



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	RAYMOND OIL COMPANY		
Well	#3 MICHAELIS		
Field			
County	LOGAN	State	KANSAS
Location:	AP1 # : 15-109-21322-0000		Other Services CDL/CNL DIL
2238' FNL & 835' FWL			
SEC 3 TWP 14S RGE 32W			
Permanent Datum	GROUND LEVEL		Elevation 2873.5
Log Measured From	KELLY BUSHING		11.5' A.G.L.
Drilling Measured From	KELLY BUSHING		
Date	8/12/14		
Run Number	TWO		
Depth Driller	4700		
Depth Logger	4700		
Bottom Logged Interval	4698		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 265		
Casing Logger	260		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	6800 PPM
Density / Viscosity	9.4/67		
pH / Fluid Loss	10.5/10.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 98F		
Rmt @ Meas. Temp	.56 @ 98F		
Rmc @ Meas. Temp	.90 @ 98F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.60 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KEVIN KESSLER		

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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 NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
OAKLEY, KS. - 16 SOUTH - 1 WEST - SOUTH & EAST INTO



NABORS
COMPLETION
& PRODUCTION

MAIN SECTION

Database File:

25850ddn.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

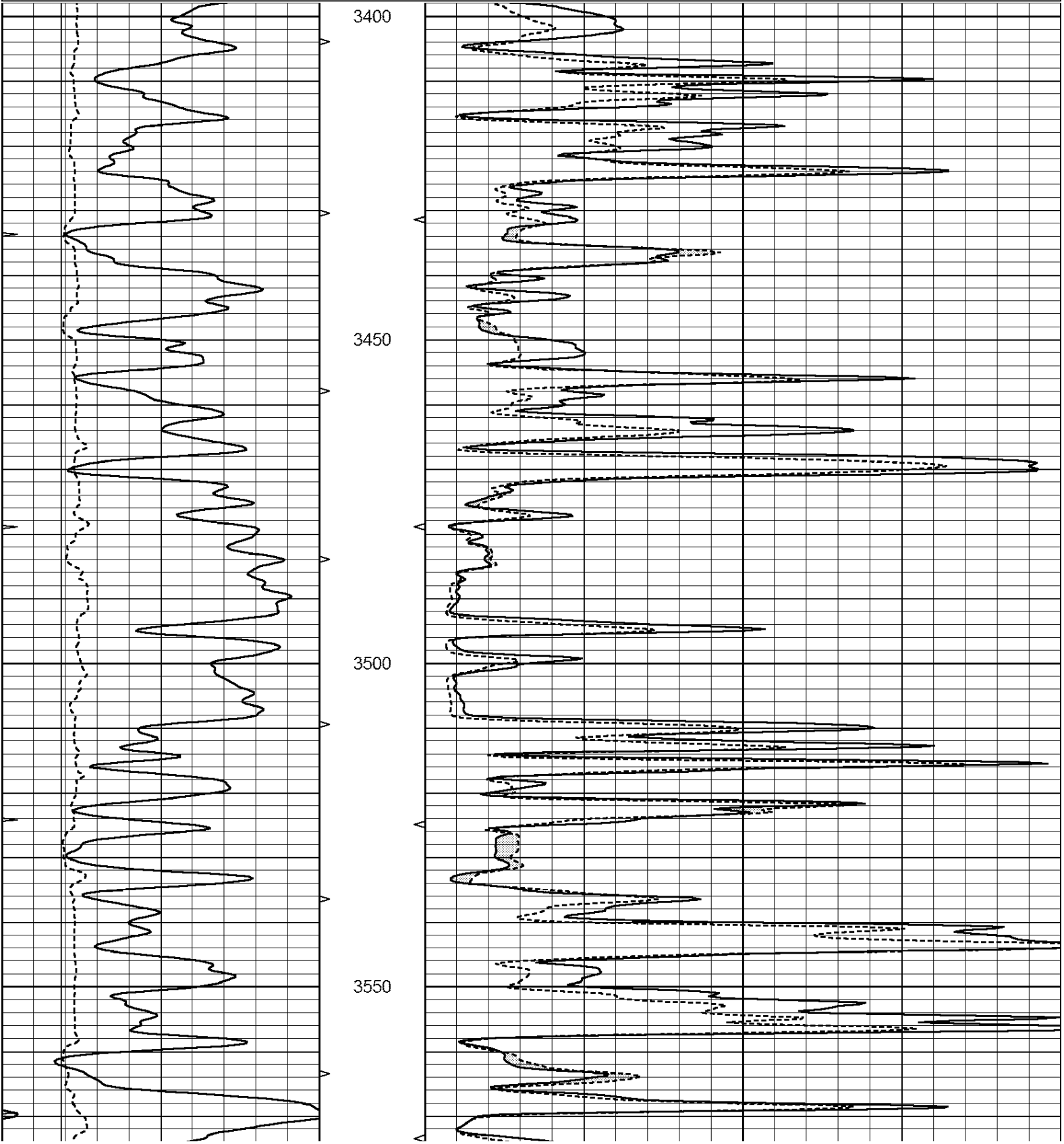
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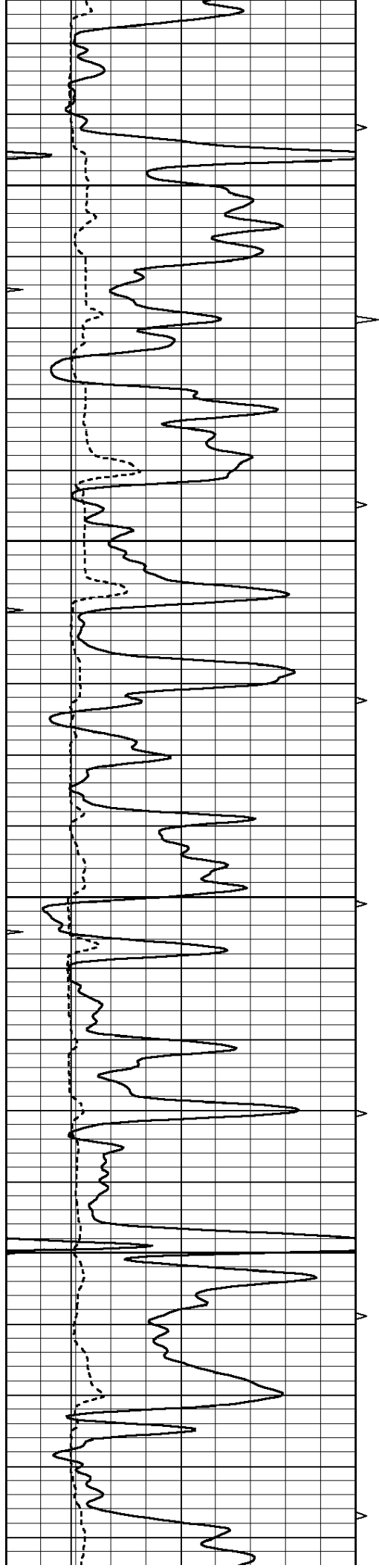
Tue Aug 12 18:40:06 2014 by Calc Open-Cased 090629

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 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



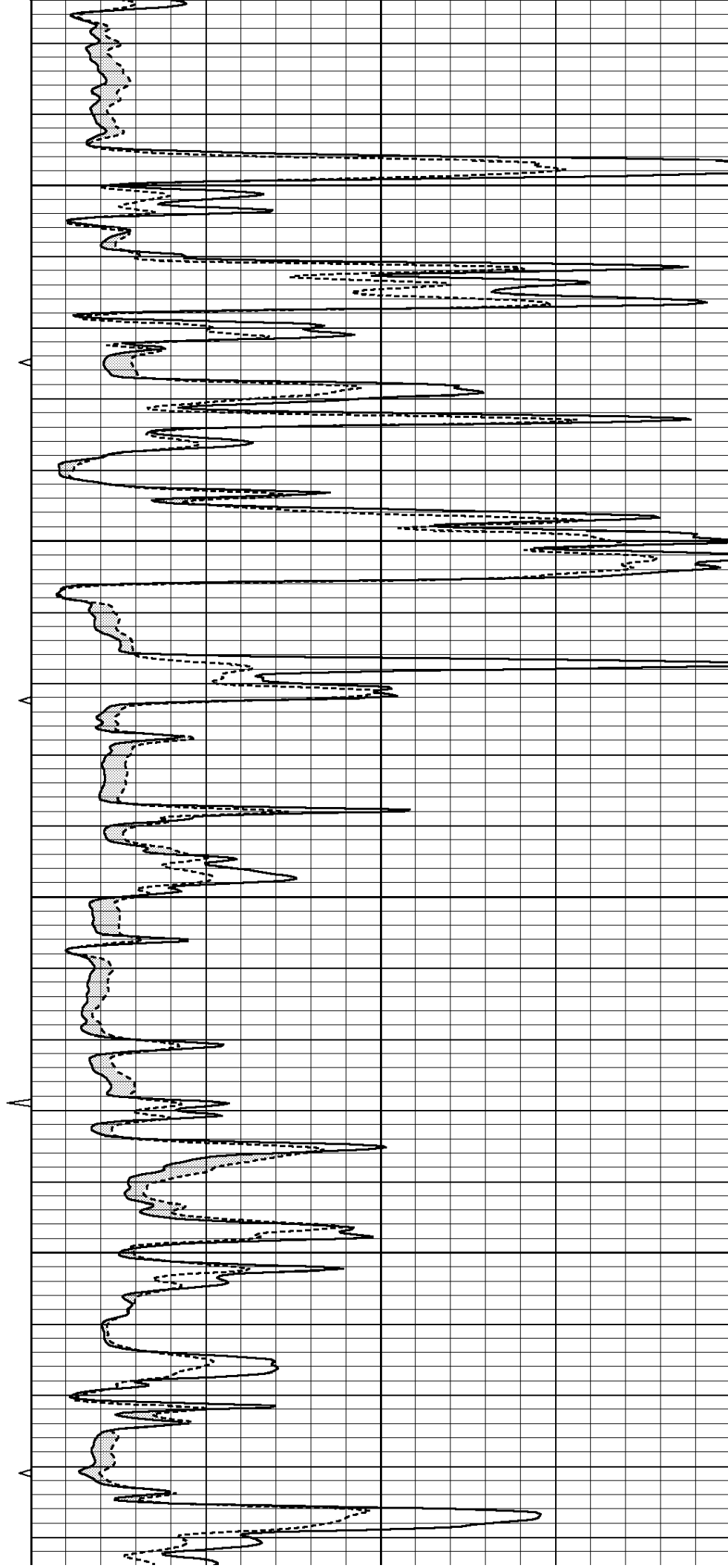


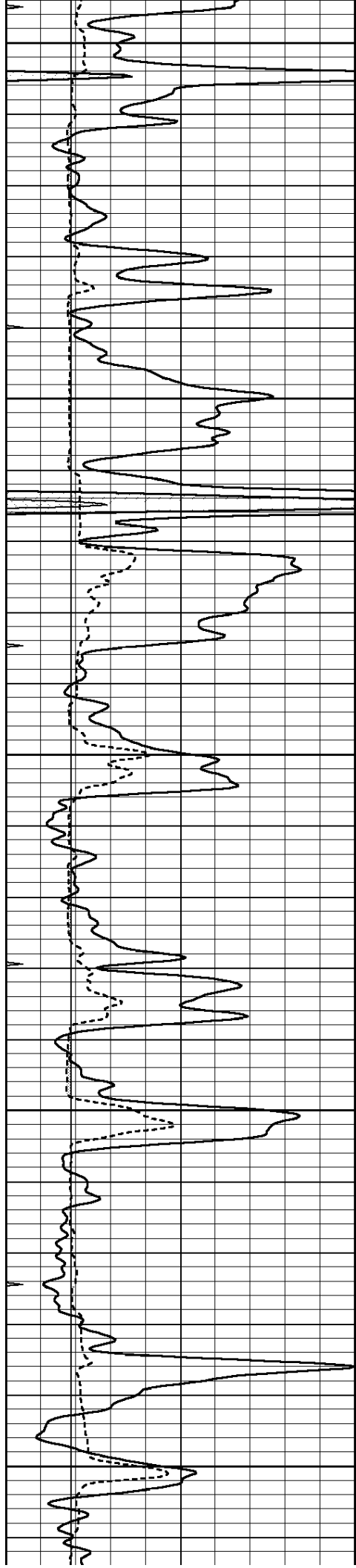
3600

3650

3700

3750





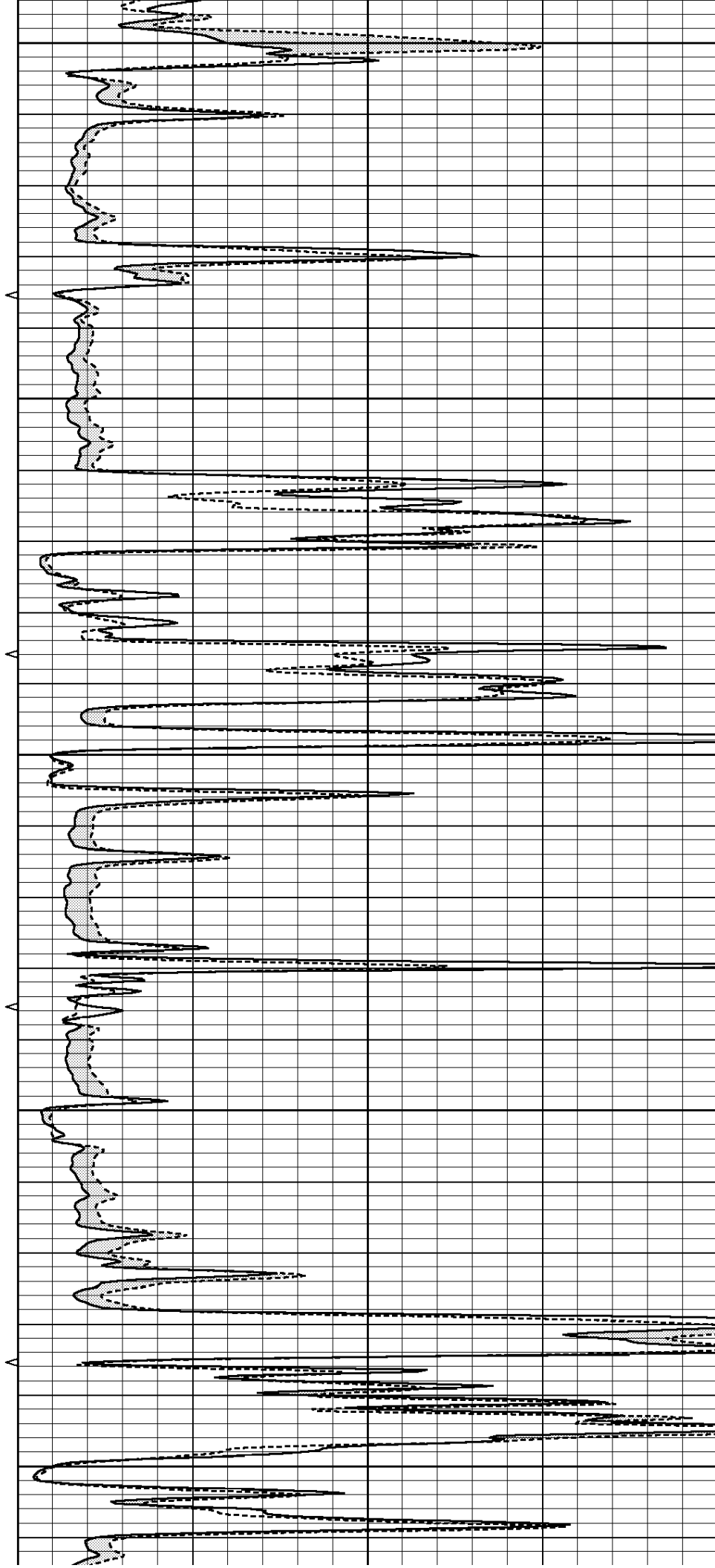
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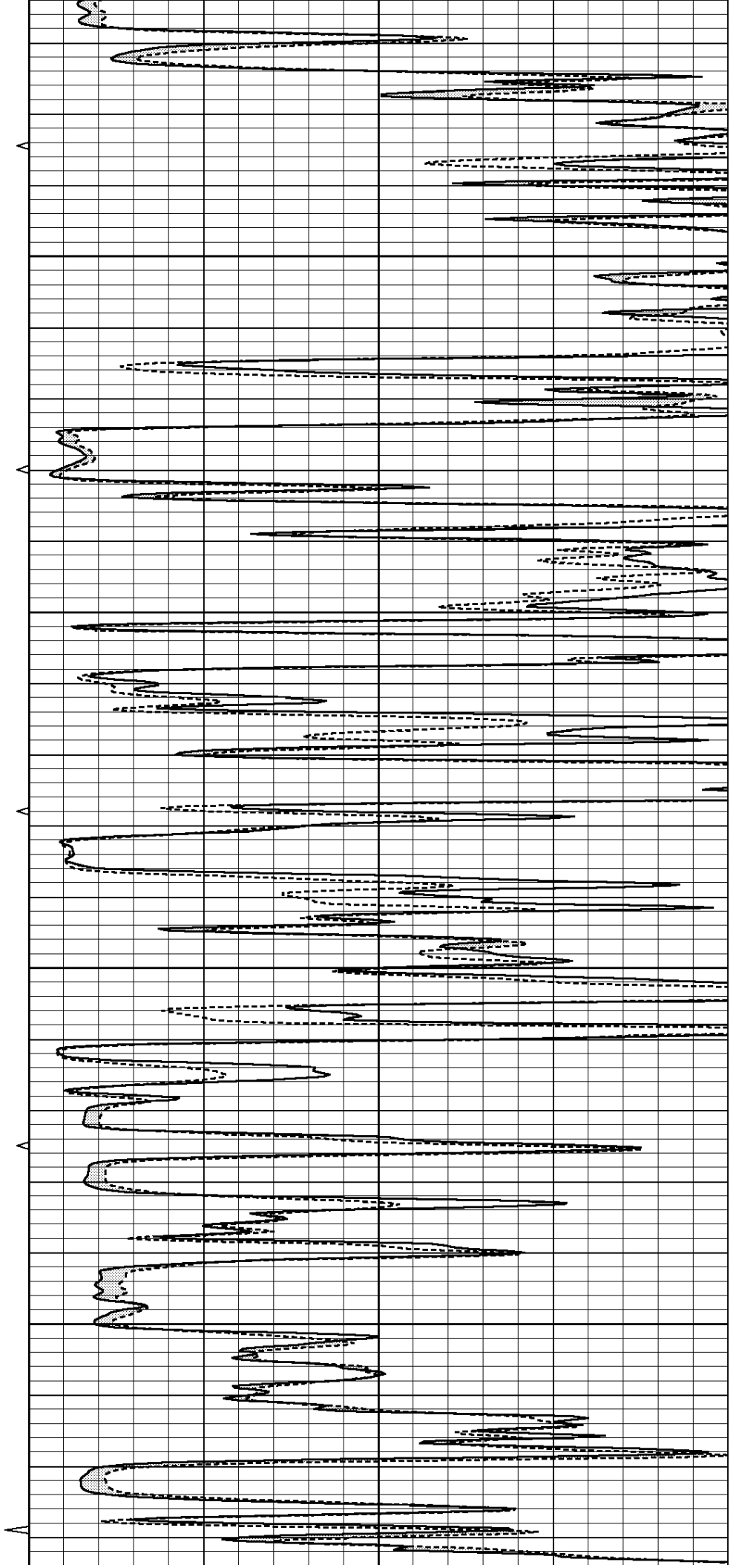
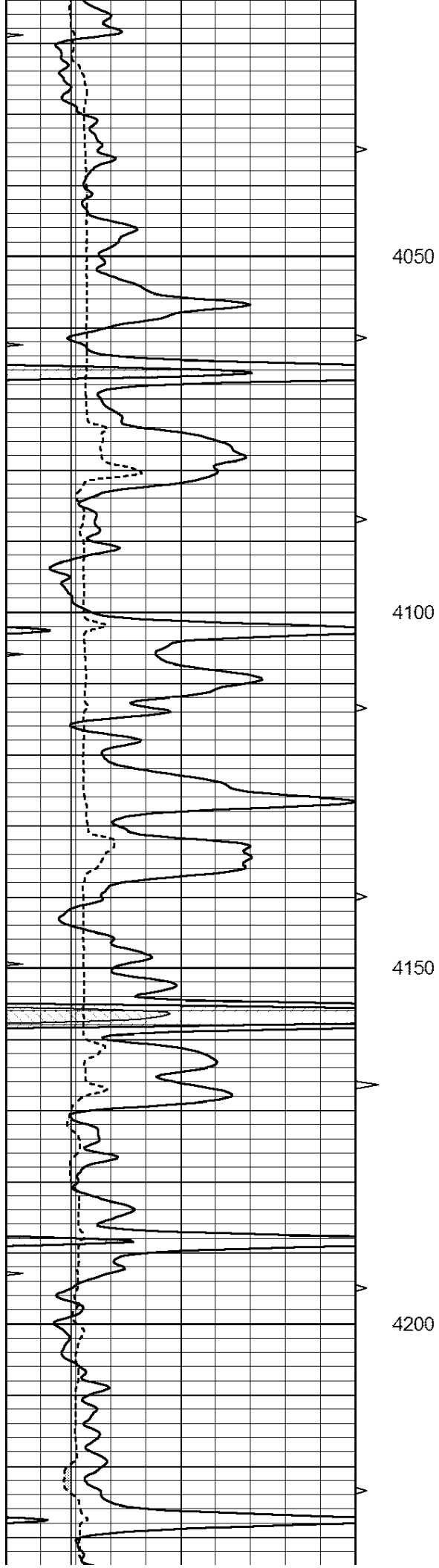
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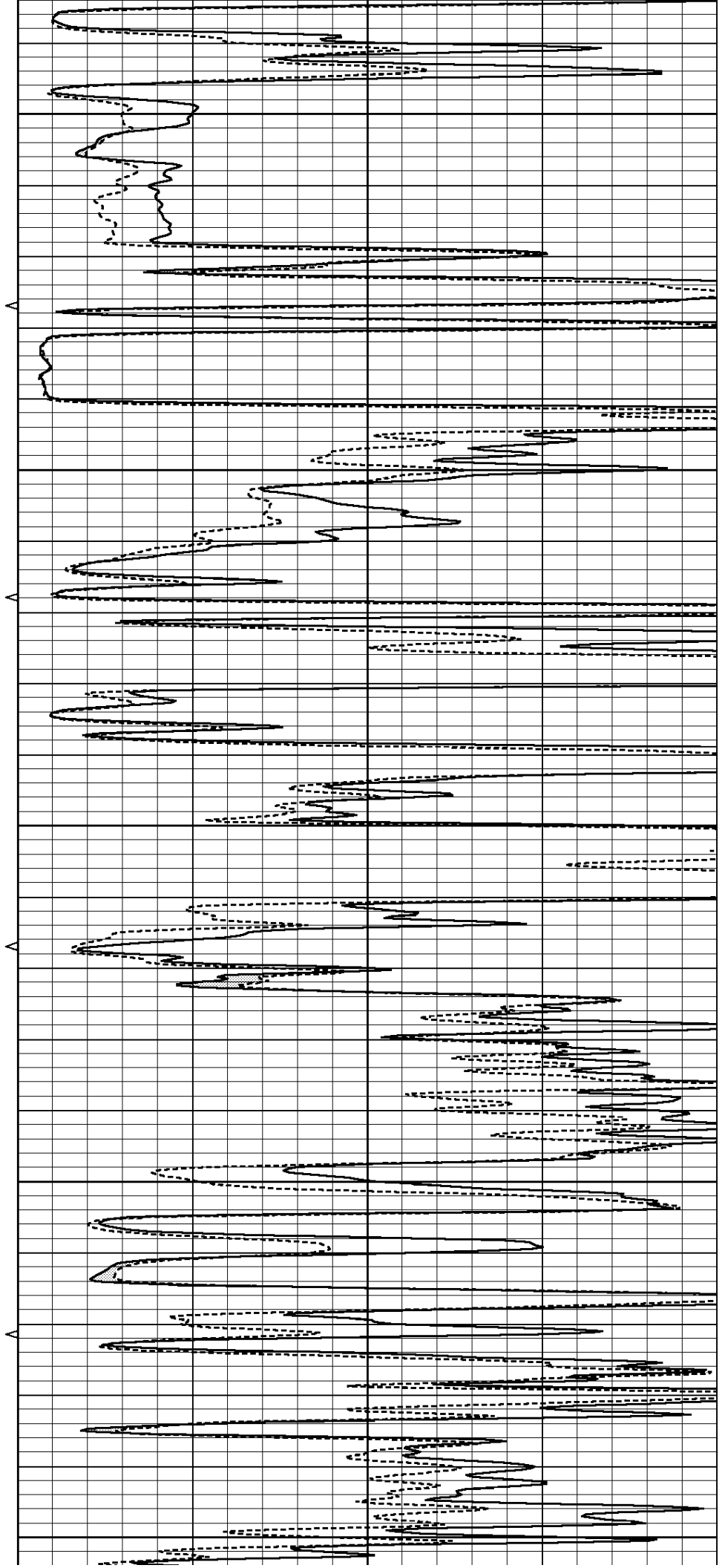
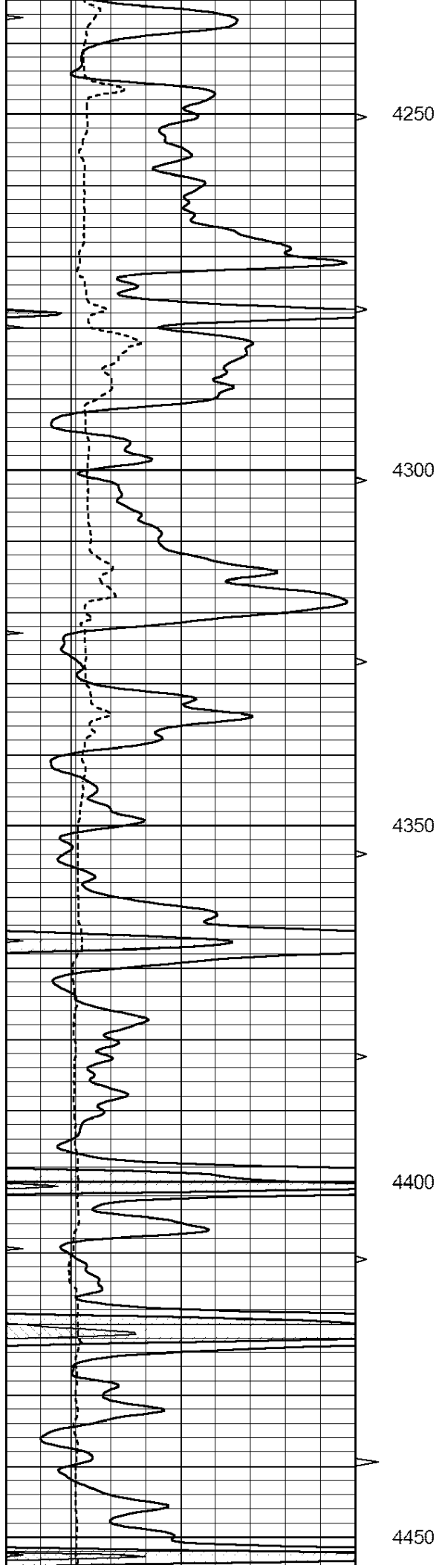
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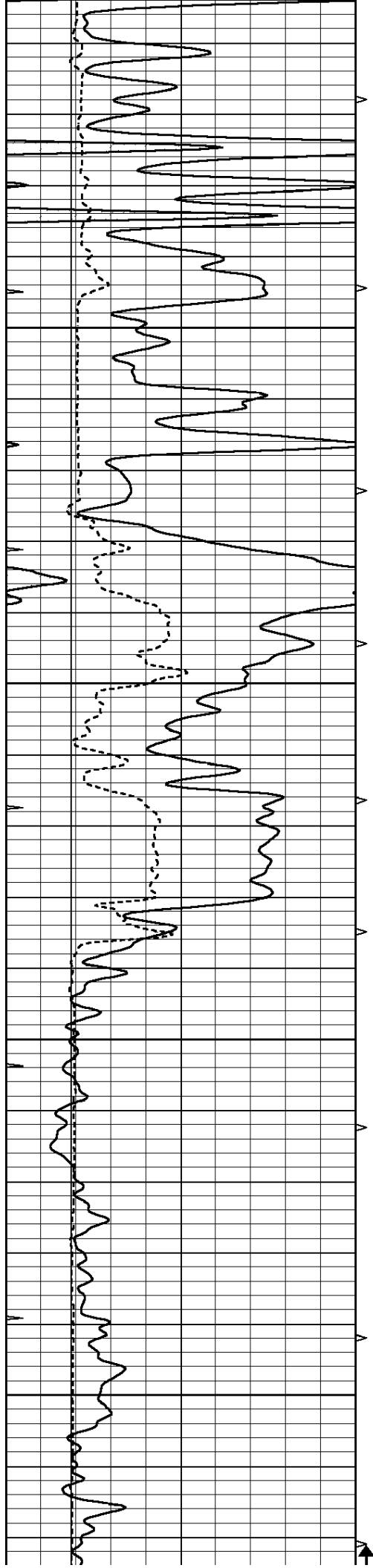
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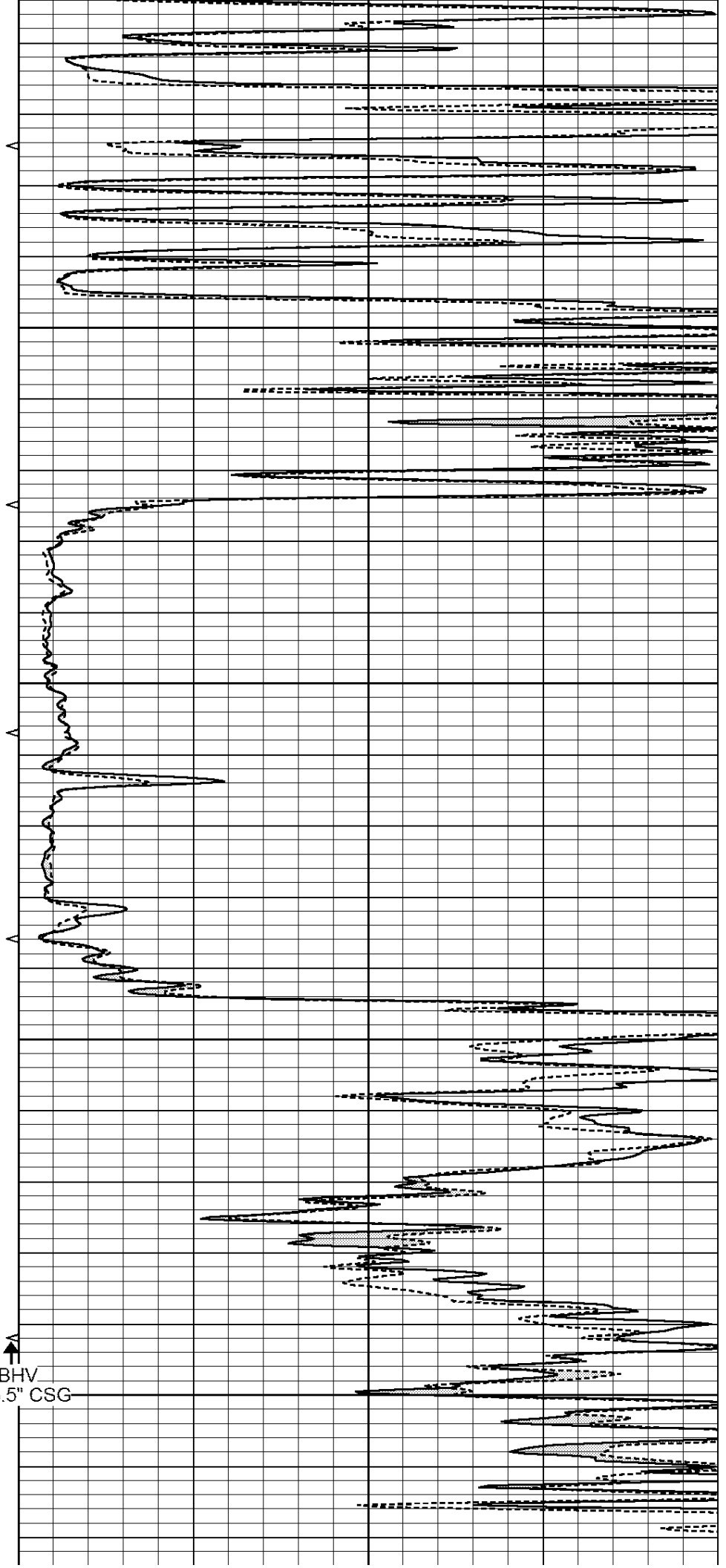


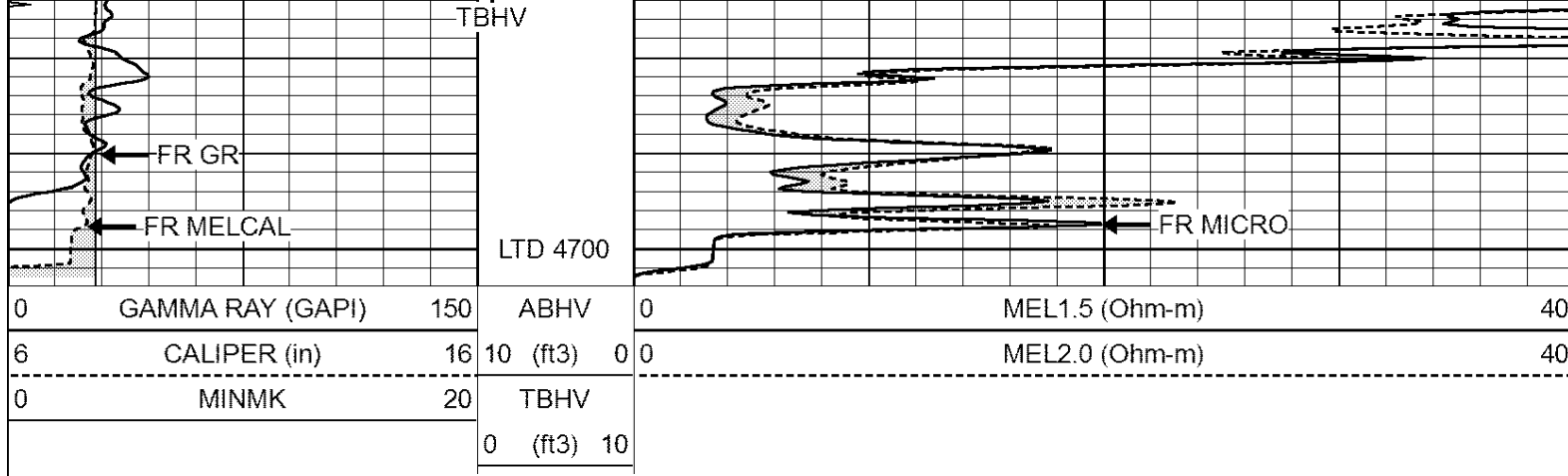
4500

4550

4600

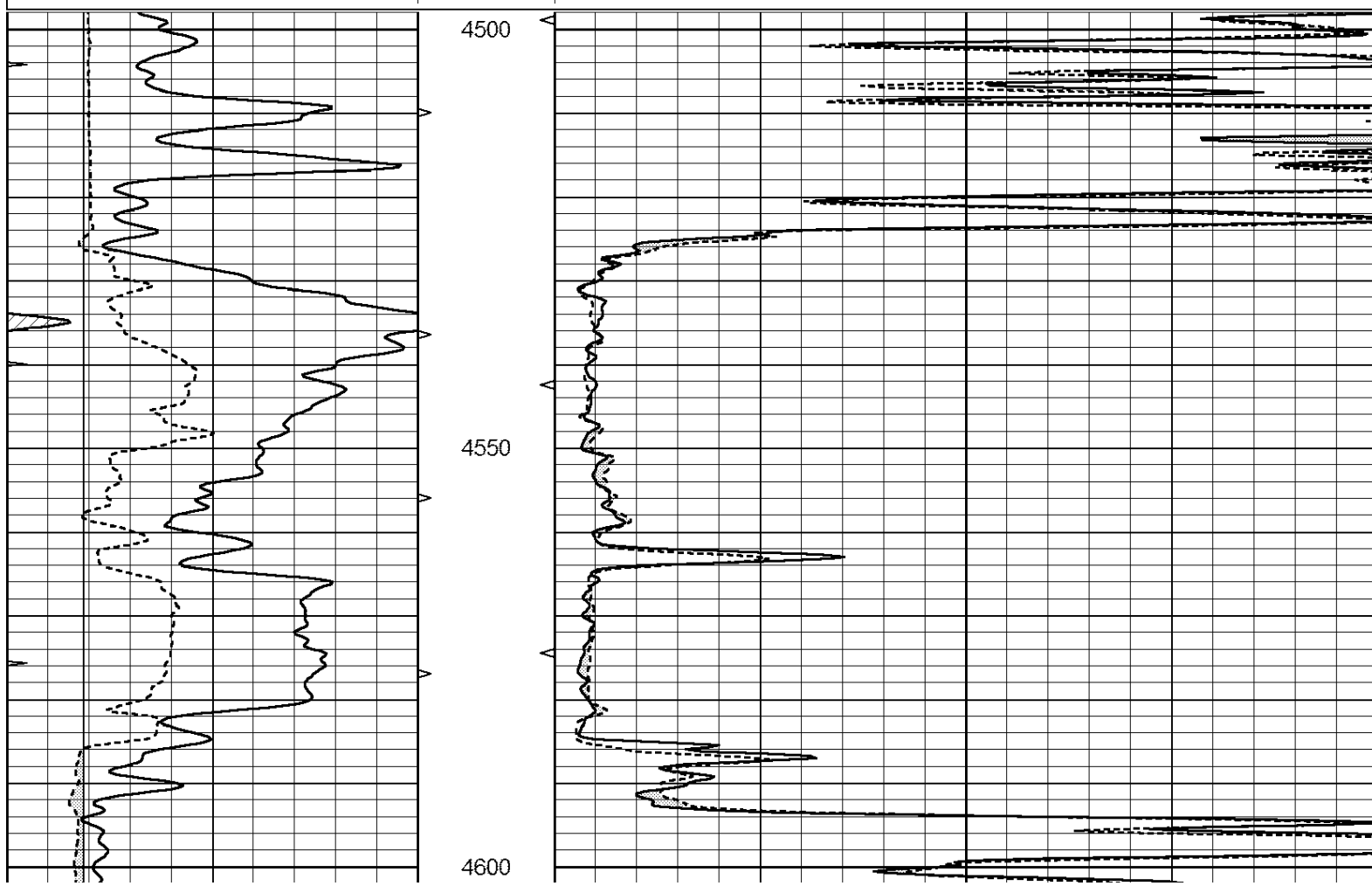
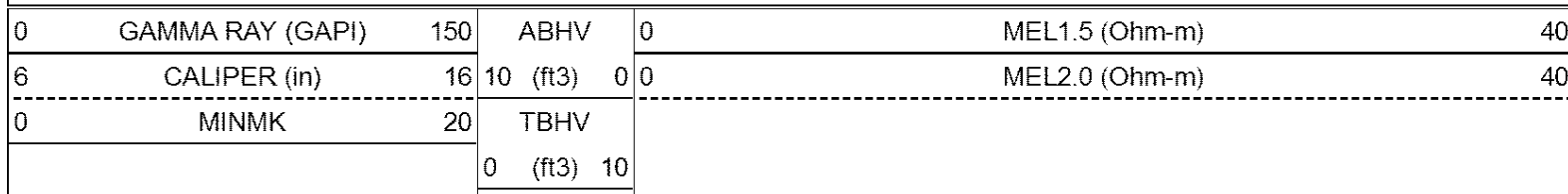
ABHV
4650 5.5" CSG

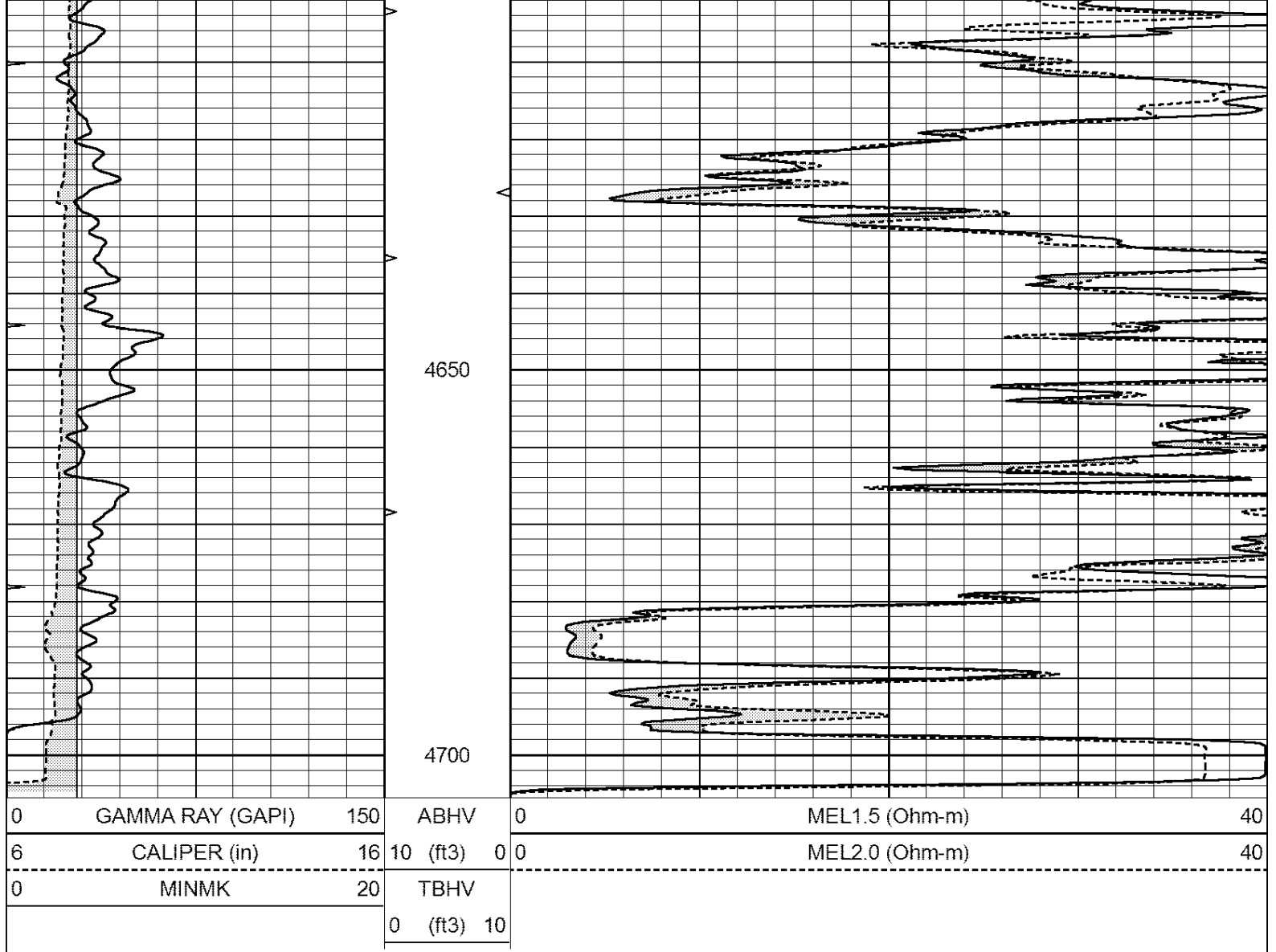




REPEAT SECTION

Database File: 25850ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Tue Aug 12 18:21:20 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report			
Database File:	25850ddn.db		
Dataset Pathname:	pass5.1		
Dataset Creation:	Tue Aug 12 18:21:20 2014 by Calc Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO6		
Tool Model:	PROBE		
Performed:	Tue Jul 29 01:31:52 2014		
Caliper Calibration:	Gain=5.542	Offset=0.700	
	Low Cal	High Cal	
References	8.000	14.000	
Readings	1.431	2.513	
1.5" Calibration:	Gain=38.075	Offset=0.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.004	1.196	
2" Calibration:	Gain=46.000	Offset=-0.300	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.006	0.913	

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Sun Jul 27 22:13:15 2014	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.7500	GAPI/cps