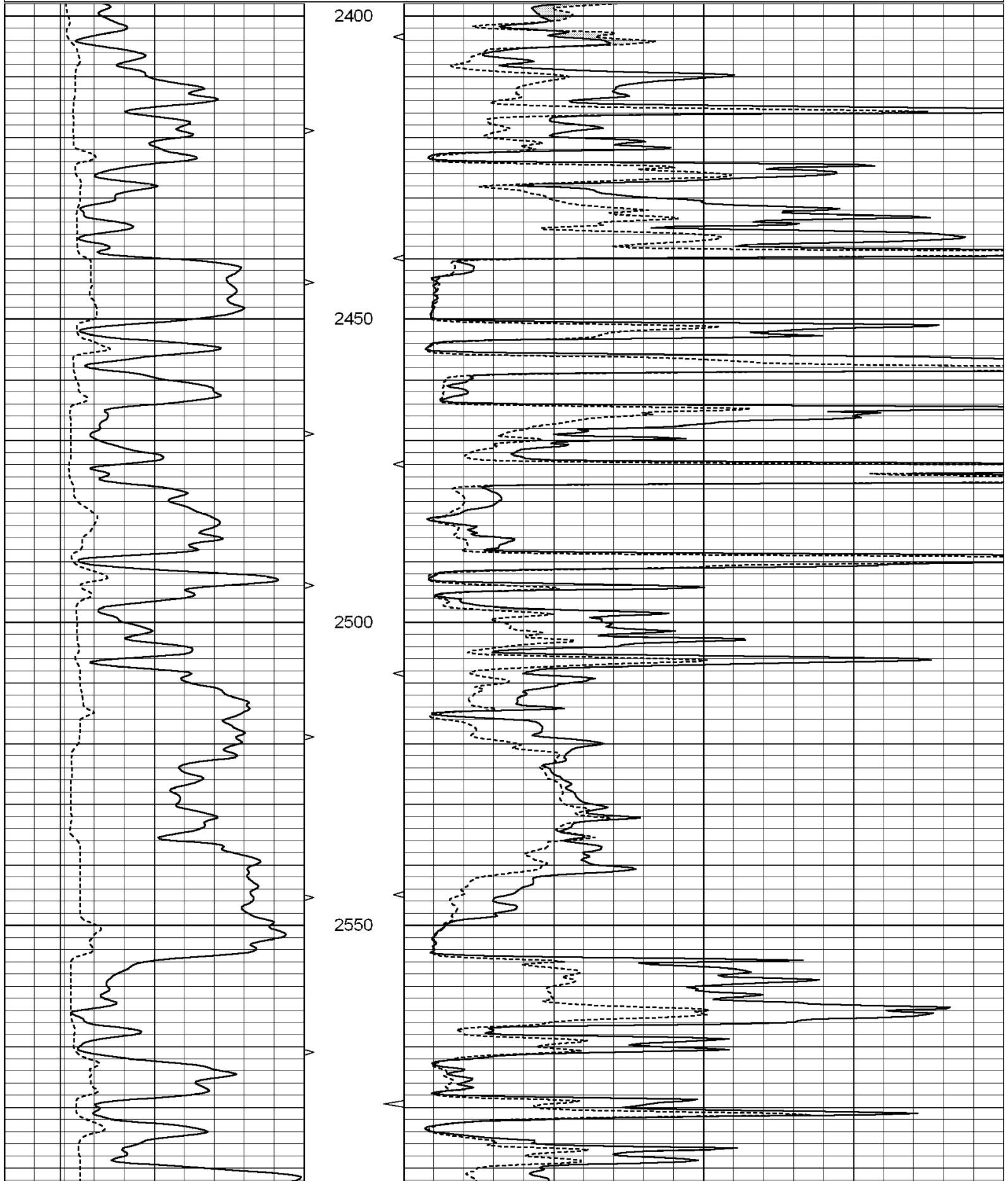
Comments

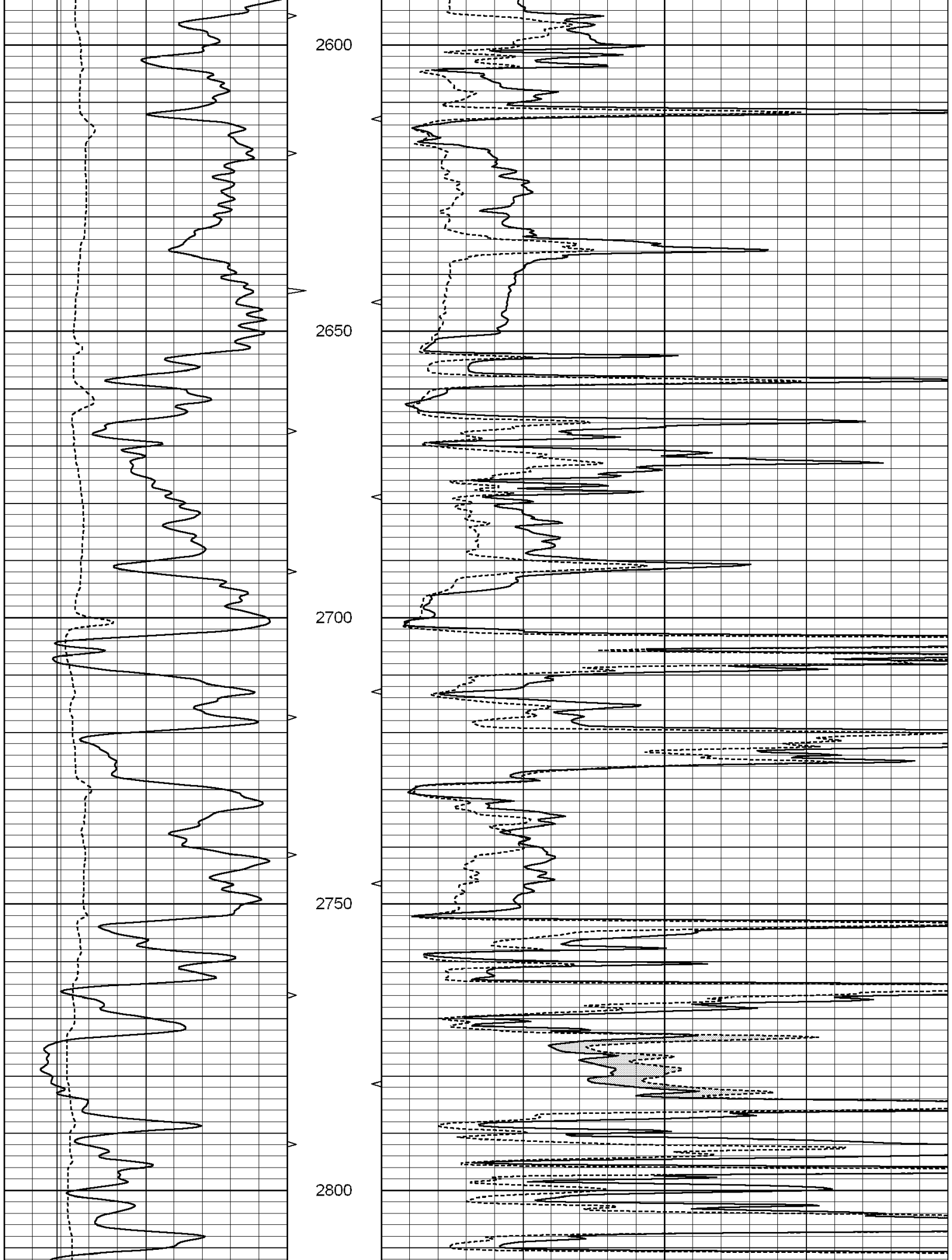
THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
ATTICA, KS - 4 1/2 MILES WEST TO RD NW 150 - 4 1/2 MILES NORTH
EAST INTO

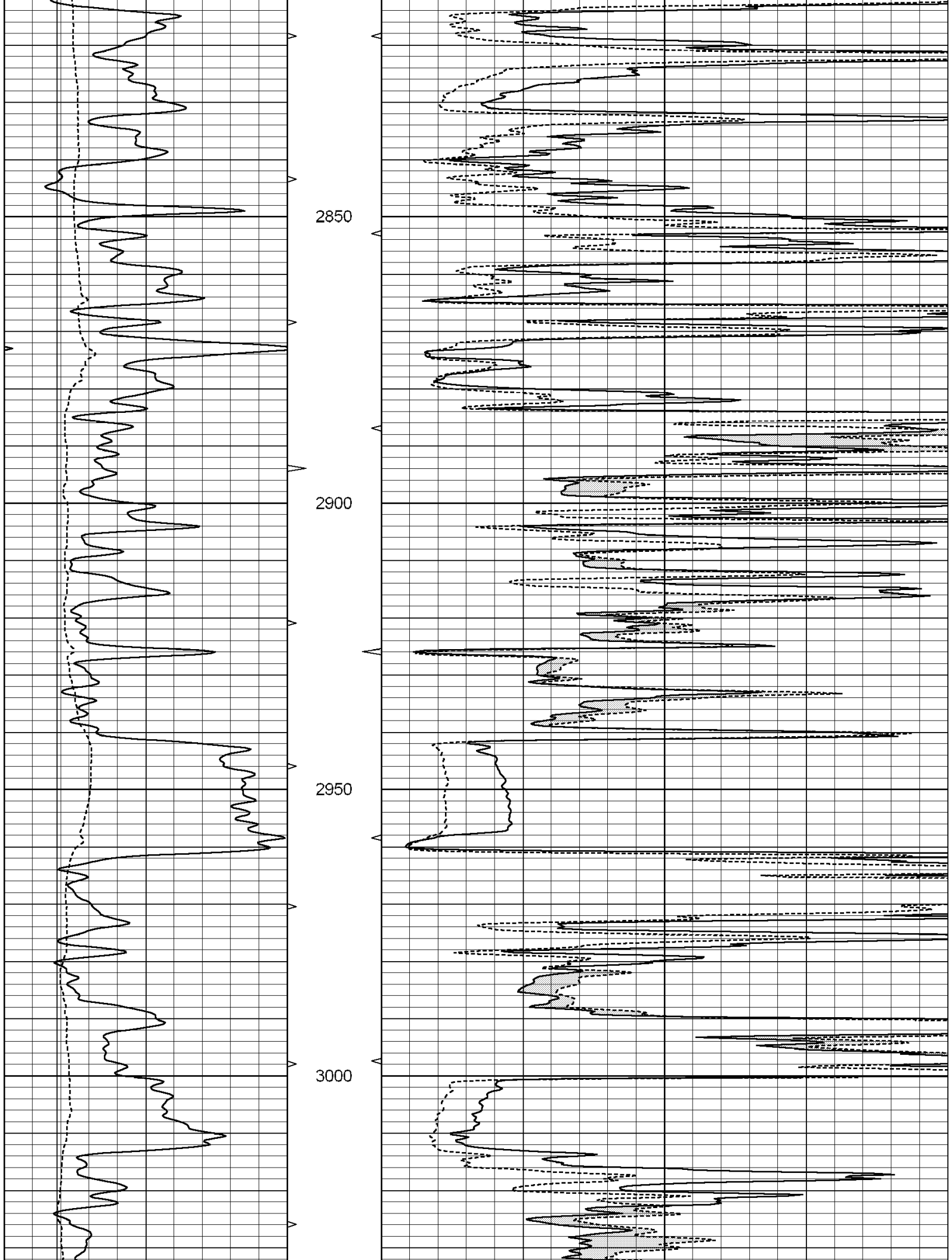
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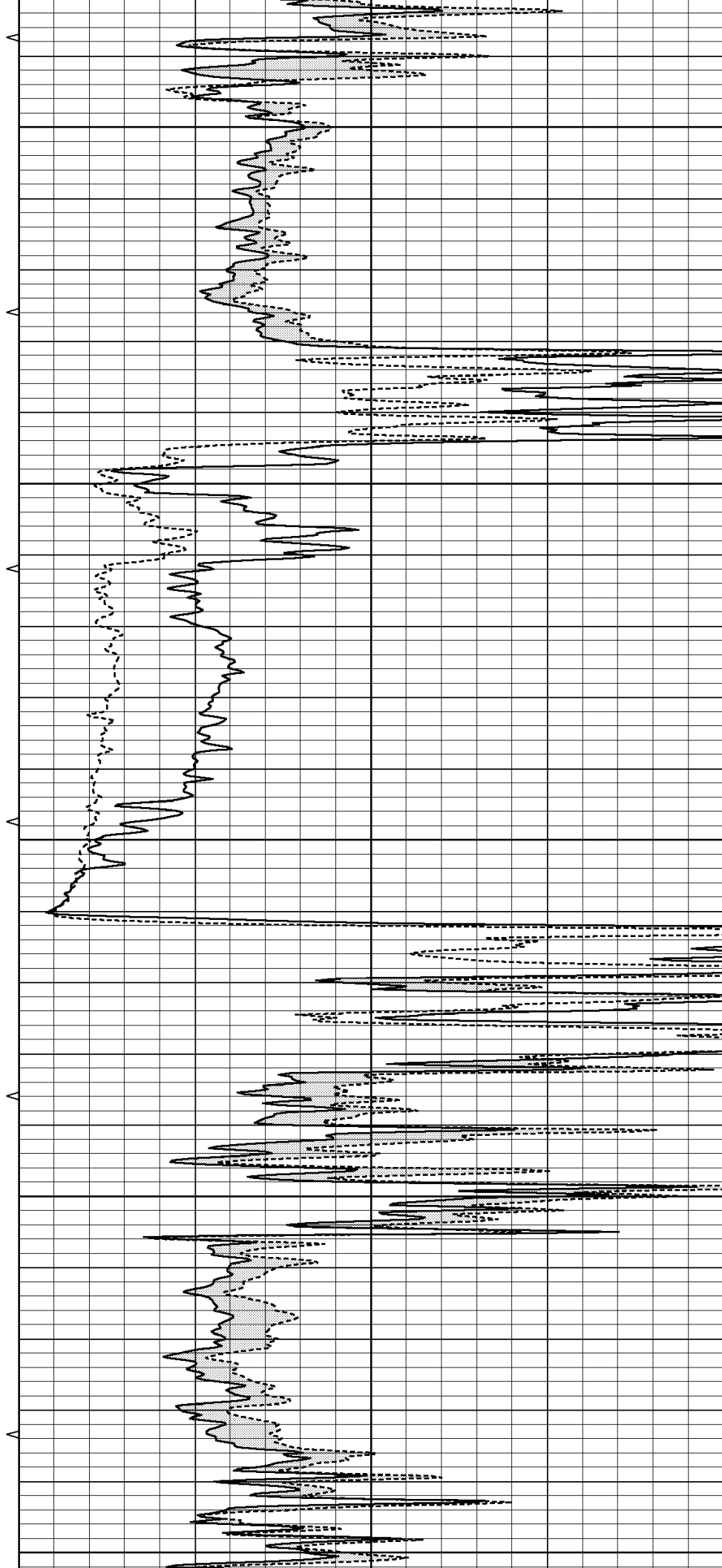
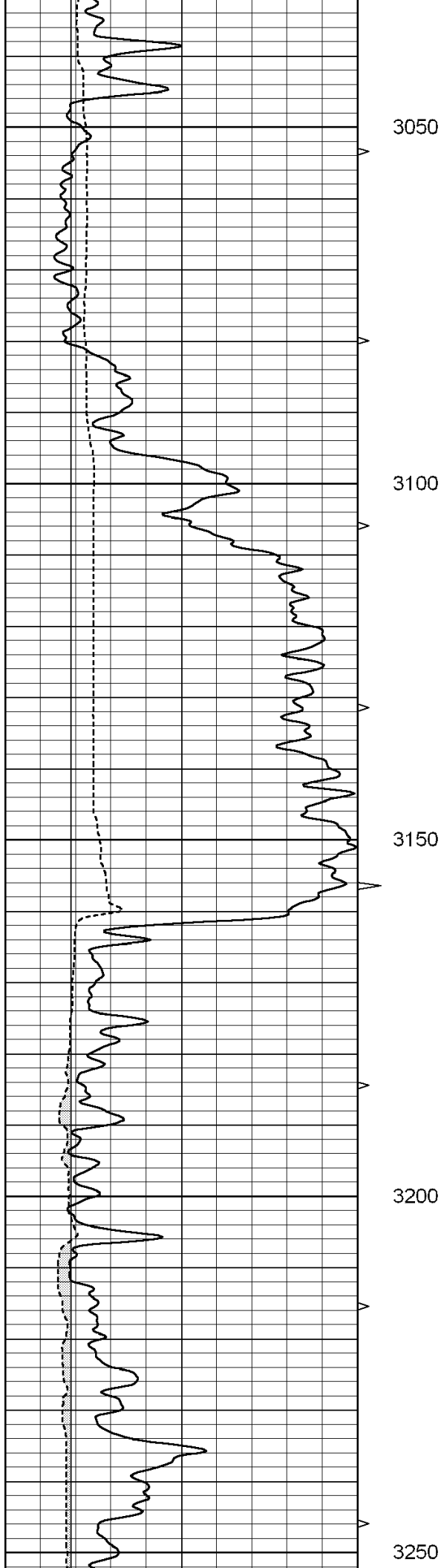
Depth in Feet scaled 1:240

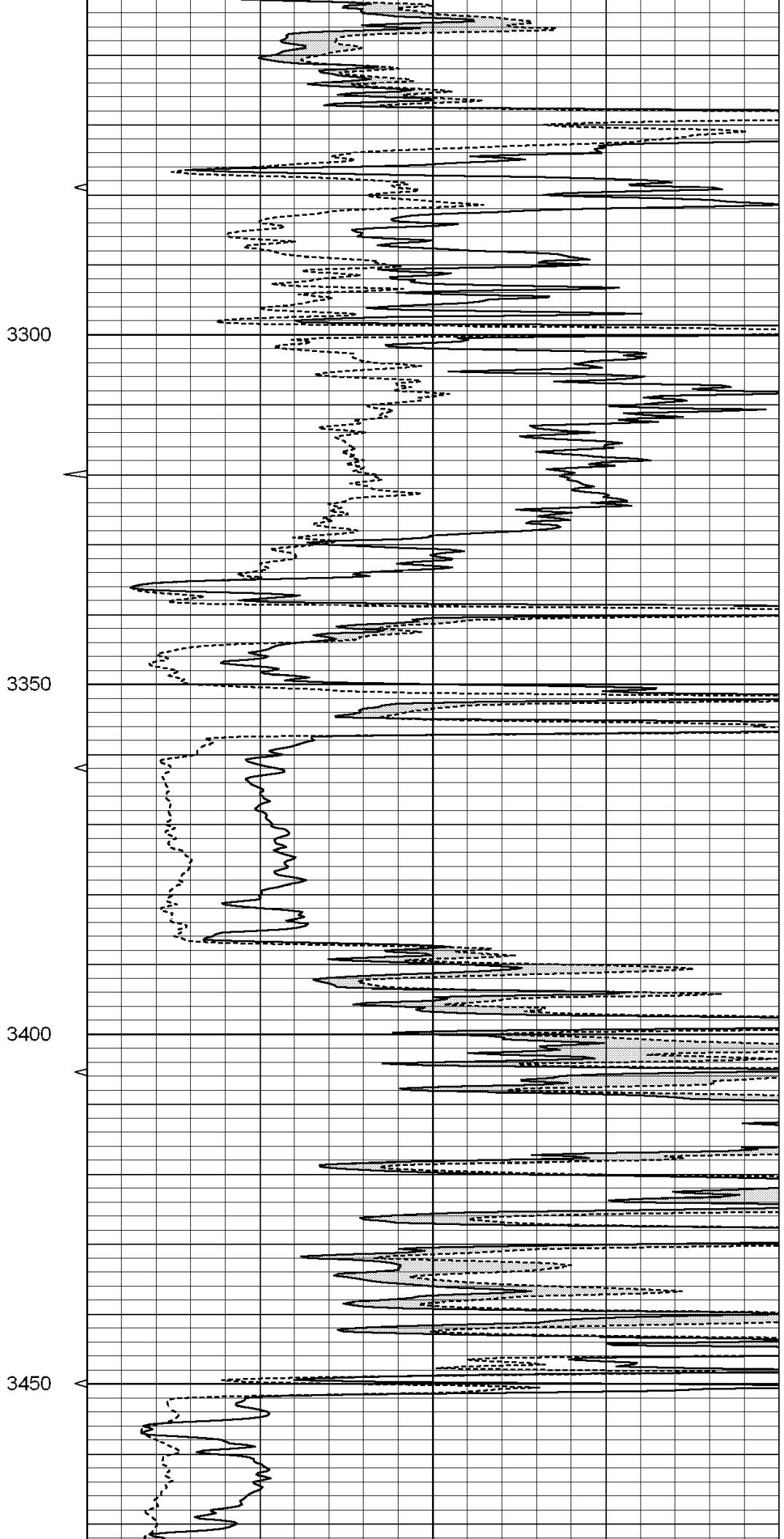
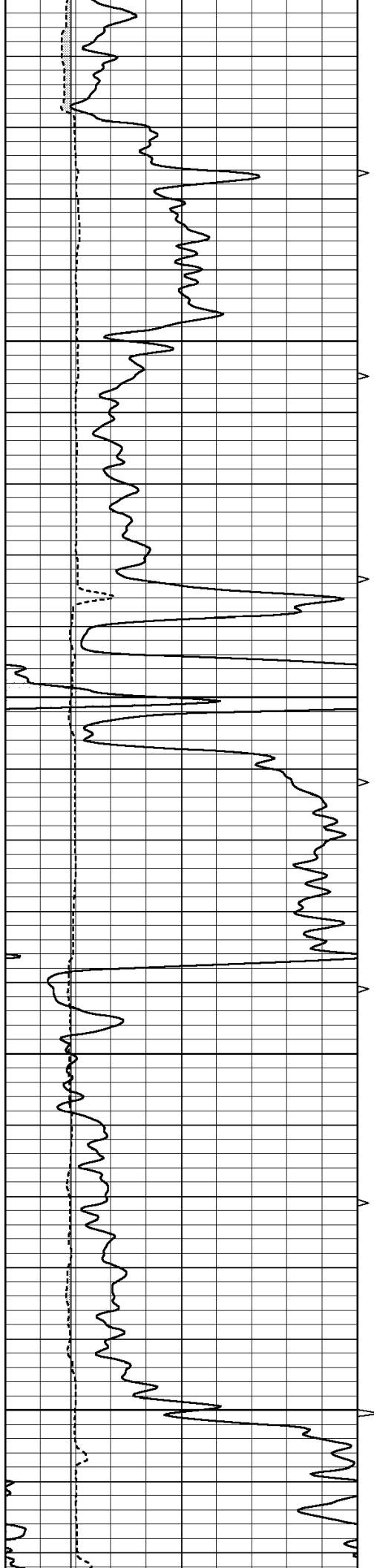
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			

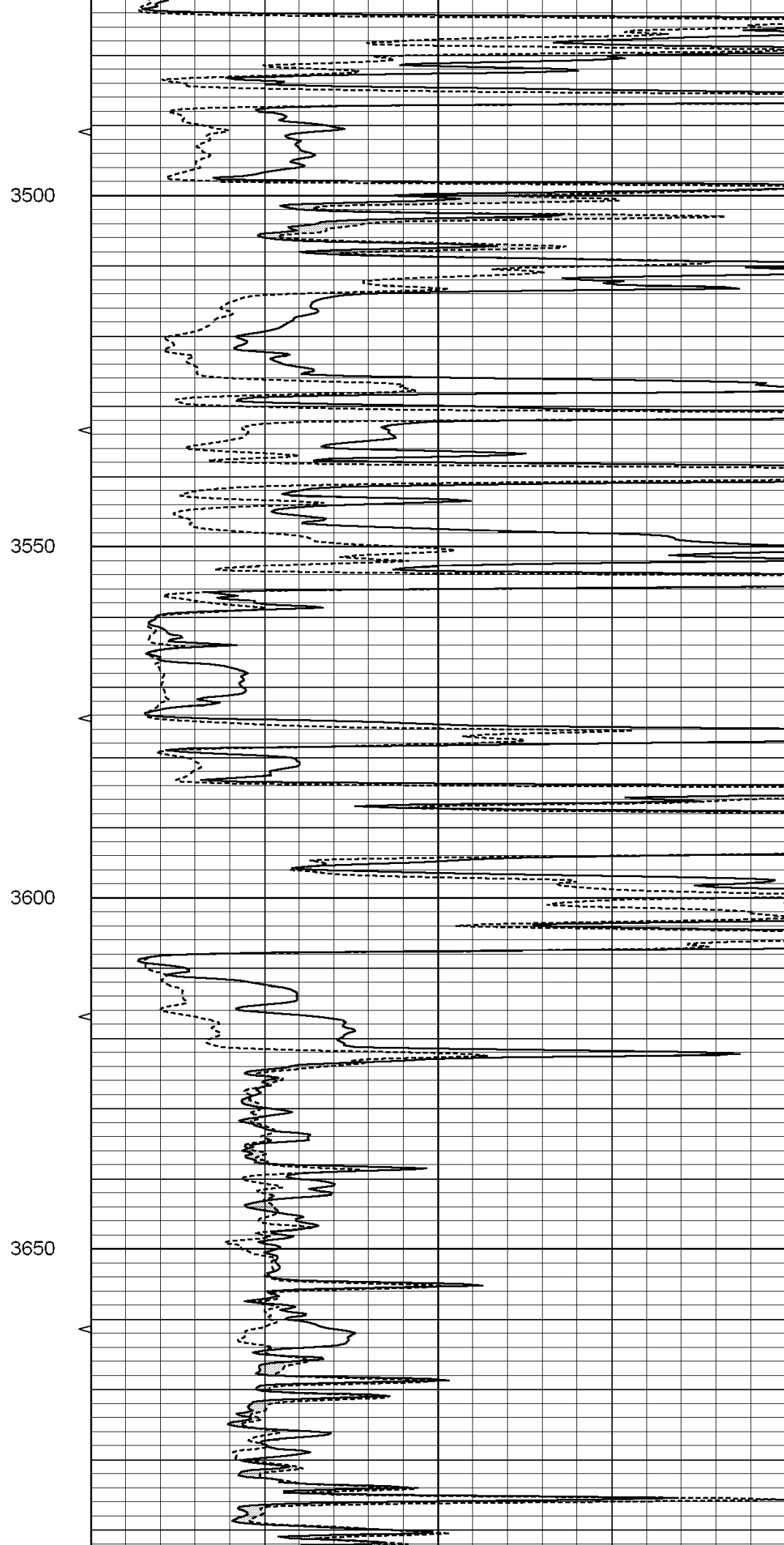
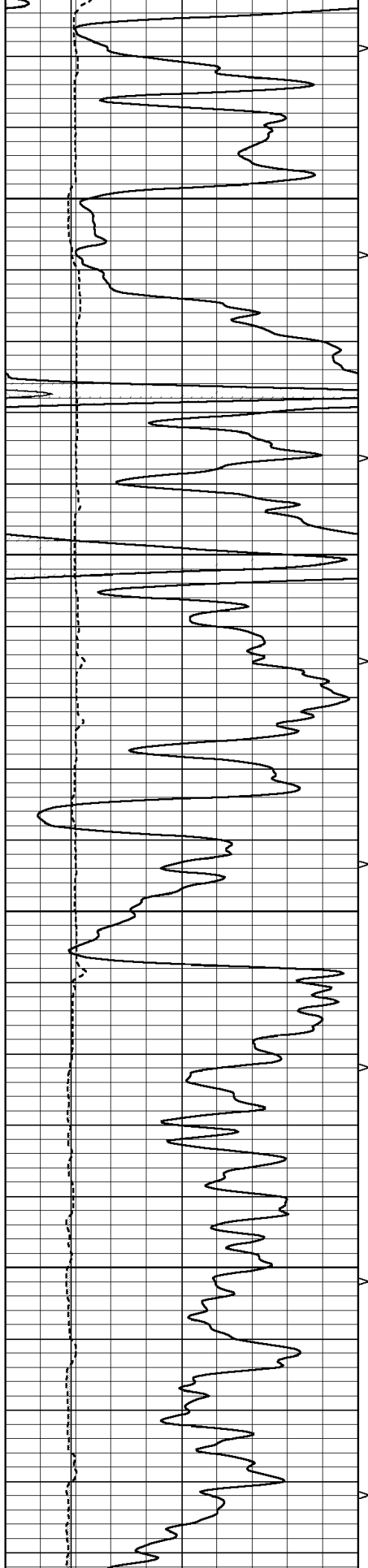


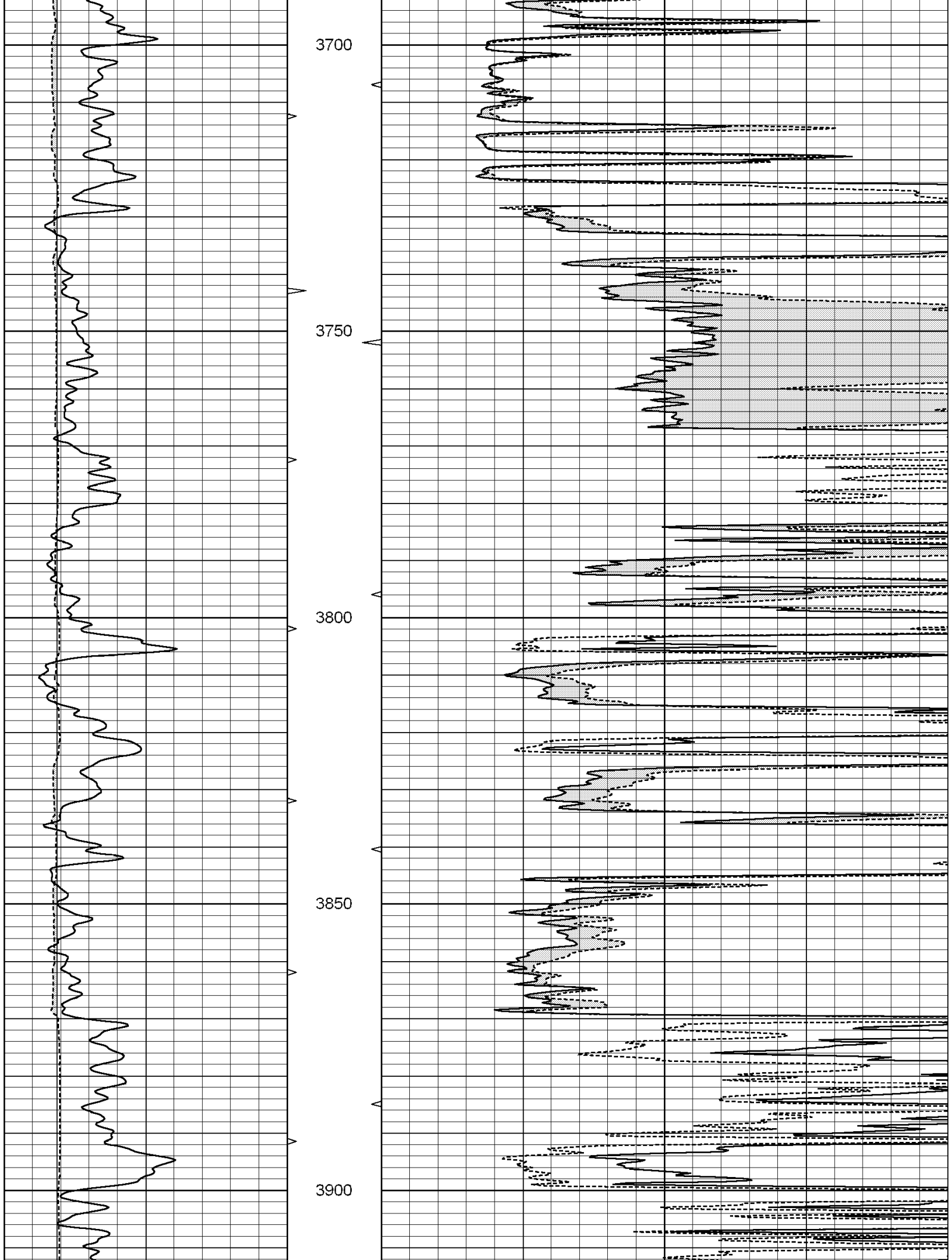


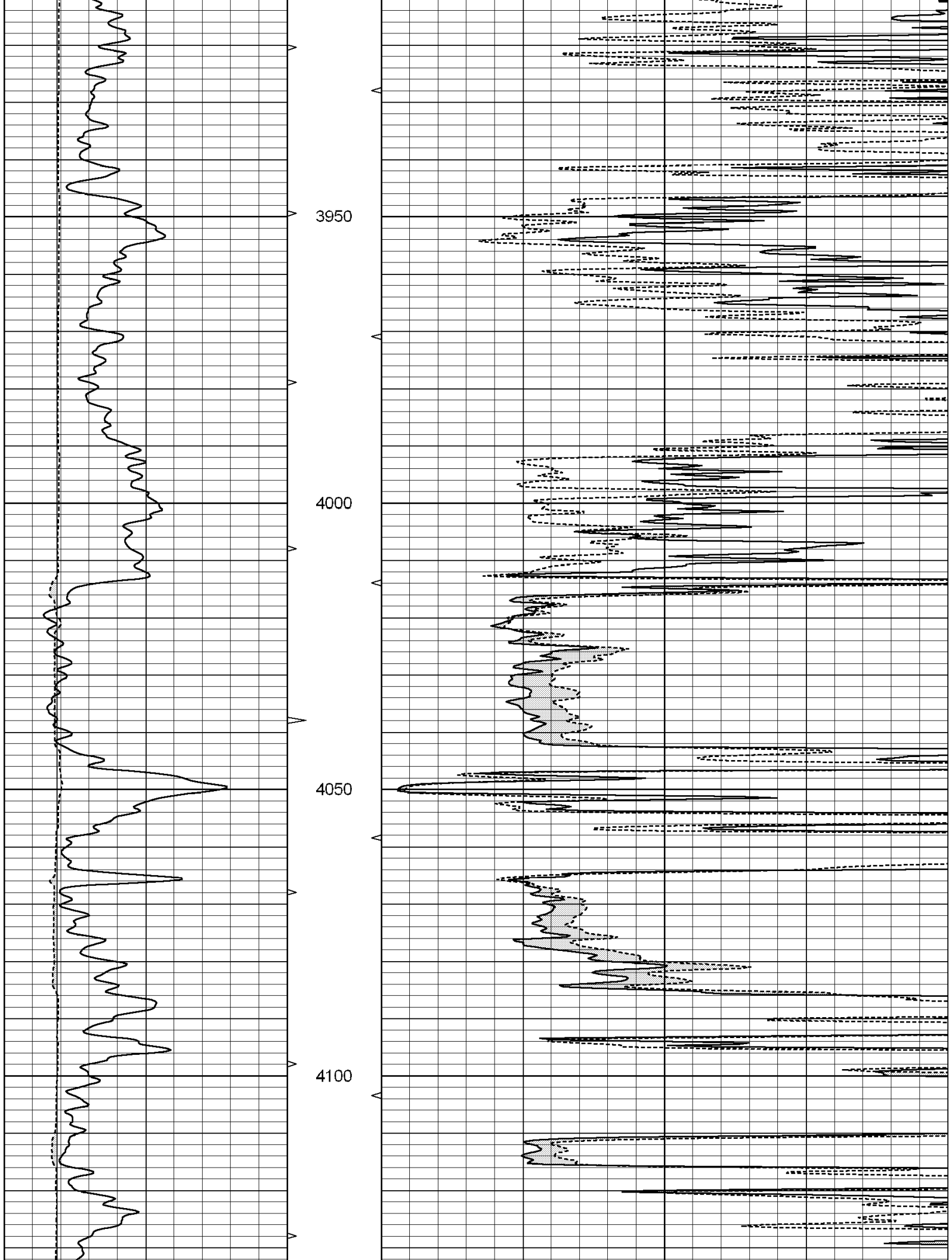


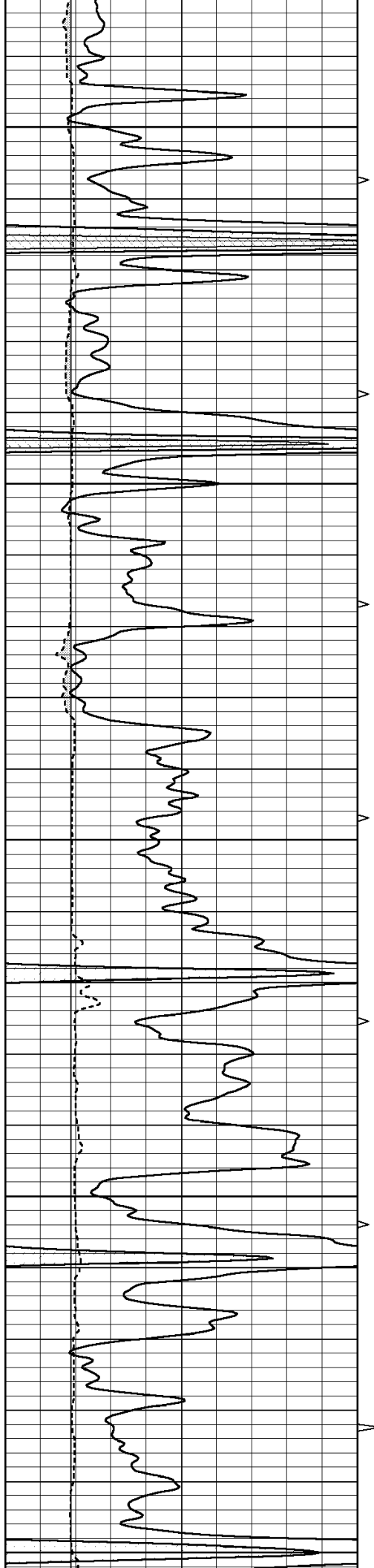












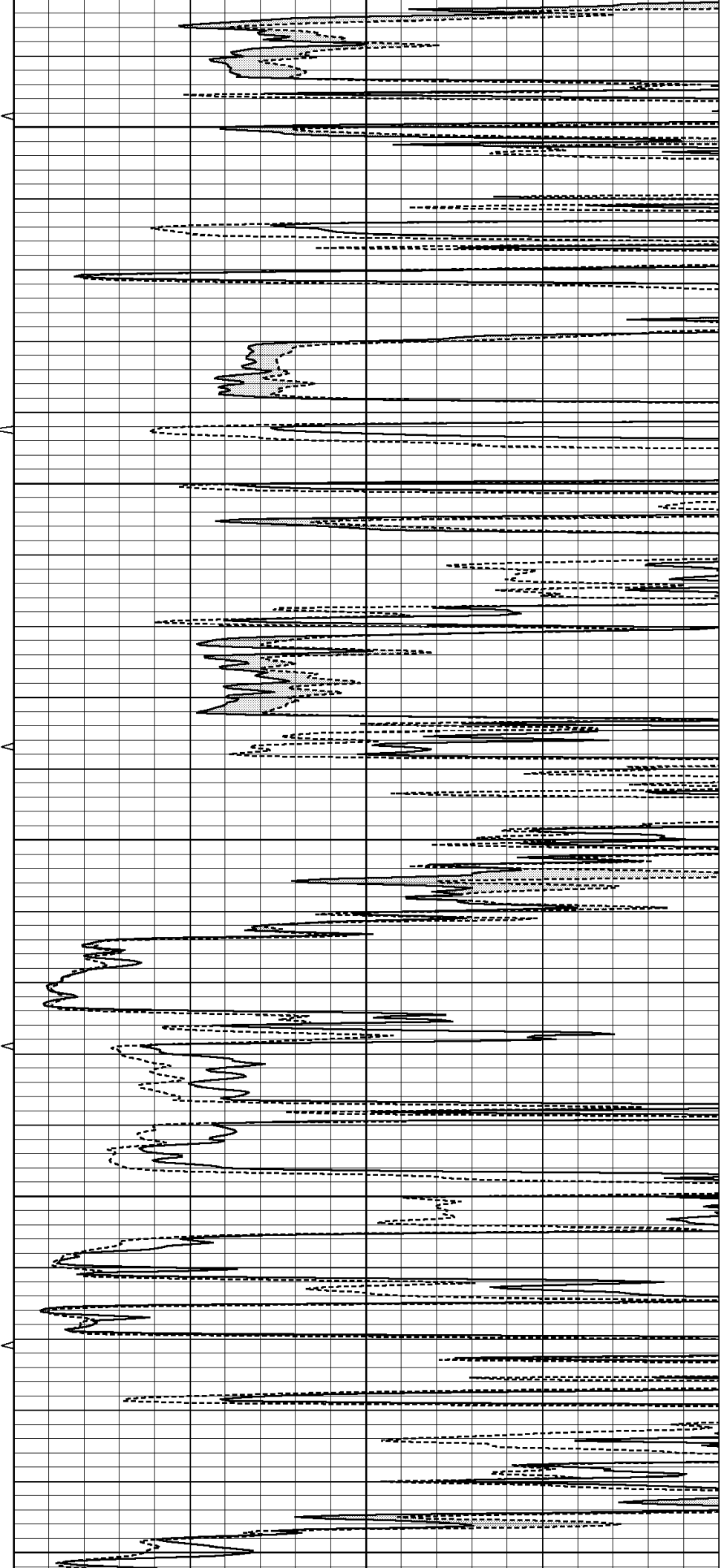
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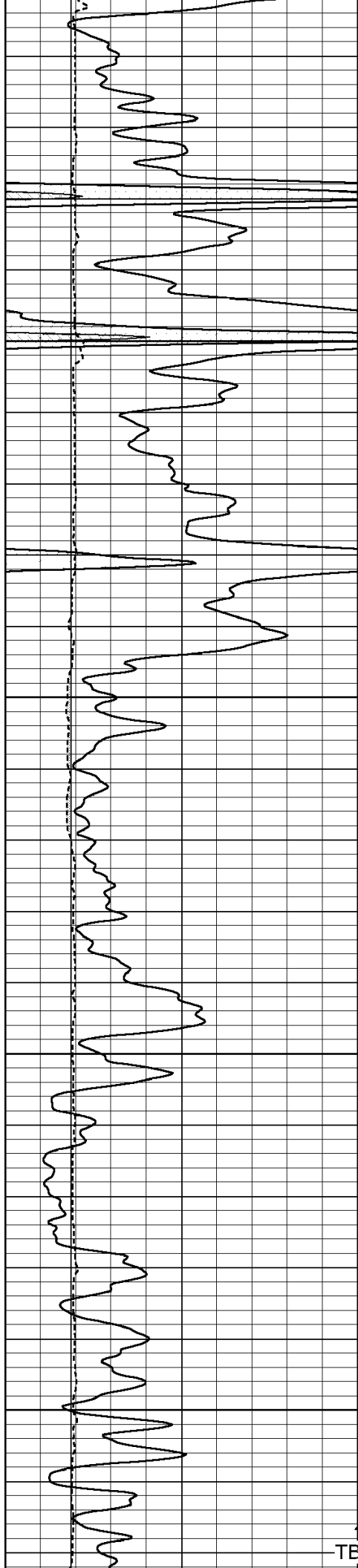
4200

4250

4300

4350





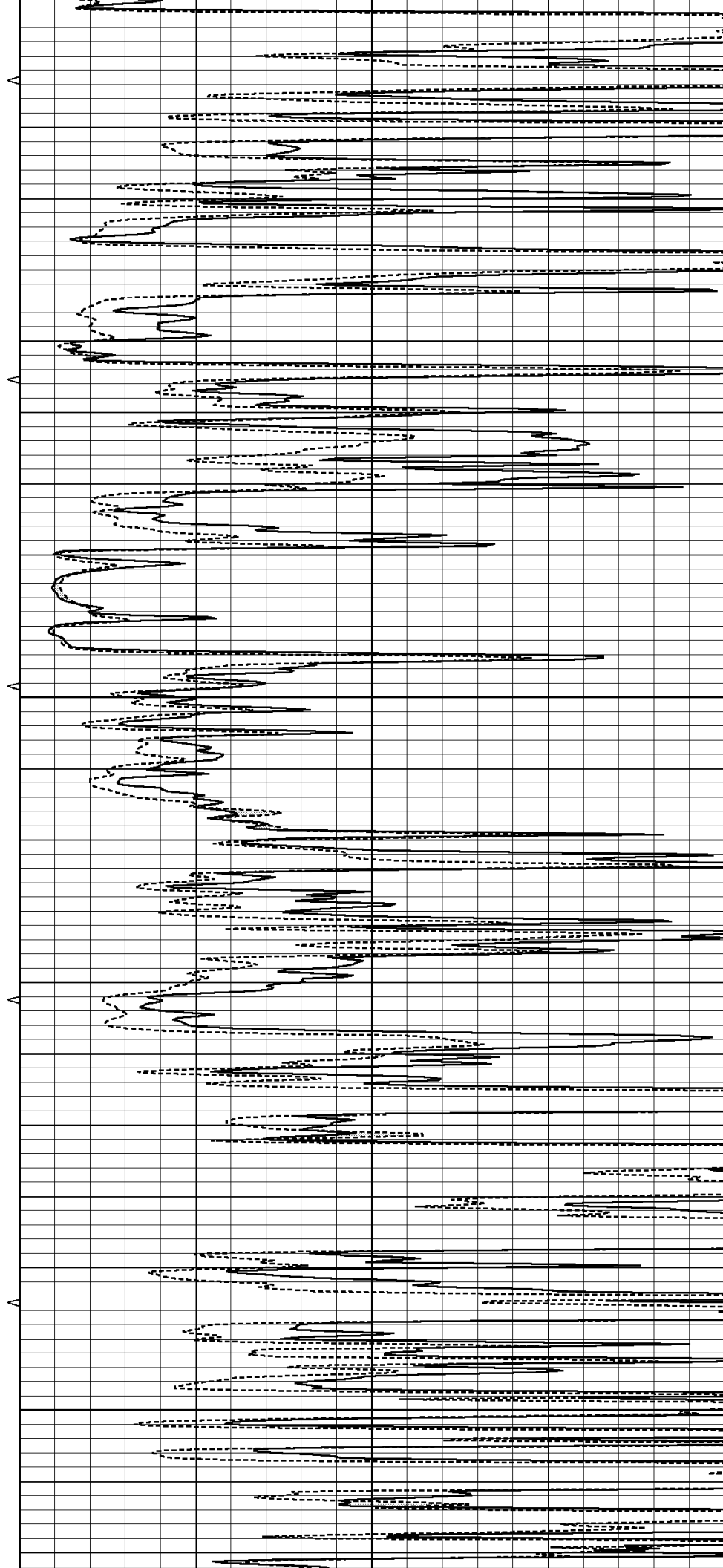
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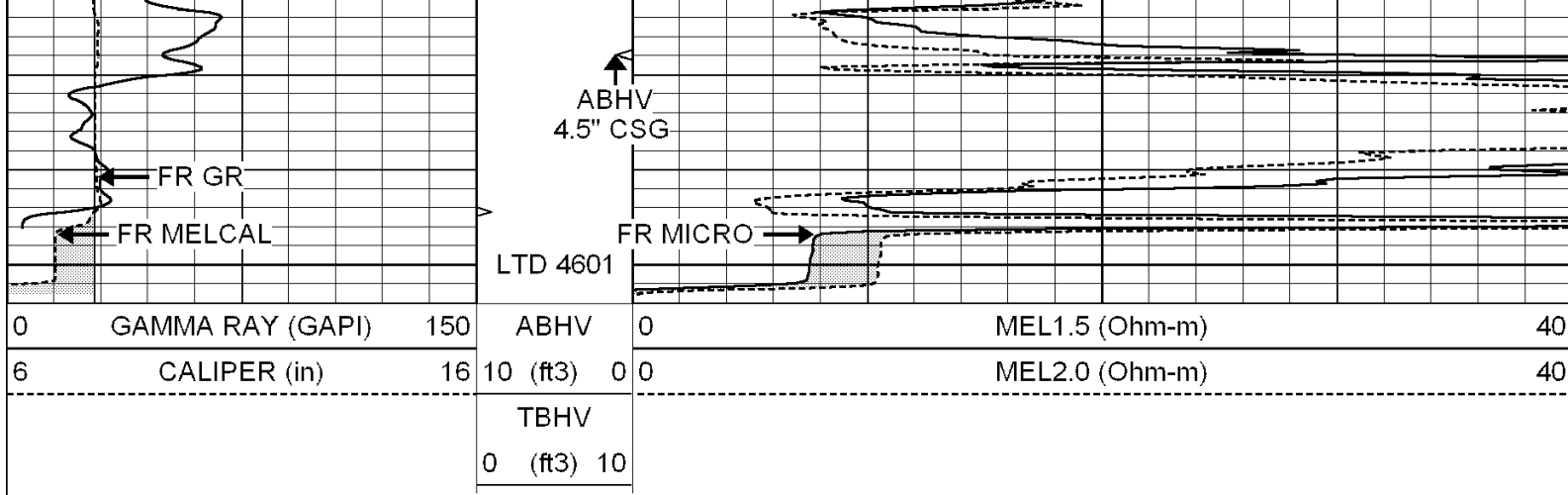
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4500

4550

TBHV



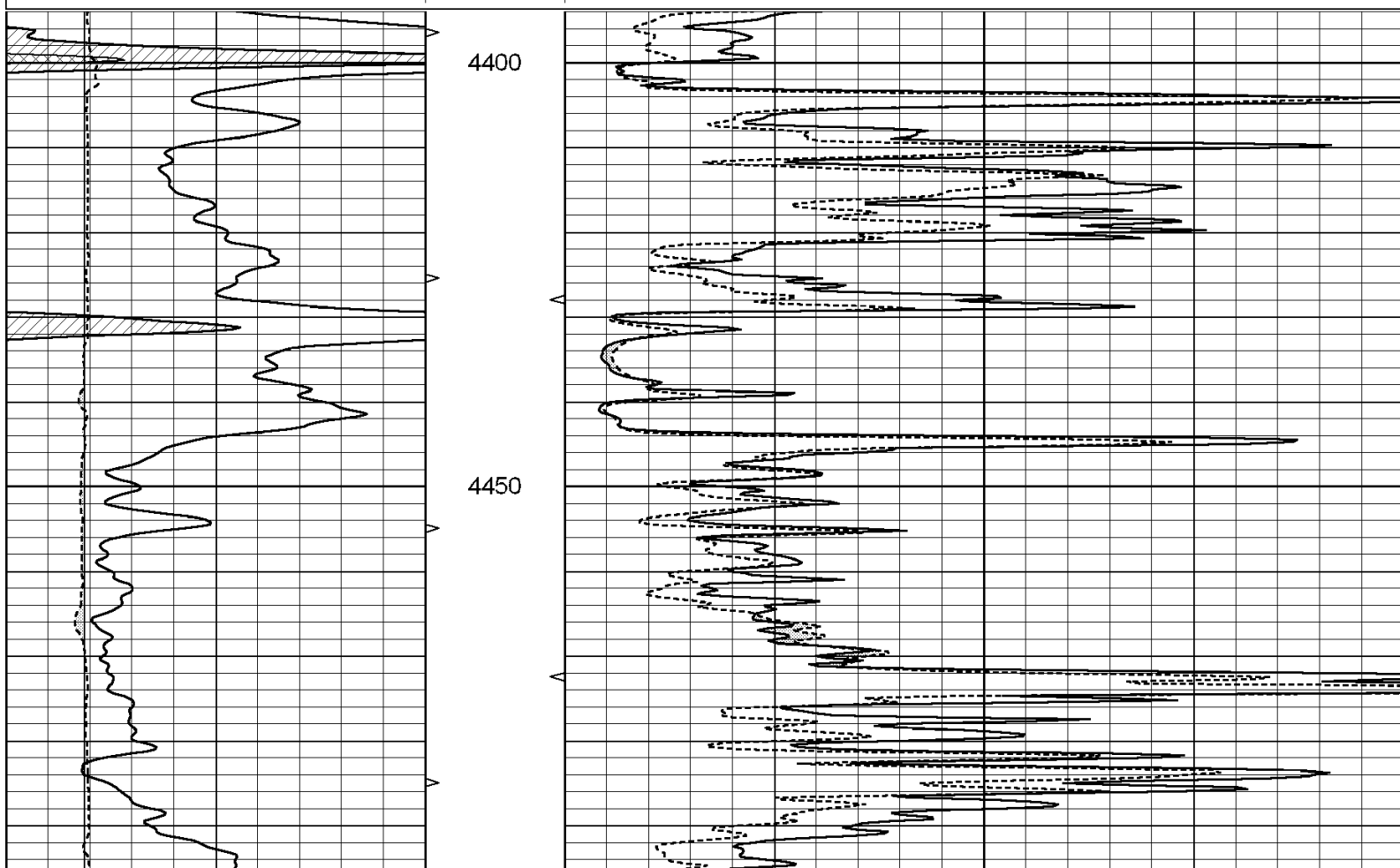


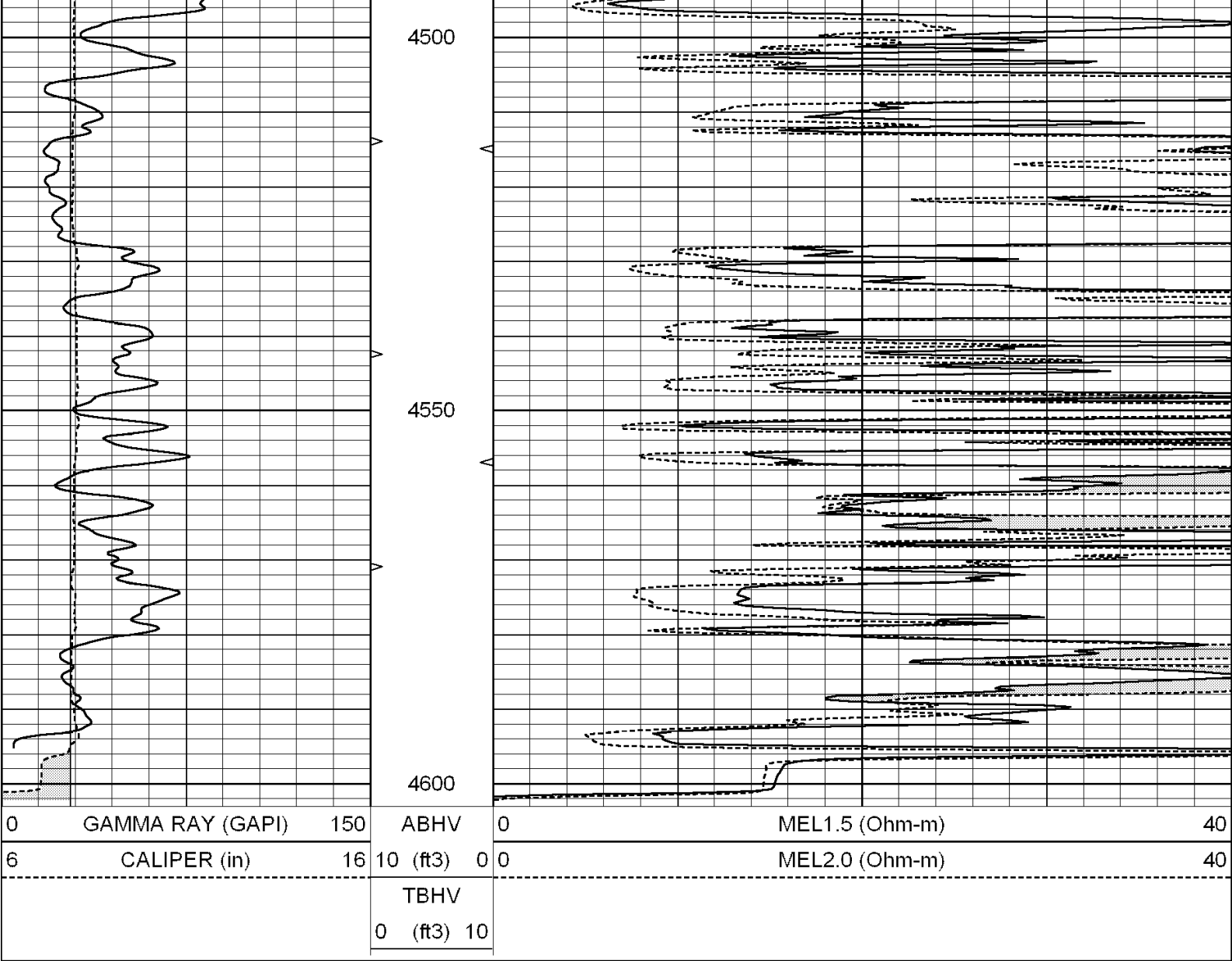
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 005104ddn.db
 Dataset Pathname: pass4.1
 Presentation Format: _micro
 Dataset Creation: Mon Mar 22 23:25:00 2010 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	005104ddn.db		
Dataset Pathname:	pass5		
Dataset Creation:	Mon Mar 22 23:28:16 2010 by Log Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO6		
Tool Model:	PROBE		
Performed:	Tue Feb 02 18:42:12 2010		
Caliper Calibration:	Gain=5.239	Offset=0.559	
References	Low Cal	High Cal	
Readings	8.000	14.000	
	1.401	2.546	
1.5" Calibration:	Gain=40.781	Offset=-0.851	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.008	1.200	
2" Calibration:	Gain=40.739	Offset=-0.193	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.008	1.200	

References	0.000	20.000
Readings	0.008	0.888
Gamma Ray Calibration Report		
Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Tue Nov 10 08:32:36 2009	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5535	GAPI/cps