



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	RITCHIE EXPLORATION, INC.		
Well	#1 SMITH 25A		
Field			
County	WICHITA	State	KANSAS
Location:	API # : 15-203-20714		Other Services
	338' FNL & 2150' FEL		DIL
	SEC 25 TWP 17S RGE 35W		
Permanent Datum	GROUND LEVEL	Elevation	3156
Log Measured From	KELLY BUSHING 10' A.G.L.	K.B. D.F.	3166
Drilling Measured From	KELLY BUSHING	G.L.	3156
Date	4-19-12		
Run Number	ONE		
Depth Driller	4985		
Depth Logger	4984		
Bottom Logged Interval	4960		
Top Log Interval	3600		
Casing Driller	253		
Casing Logger	253		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5 / 59		
pH / Fluid Loss	9.5 / 8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.70 @ 84F		
Rmf @ Meas. Temp	0.53 @ 84F		
Rmc @ Meas. Temp	0.84 @ 84F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.470 @ 125F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:30 P.M.		
Maximum Recorded Temperature	125F		
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: SCOTT CITY, W TO WICHITA CO. LINE, 7 1/2N, W INTO.

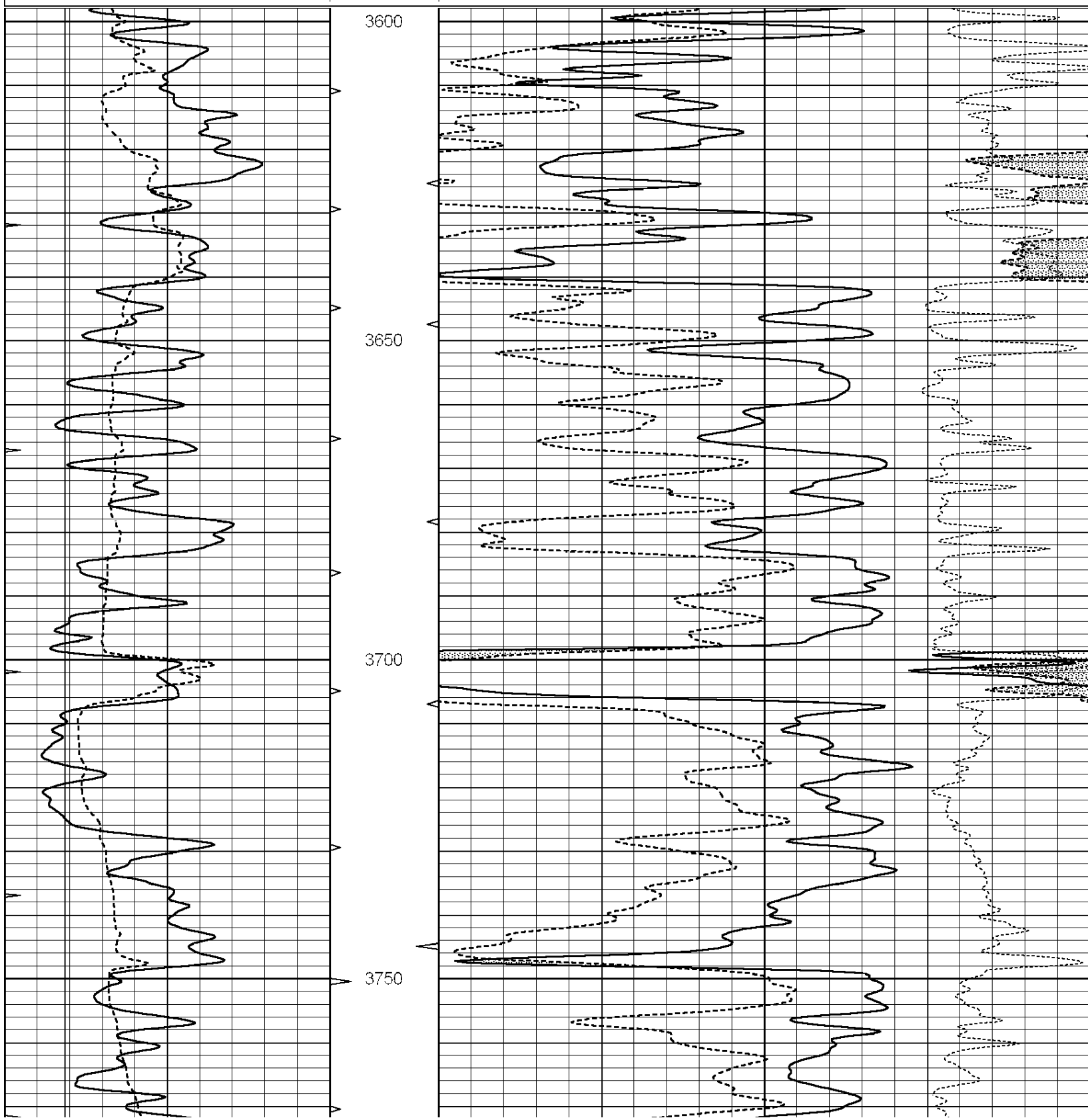


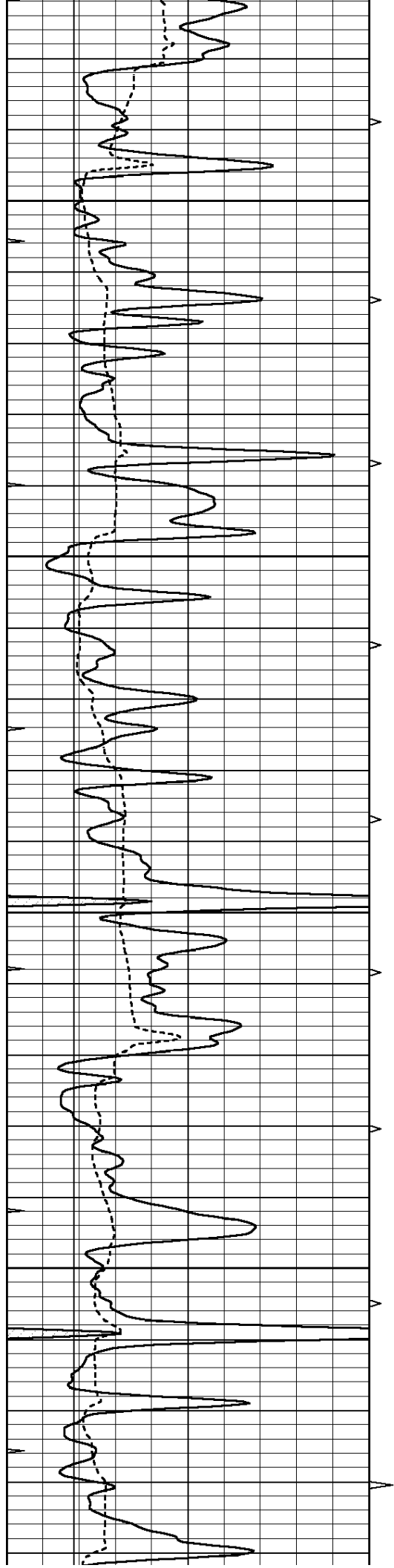
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MAIN SECTION

Database File: 008721ddn.db
Dataset Pathname: pass5.1A
Presentation Format: den_neu
Dataset Creation: Thu Apr 19 21:20:08 2012
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		



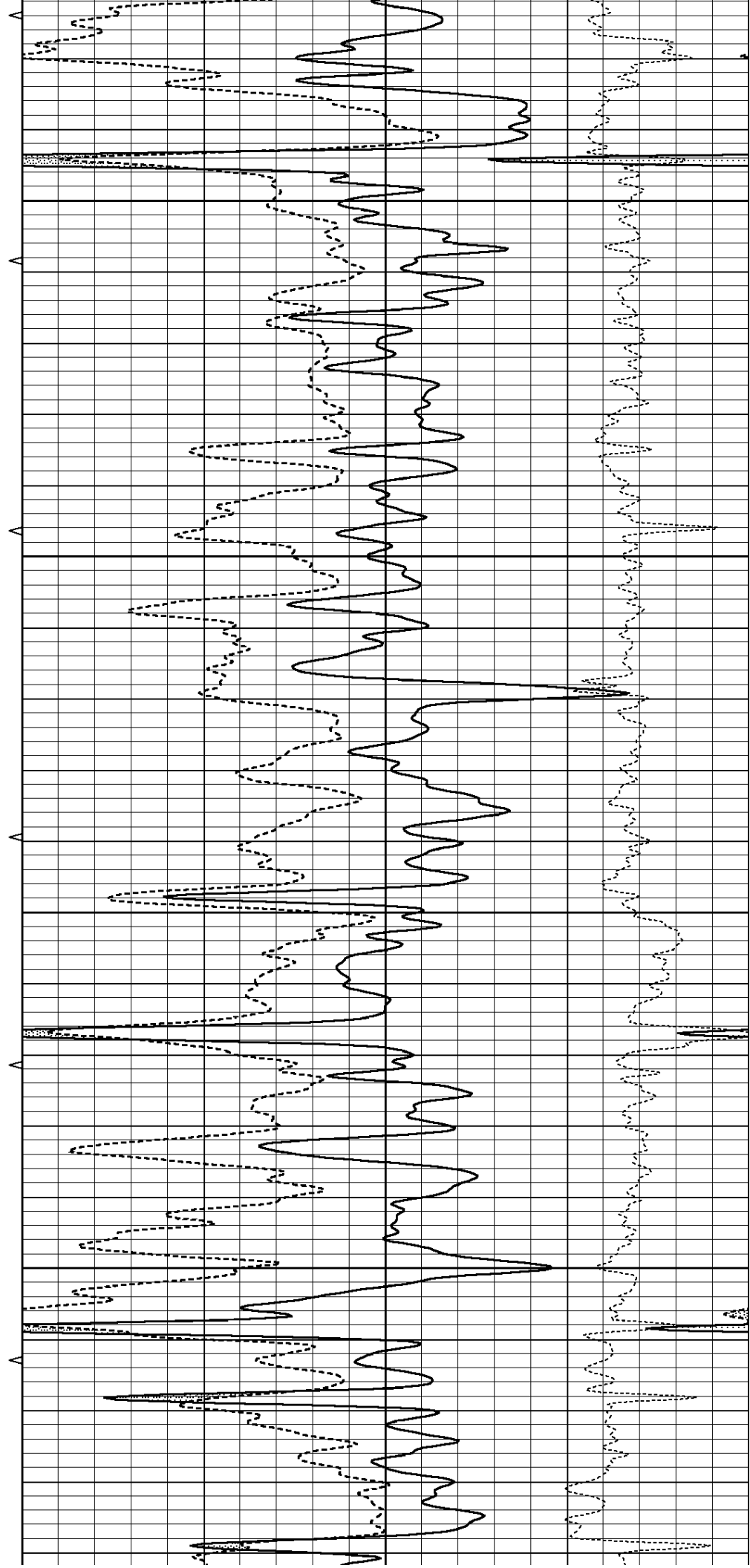


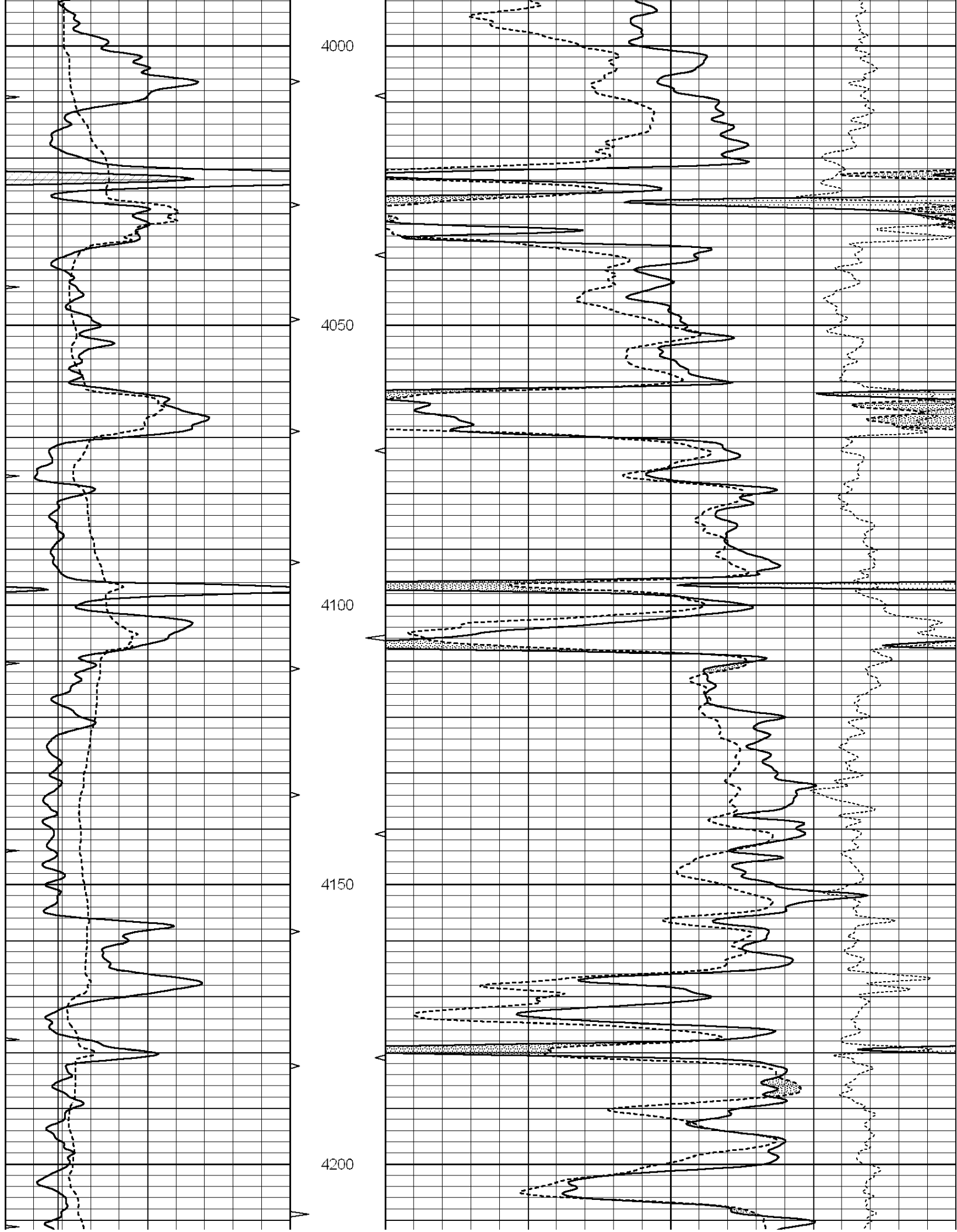
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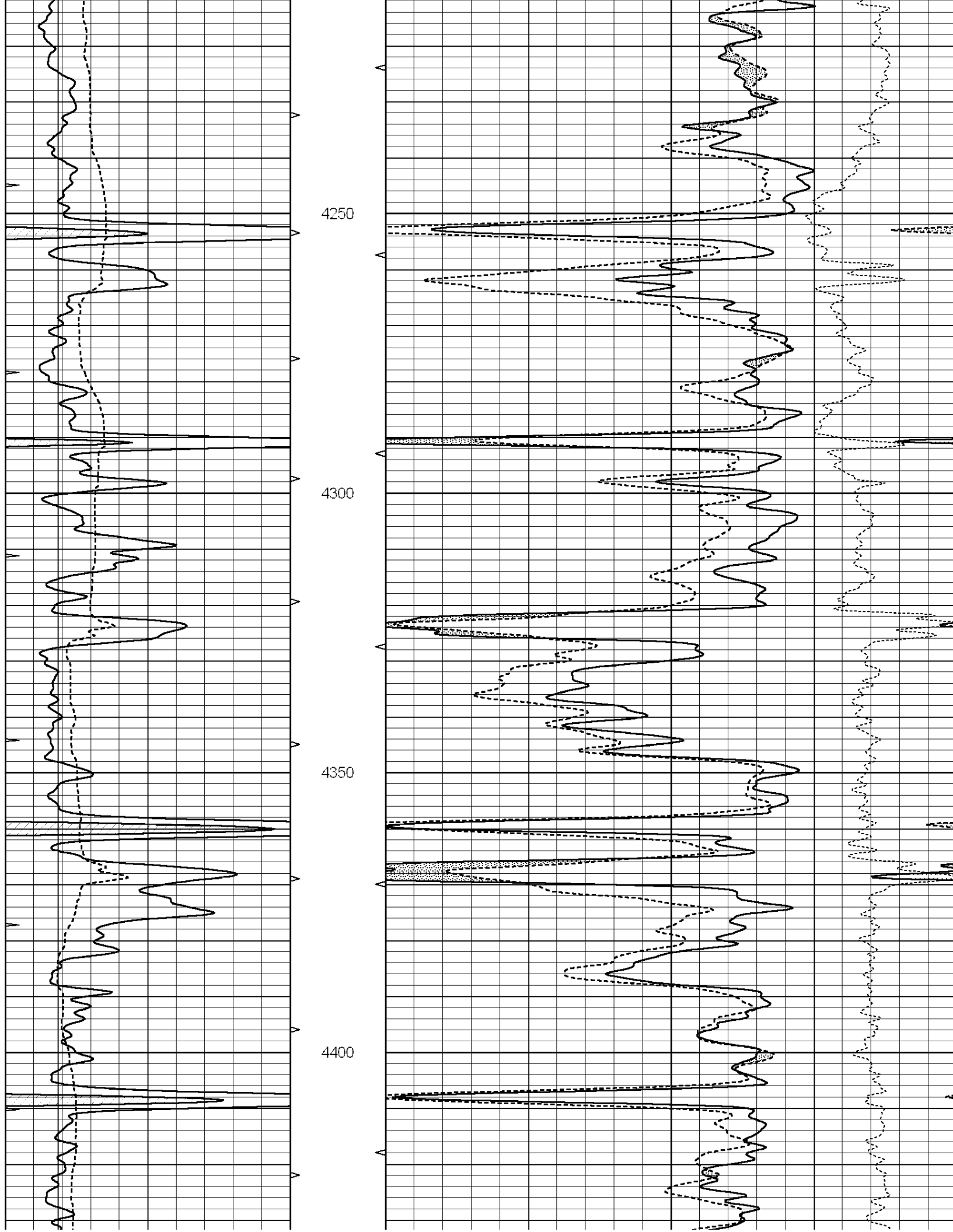
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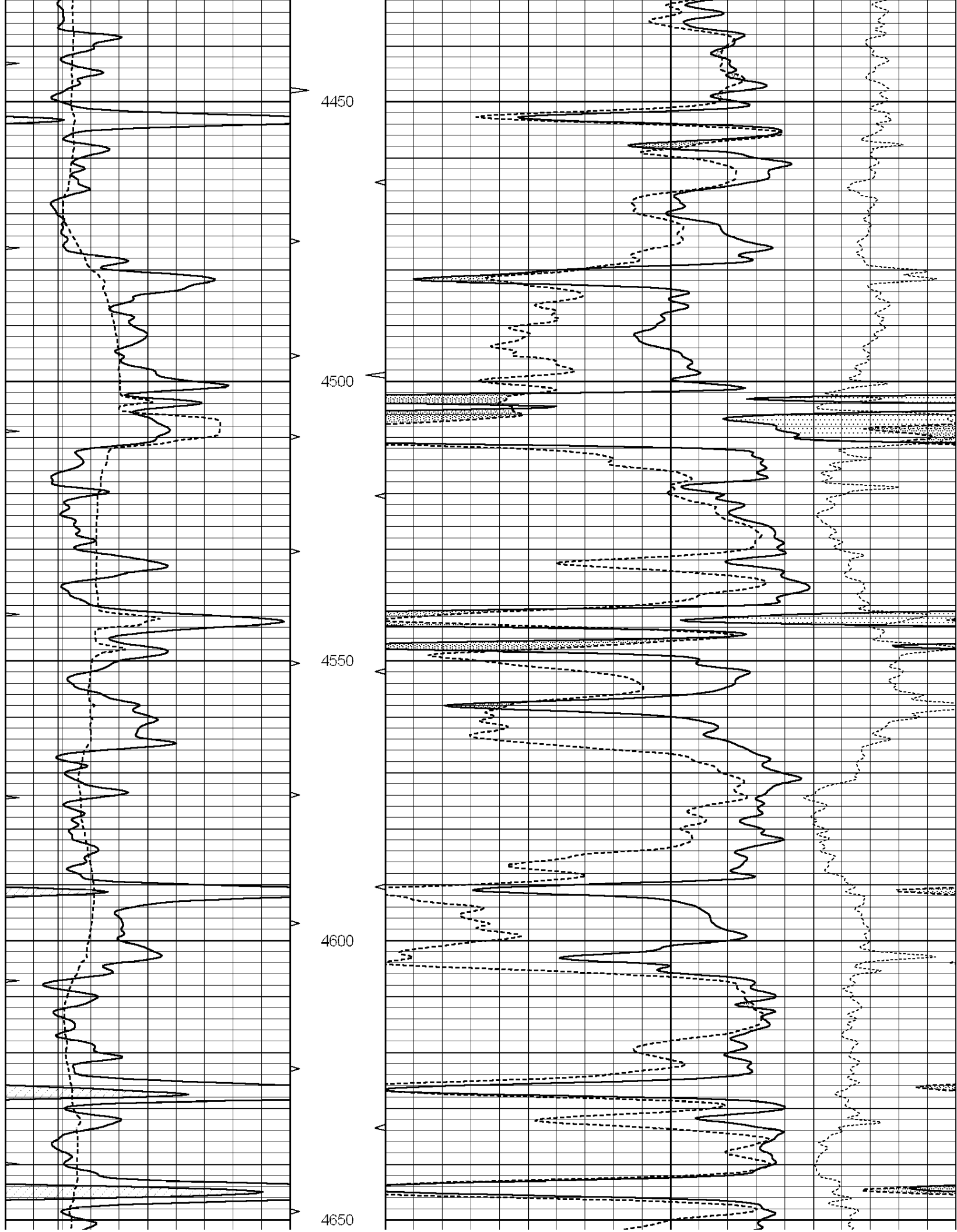
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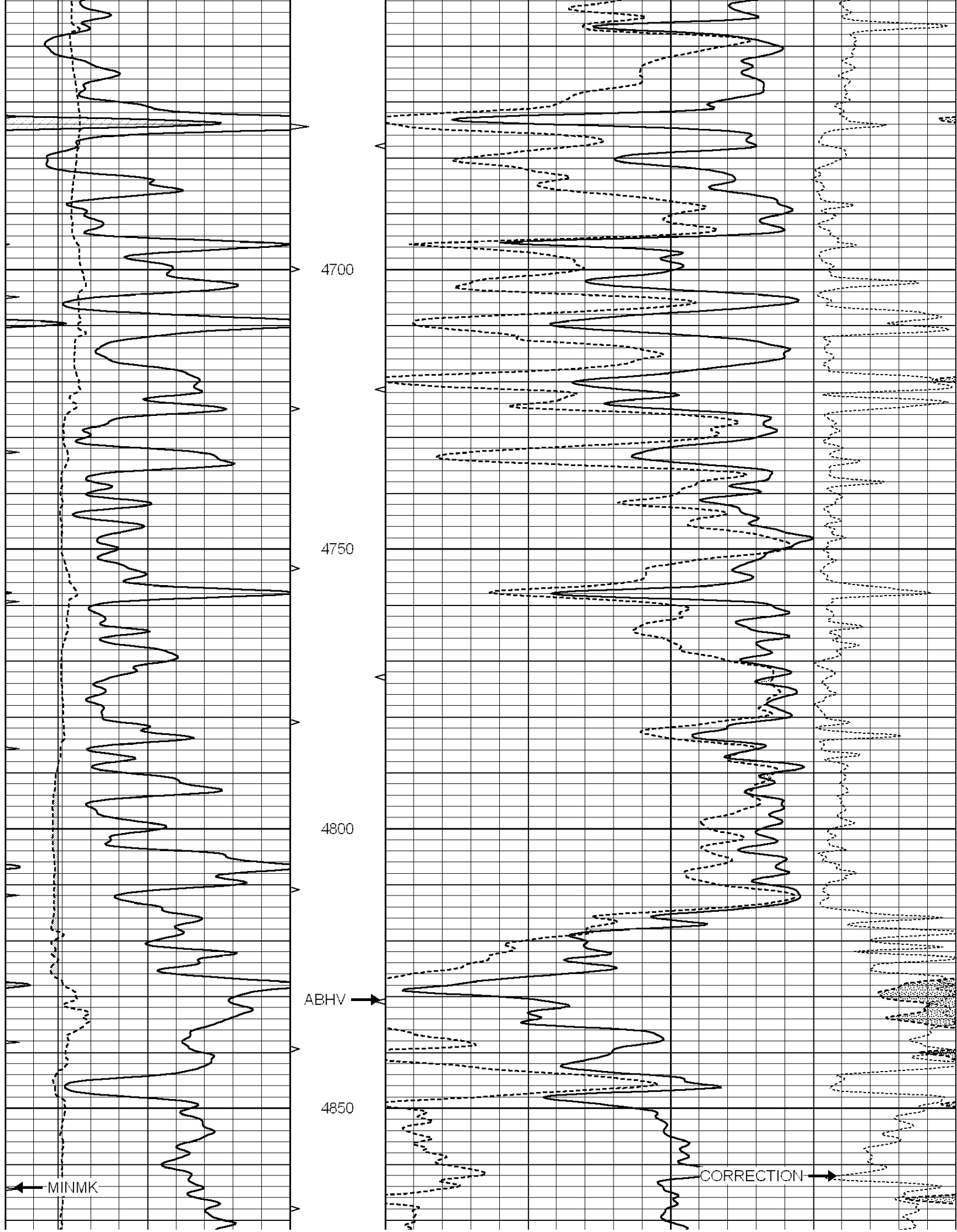
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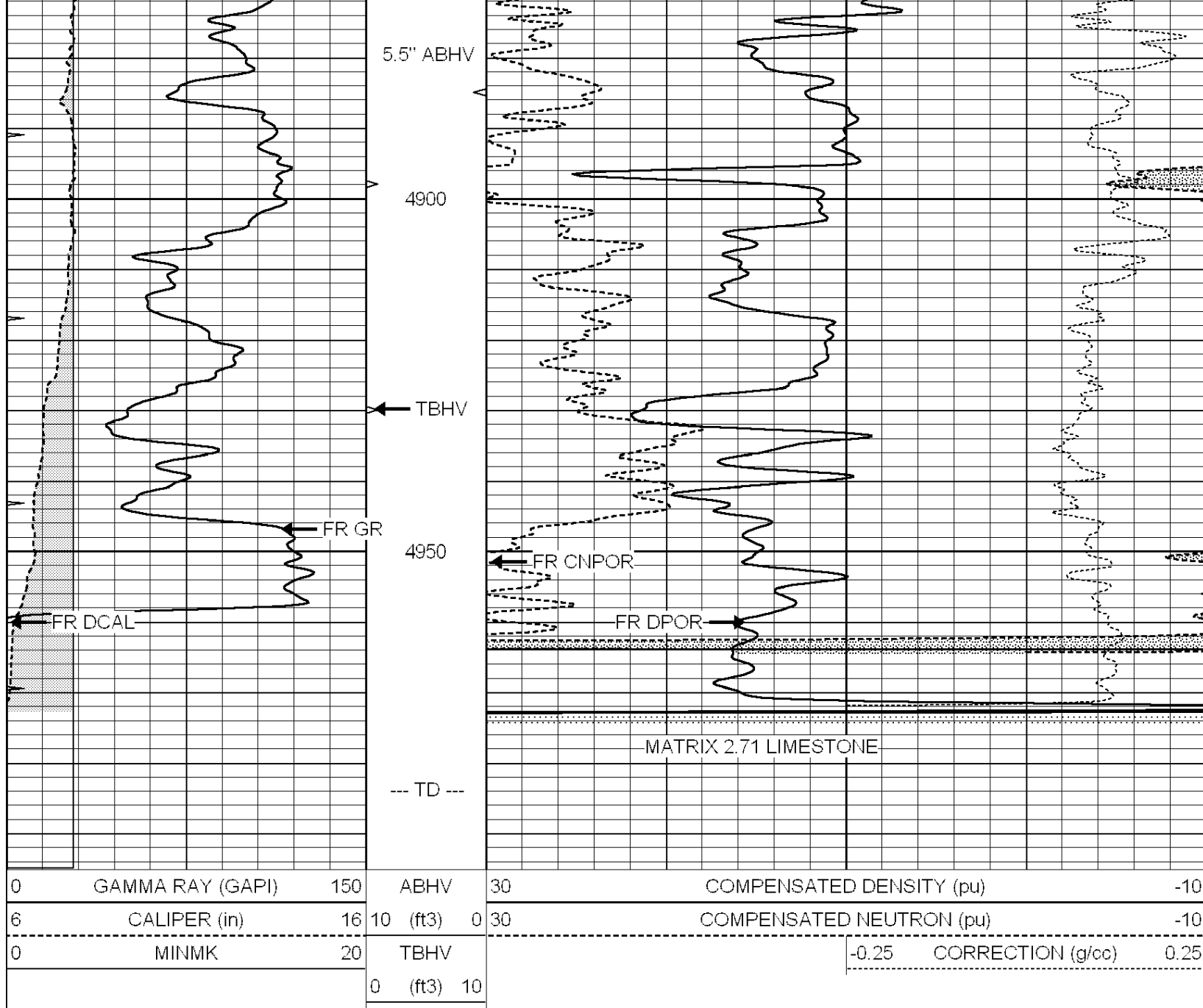








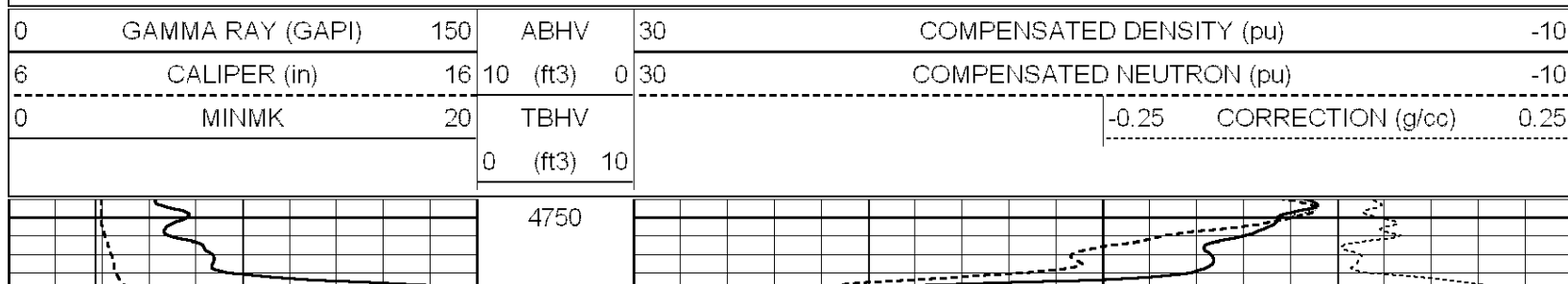


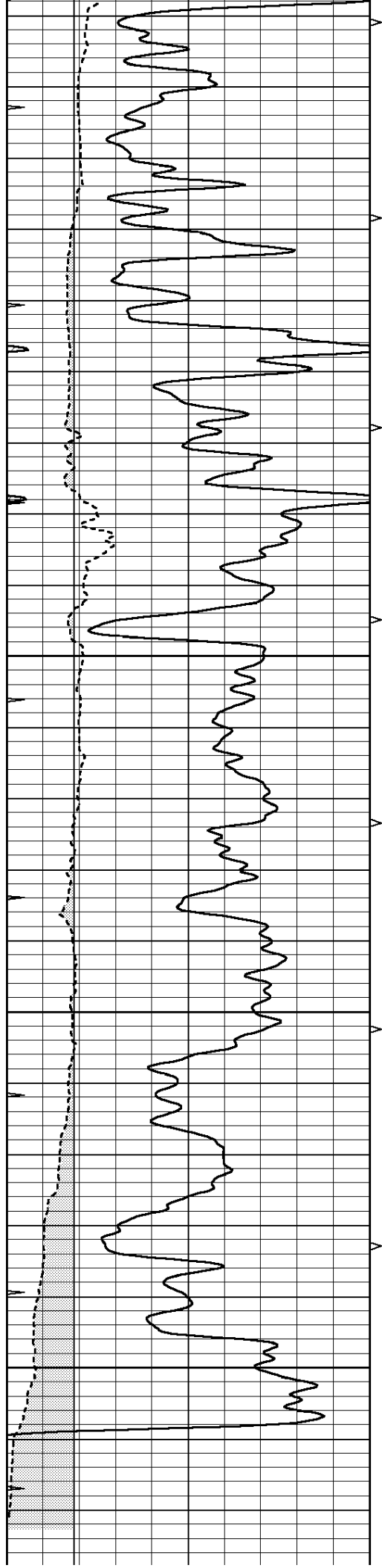


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REPEAT SECTION

Database File: 008721ddn.db
 Dataset Pathname: pass4.1A
 Presentation Format: den_neu
 Dataset Creation: Thu Apr 19 21:26:30 2012
 Charted by: Depth in Feet scaled 1:240



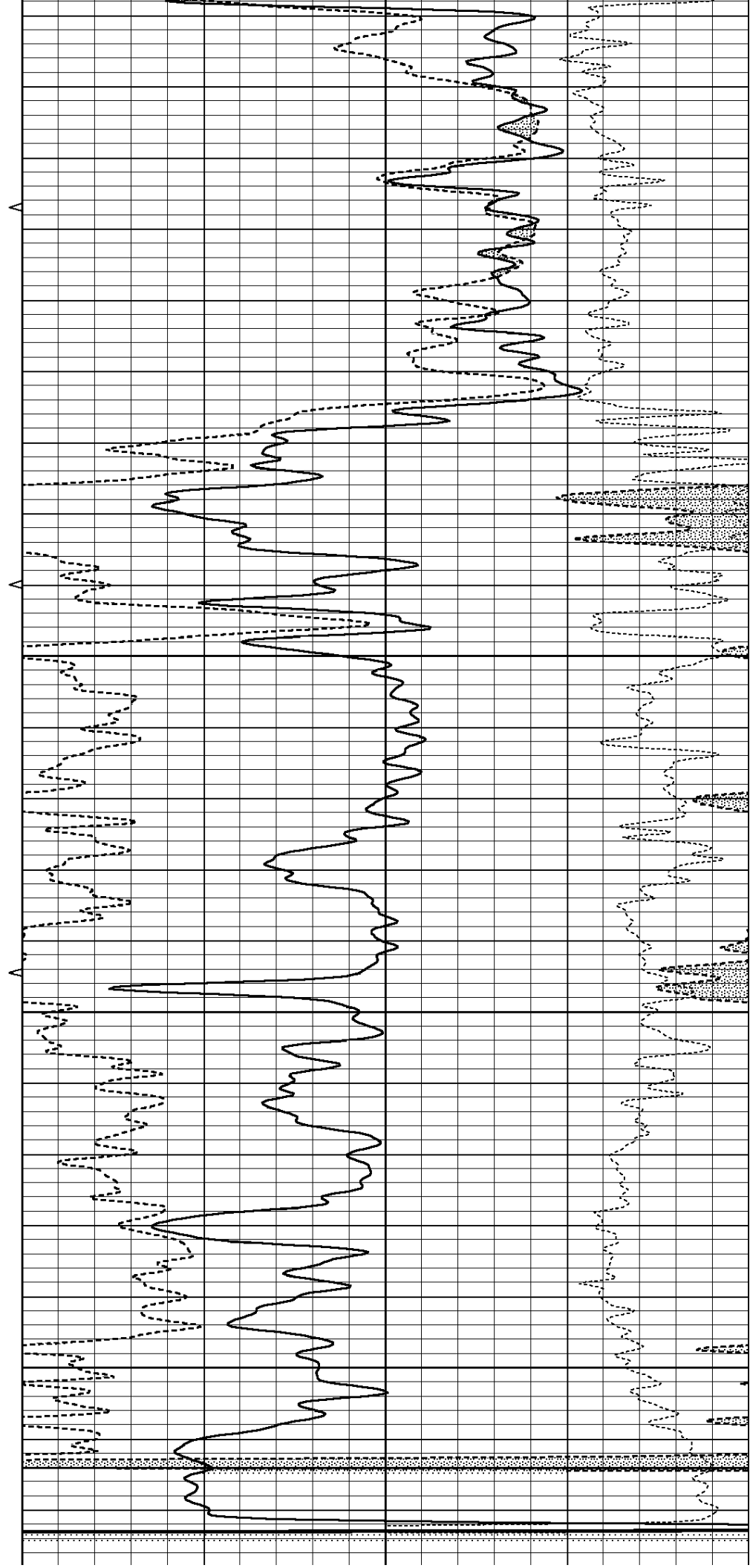


4800

4850

4900

4950



Master Calibration			
	Demister	Far Detector	Near Detector

	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	9.70	in		3.50	V	
Large Ring	16.00	in		5.30	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:	Thu Apr 19 20:06:57 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps