SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company ATLAS OPERATING, LLC.
Well HOBBSIEFKIN #2-11
Field FALL CREEK
County SUMNER
State KANSAS

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Field FALL CREEK
County SUMNER State KANSAS

Location: API # : 15-191-22651-0000
2270' FSL & 1315' FWL
SE - NE - NW - SW
SEC 3 TWP 35S RGE 3W

Permanent Datum GROUND LEVEL Elevation 1139
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
PE/DIL

Elevation
K.B. 1149
D.F. 1147
G.L. 1139

Date	5/29/12		
Run Number	TWO		
Depth Driller	4990		
Depth Logger	4990		
Bottom Logged Interval	4988		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 393		
Casing Logger	393		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.6/58	CHLORIDES 12,000 PPM	
pH / Fluid Loss	9.0/20.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.32 @ 100F		
Rmf @ Meas. Temp	0.24 @ 100F		
Rmc @ Meas. Temp	0.38 @ 100F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.26 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	125F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	SAMAN SHARIFAIE	PAT 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.

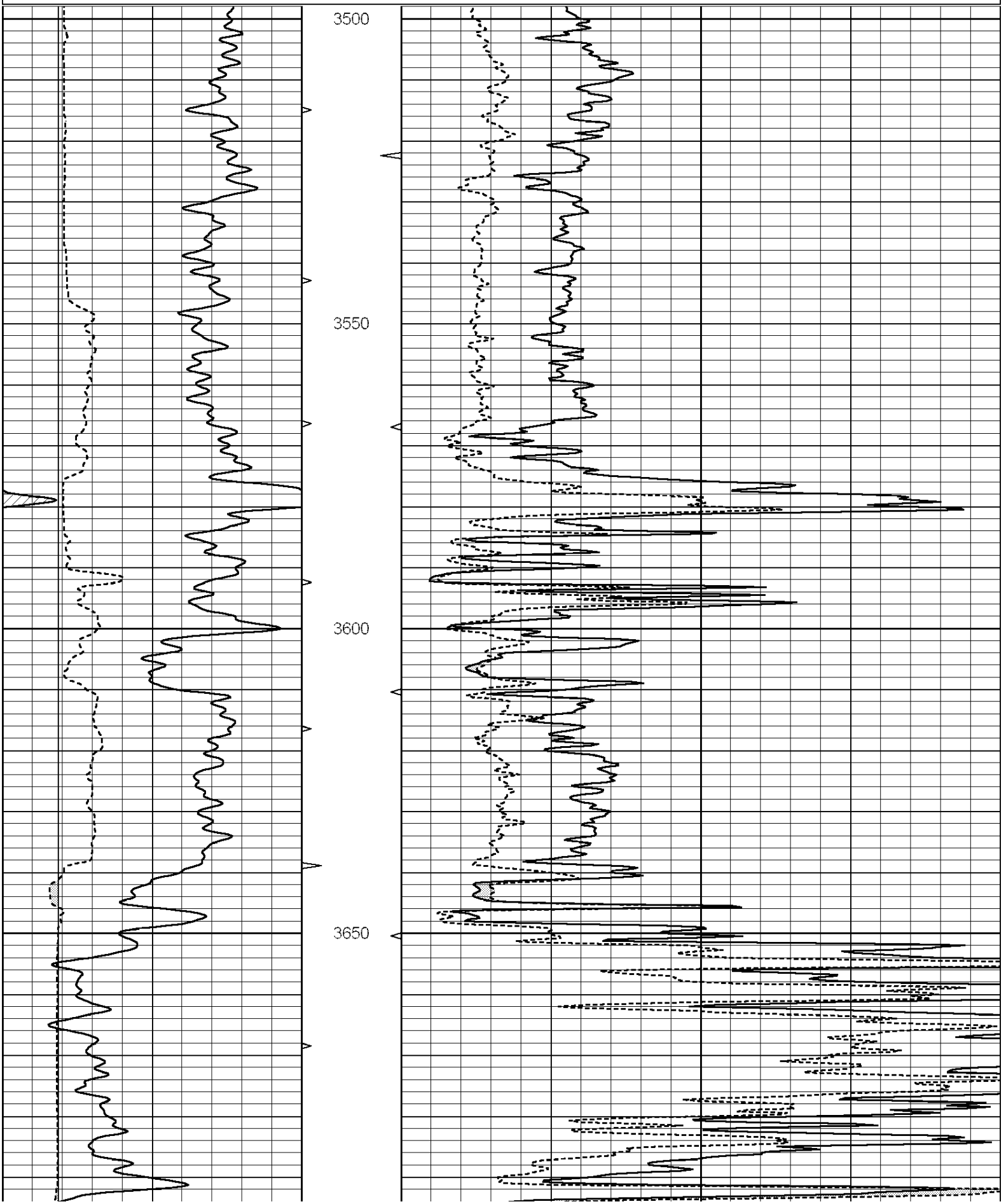
Comments

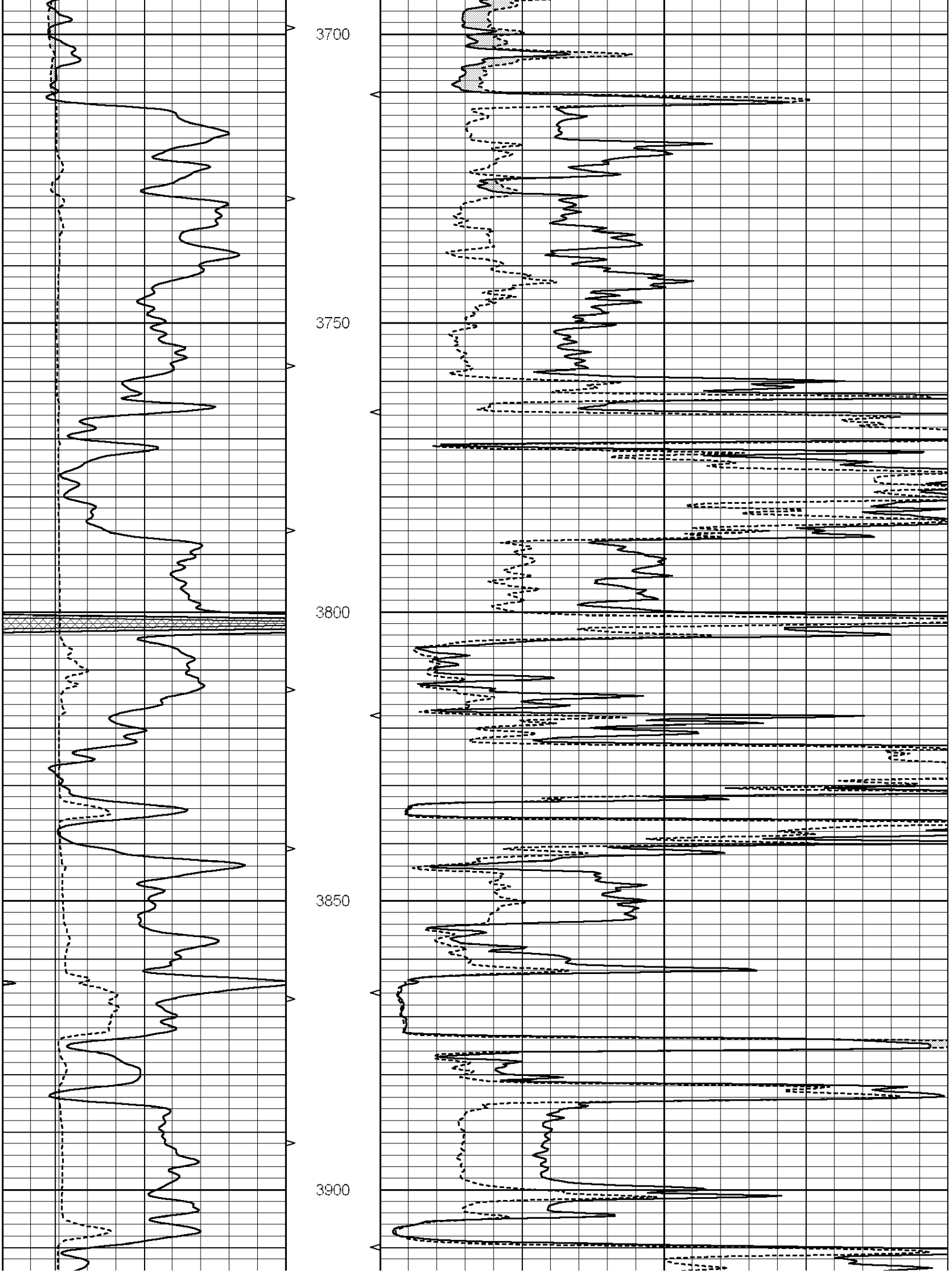
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
CALDWELL, KS INTERESCTION HWY 49 & 81 - 4 BLOCKS NORTH TO AVE E
1 MILE WEST FROM WEST EDGE OF TOWN - SOUTH INTO

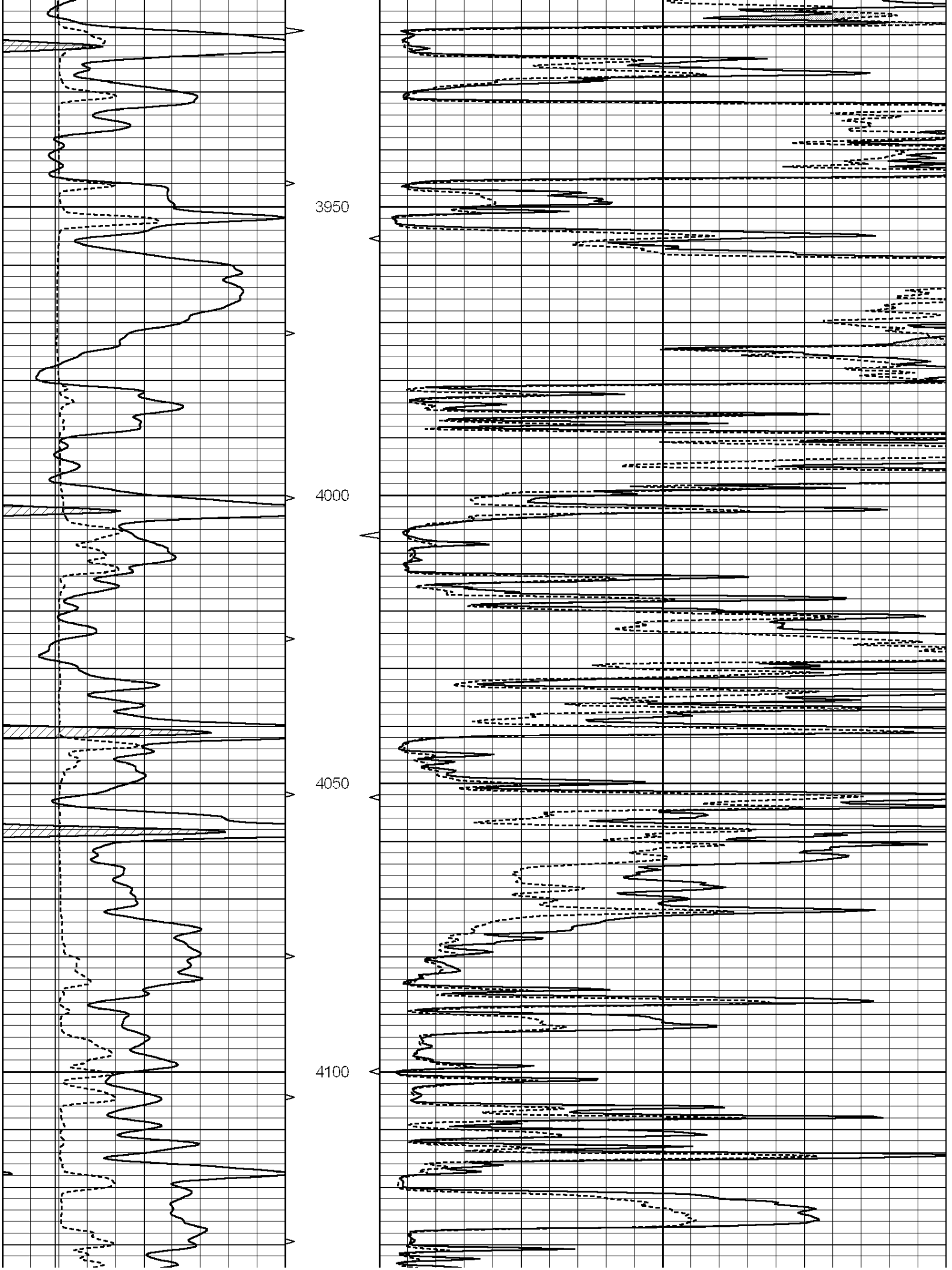
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Dataset Pathname: pass6
Presentation Format: _micro
Dataset Creation: Tue May 29 22:55:45 2012 by Log Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

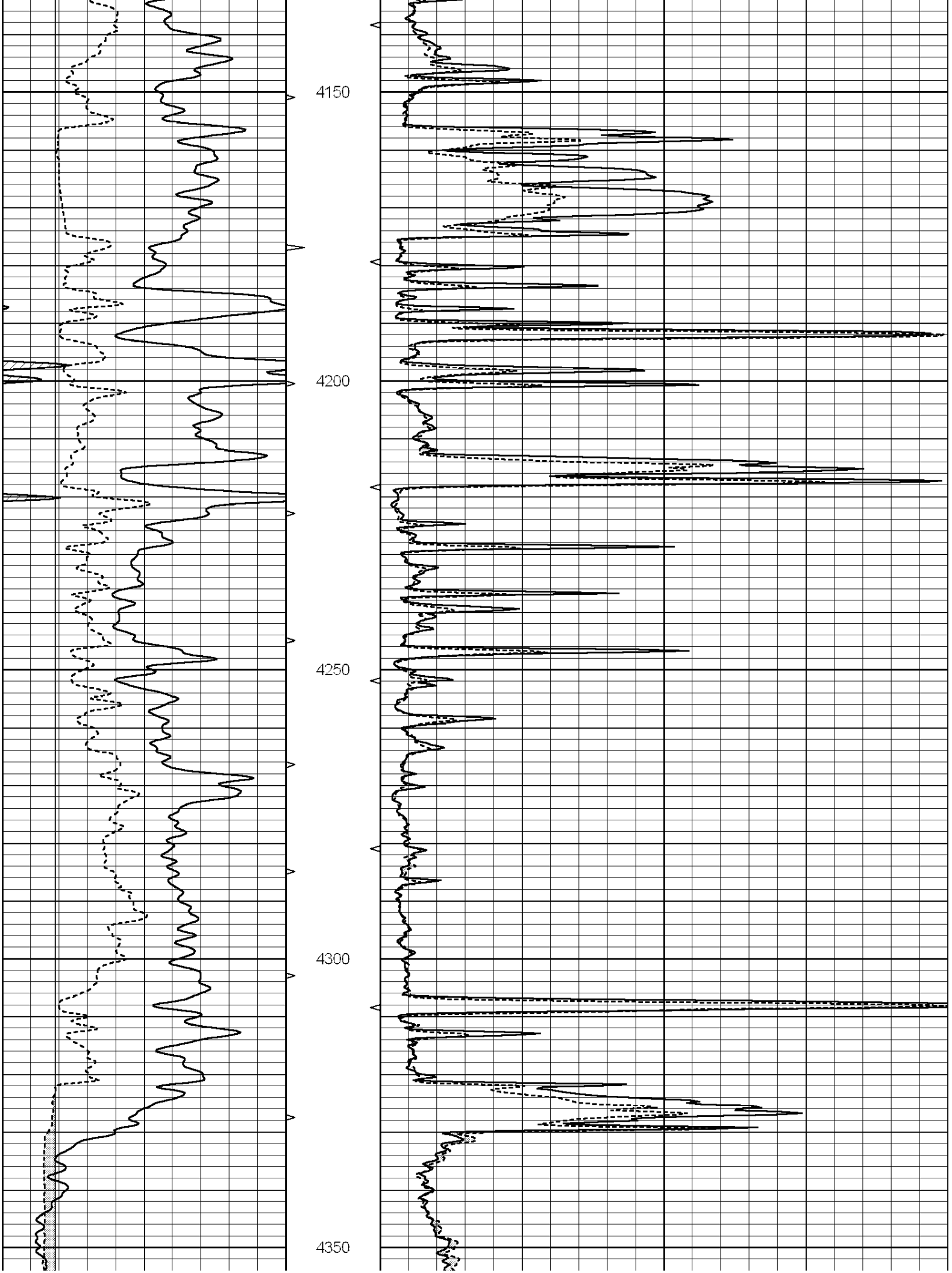
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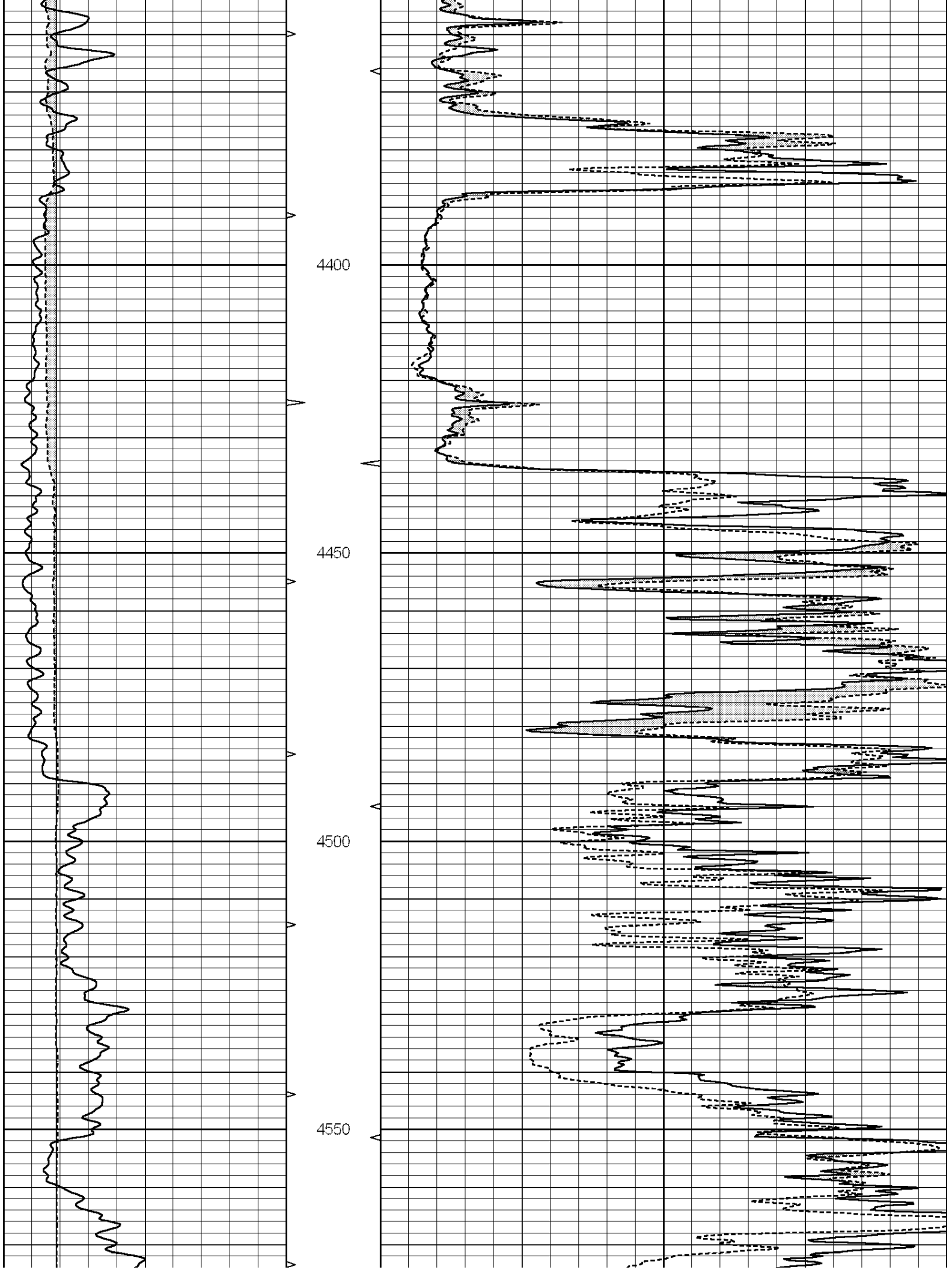
0 GAMMA RAY (GAPI) 150	ABHV	0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16	10 (ft3) 0	0 MEL2.0 (Ohm-m) 40
	TBHV	
	0 (ft3) 10	

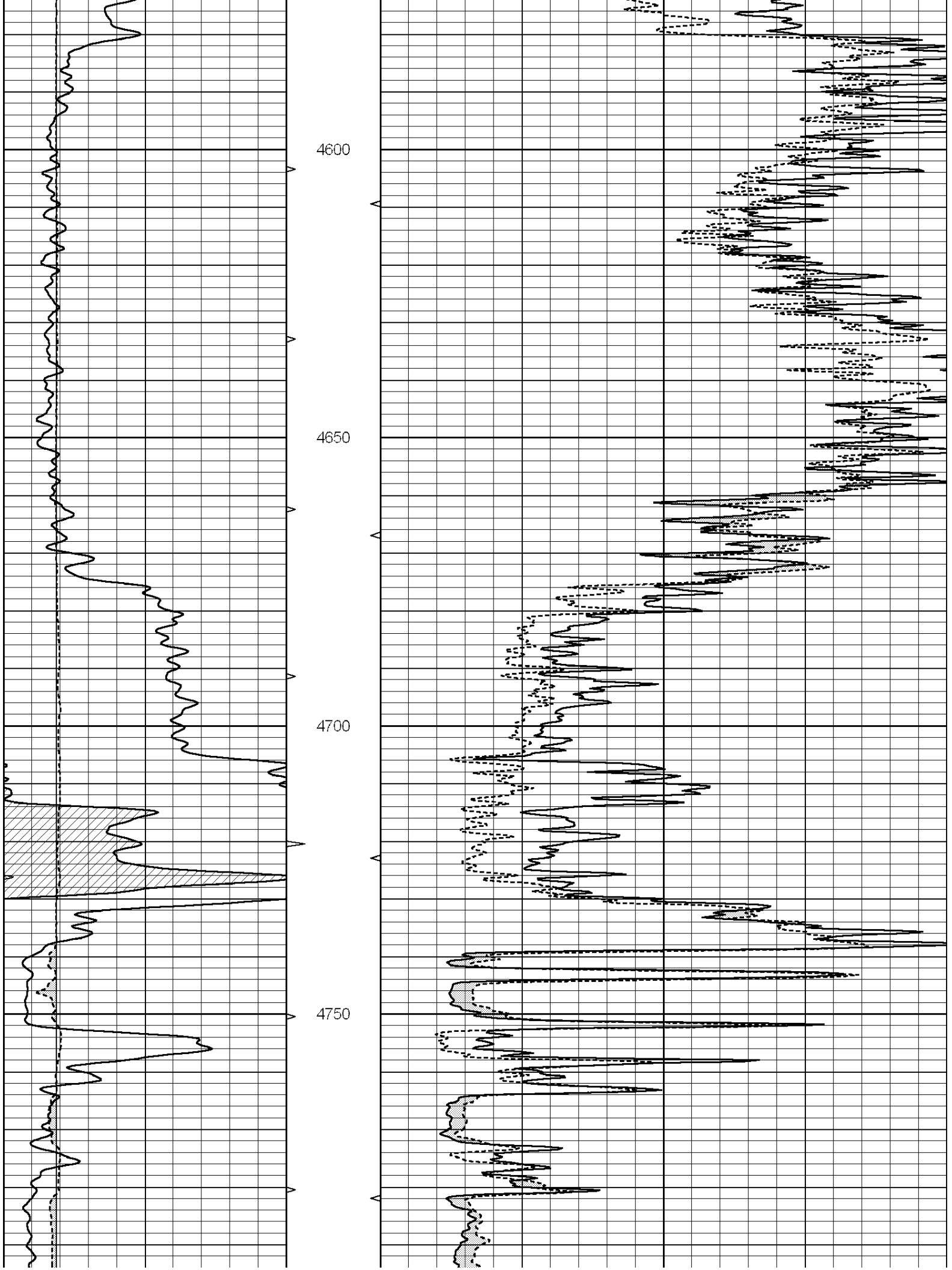


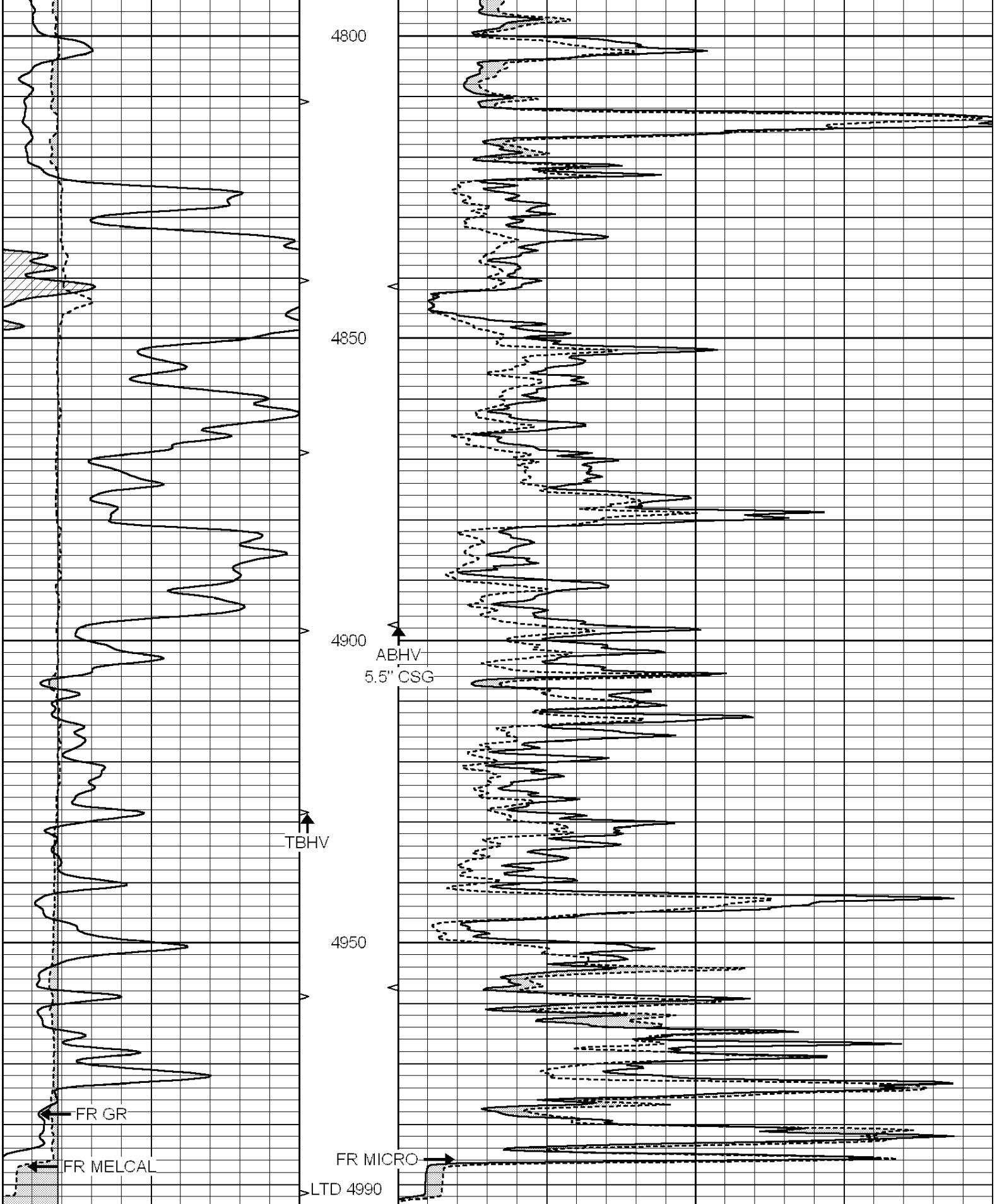

3700
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4600
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4800
4850
4900
4950
ABHV
5.5" CSG
TBHV
FR GR
FR MELCAL
FR MICRO
LTD 4990
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL1.5 (Ohm-m) 40
0 MEL2.0 (Ohm-m) 40

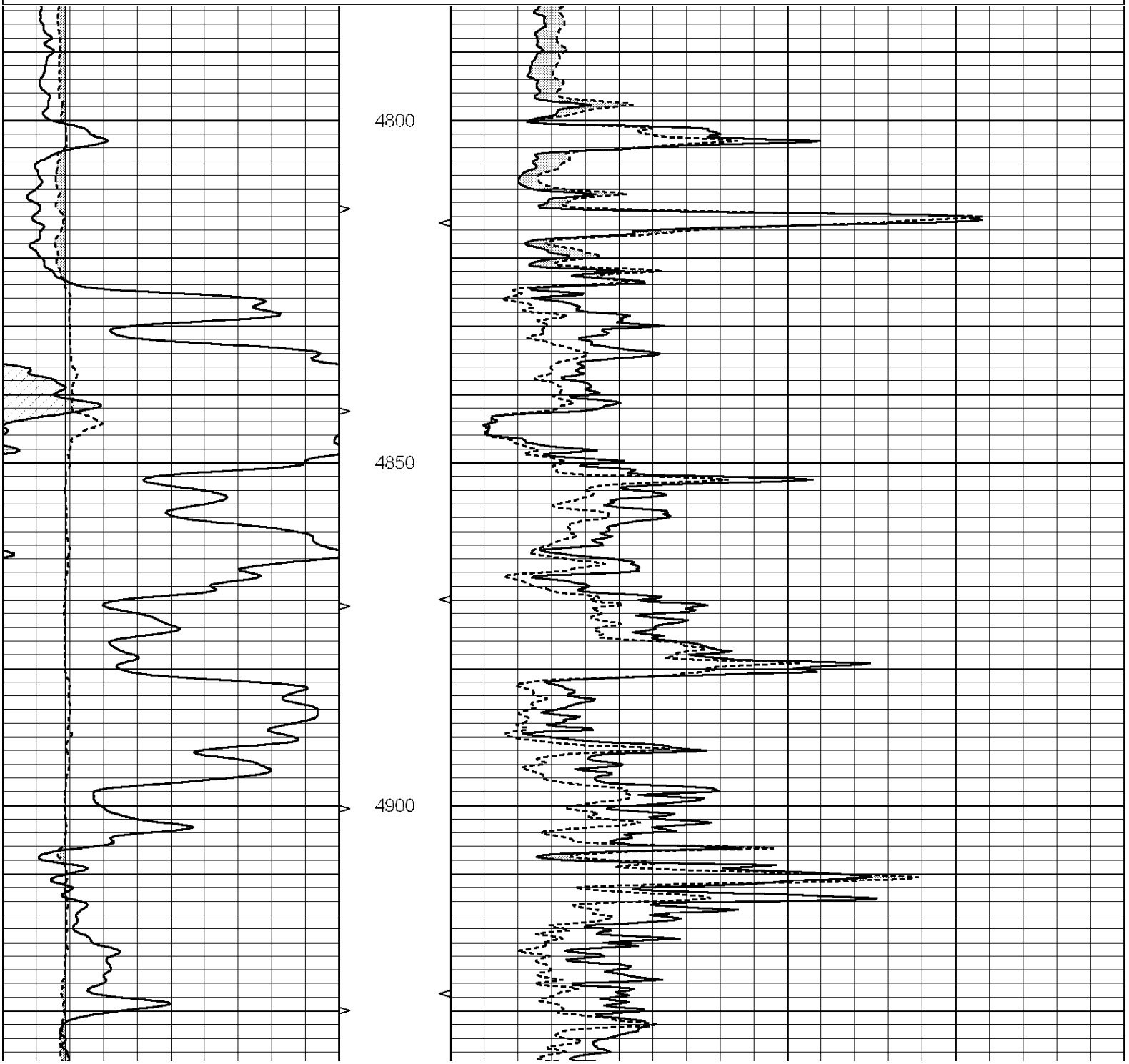
SUPERIOR
WELL SERVICES

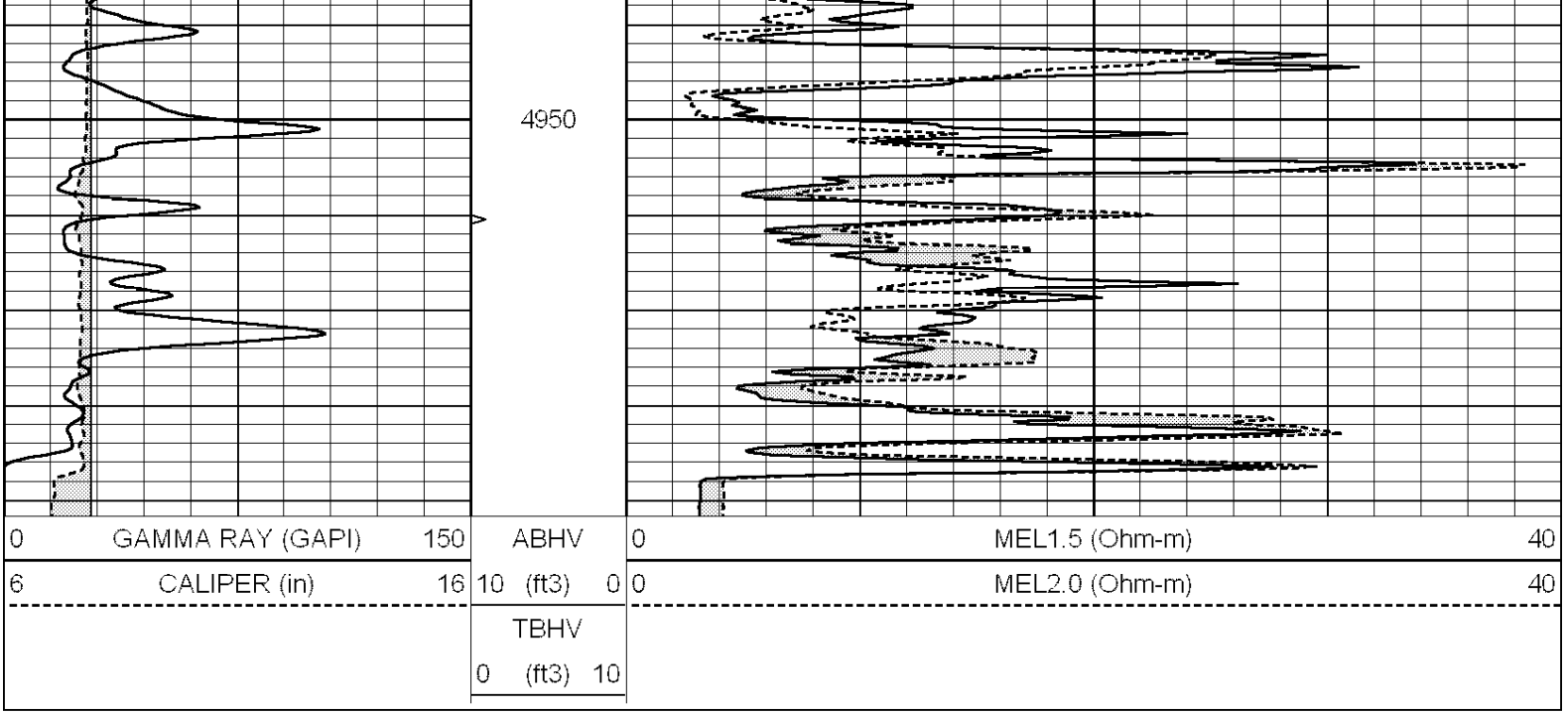
SUPERIOR
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Kansas

REPEAT SECTION

Database File:	009209pe.db
Dataset Pathname:	pass5
Presentation Format:	_micro
Dataset Creation:	Tue May 29 22:45:05 2012 by Log 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		0	MEL2.0 (Ohm-m) 40
		TBHV			
		0 (ft3) 10			





Calibration Report

Database File: 009209pe.db
Dataset Pathname: pass6
Dataset Creation: Tue May 29 22:55:45 2012 by Log Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Wed May 23 05:16:50 2012	
Caliper Calibration:	Gain=6.253	Offset=-1.308
	Low Cal	High Cal
References	5.800	13.000
Readings	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=-0.200
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=30.041	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps