



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	RITCHIE EXPLORATION, INC.		
Well	#1 SHULER 17 B		
Field	WILDCAT		
County	SHERIDAN	State	KANSAS
Location:	AP1 #: 15-179-21409-0000 1740' FNL & 712' FWL N/2 - SW - NW		Other Services CBL/CNL DIL
Permanent Datum	GROUND LEVEL		
Log Measured From	KELLY BUSHING 5' A.G.L.	Elevation	2843
Drilling Measured From	KELLY BUSHING	Elevation	2843
Date	9/2/15		
Run Number	TWO		
Depth Driller	4555		
Depth Logger	4557		
Bottom Logged Interval	4555		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 328		
Casing Logger	327		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.3/55		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 85F		
Rmt @ Meas. Temp	.90 @ 85F		
Rmc @ Meas. Temp	1.44 @ 85F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.84 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	ADAM ELDANI		

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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:
SELDEN, KS. - 1 WEST - 100 FT. SOUTH - EAST INTO

Database File:

30518ddn.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

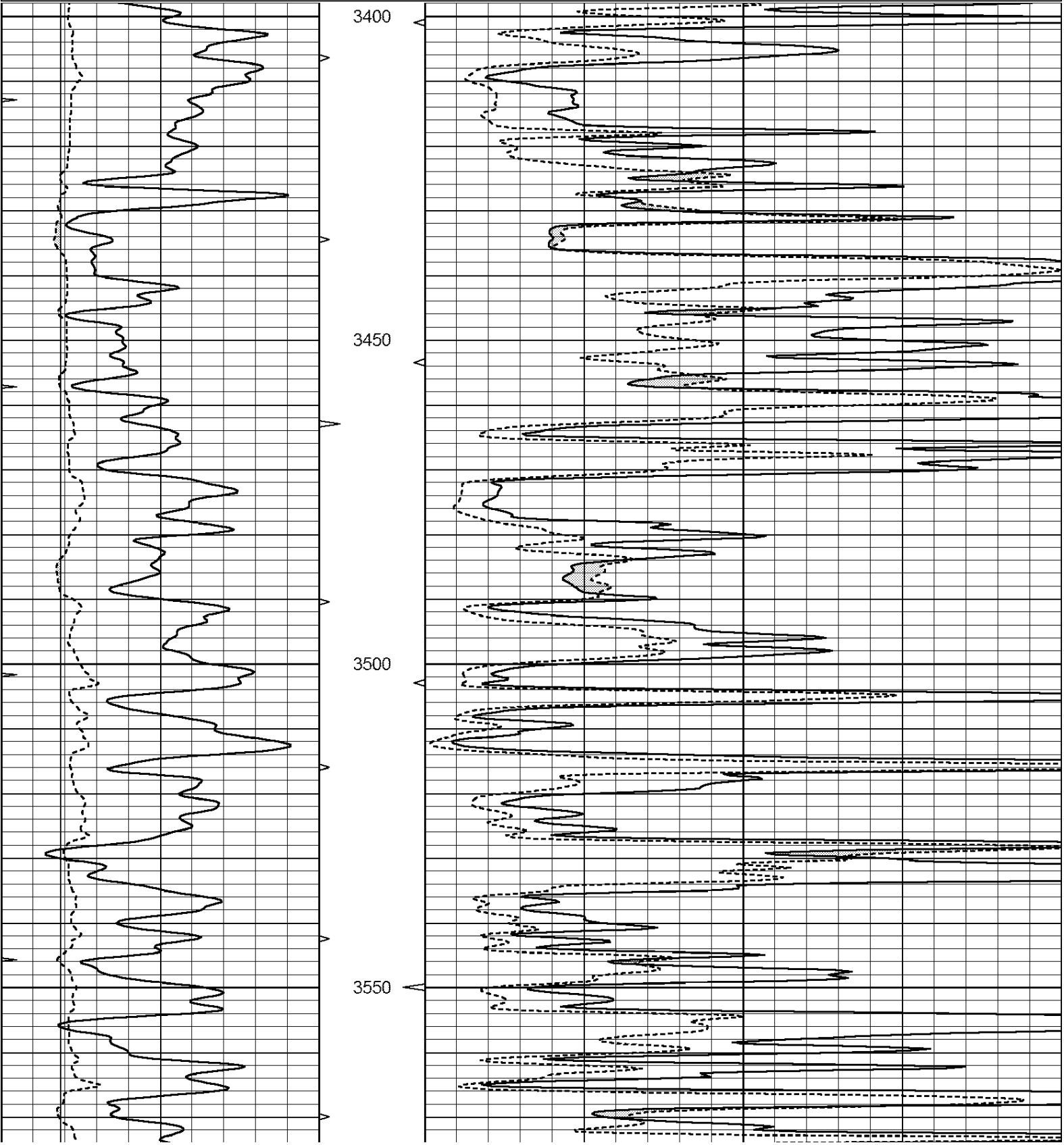
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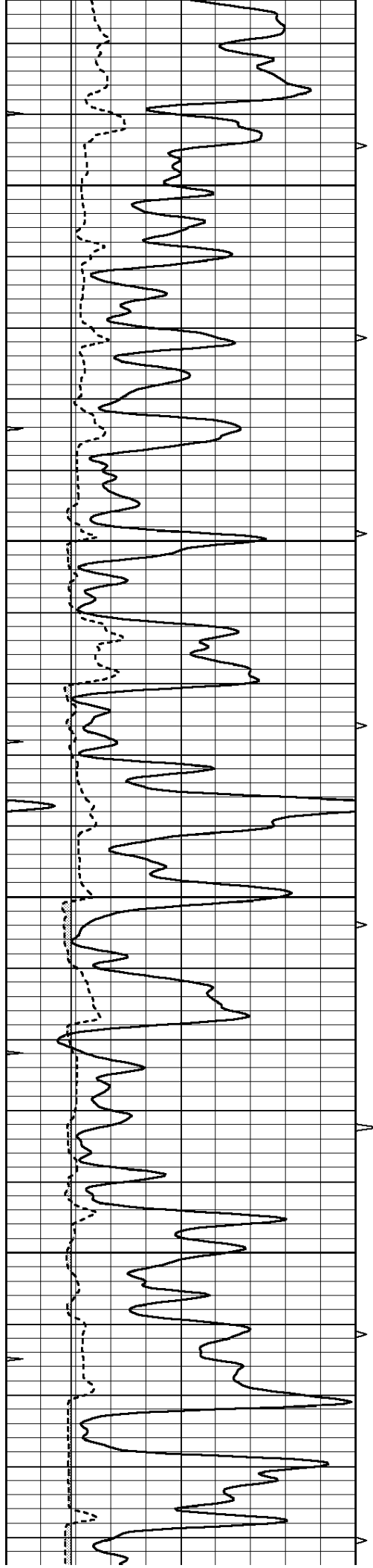
Wed Sep 02 13:37:57 2015 by Calc Open-Cased 090629

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		



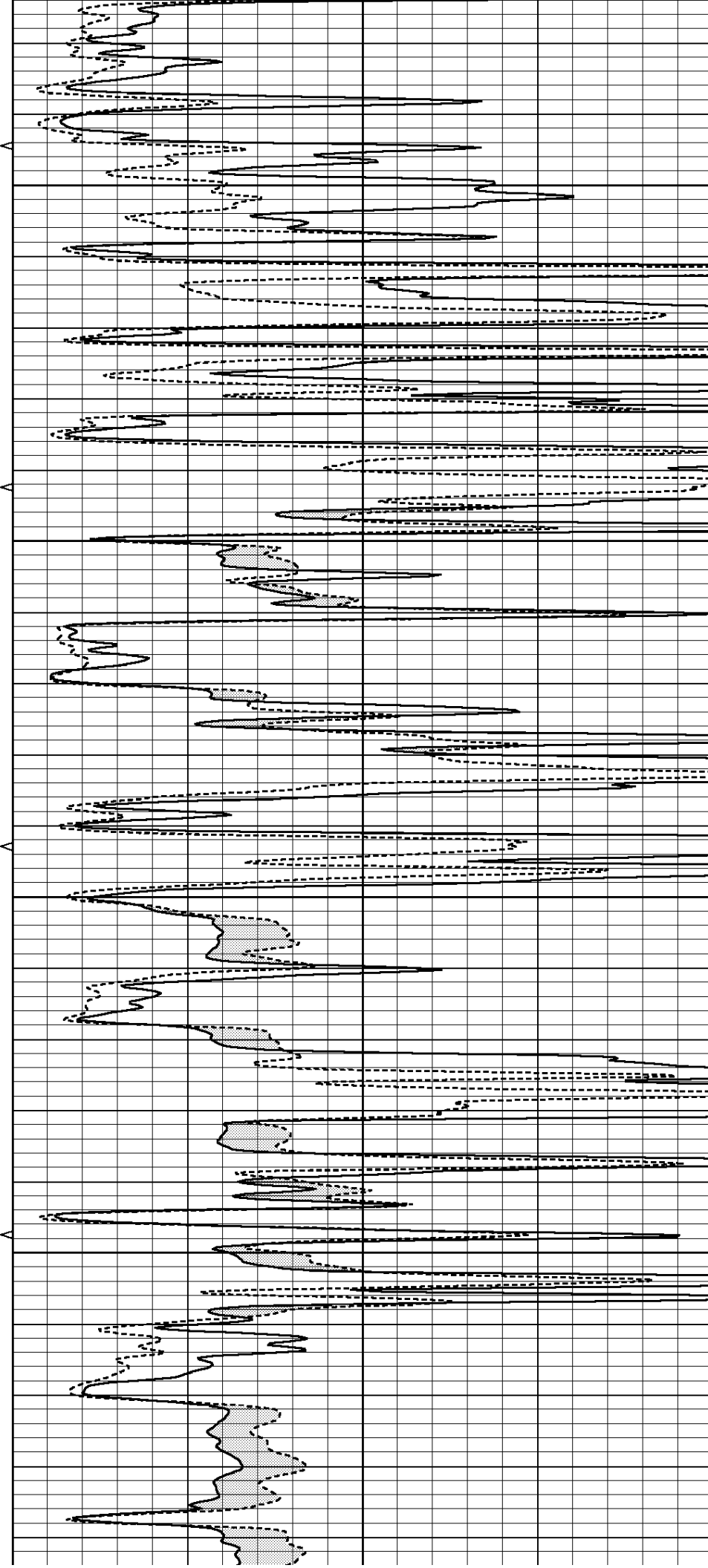


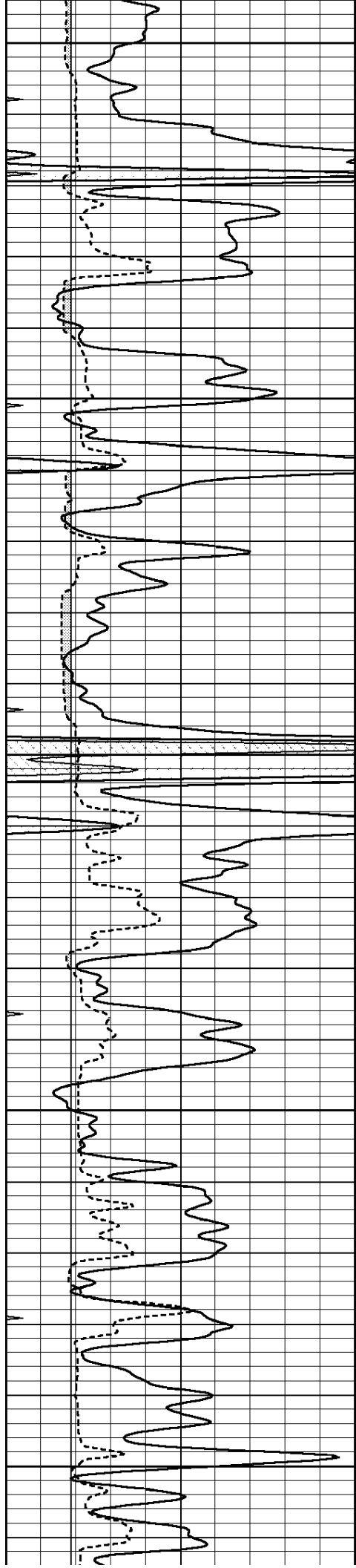
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3650

3700

3750





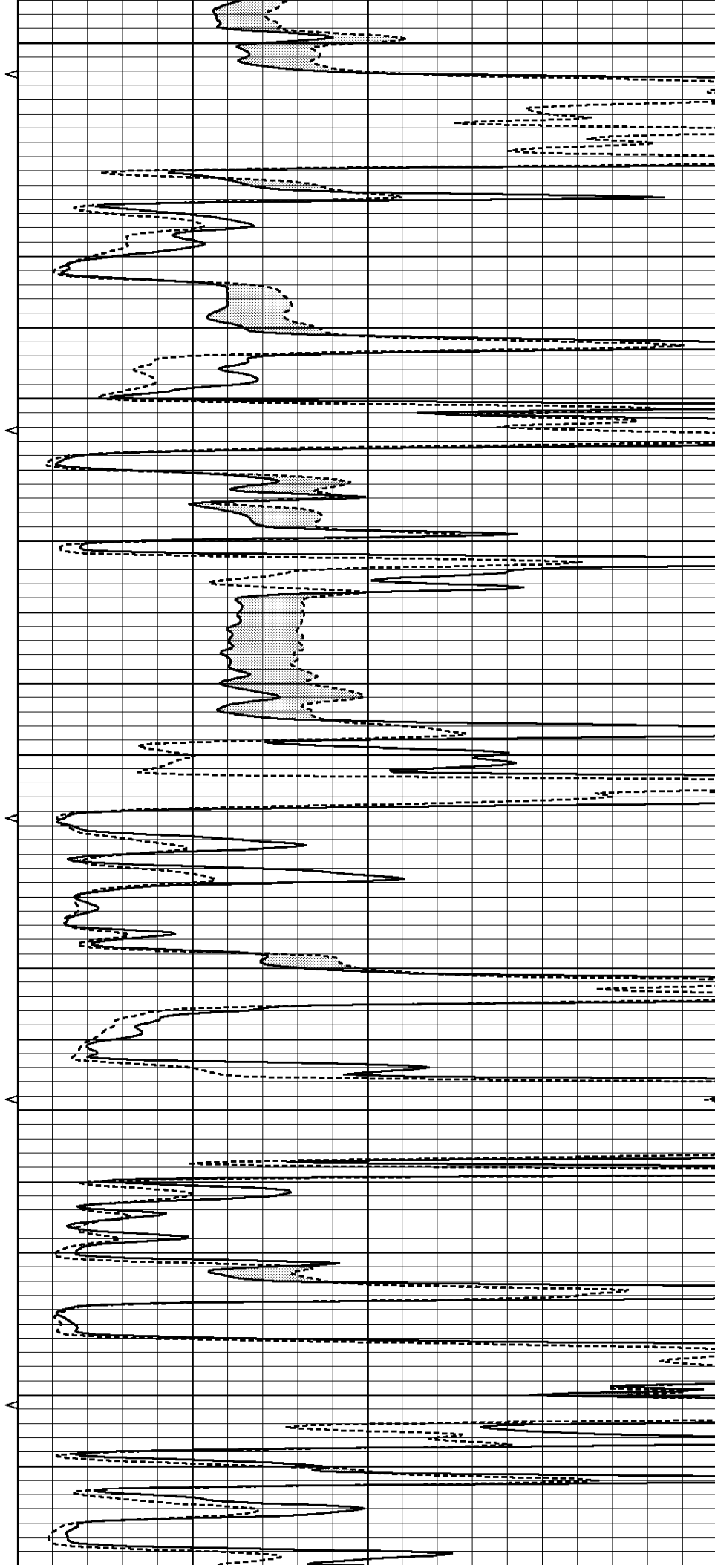
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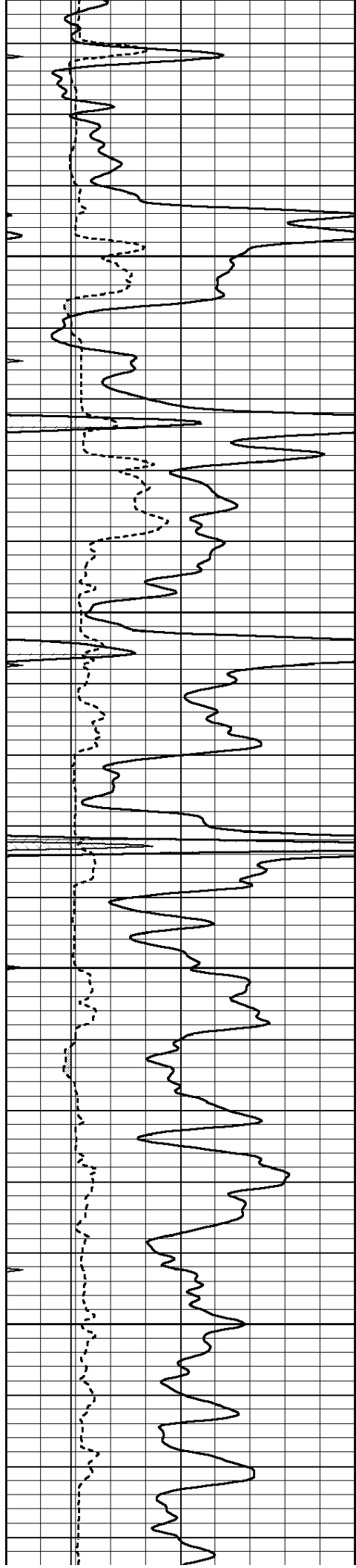
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3900

3950

4000



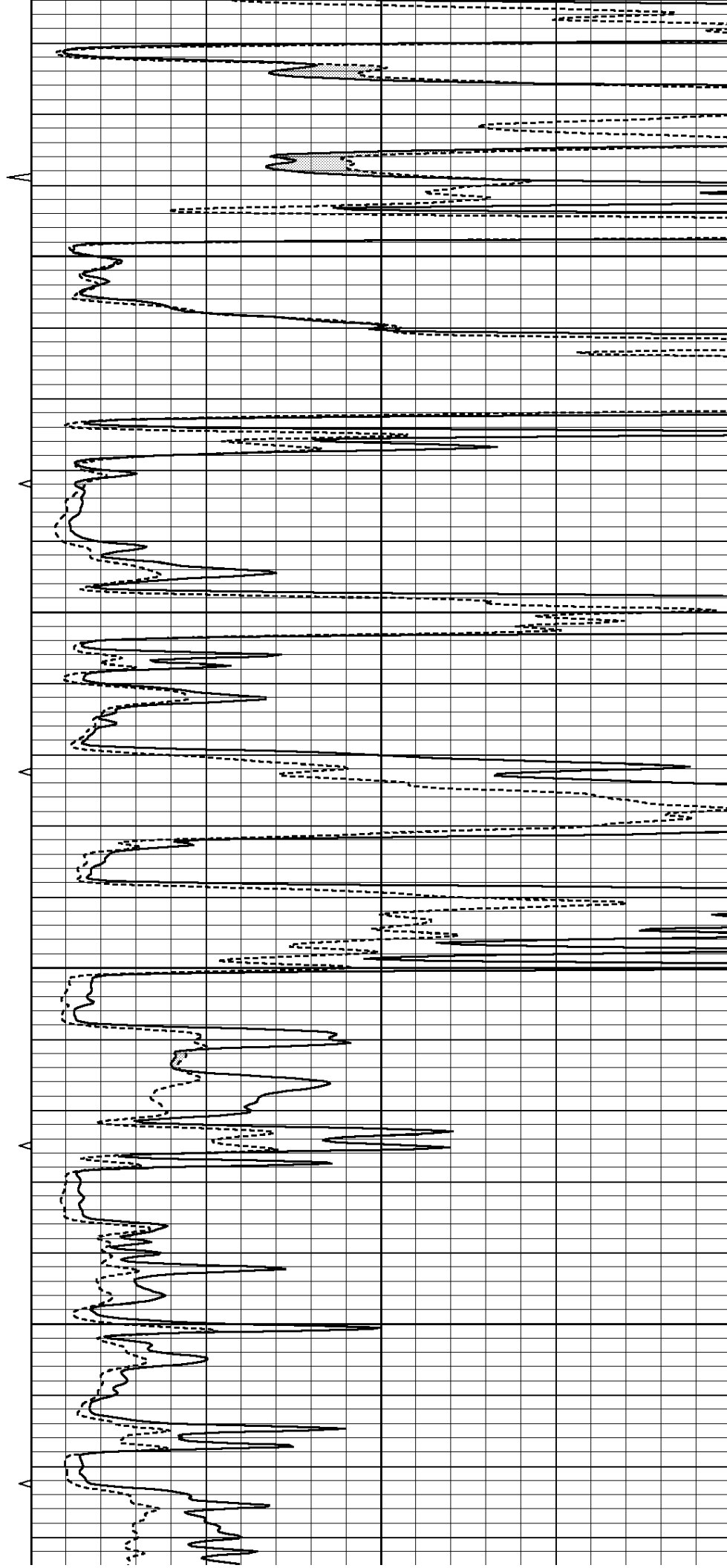


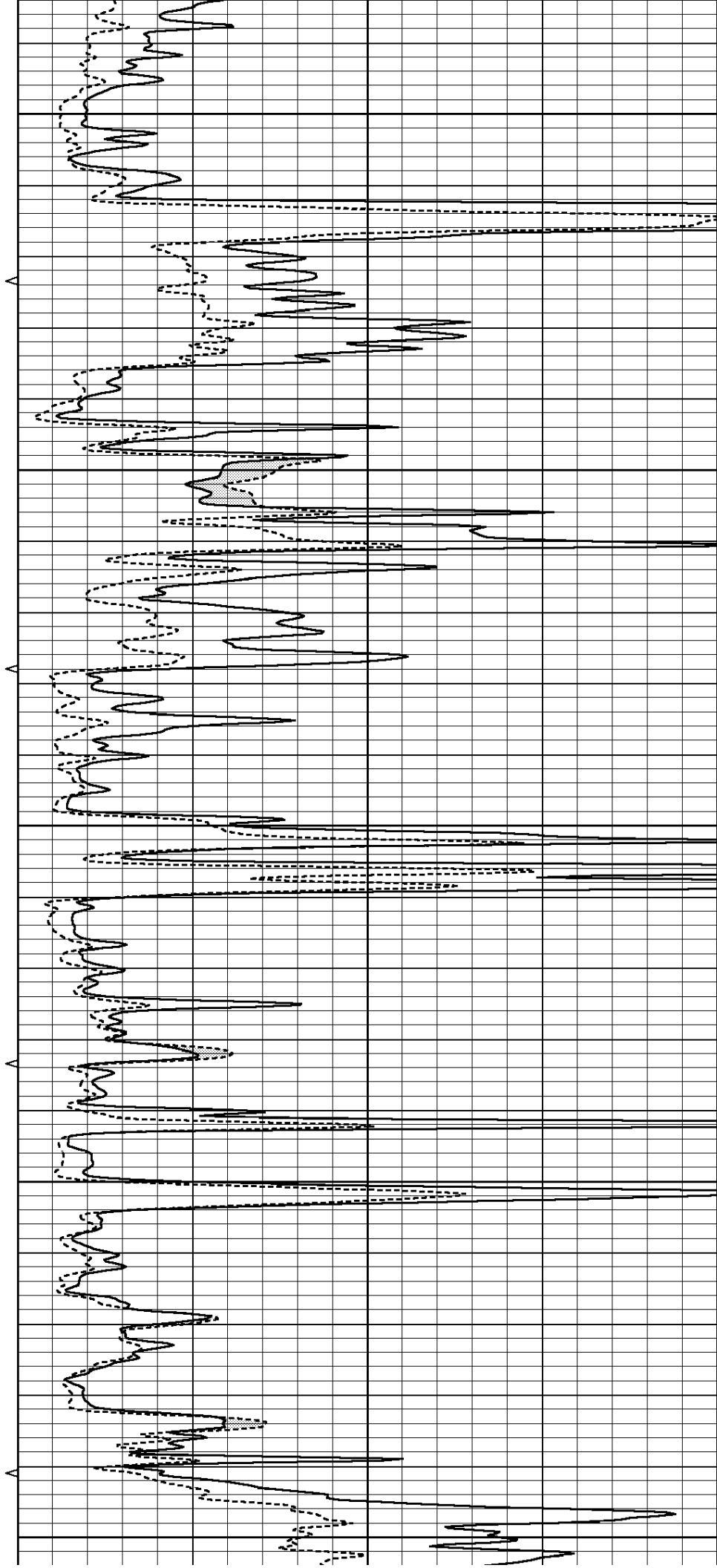
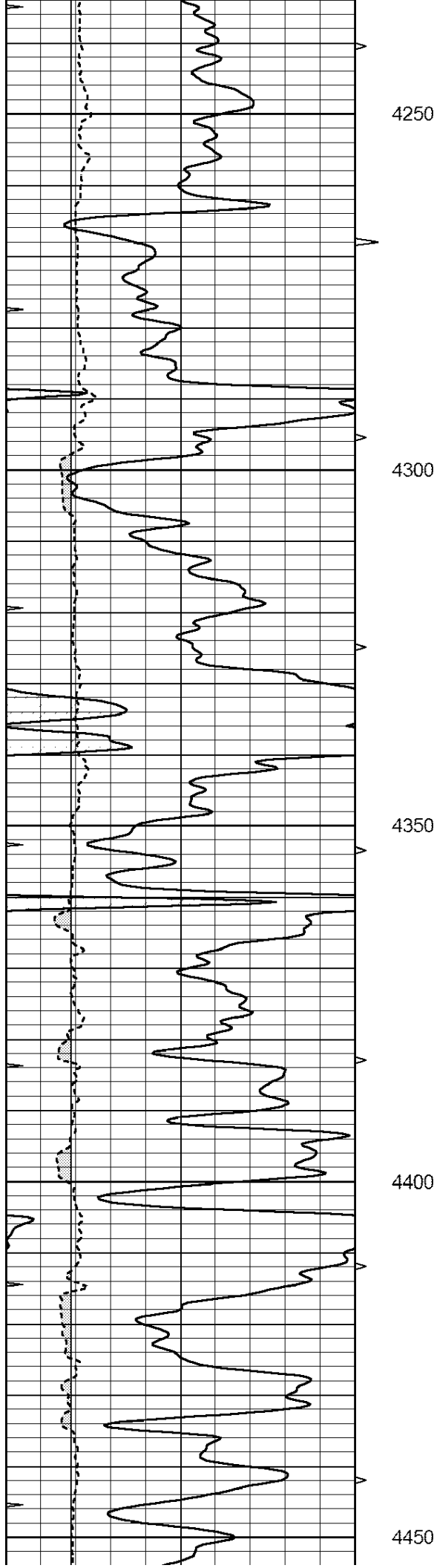
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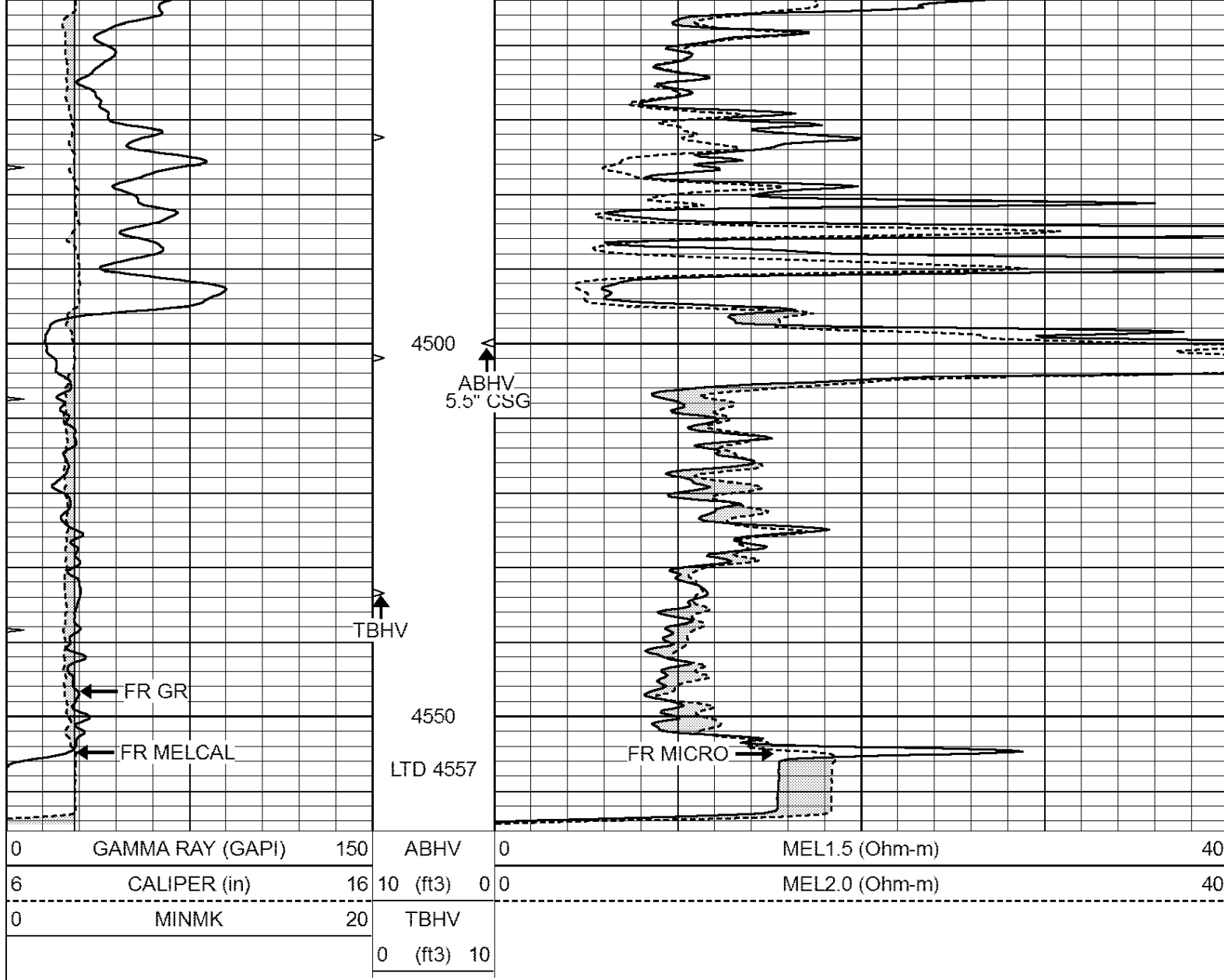
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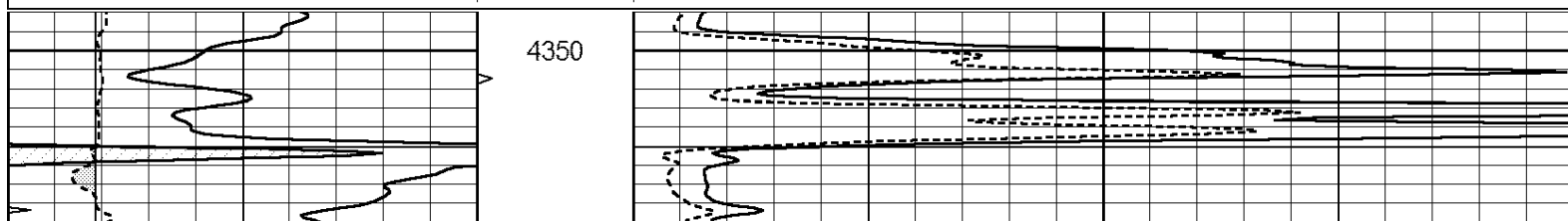


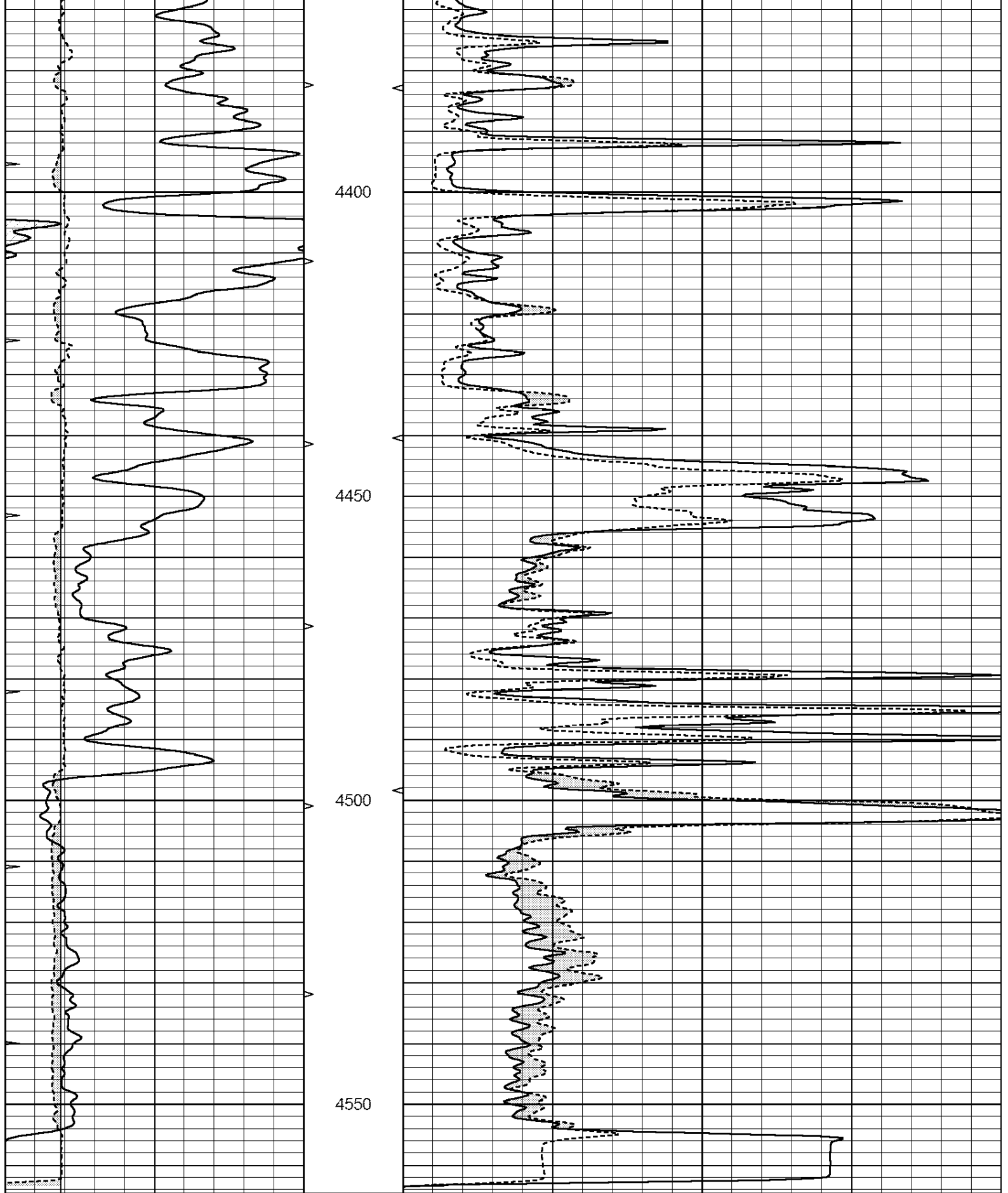


REPEAT SECTION

Database File: 30518ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Wed Sep 02 13:27:21 2015 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
0	MINMK	20	TBHV			
			0 (ft3)	10		





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6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

Calibration Report

Database File: 30518ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Wed Sep 02 13:27:21 2015 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Wed Aug 26 00:34:46 2015

Caliper Calibration: Gain=3.960 Offset=4.601
 References Low Cal High Cal
 7.000 14.000
 Readings 0.555 2.323

1.5" Calibration: Gain=38.075 Offset=-1.000
 References Low Cal High Cal
 0.000 20.000
 Readings 0.004 1.196

2" Calibration: Gain=43.000 Offset=-1.600
 References Low Cal High Cal
 0.000 20.000
 Readings 0.006 0.913

Gamma Ray Calibration Report

Serial Number: GR6
 Tool Model: OPEN
 Performed: Sun May 10 18:59:16 2015

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 276.0 cps

Sensitivity: 0.8000 GAPI/cps