



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY/NEUTRON
LOG**

Company	RITCHIE EXPLORATION, INC.		
Well	#1 HUSEMAN 19 D		
Field	MICHIGAN NORTH		
County	SCOTT	State	KANSAS
Company	RITCHIE EXPLORATION, INC.	Well	#1 HUSEMAN 19 D
Field	MICHIGAN NORTH	County	SCOTT
State	KANSAS	Location:	AP1 # : 15-171-21029-0000
Permanent Datum	SEC 19 TWP 16S RGE 31W	Other Services	DIL
Log Measured From	GROUND LEVEL Elevation 2947		
Drilling Measured From	KELLY BUSHING 5' A.G.L. KELLY BUSHING	Elevation	K.B. 2952 D.F. 2950 G.L. 2947
Date	3/5/14		
Run Number	ONE		
Depth Driller	4750		
Depth Logger	4753		
Bottom Logged Interval	4729		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 221		
Casing Logger	NA		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3100 PPM	
Density / Viscosity	9.4/56		
pH / Fluid Loss	10.0/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.5 @ 81F		
Rmt @ Meas. Temp	.56 @ 81F		
Rmc @ Meas. Temp	.90 @ 81F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.99 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	7:10 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	MIKE ENGELBRECHT		

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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:
HEALY, KS. - 9 WEST TO RODEO RD. - 3 NORTH - 1 EAST - NORTH INTO

Database File:

24006ddn.db

Dataset Pathname:

pass4.1

Presentation Format:

den_neu

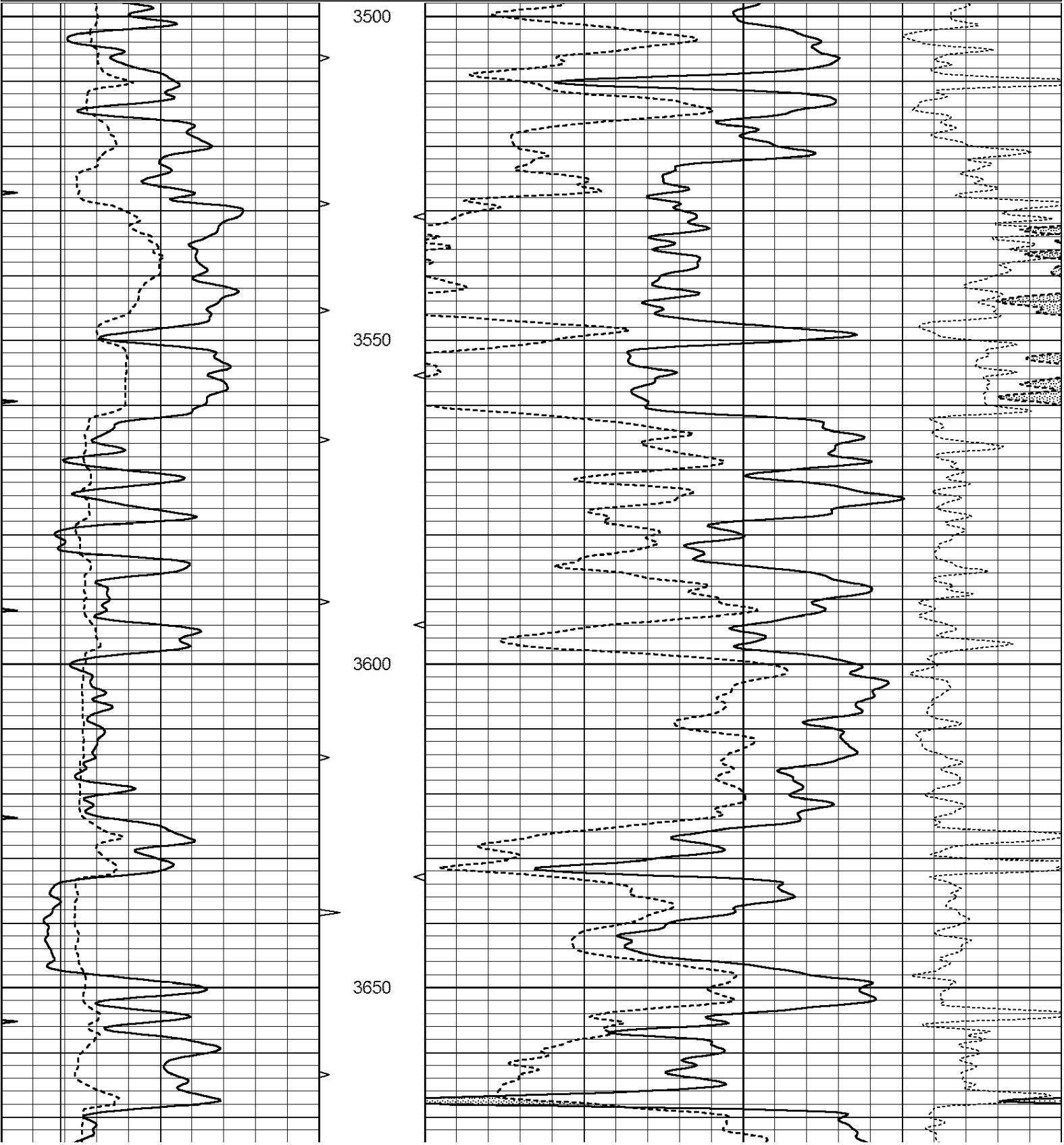
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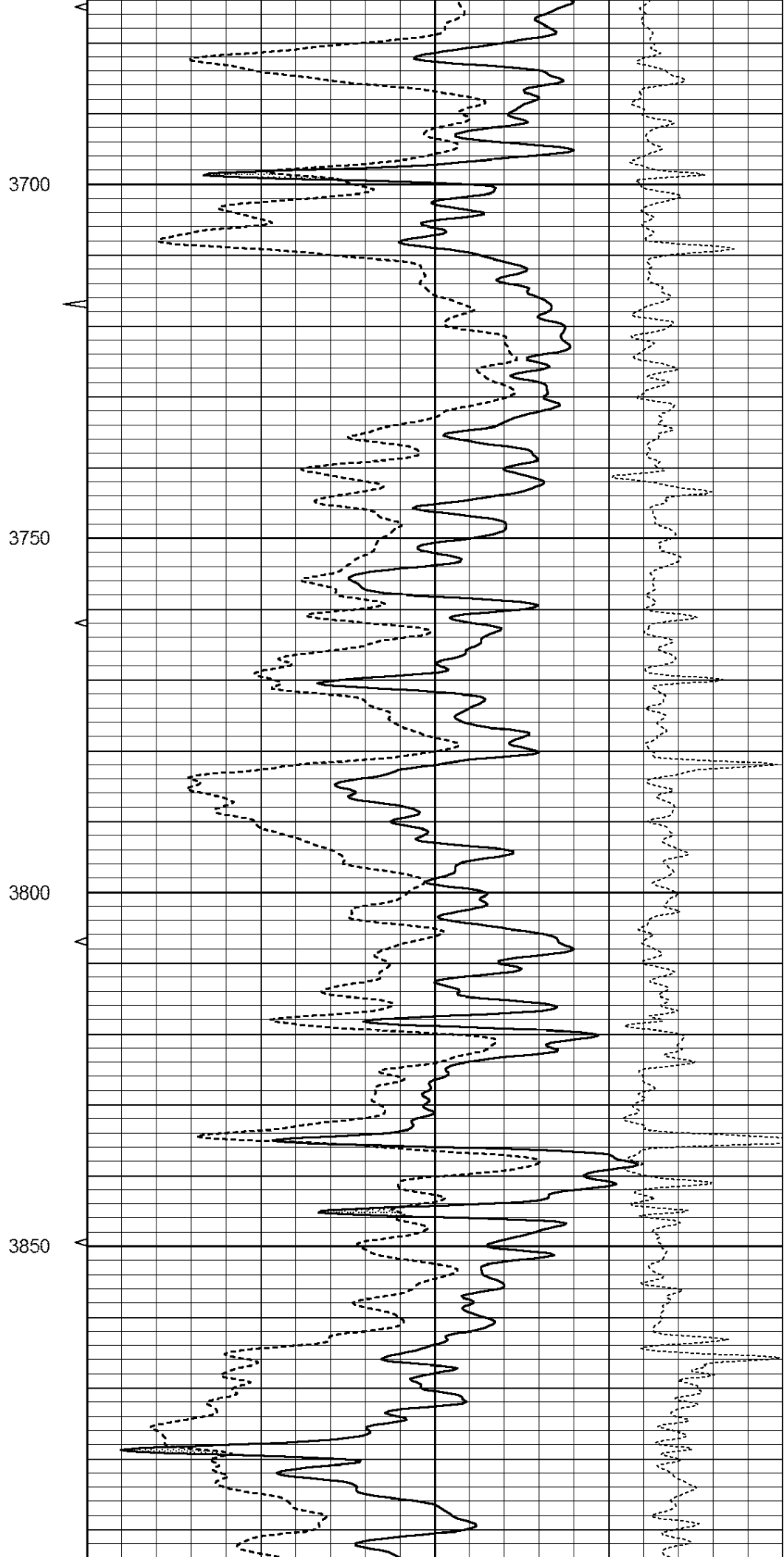
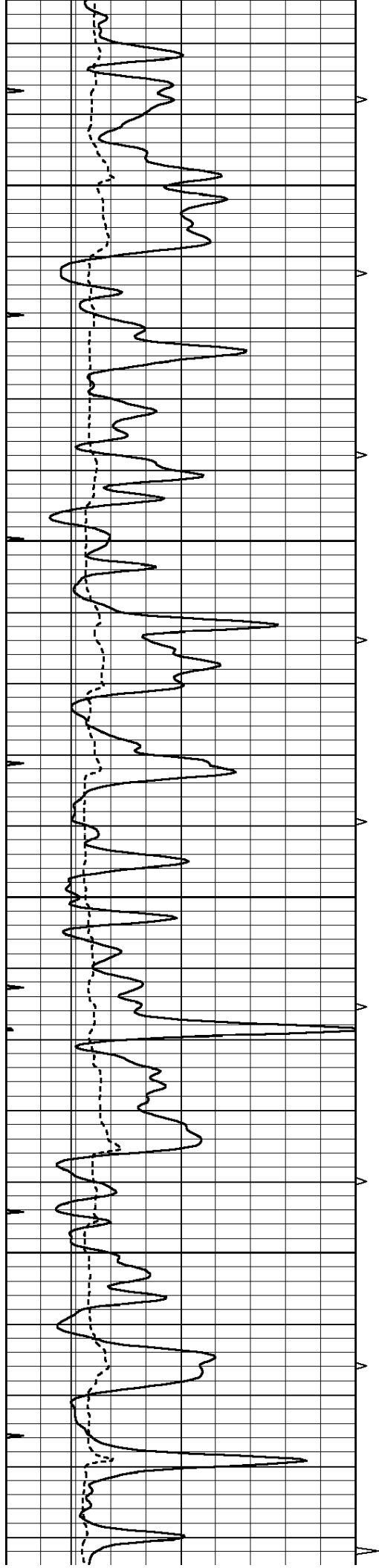
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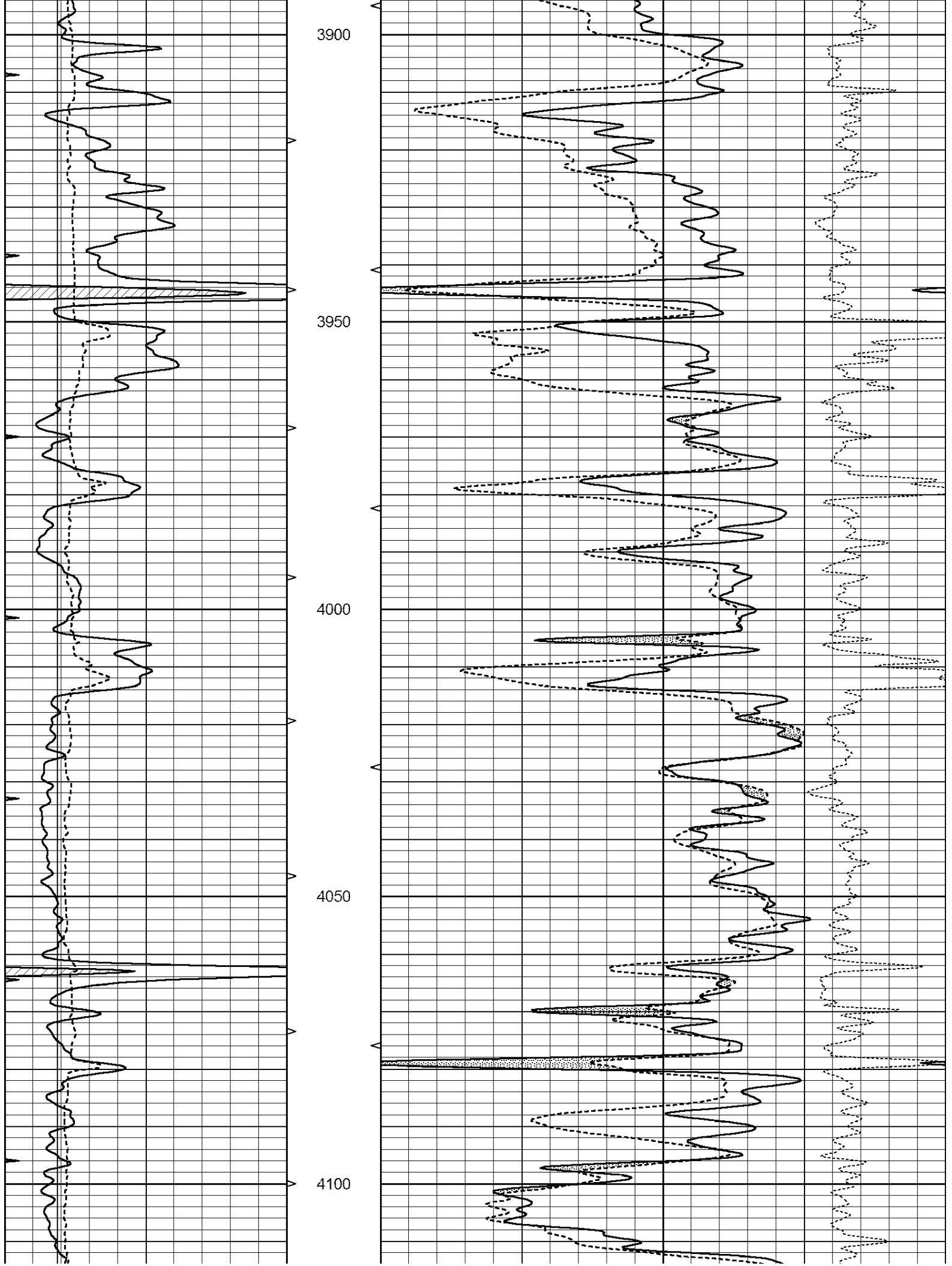
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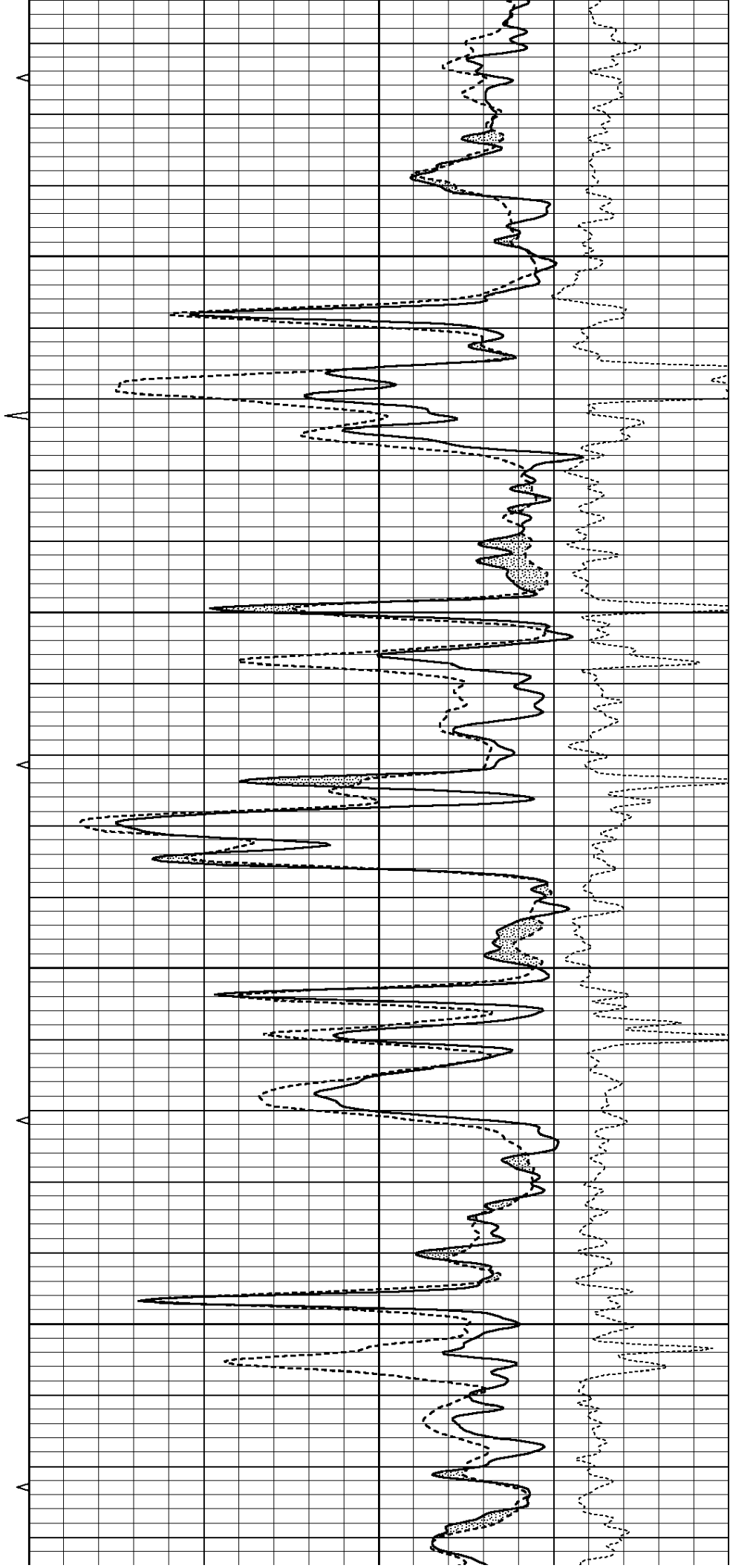
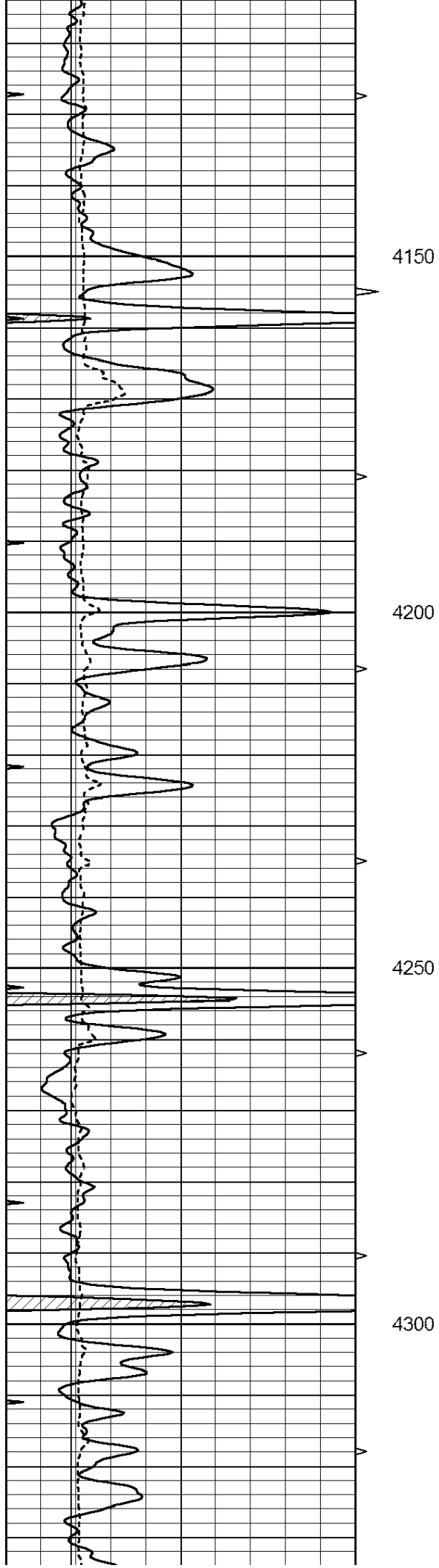
Depth in Feet scaled 1:240

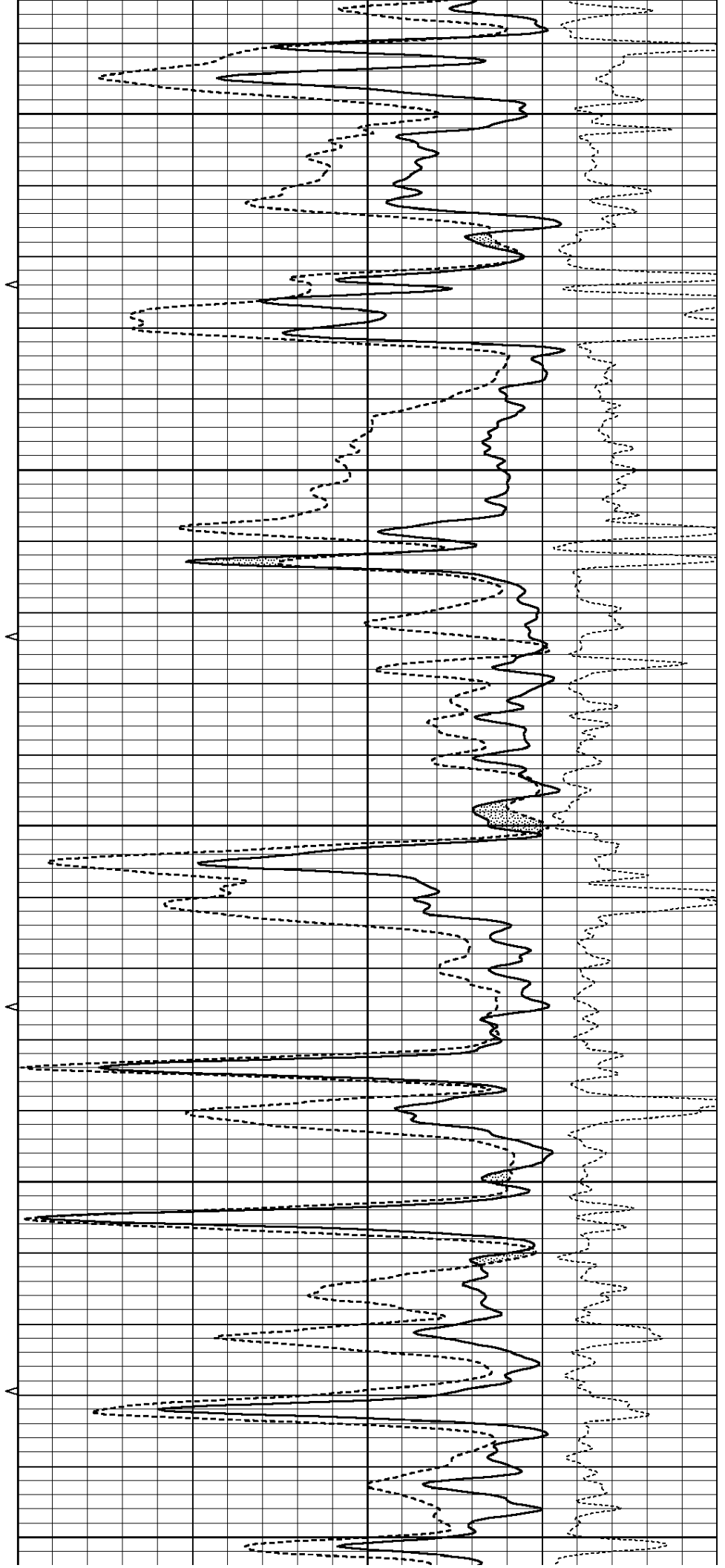
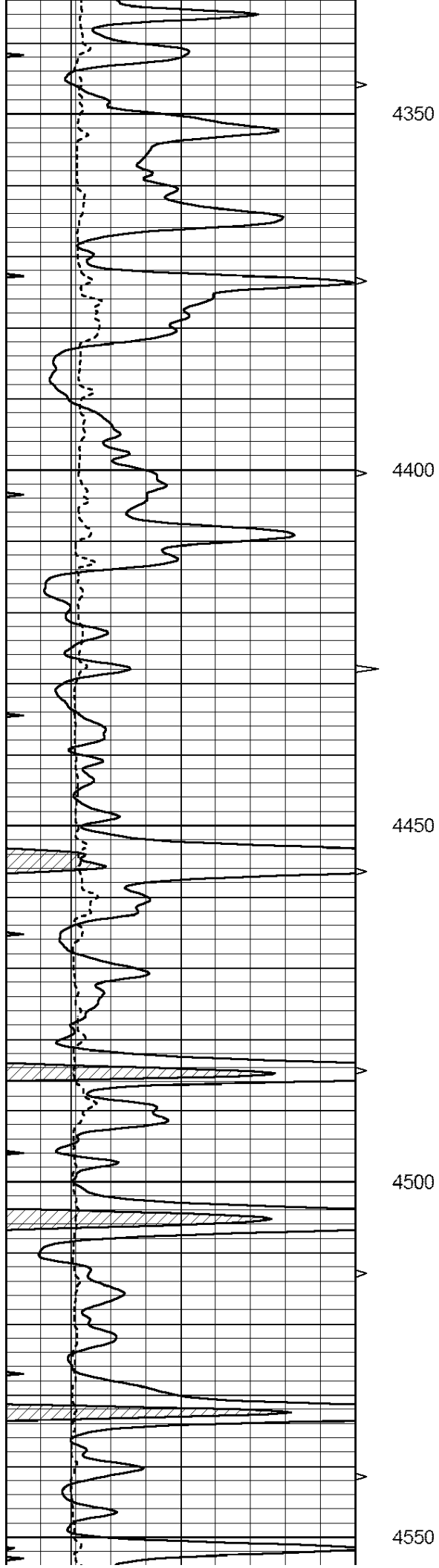
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

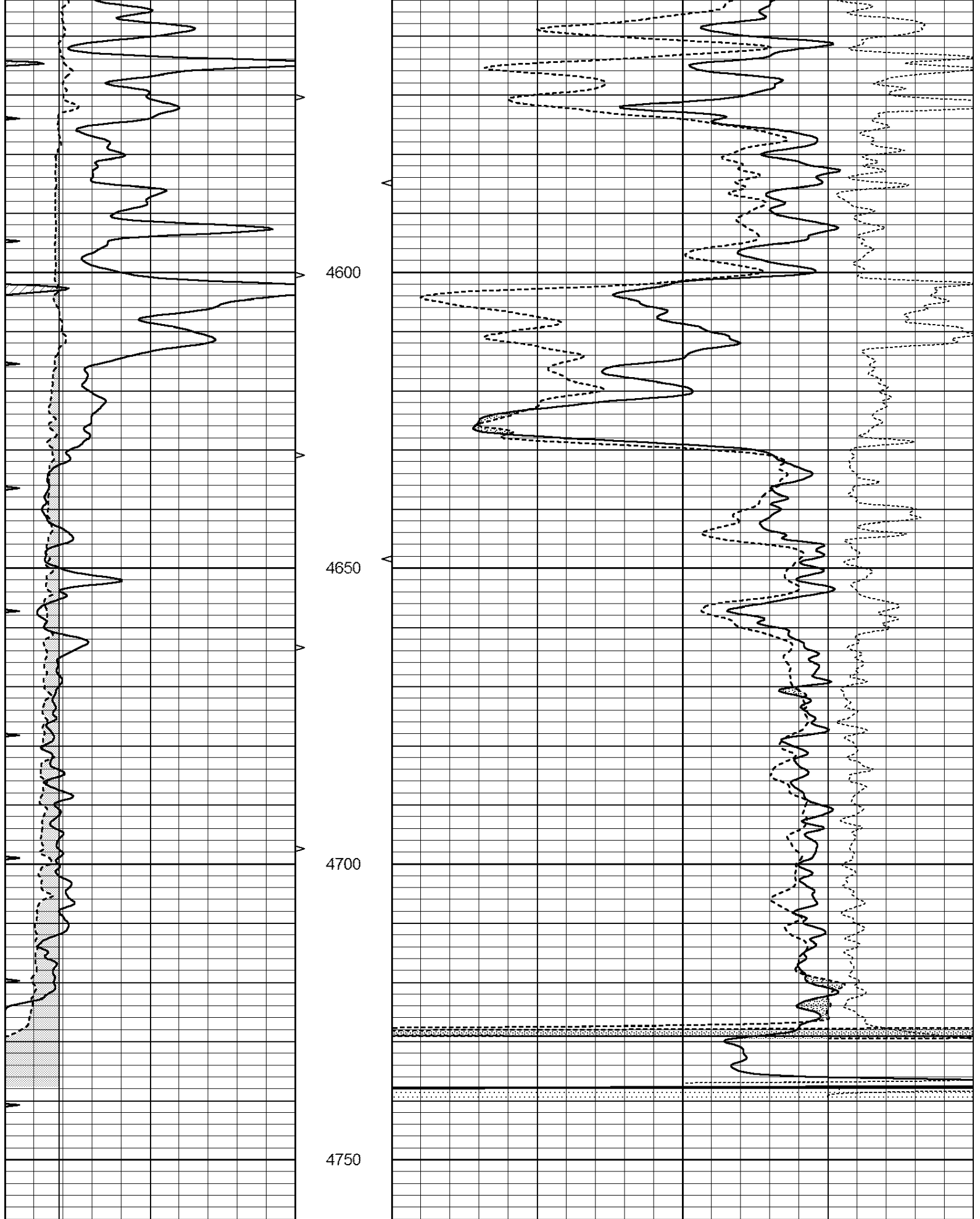












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6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc) 0.25

	0 (ft3) 10	
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