



SUPERIOR
Hays,
Kansas

COMPENSATED DENSITY / NEUTRON LOG

Company RITCHIE EXPLORATION, INC.
Well PINKNEY - ROHR #1
Field WILDCAT
County FORD
State KANSAS

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Well PINKNEY - ROHR #1
Field WILDCAT
County FORD State KANSAS

Location: API # : 15-057-20751
1210' FNL & 907' FEL
SEC 8 TWP 28S RGE 22W
Permanent Datum GROUND LEVEL Elevation 2377
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL
Elevation
K.B. 2388
D.F.
G.L. 2377

Date	9-25-11		
Run Number	ONE		
Depth Driller	5170		
Depth Logger	5170		
Bottom Logged Interval	5146		
Top Log Interval	2500		
Casing Driller	372		
Casing Logger	372		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 9,800 ppm	
Density / Viscosity	8.9 / 69		
pH / Fluid Loss	10.5 / 9.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.50 @ 82F		
Rmf @ Meas. Temp	0.38 @ 82F		
Rmc @ Meas. Temp	0.60 @ 82F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.330 @ 126F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	8:00 P.M.		
Maximum Recorded Temperature	126F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DAVE WILLIAMS		

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: FORD & #400, 1.2N, 1/2W, 1/2S INTO.

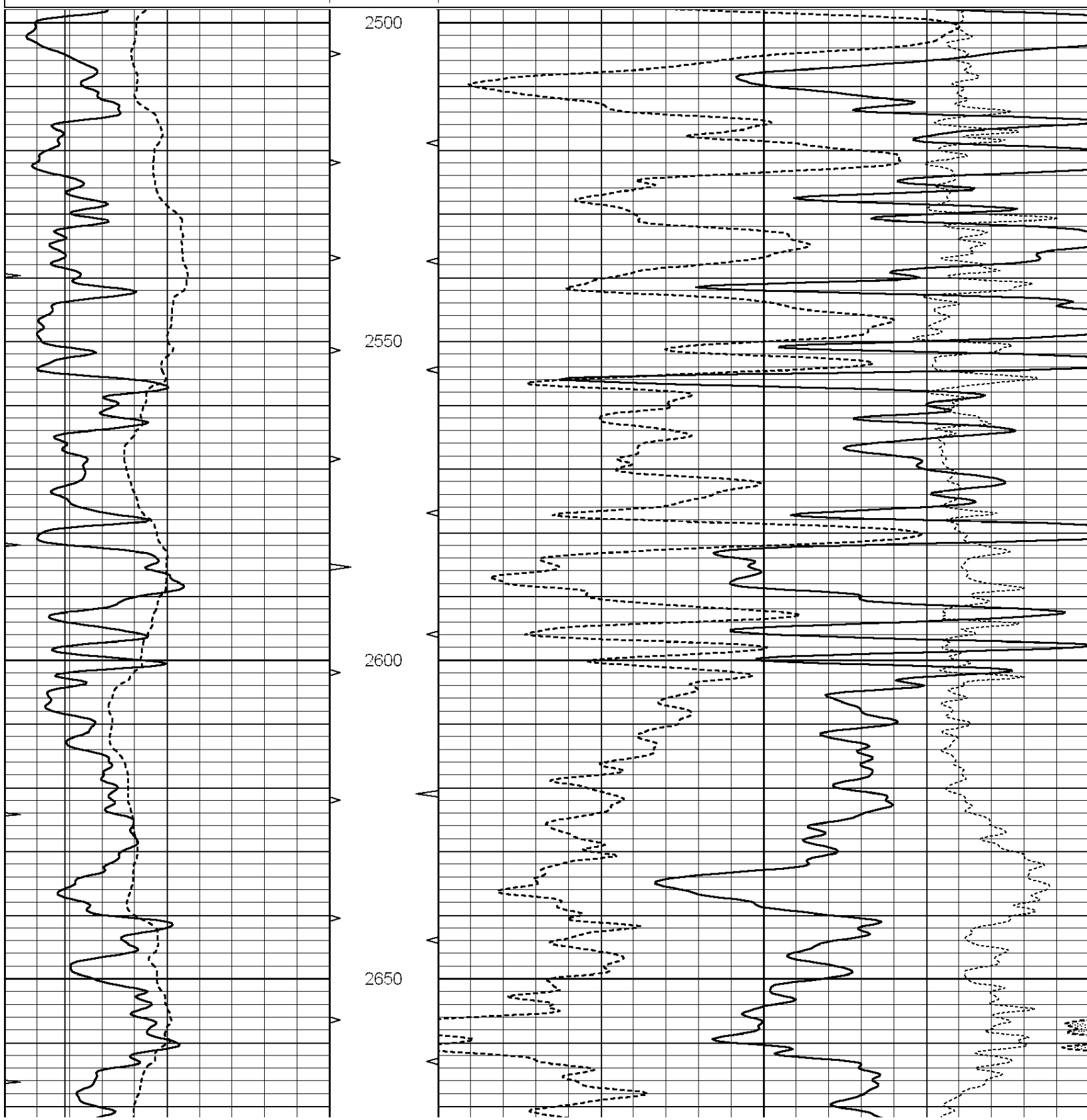


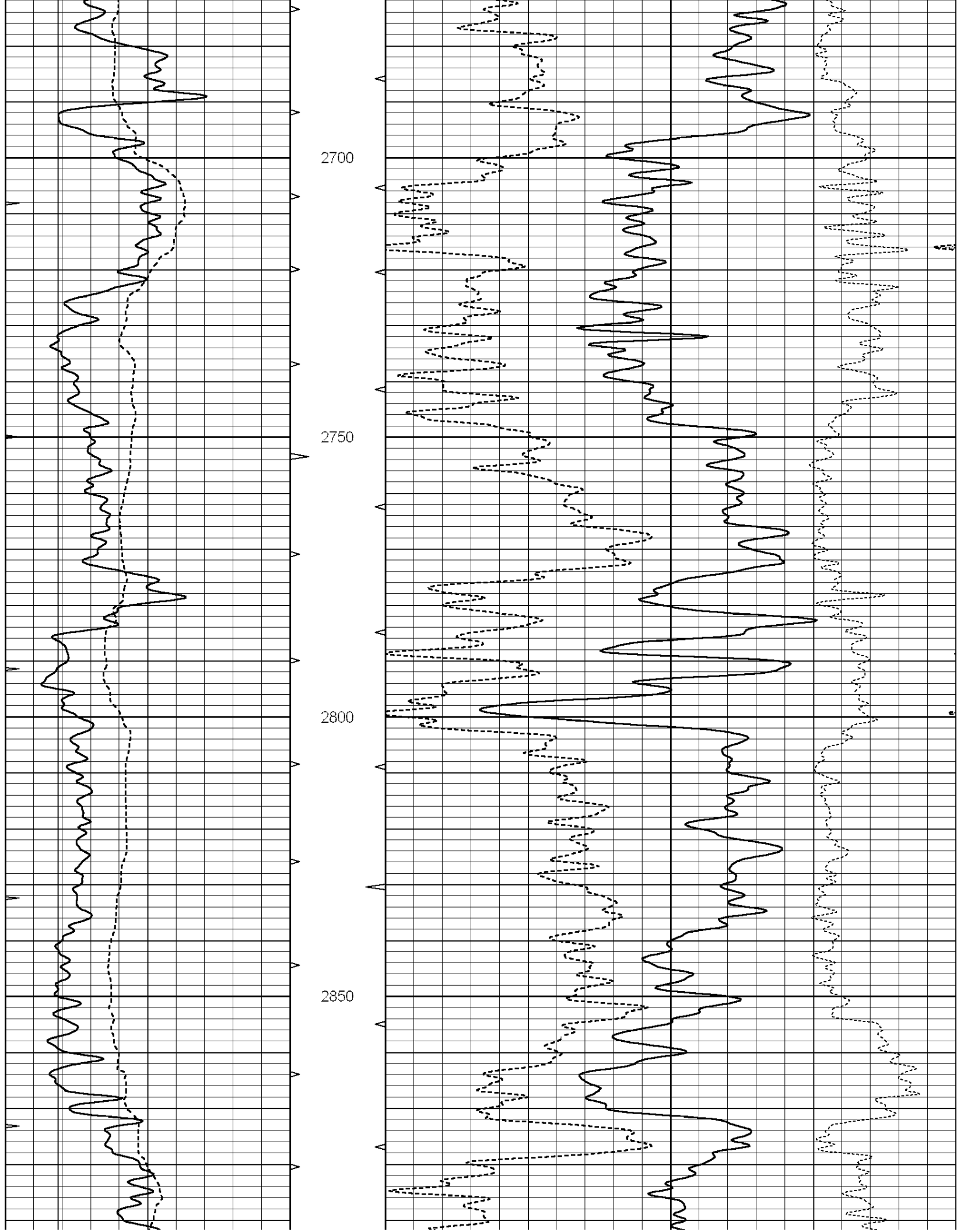
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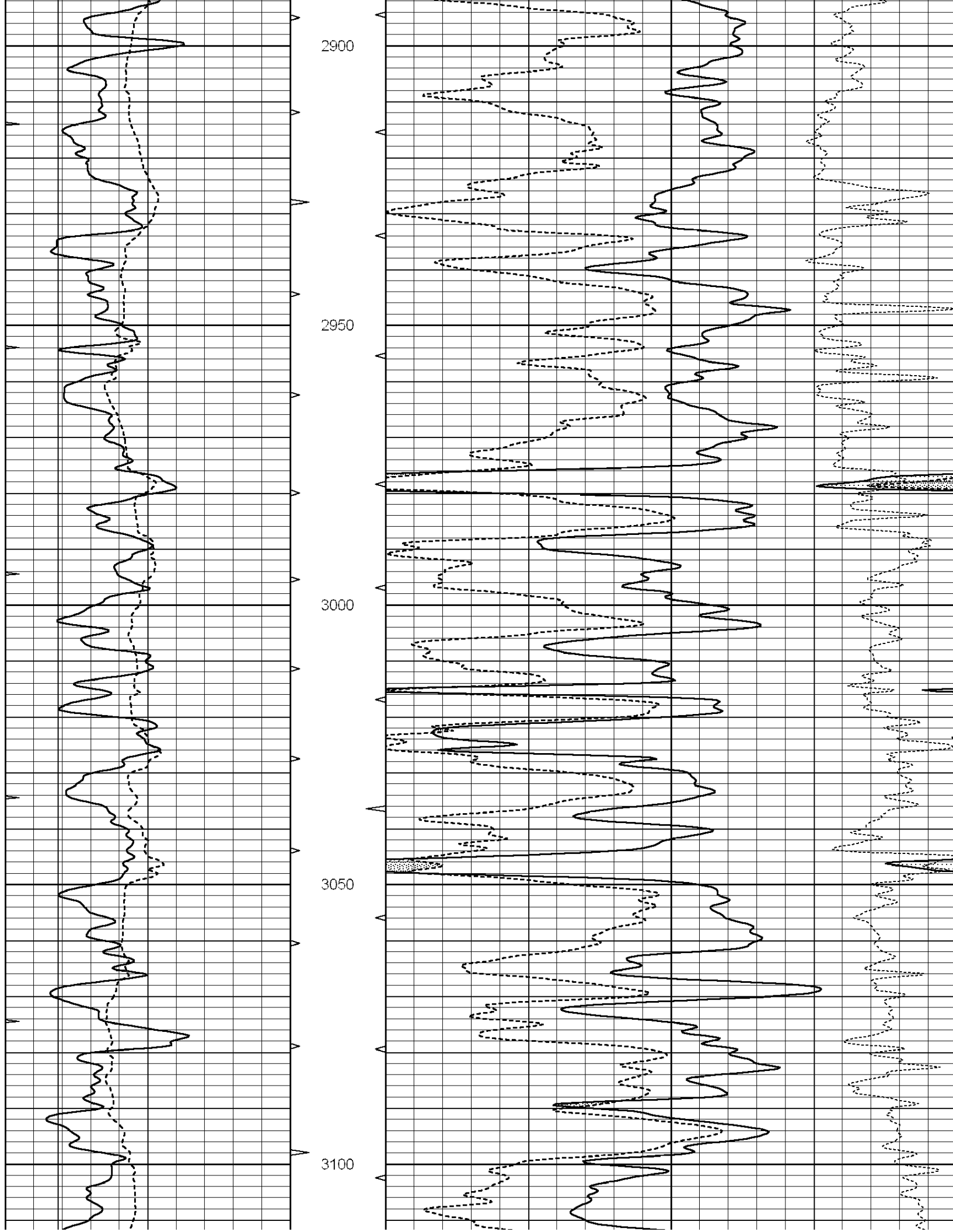
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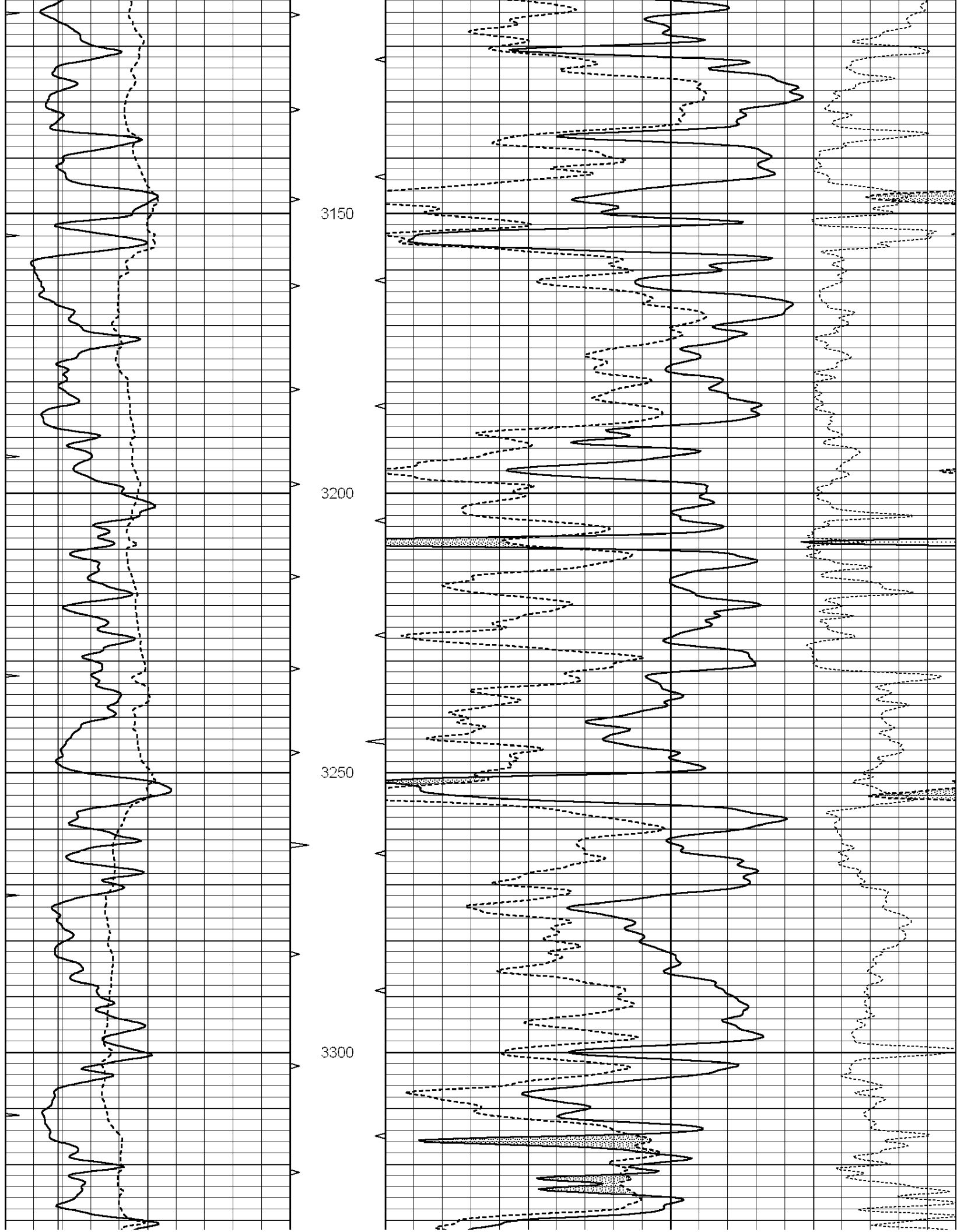
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Dataset Pathname: pass3.1A
Presentation Format: den_neu
Dataset Creation: Sun Sep 25 22:16:45 2011
Charted by: Depth in Feet scaled 1:240

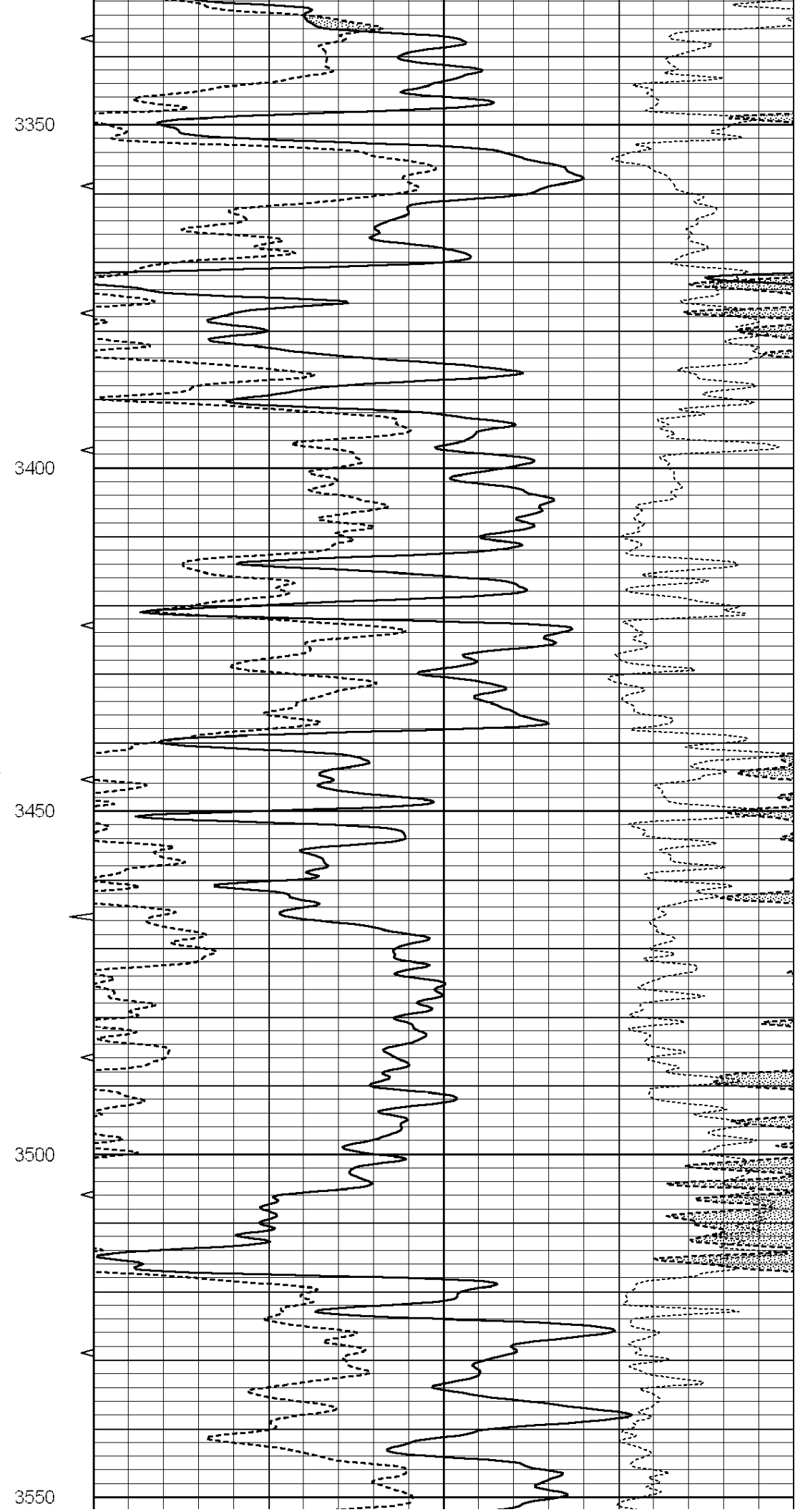
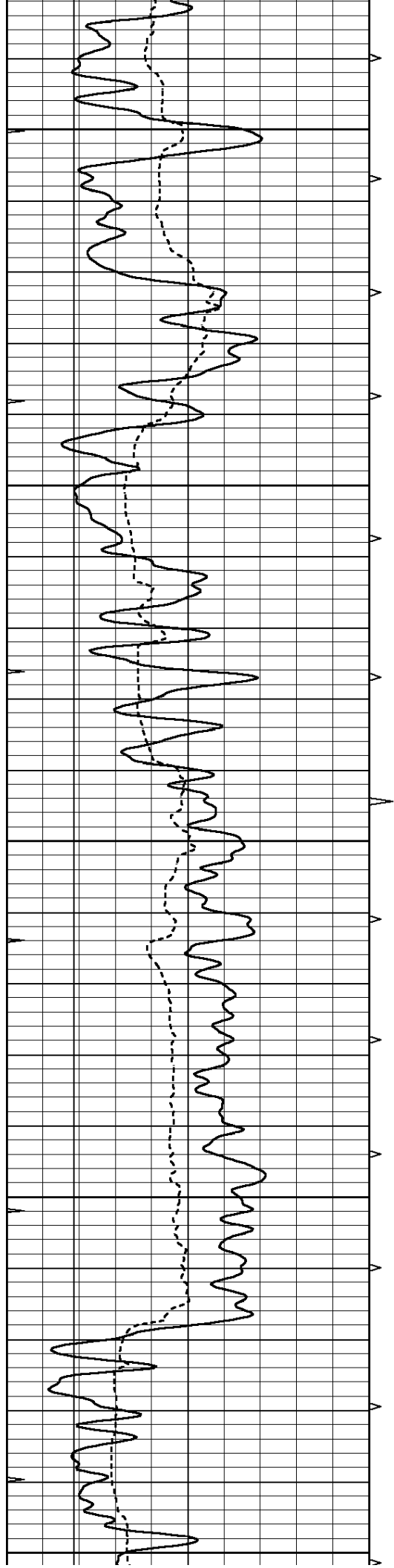
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

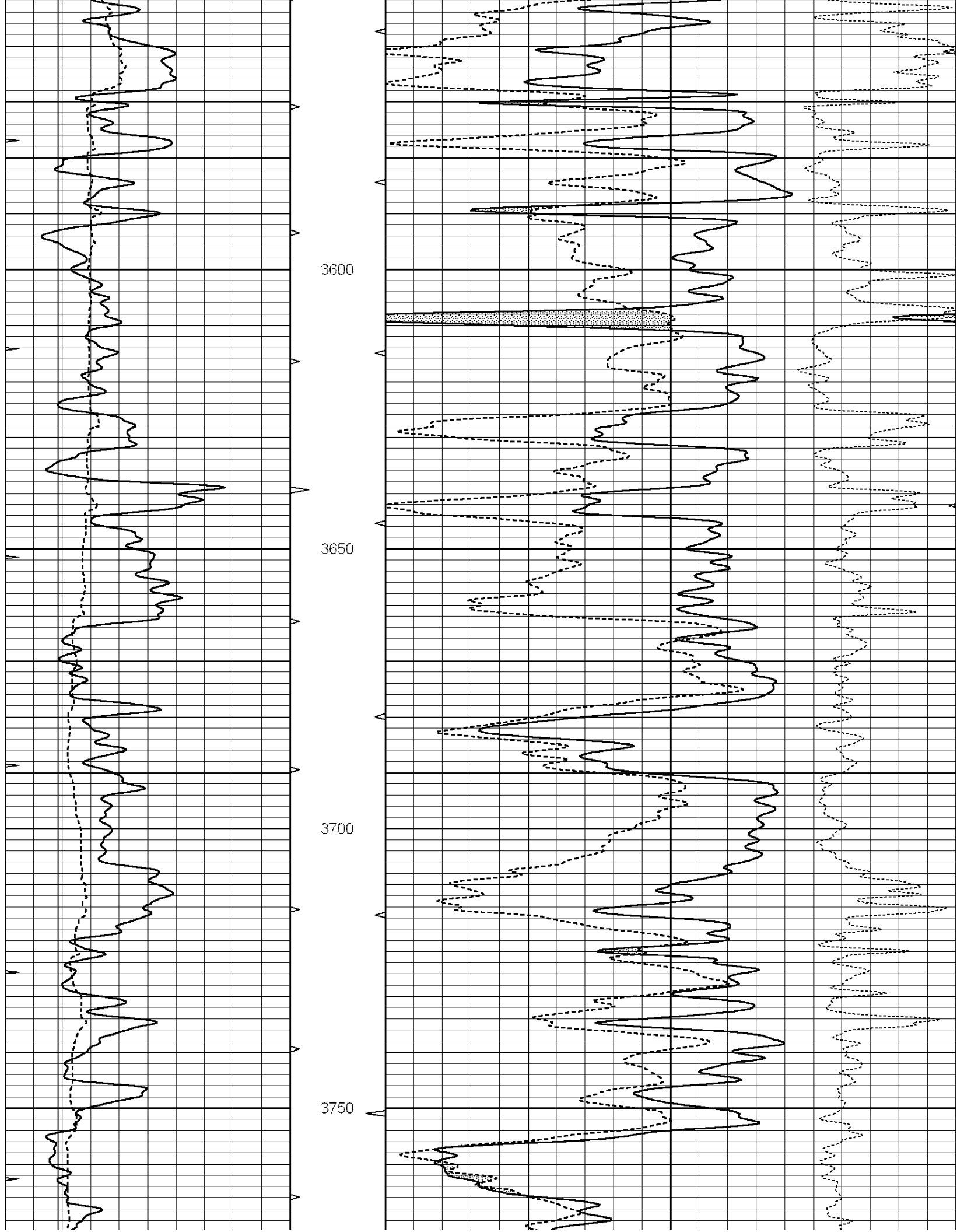


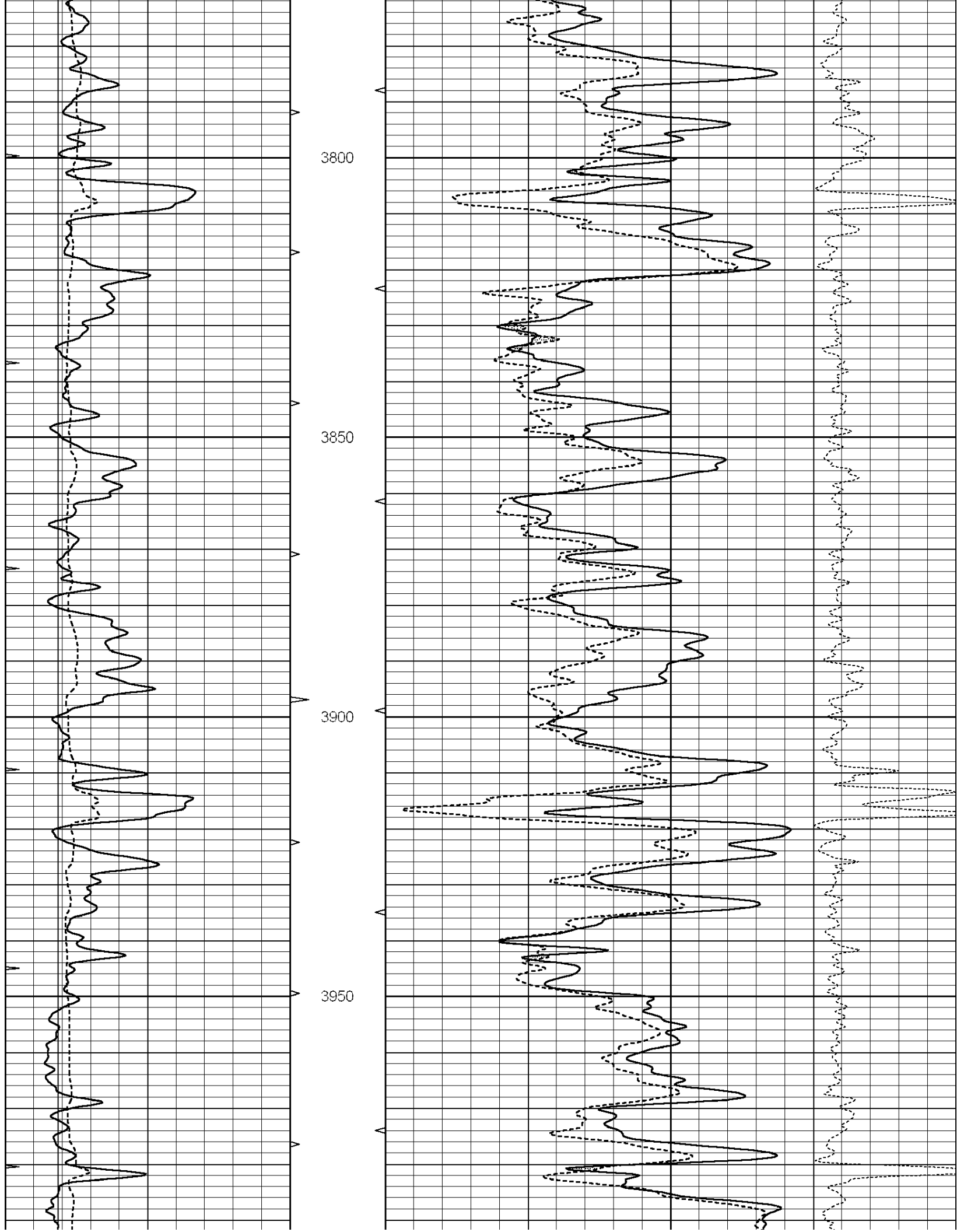


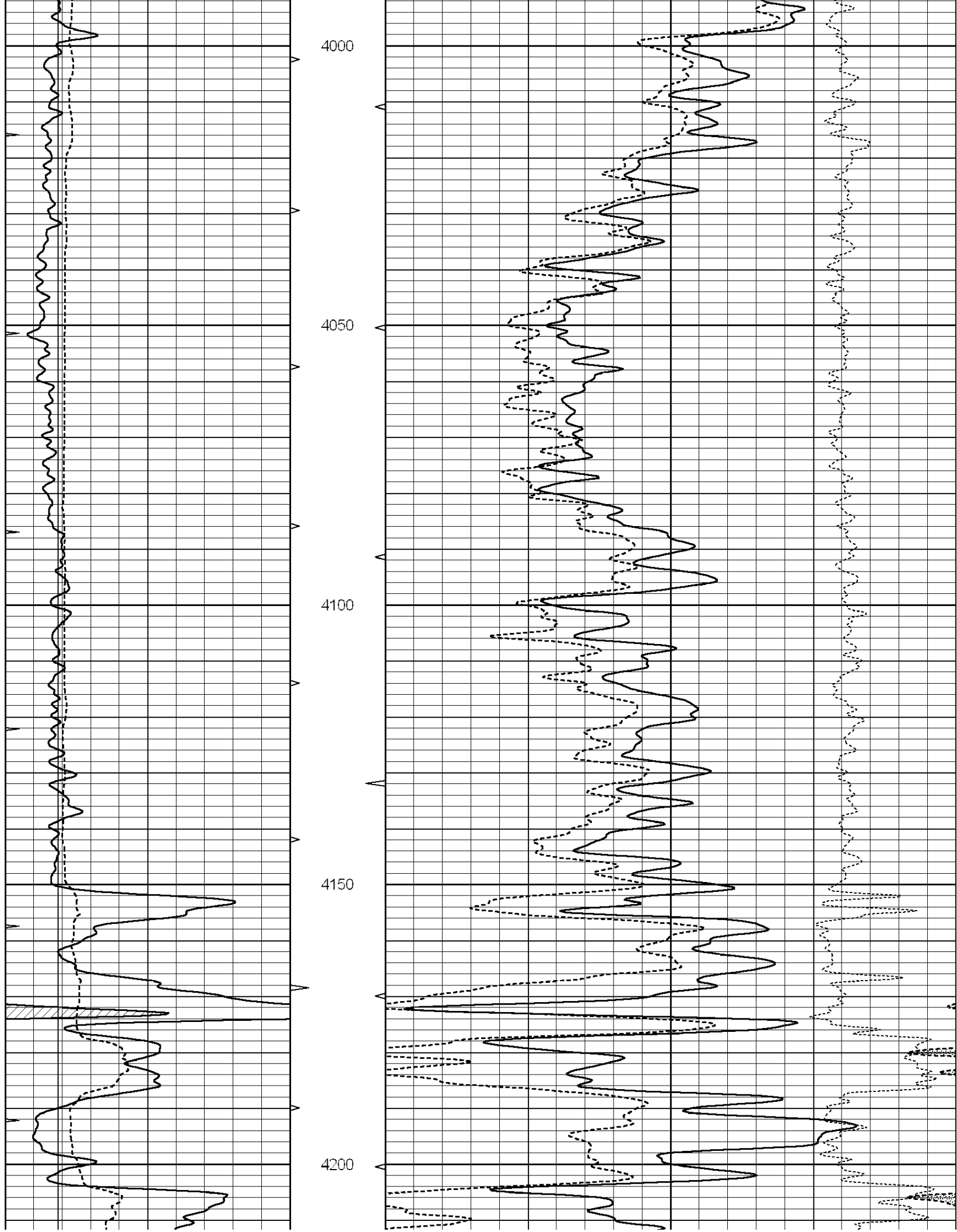


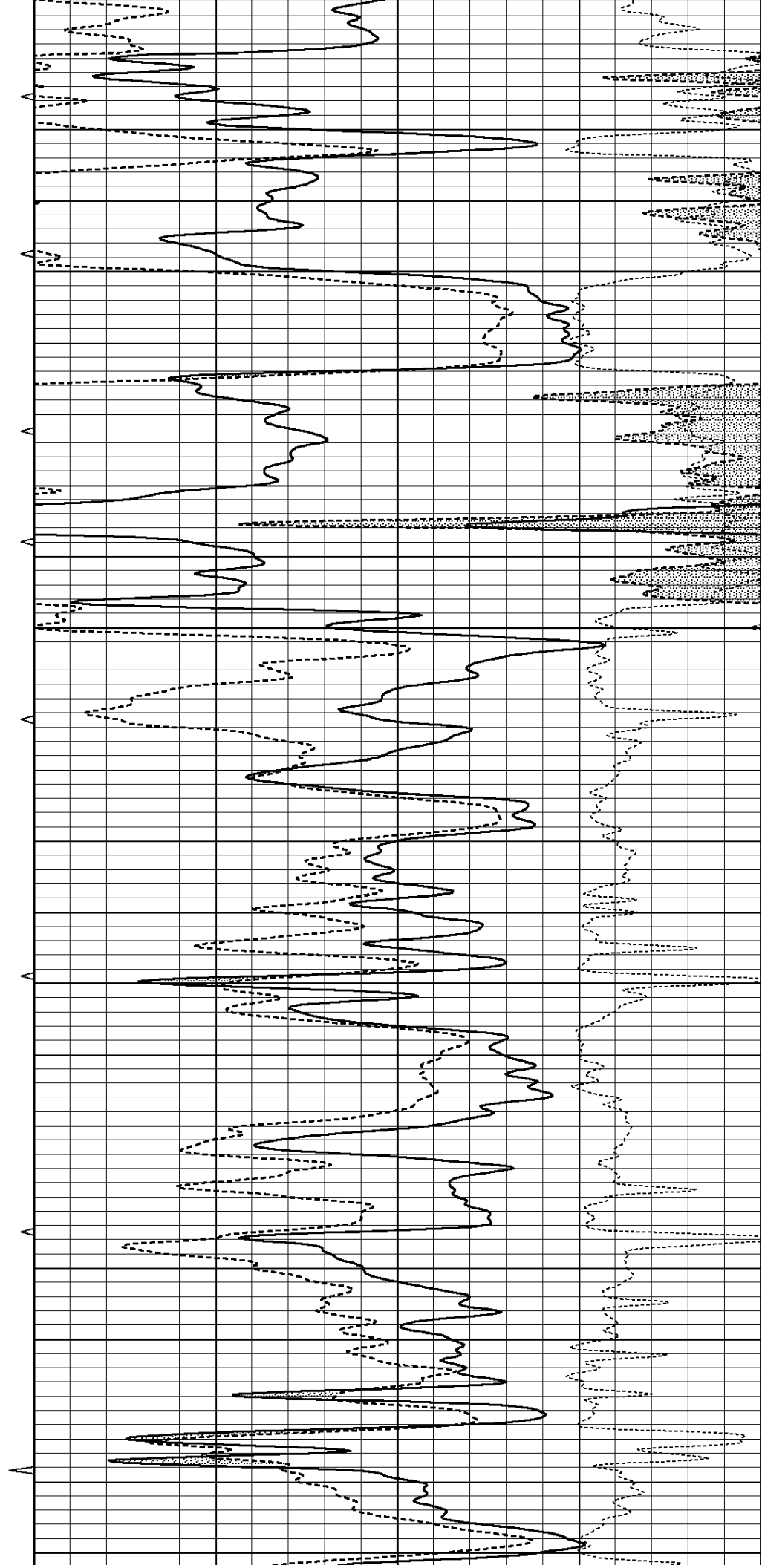
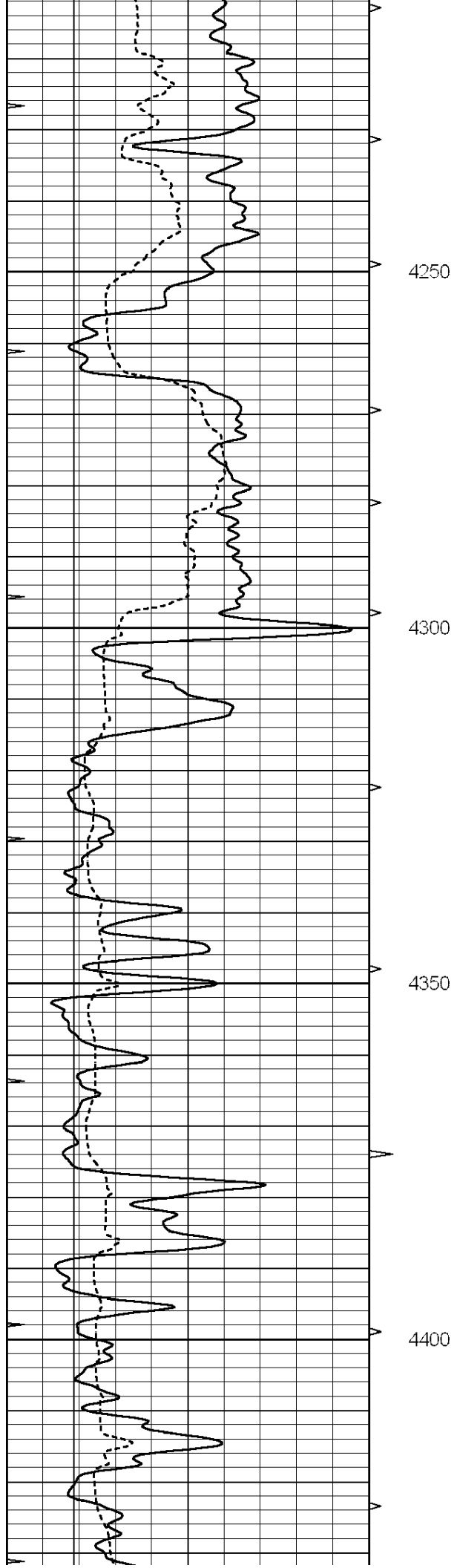


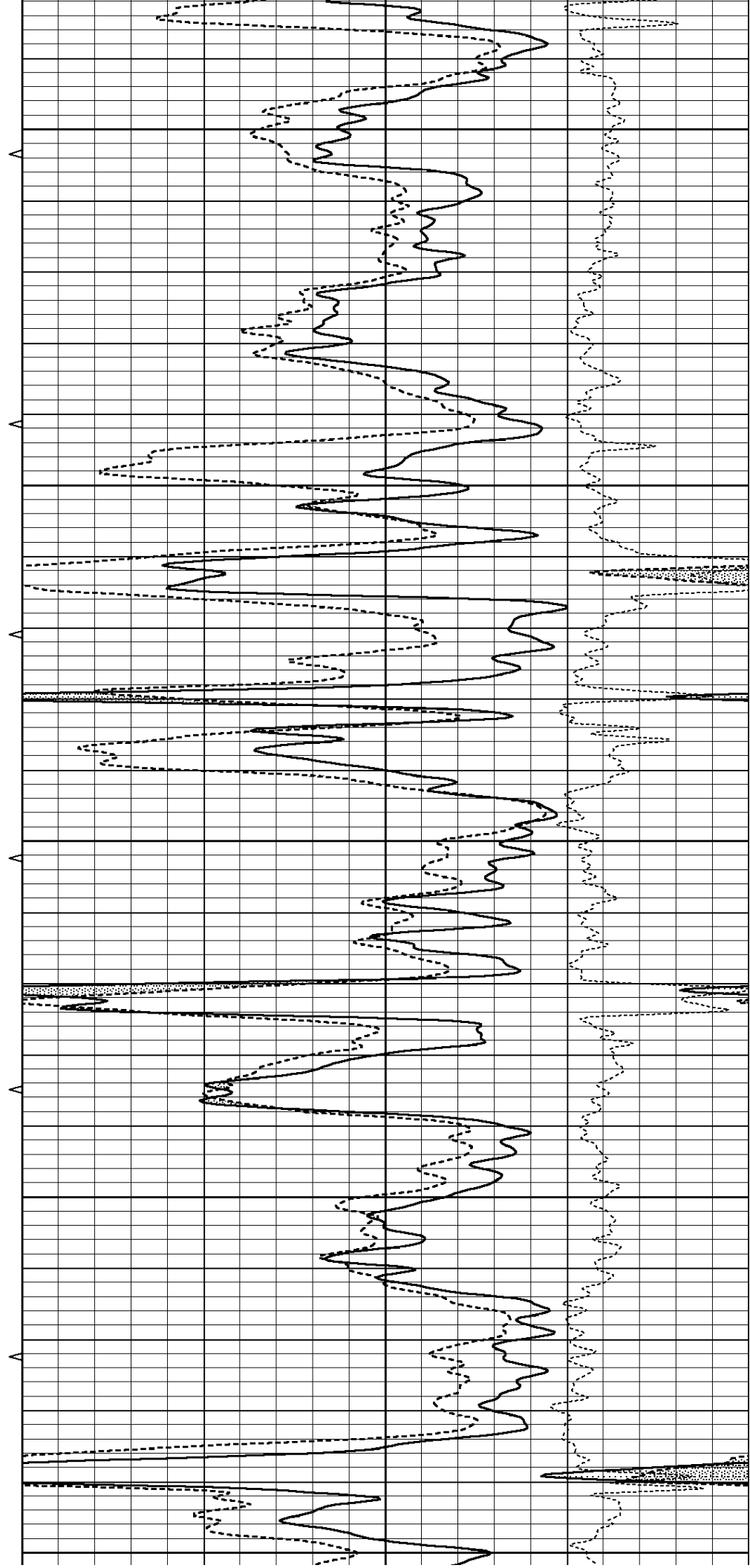
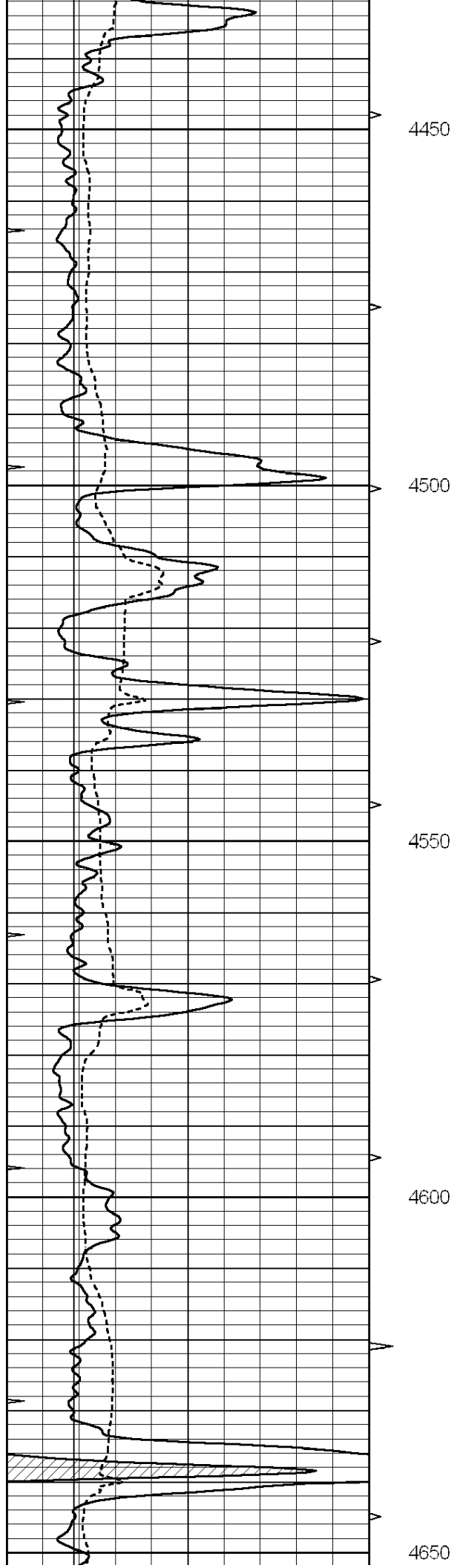


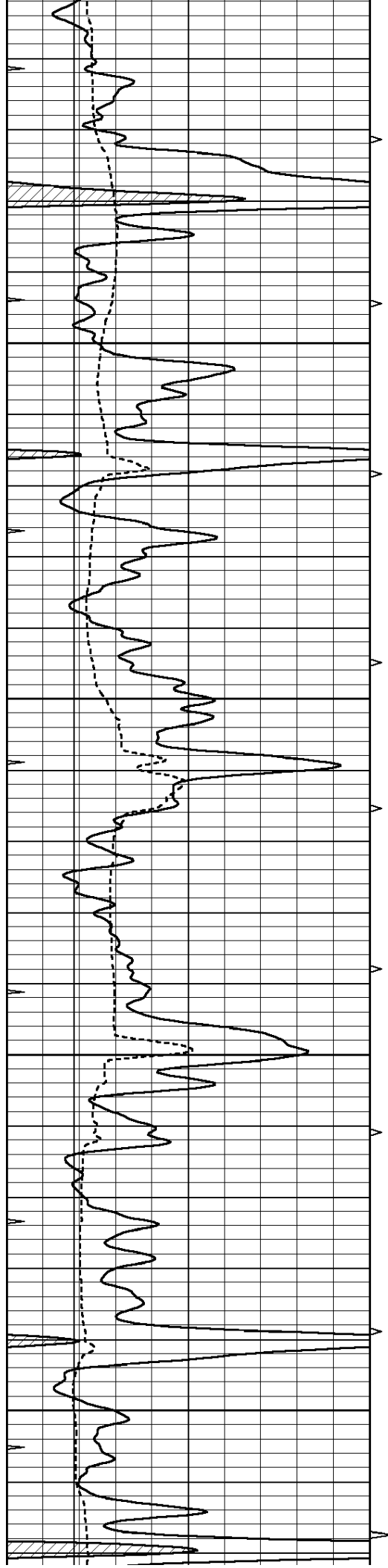










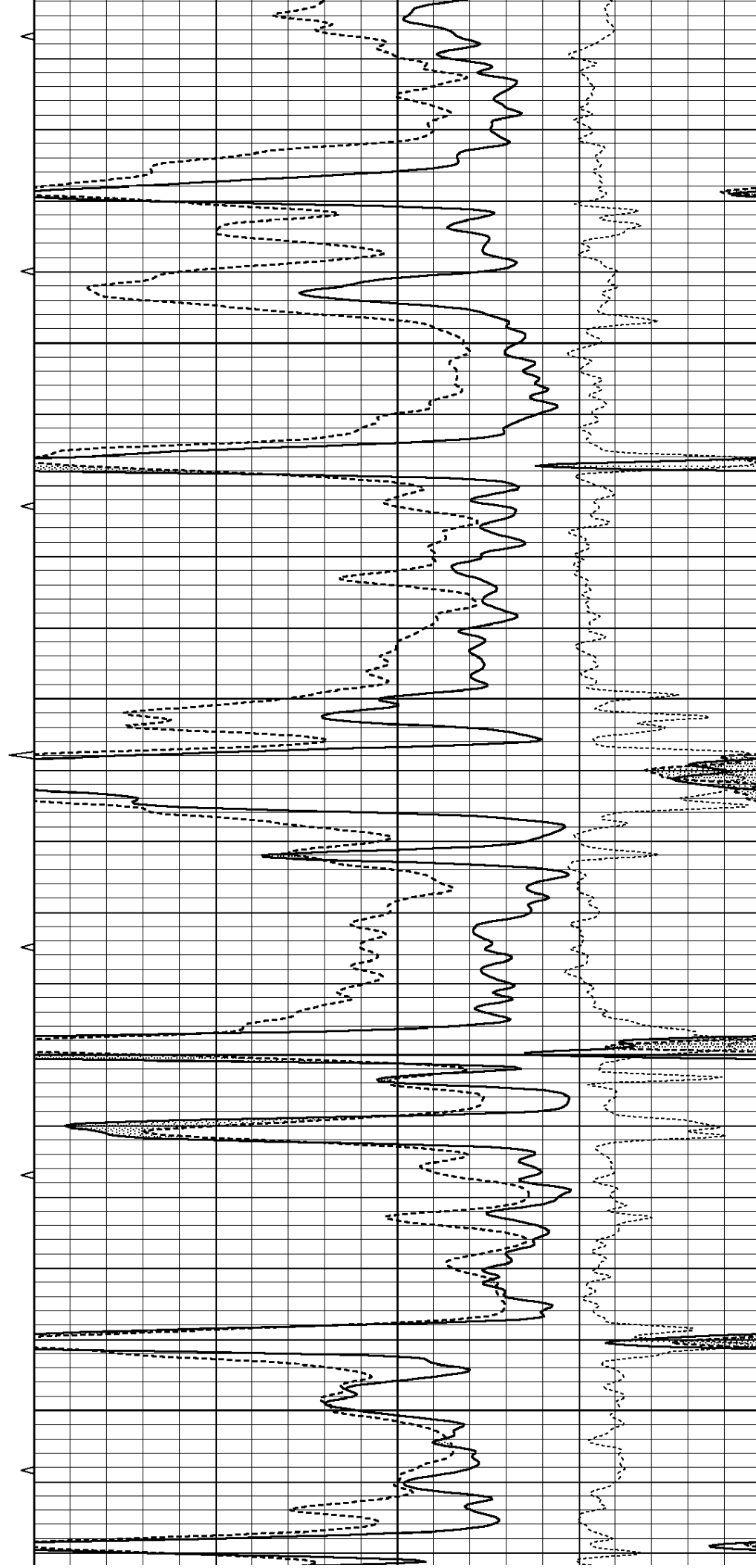


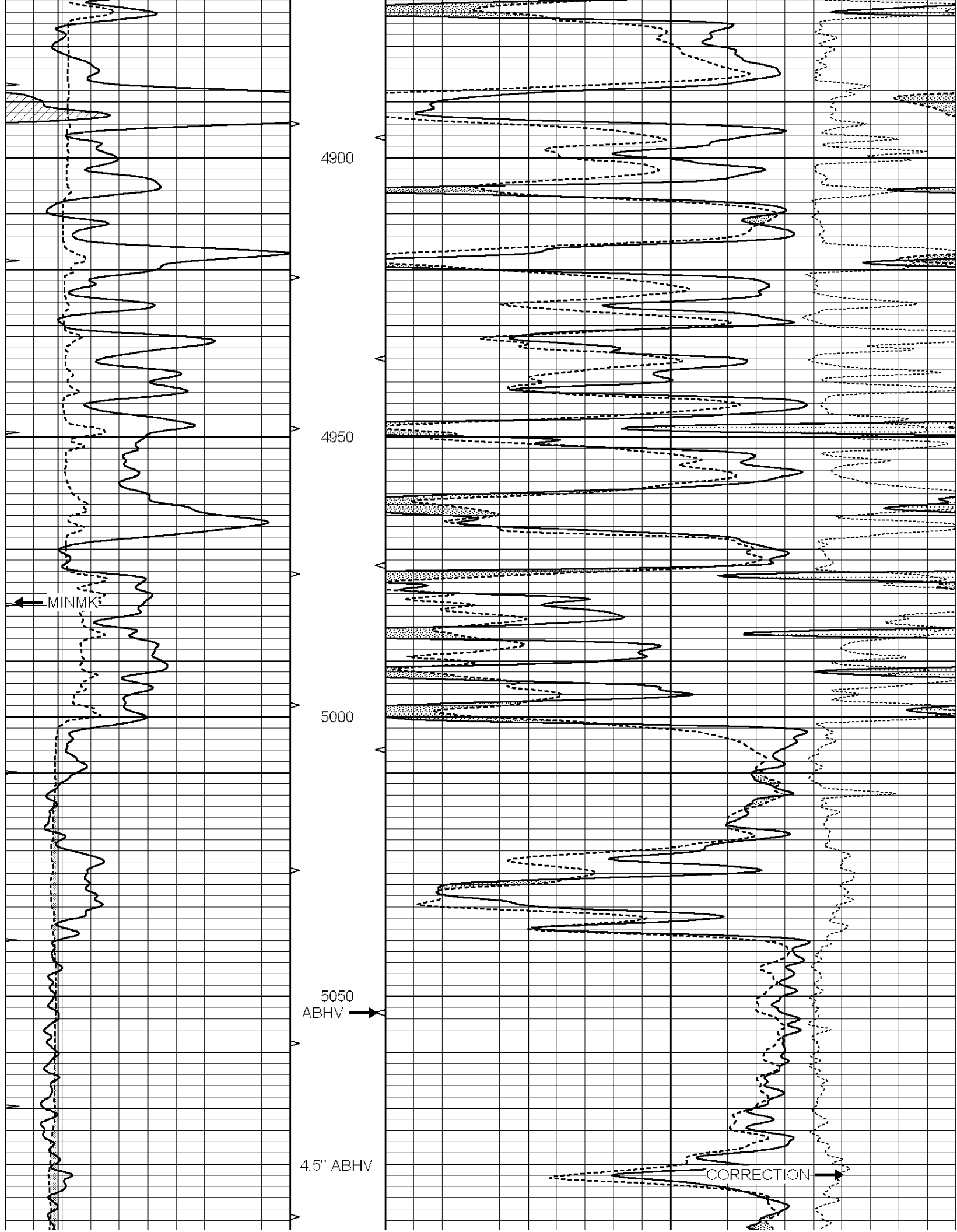
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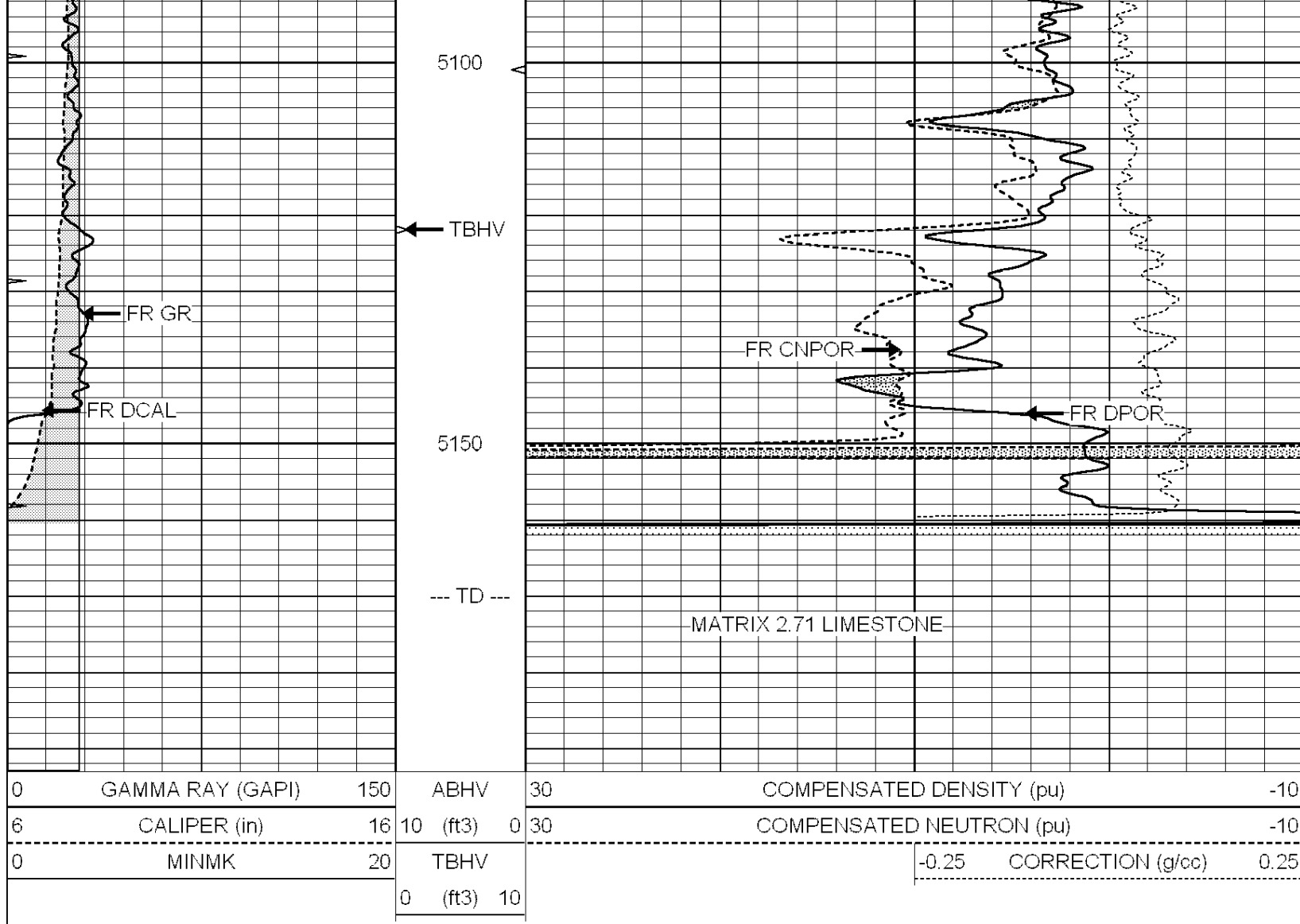
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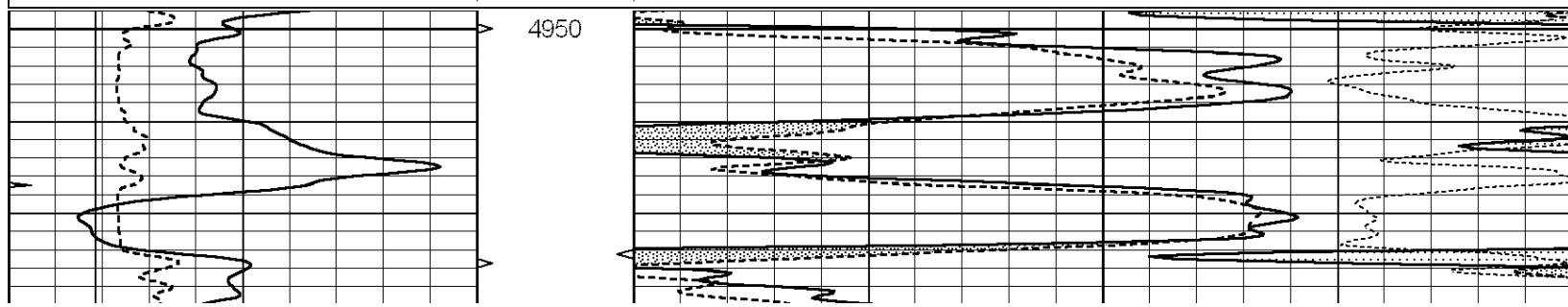


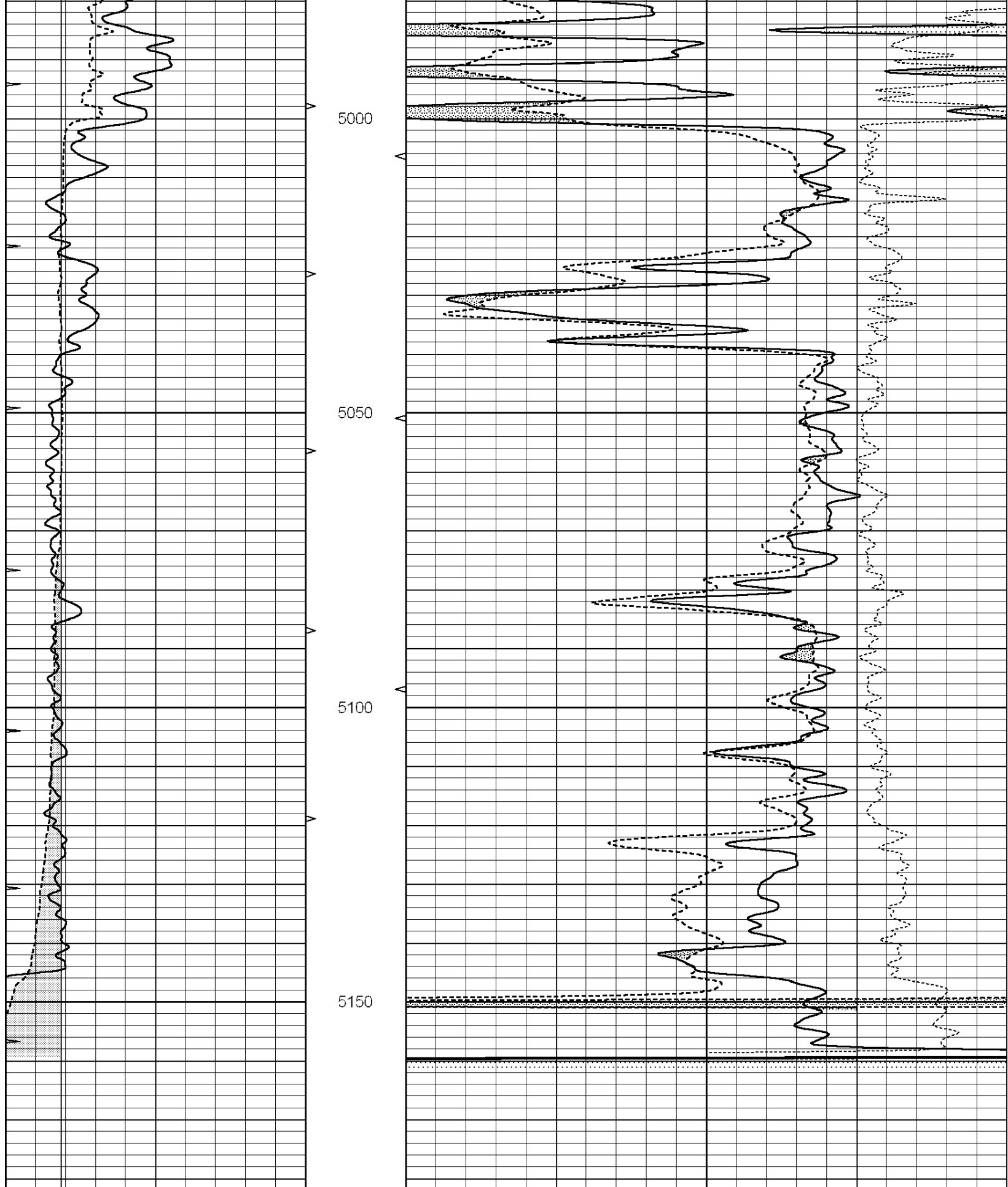
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REPEAT SECTION

Database File: 007744ddn.db
 Dataset Pathname: pass2.2
 Presentation Format: den_neu
 Dataset Creation: Sun Sep 25 21:12:24 2011 by Calc Open-Cased 090629
 Charted by: 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			





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 (ft3)	10		0.25

Calibration Report

Database File: 007744ddn.db
 Dataset Pathname: pass3.1A
 Dataset Creation: Sun Sep 25 22:16:45 2011

Dual Induction Calibration Report

Serial-Model: DIL2-GEAR
 Performed: Sun Sep 25 21:07:27 2011

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.667	V	0.000	400.000	mmho/m	530.000	5.000
Medium	-0.003	0.739	V	0.000	462.500	mmho/m	550.000	-6.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.658	V	0.000	400.000	mmho/m	609.010	-0.700
Medium	0.015	0.761	V	0.000	462.500	mmho/m	620.392	-9.326

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Sun Sep 25 21:06:43 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.580	g/cc	282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.569		
	Size		Reading		
Small Ring	9.00	in	3.44	V	
Large Ring	14.00	in	5.20	V	

Compensated Neutron Calibration Report

Serial Number: NUE_2I
 Tool Model: G

CALIBRATION

Detector	Readings		Target	Normalization	
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Sun Sep 25 21:06:08 2011

Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 0.6500 GAPI/cps

