



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	HERMAN L. LOEB, LLC
Well	THOMPSON C #2-16
Field	MEDICINE LODGE - BOGGS
County	BARBER
State	KANSAS
Location:	API # : 15-007-24122-00-00 555' FNL& 2235' FVL SW - NE - NE - NW
Permanent Datum Log Measured From Drilling Measured From	GROUND LEVEL KELLY BUSHING 9' A.G.L. KELLY BUSHING
Other Services CNL/CDL/PE DIL MEL/SON Elevation	K.B. 1820 D.F. 1818 G.L. 1811
Date	1-6-14
Run Number	TWO
Depth Driller	5162
Depth Logger	5162
Bottom Logged Interval	5144
Top Log Interval	3700
Casing Driller	13 3/8" @ 258'
Casing Logger	254'
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/54
pH / Fluid Loss	10.5/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.50@65F
Rmf @ Meas. Temp	0.38@65F
Rmc @ Meas. Temp	0.60@65F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	0.26@126F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	126F
Equipment Number	860
Location	HAYS, KANSAS
Recorded By	IAN MABB
Witnessed By	JON CHRISTENSEN

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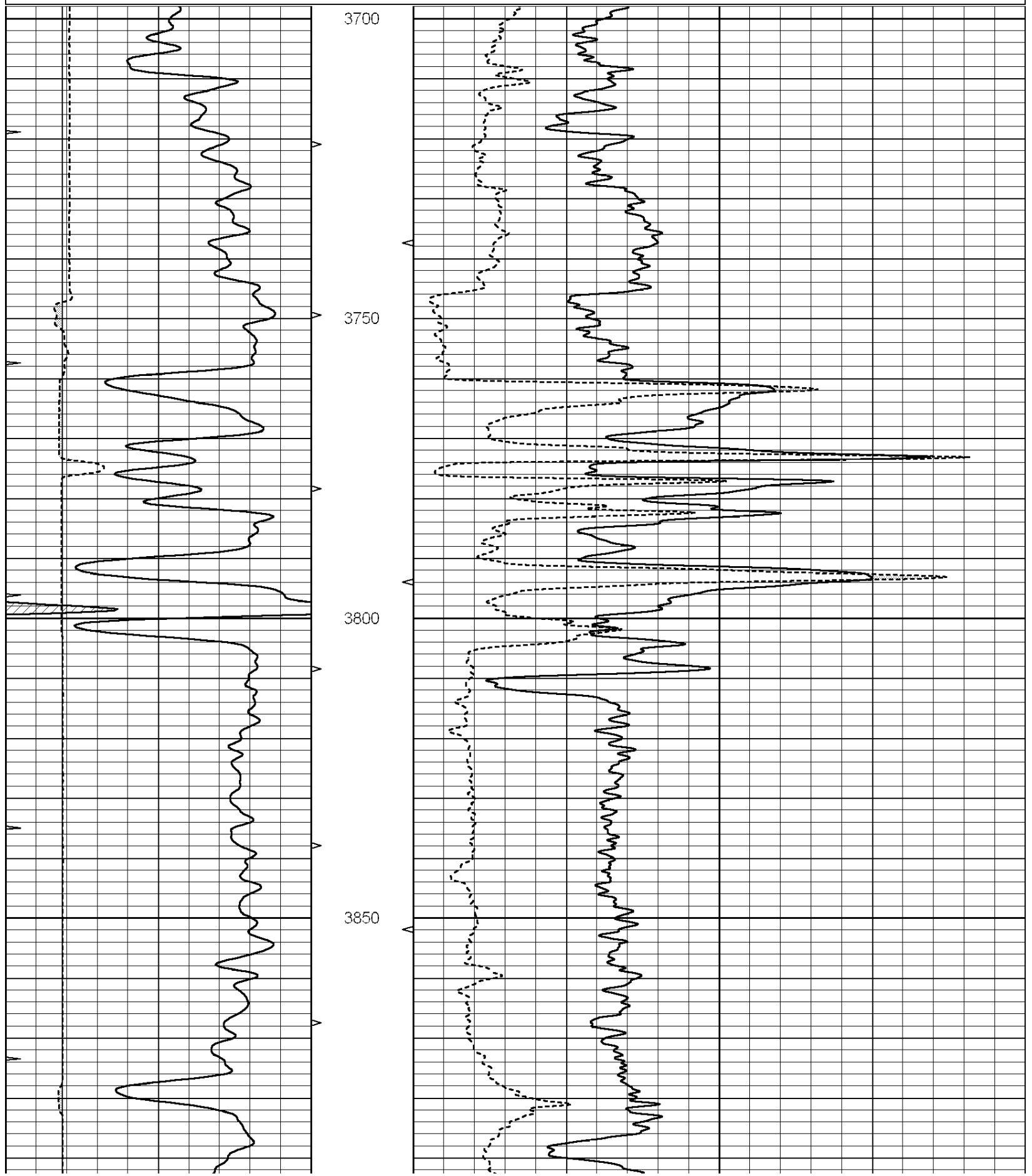
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

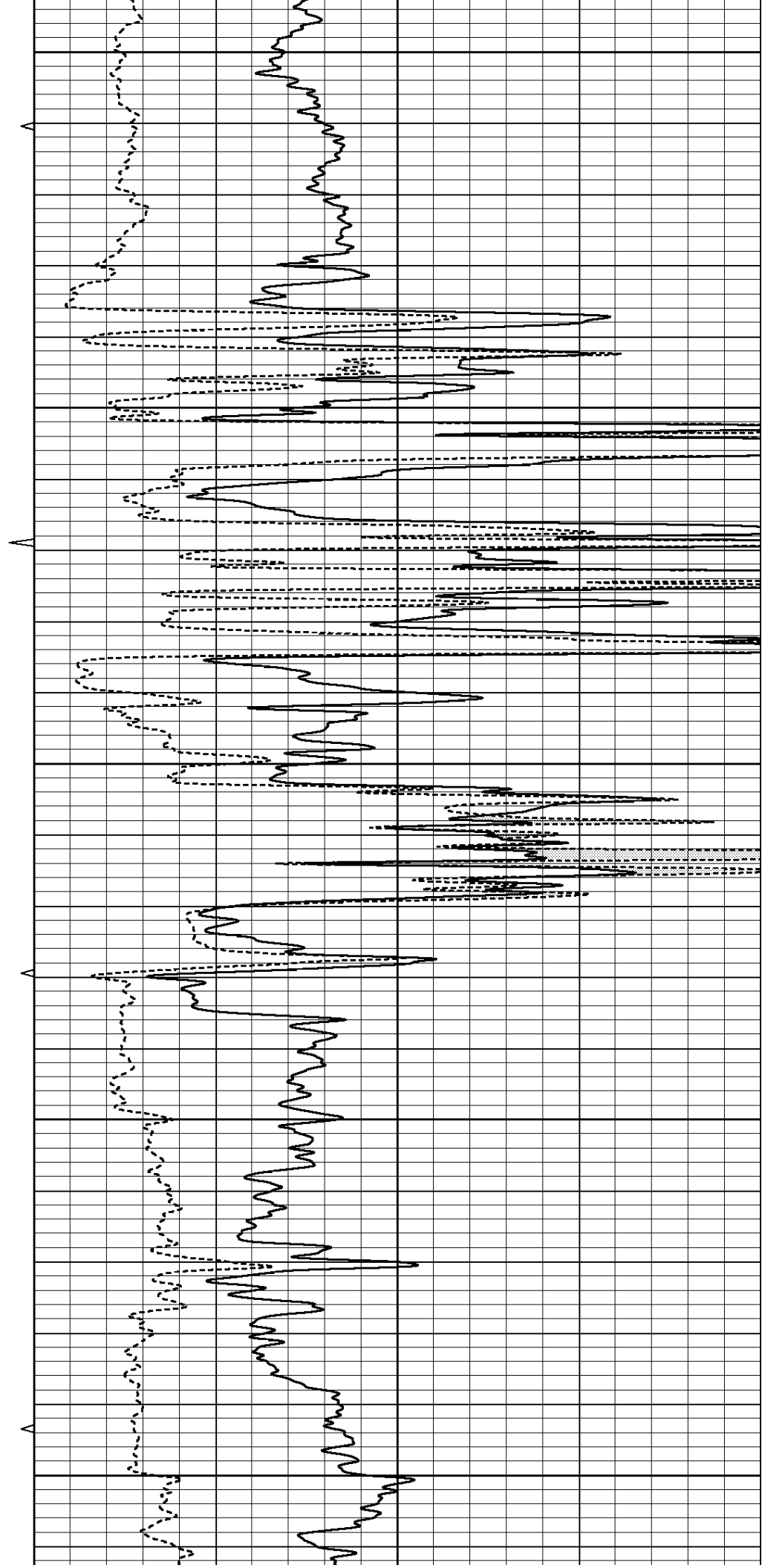
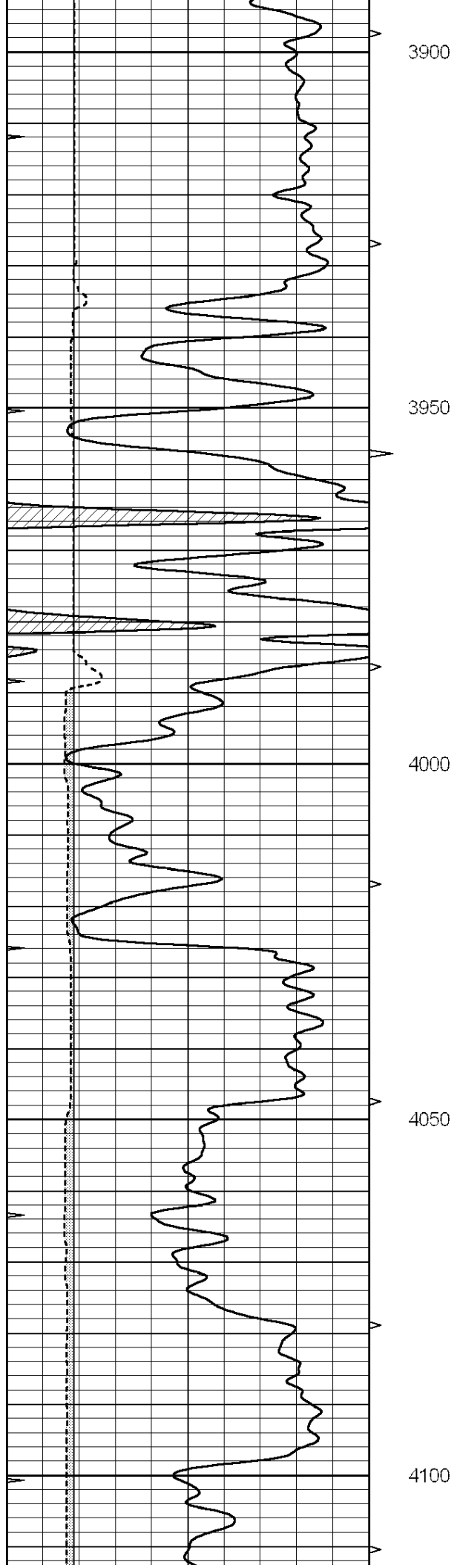
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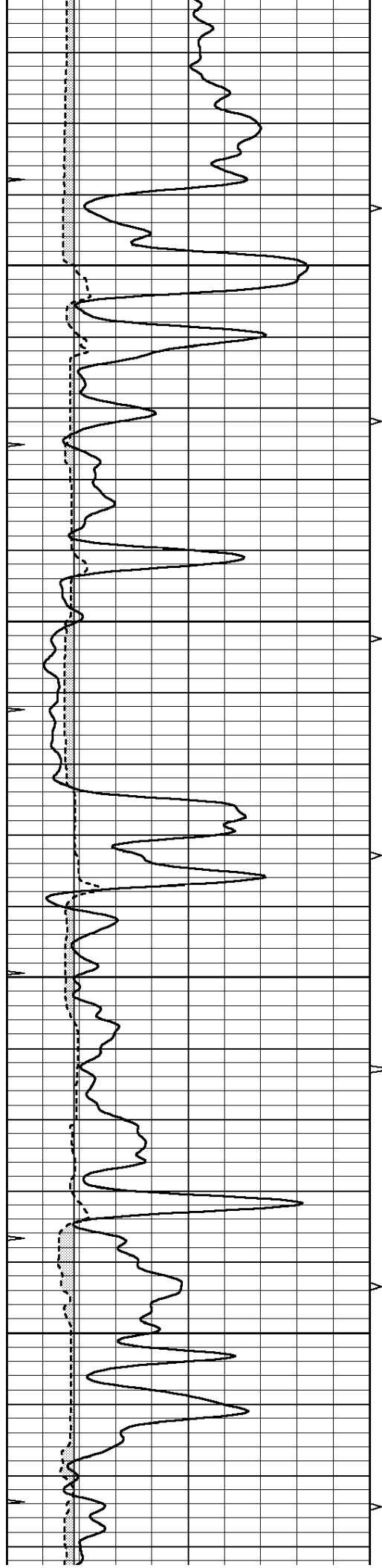
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS:

MEDICINE LODGE - 3 WEST ON 160 TO GYP HILL RD. - 10 SOUTH TO UNION CHAPEL CHURCH RD -
WEST 2.5 MILES TO A SILO ON THE NORTH SIDE OF ROAD - 2.5 MILES NORTH ON MAIN LEASE RD.

0	GAMMA RAY (GAPI)	150	0	MEL1.5 (Ohm-m)	40
6	MELCAL (in)	16	0	MEL2.0 (Ohm-m)	40
0	MINMK	20			





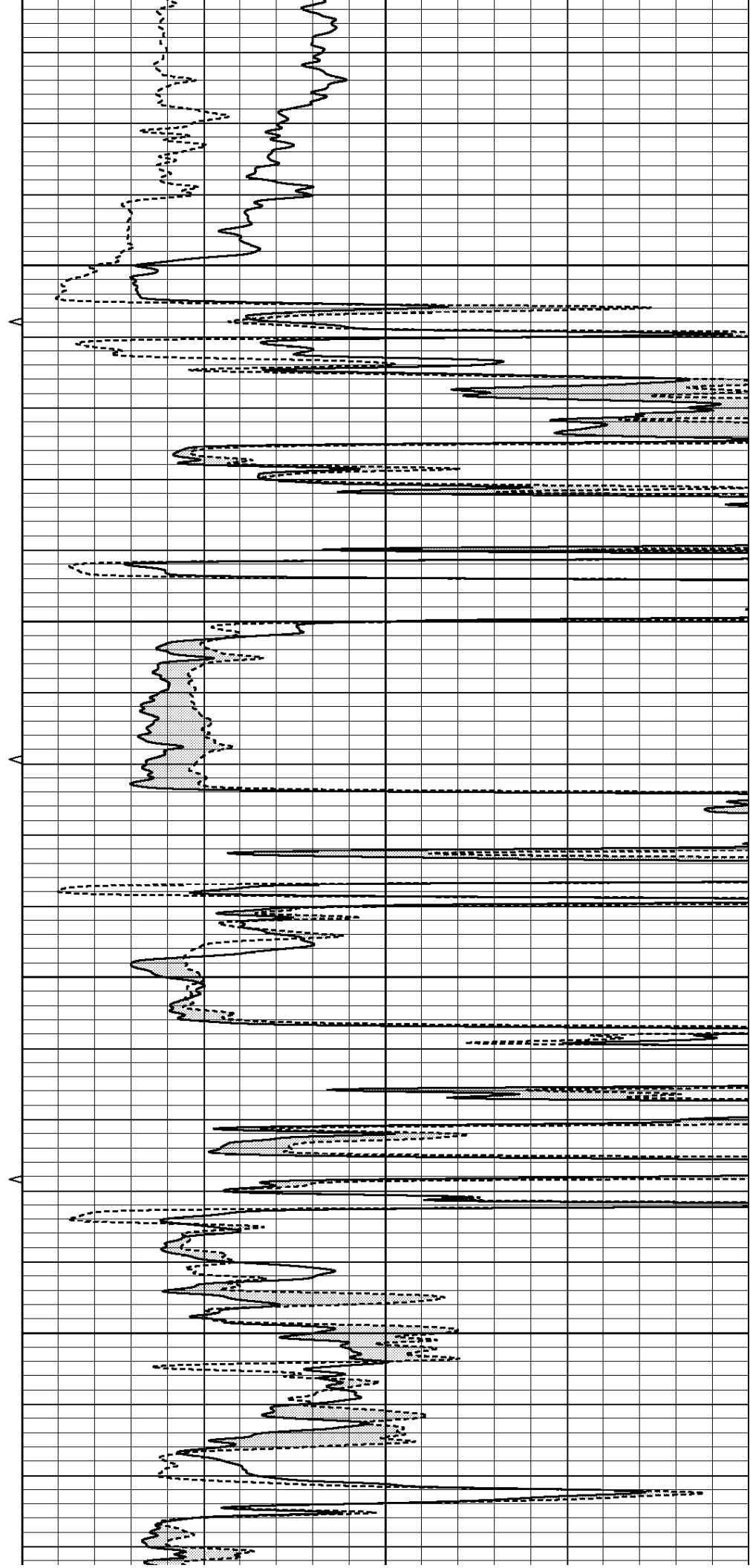


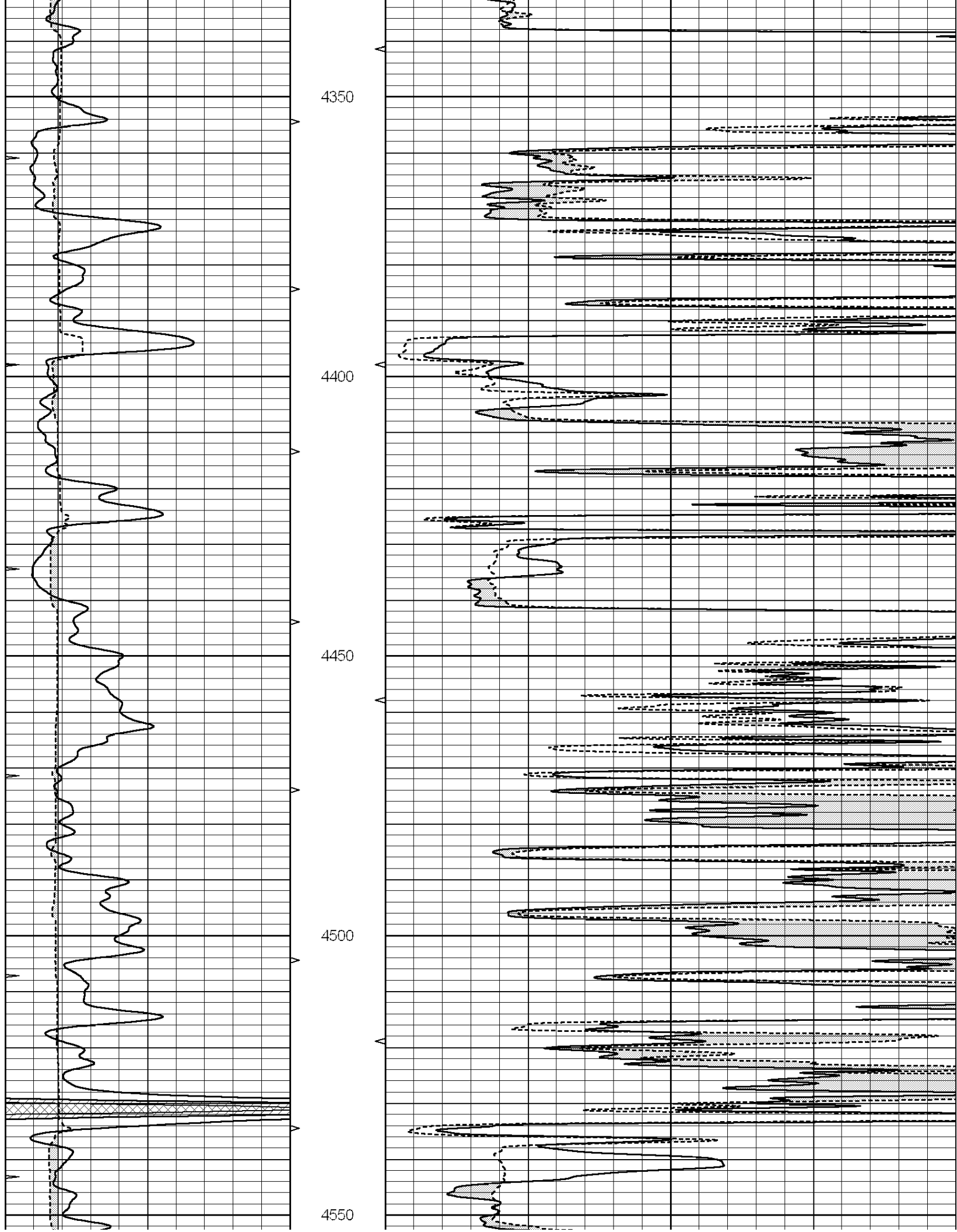
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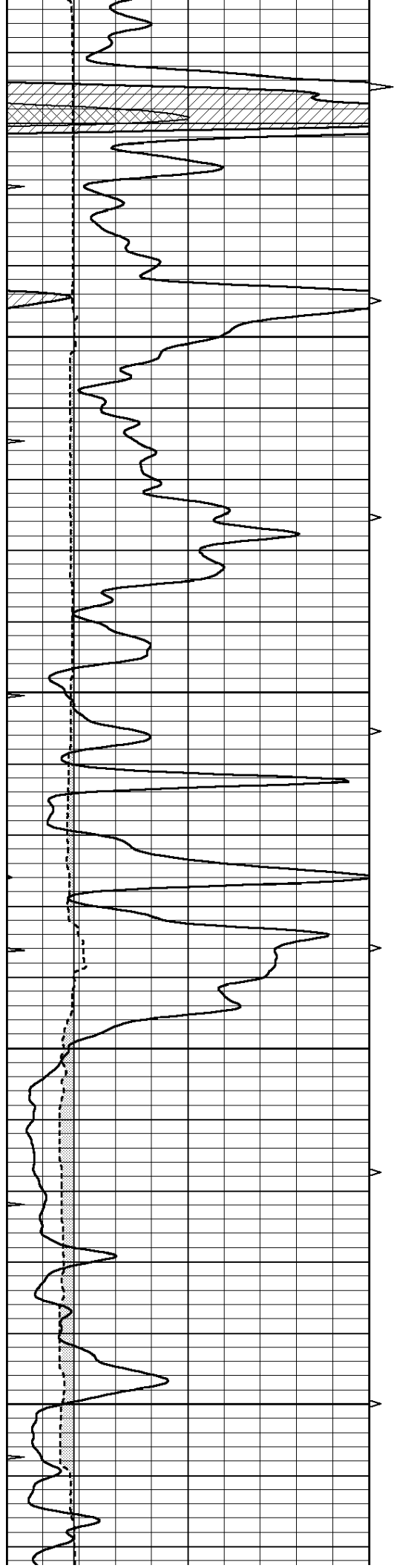
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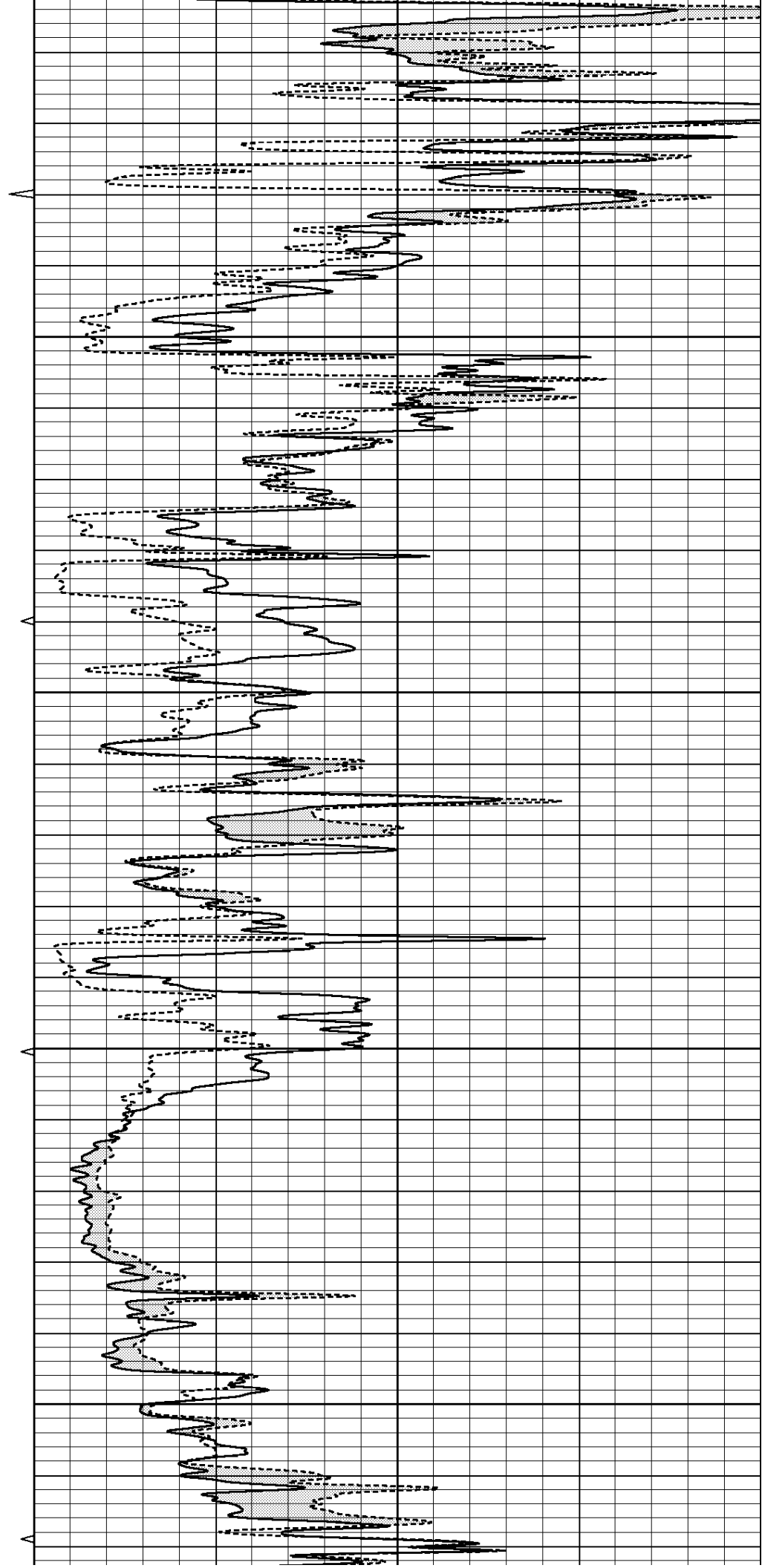


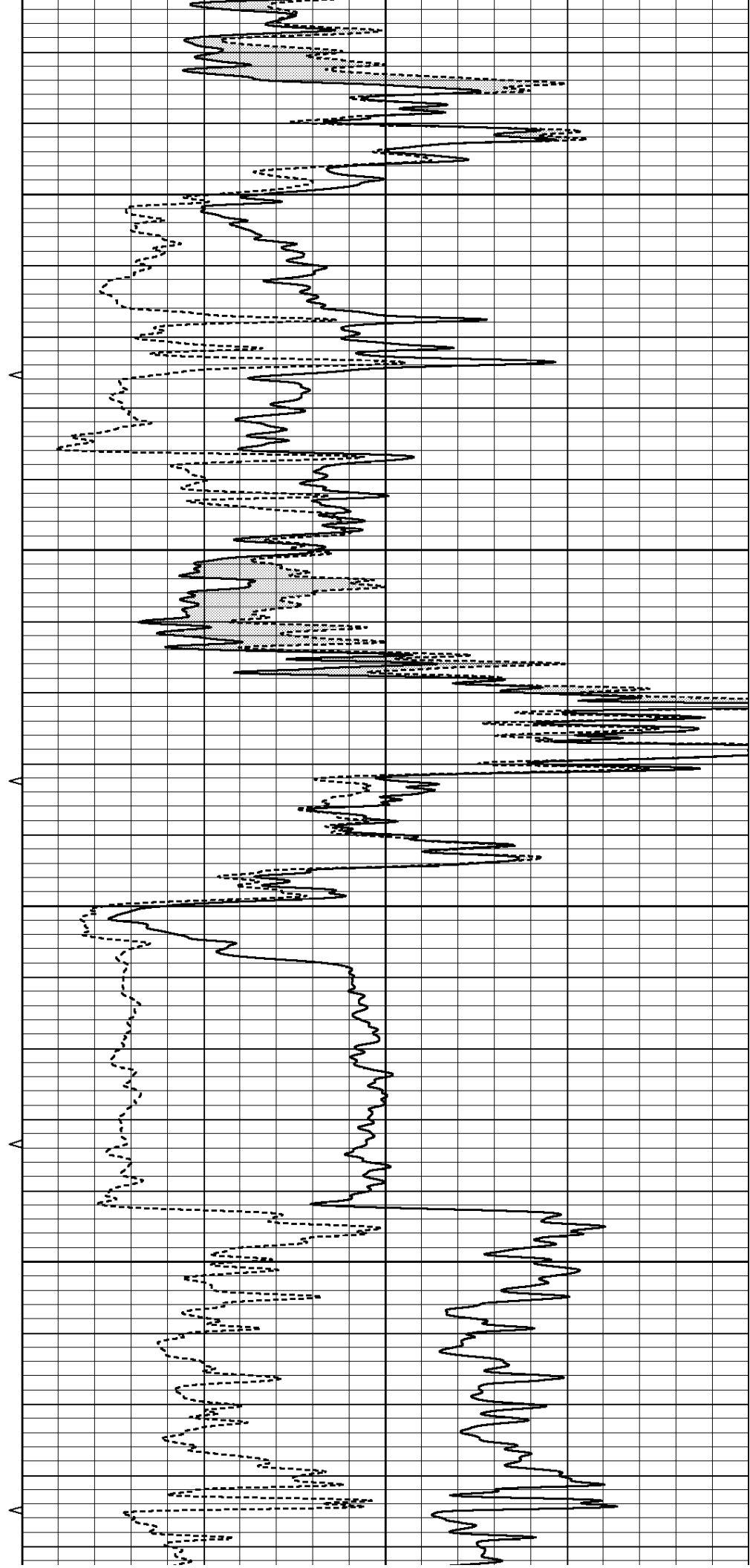
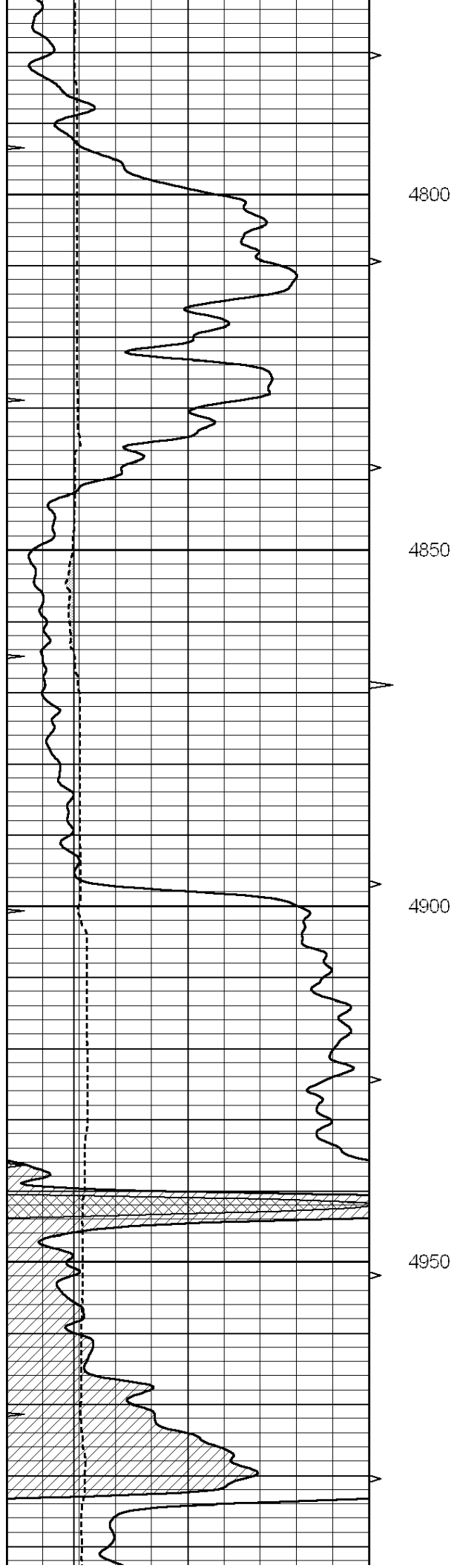
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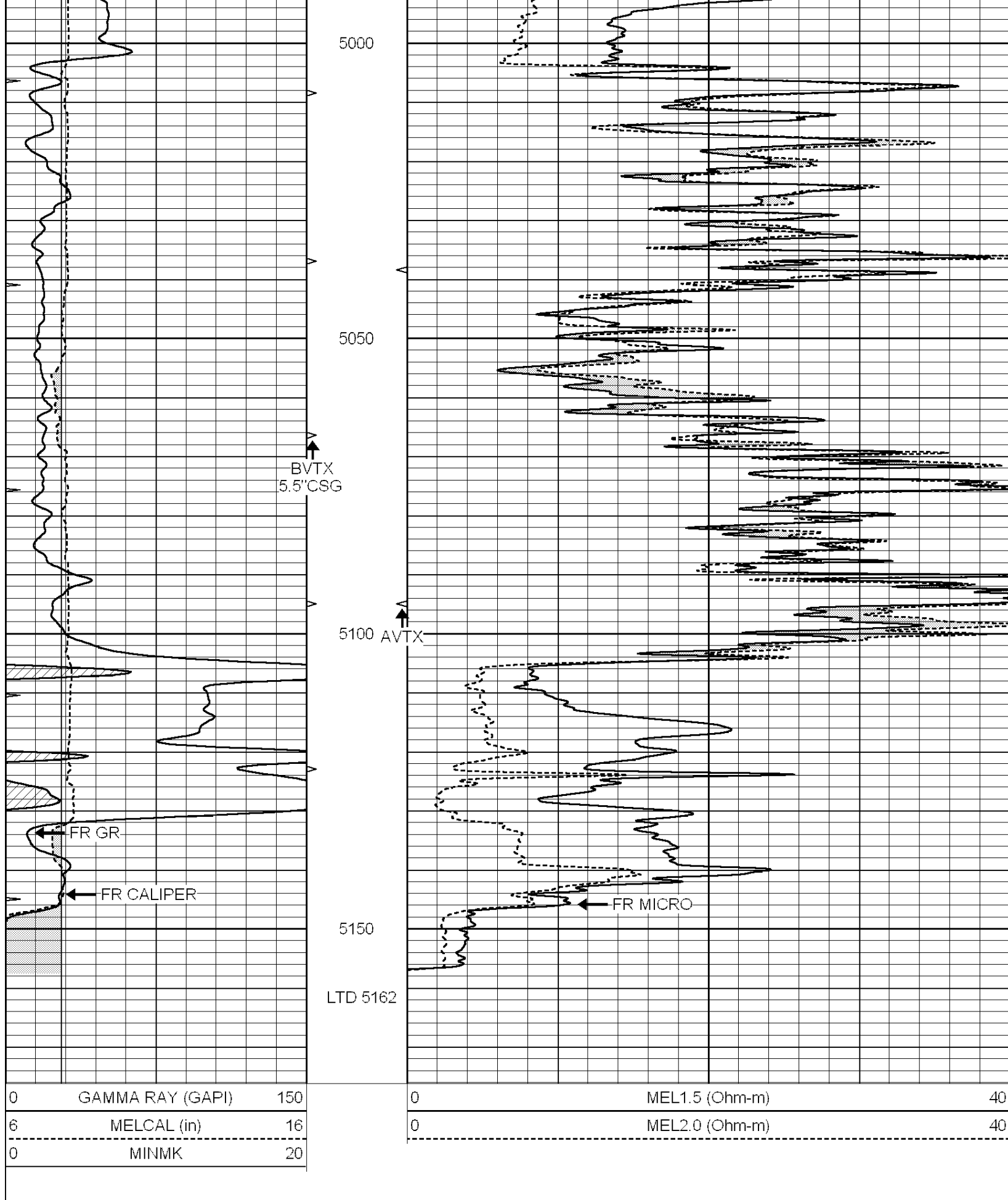
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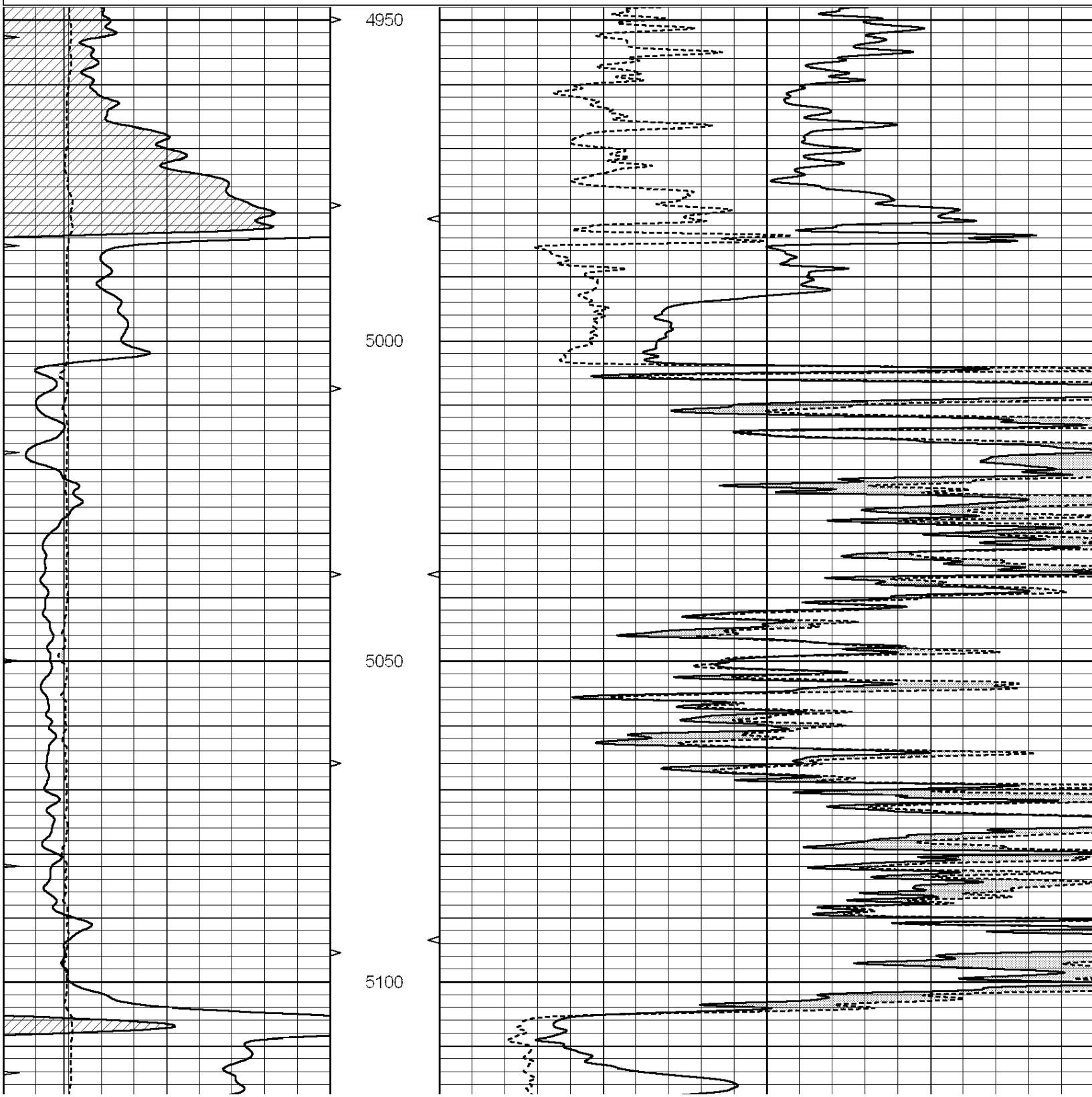


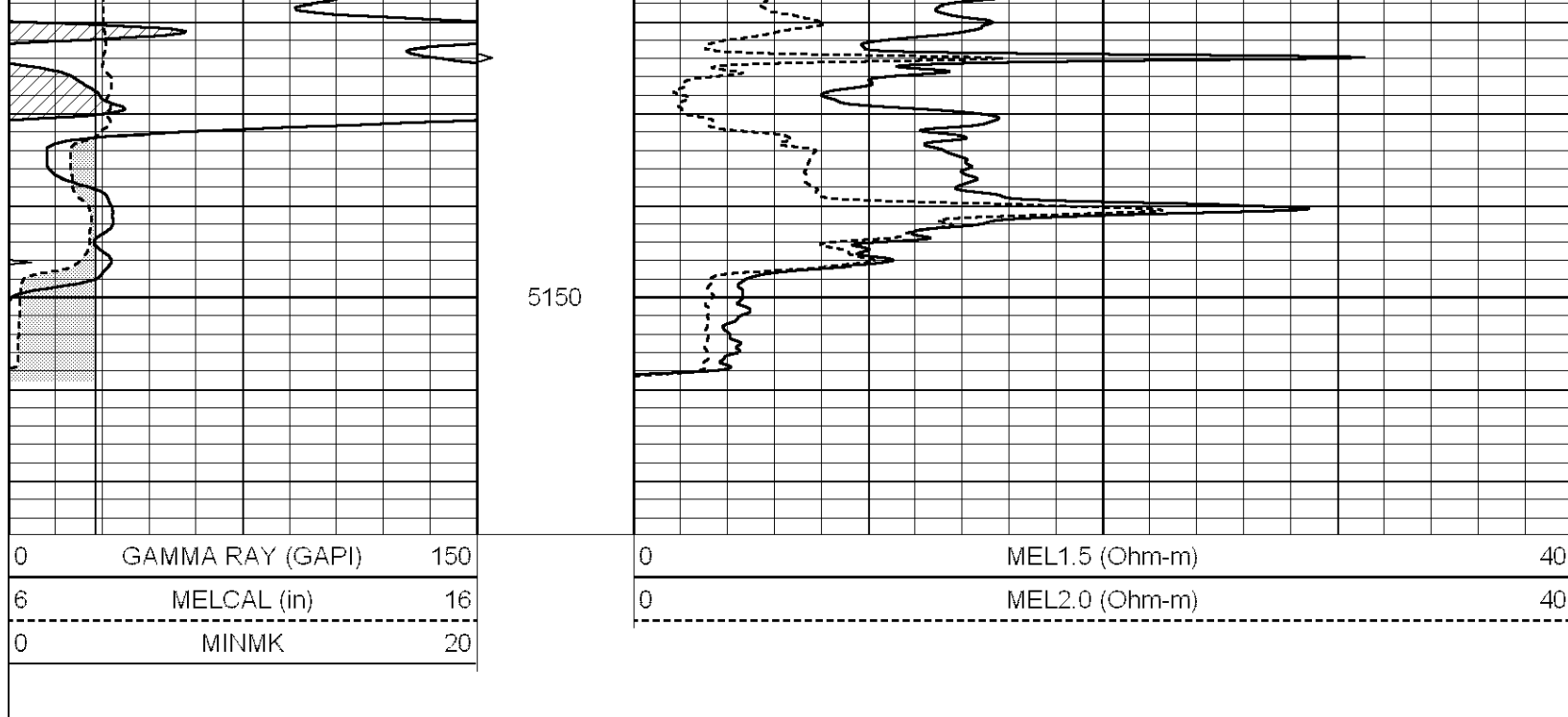


Database File: 22210pe.db
Dataset Pathname: pass9.3
Presentation Format: _micro
Dataset Creation: Tue Jan 07 02:27:18 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





Calibration Report

Database File: 22210pe.db
 Dataset Pathname: pass10.3
 Dataset Creation: Tue Jan 07 03:27:14 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	2	
Tool Model:	ProbeL	
Performed:	Sat Jan 04 14:32:57 2014	
Caliper Calibration:	Gain=6.446	Offset=-2.900
References	Low Cal	High Cal
Readings	7.400	16.000
	1.731	3.065
1.5" Calibration:	Gain=42.000	Offset=-2.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.015	0.458
2" Calibration:	Gain=60.000	Offset=-1.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.003	0.384

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Sat Jan 04 14:32:47 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps
Sensitivity:	0.3400	GAPI/cps