



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
PE LOG

Company RED OAK ENERGY, INC.
Well SCHUSTER #1
Field WILDCAT
County SEDGWICK
State KANSAS

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Field WILDCAT
County SEDGWICK State KANSAS

Location: API # : 15-173-21006-0000
990' FSL & 1980' FEL
N/2 - SW - SE
SEC 8 TWP 29S RGE 3W
Permanent Datum GROUND LEVEL Elevation 1320
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
SONIC
Elevation
K.B. 1328
D.F. 1326
G.L. 1320

Date	10/20/11	
Run Number	ONE	
Depth Driller	4360	
Depth Logger	4360	
Bottom Logged Interval	4336	
Top Log Interval	2800	
Casing Driller	8 5/8" @ 289'	
Casing Logger	284	
Bit Size	7 7/8"	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM
Density / Viscosity	9.145	
pH / Fluid Loss	10.5/10.0	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.600 @ 84F	
Rmt @ Meas. Temp	.450 @ 84F	
Rmc @ Meas. Temp	.720 @ 84F	
Source of Rmt / Rmc	MEASUREMENT	
Rm @ BHT	.424 @ 119F	
Time Circulation Stopped	4 HOURS	
Time Logger on Bottom	6:45 P.M.	
Maximum Recorded Temperature	119F	
Equipment Number	4010	
Location	HAYS, KANSAS	
Recorded By	JEFF LUEBBERS	
Witnessed By	TIM PRIEST	NATHAN CALDWELL

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
VIOLA, KS. 3N. OF HWY 42, 1 1/2W., N. INTO

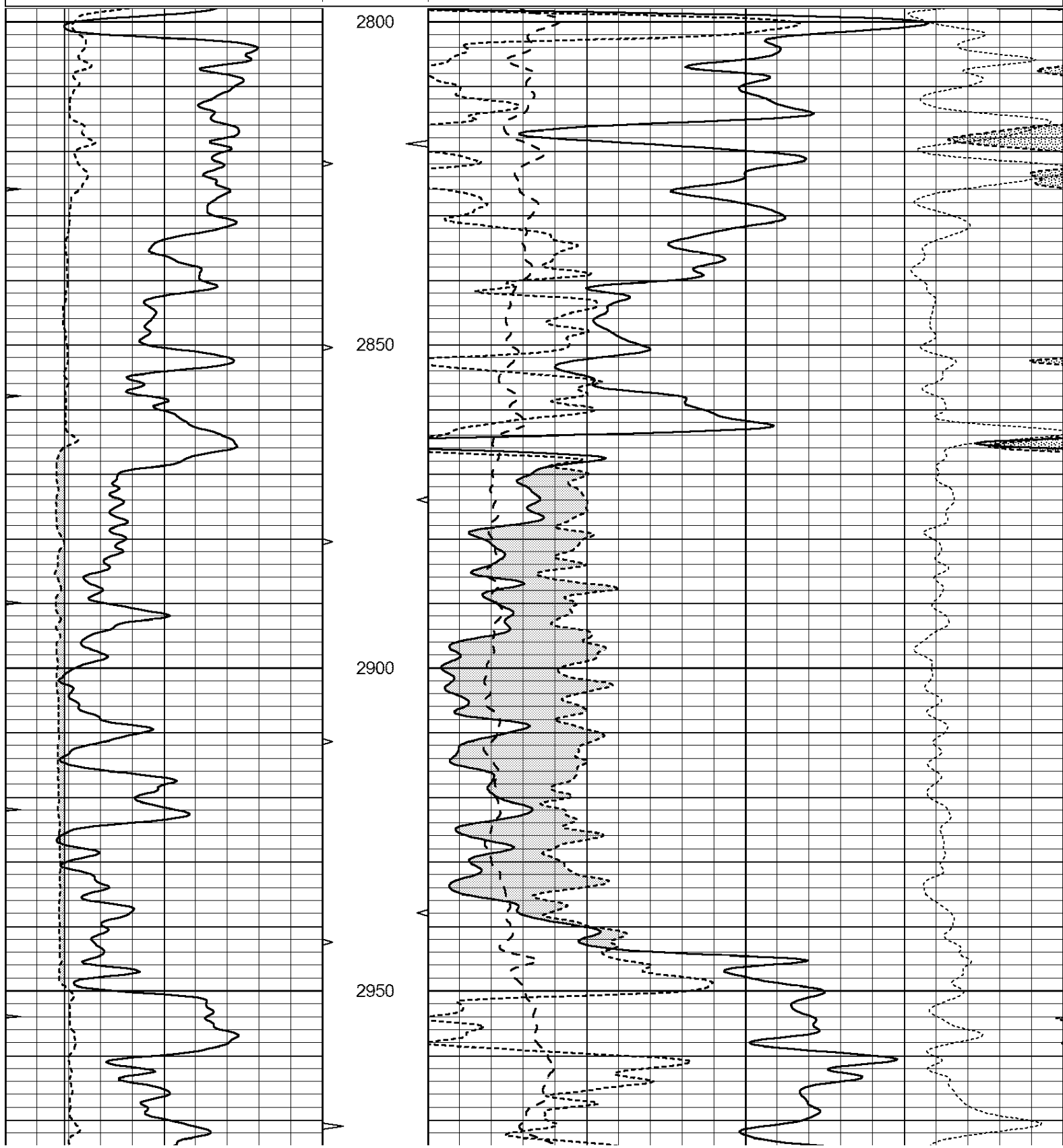


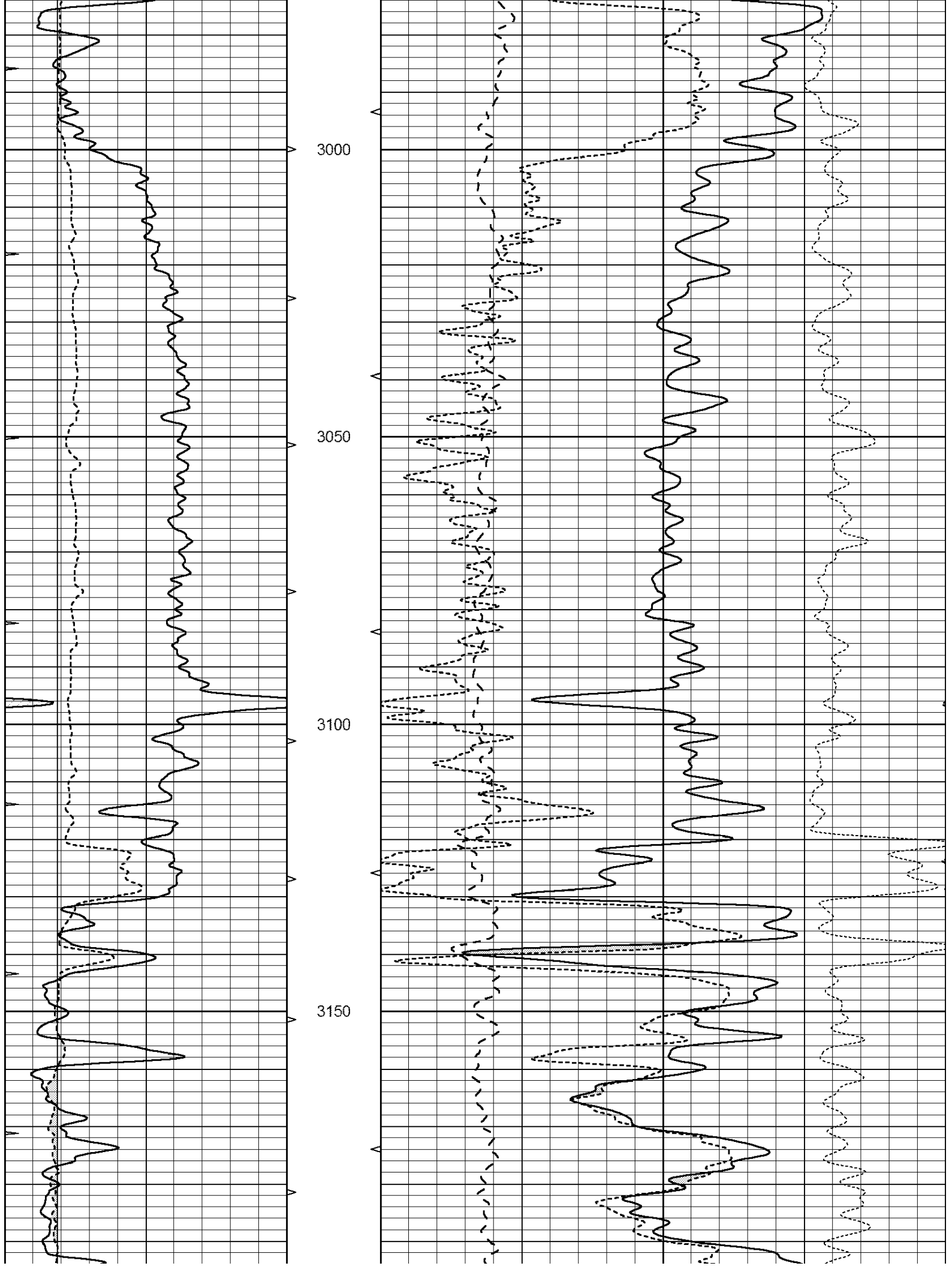
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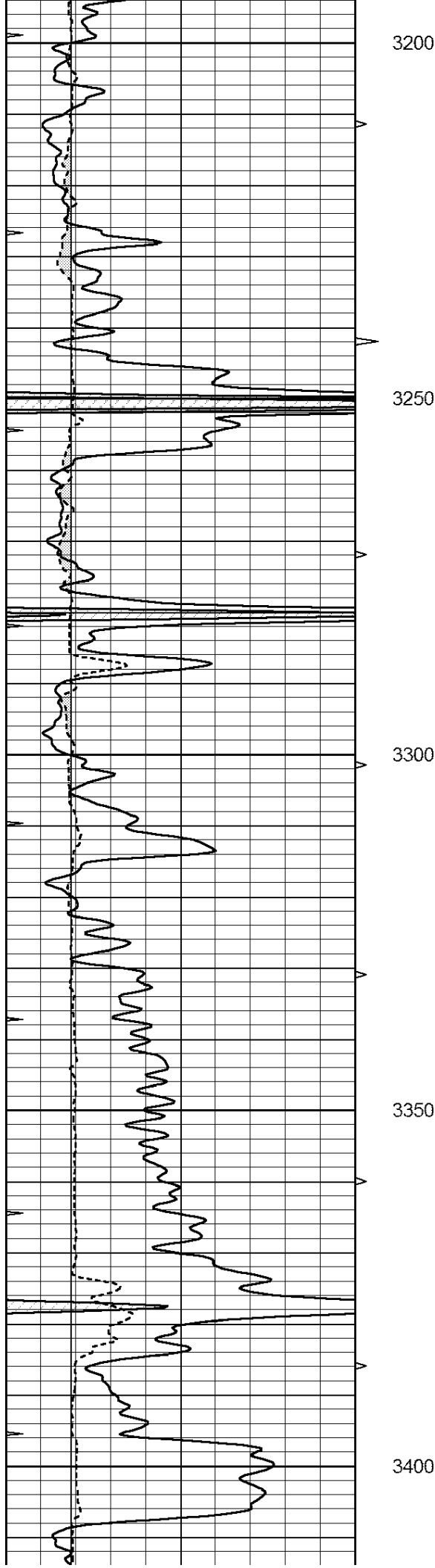
MAIN SECTION

Database File: 007466pe.db
Dataset Pathname: pass4.10
Presentation Format: ldt_neu
Dataset Creation: Thu Oct 20 22:19:04 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	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			







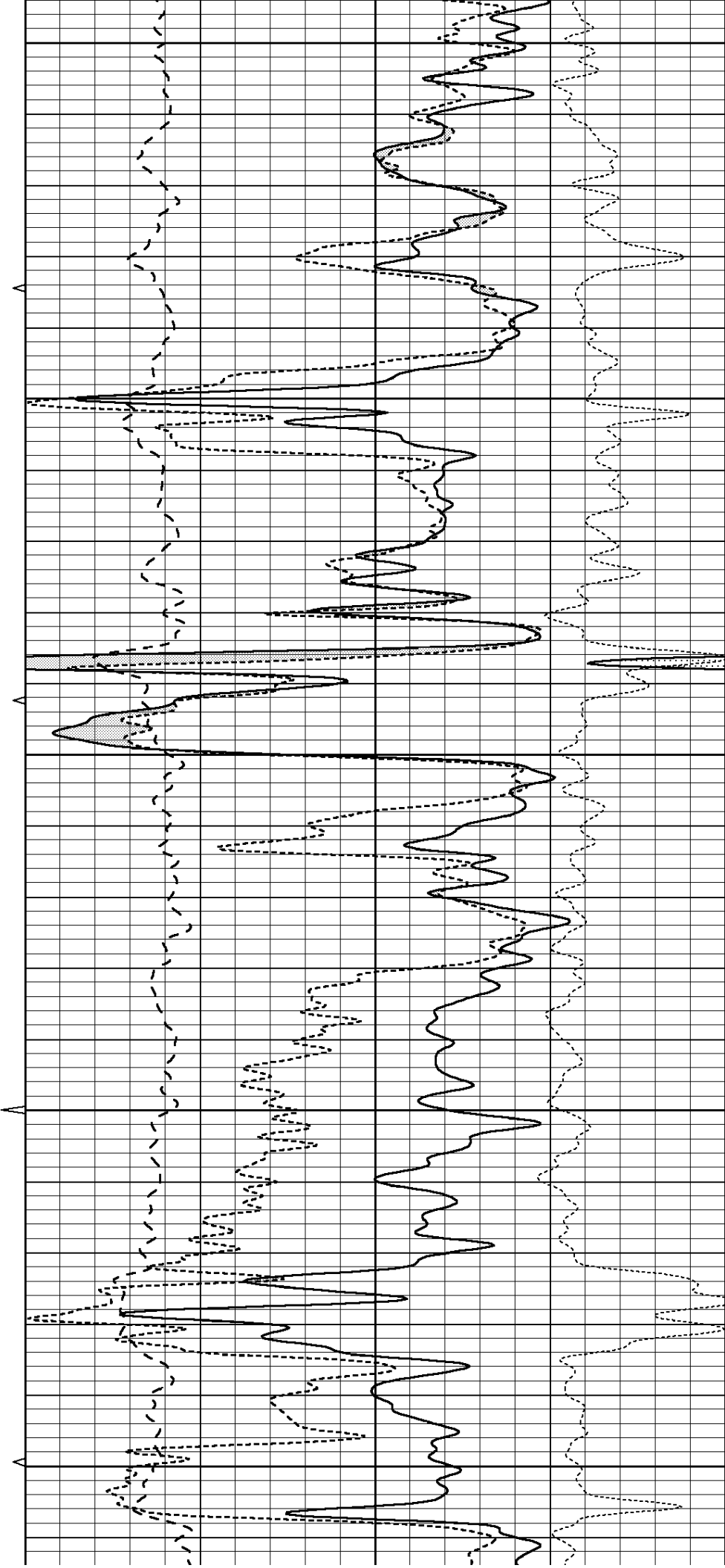
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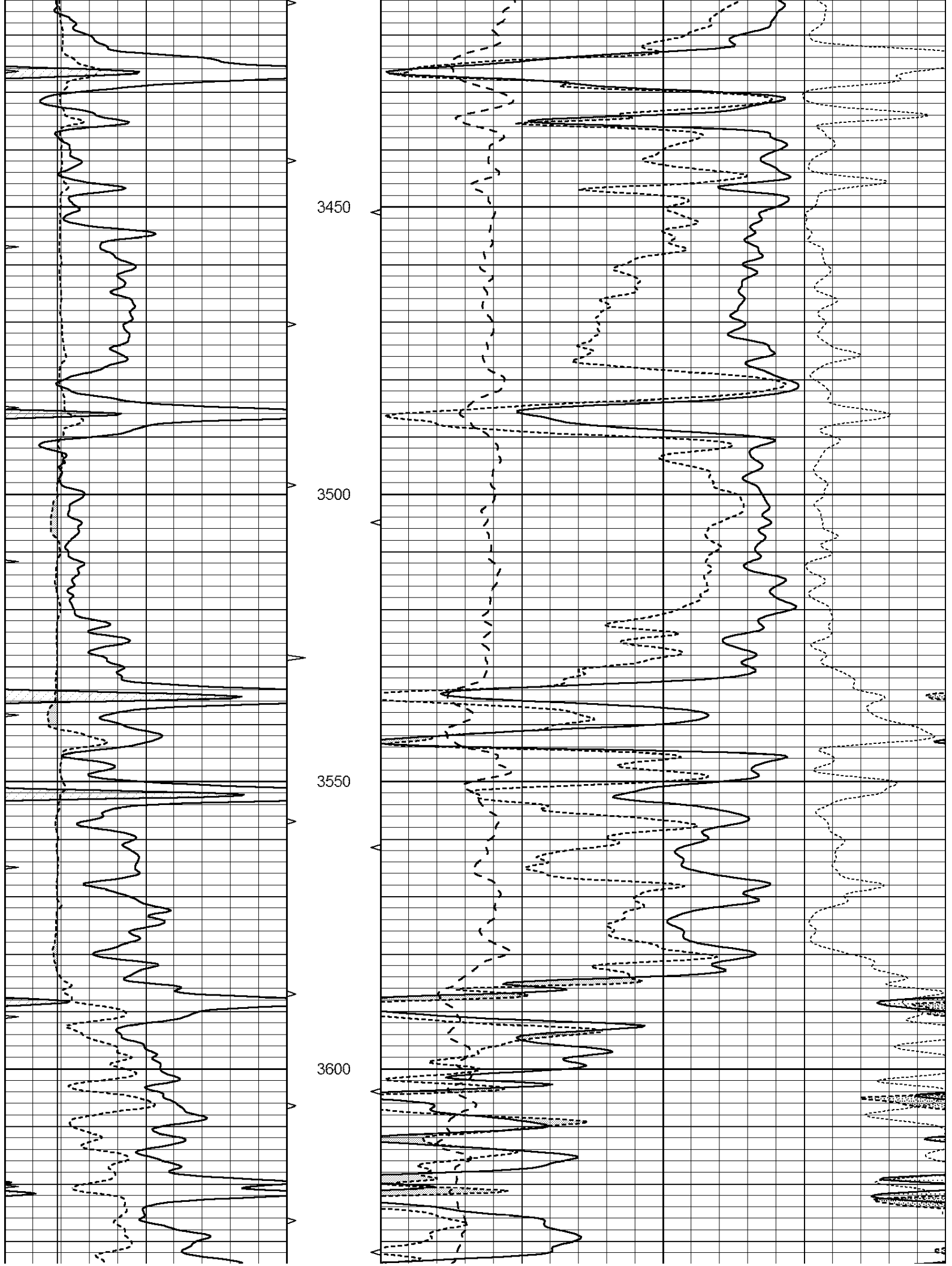
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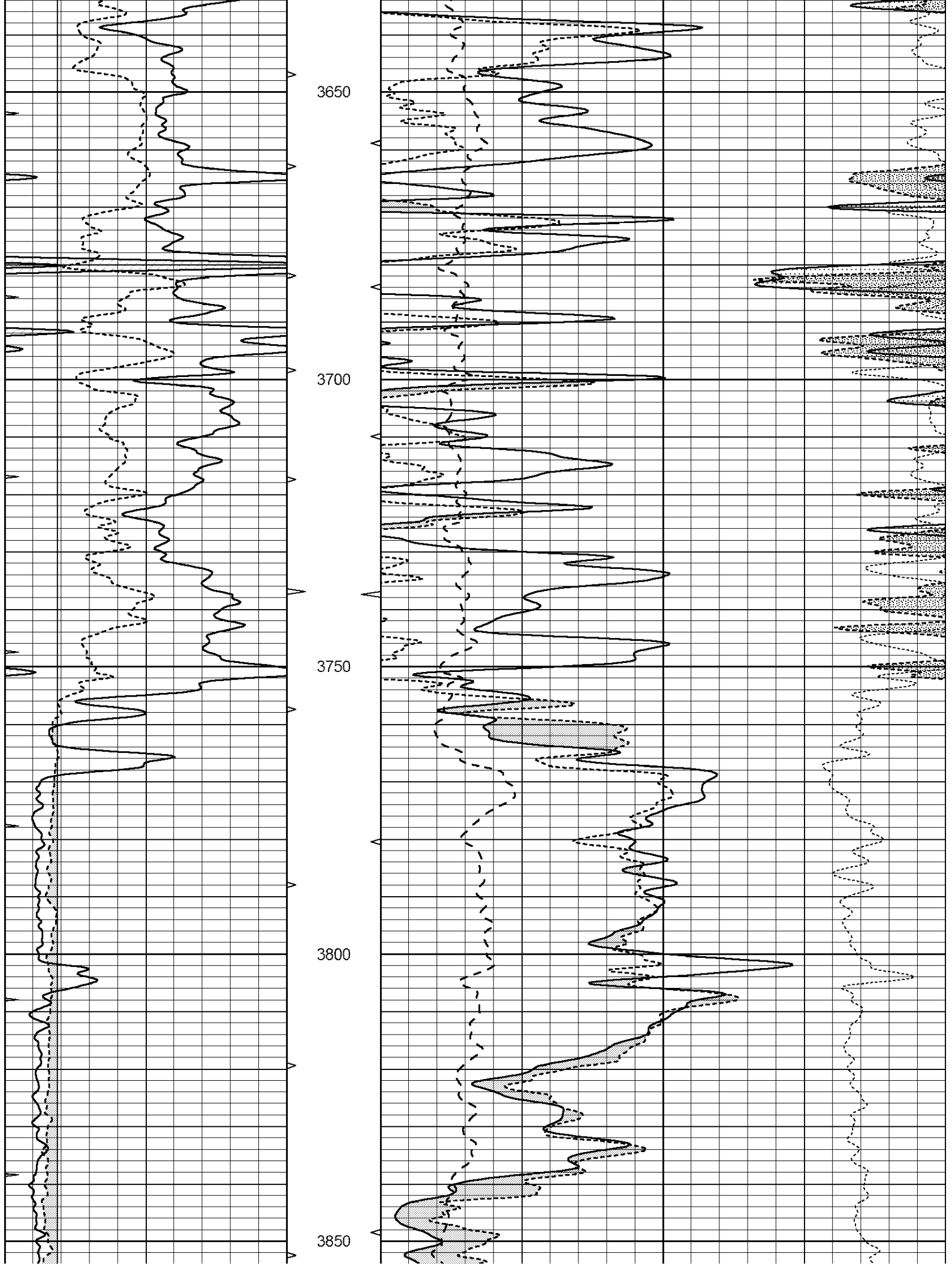
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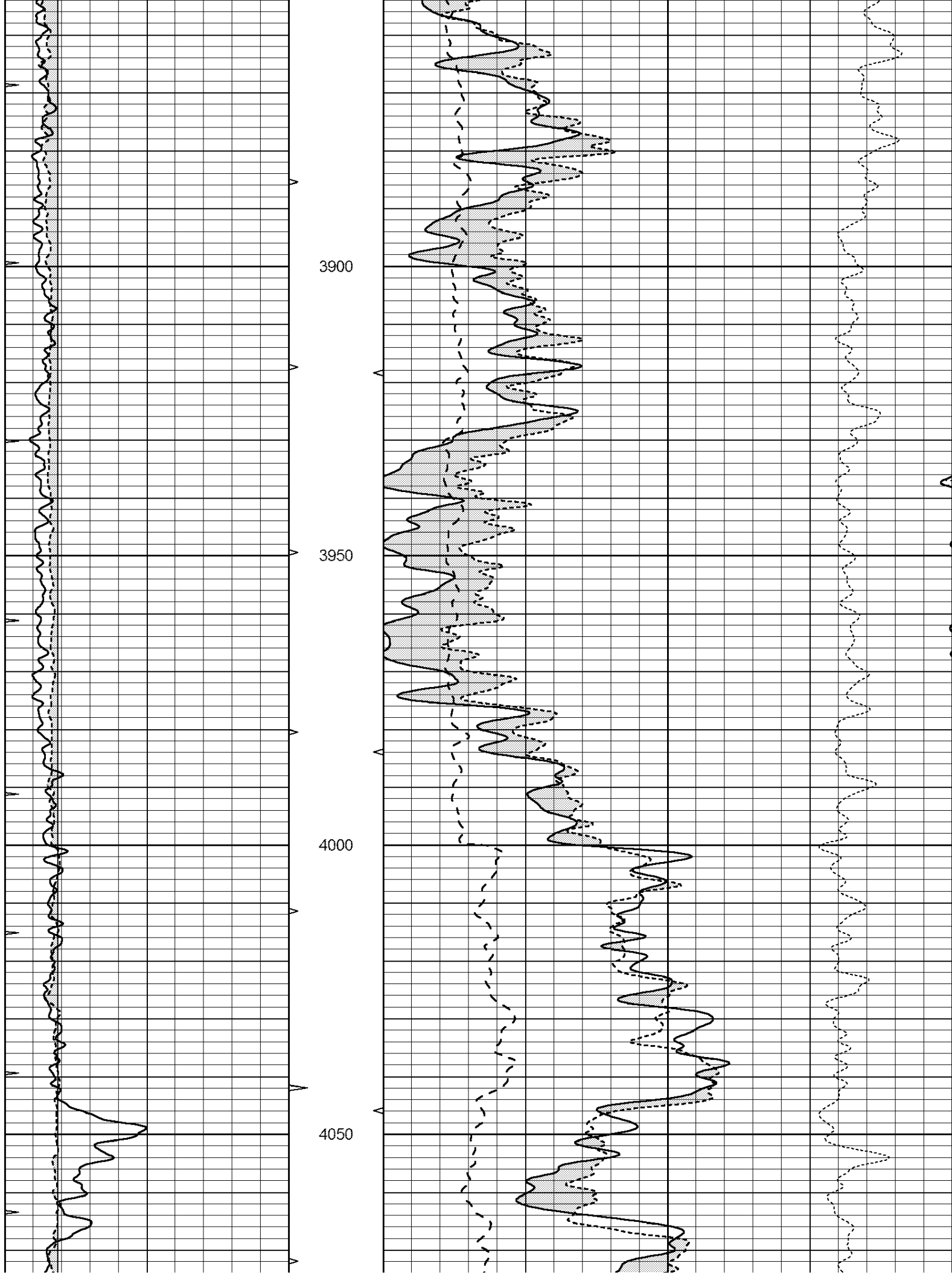
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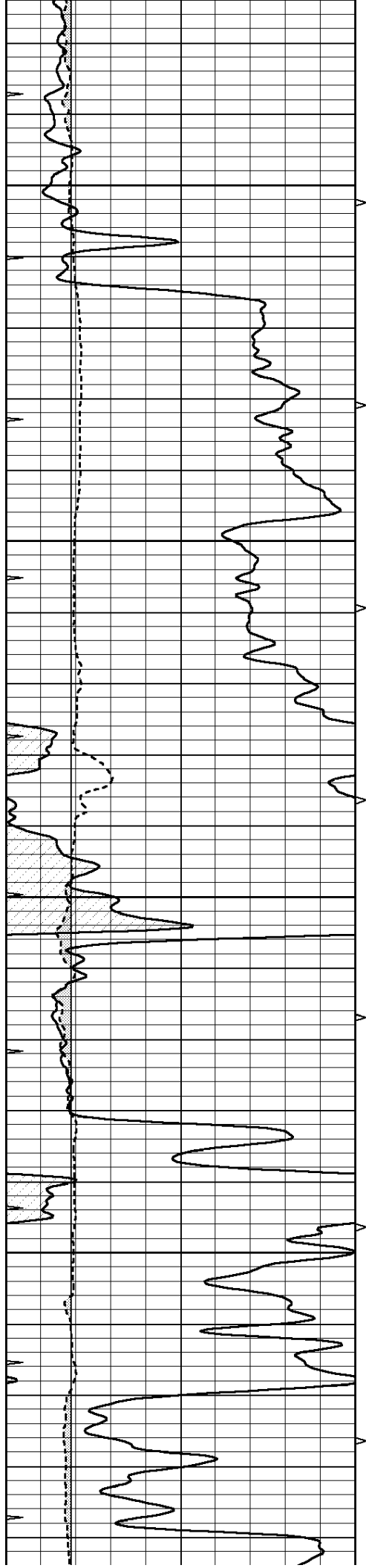
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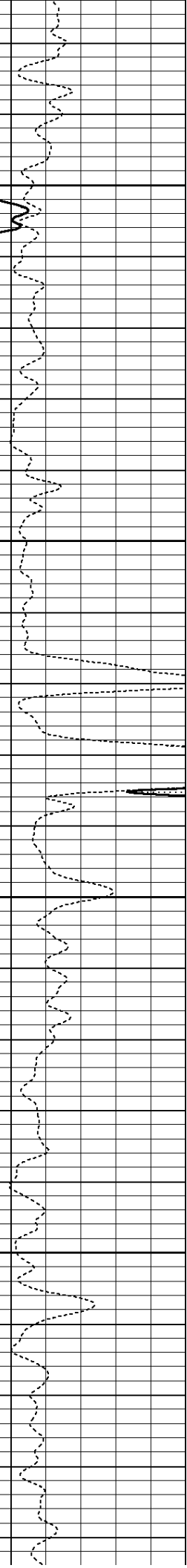
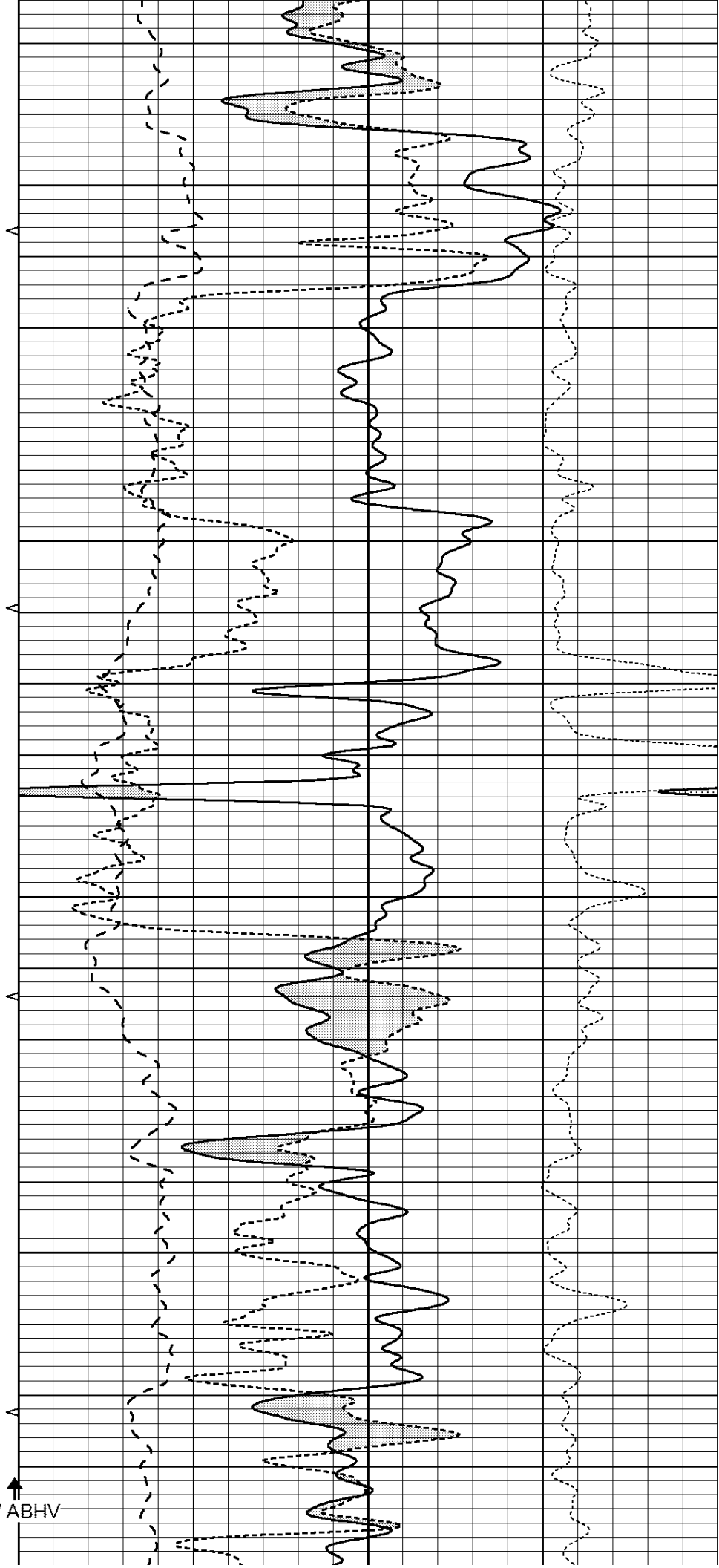
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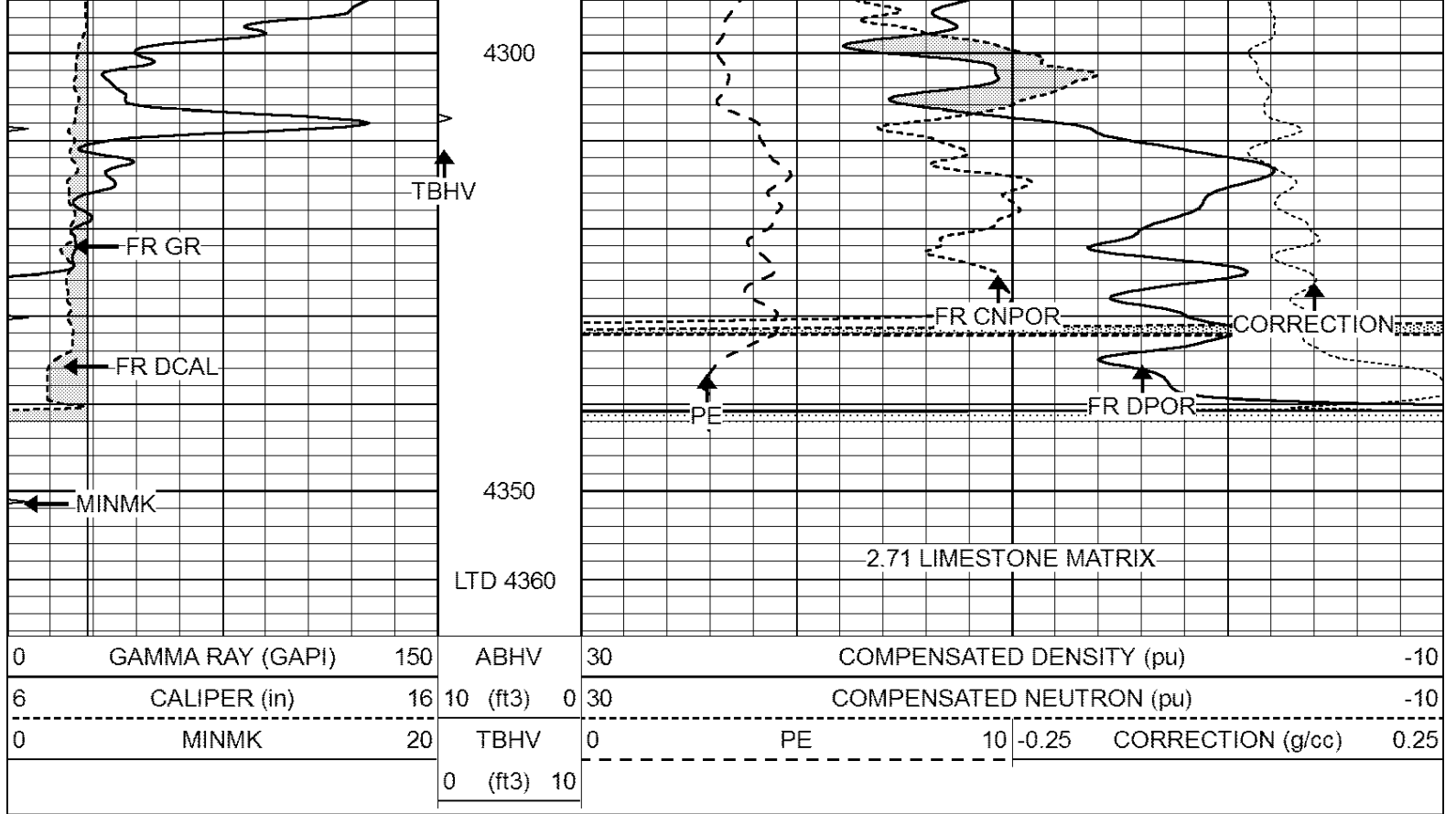
4150

4200

4250

5.5" ABHV



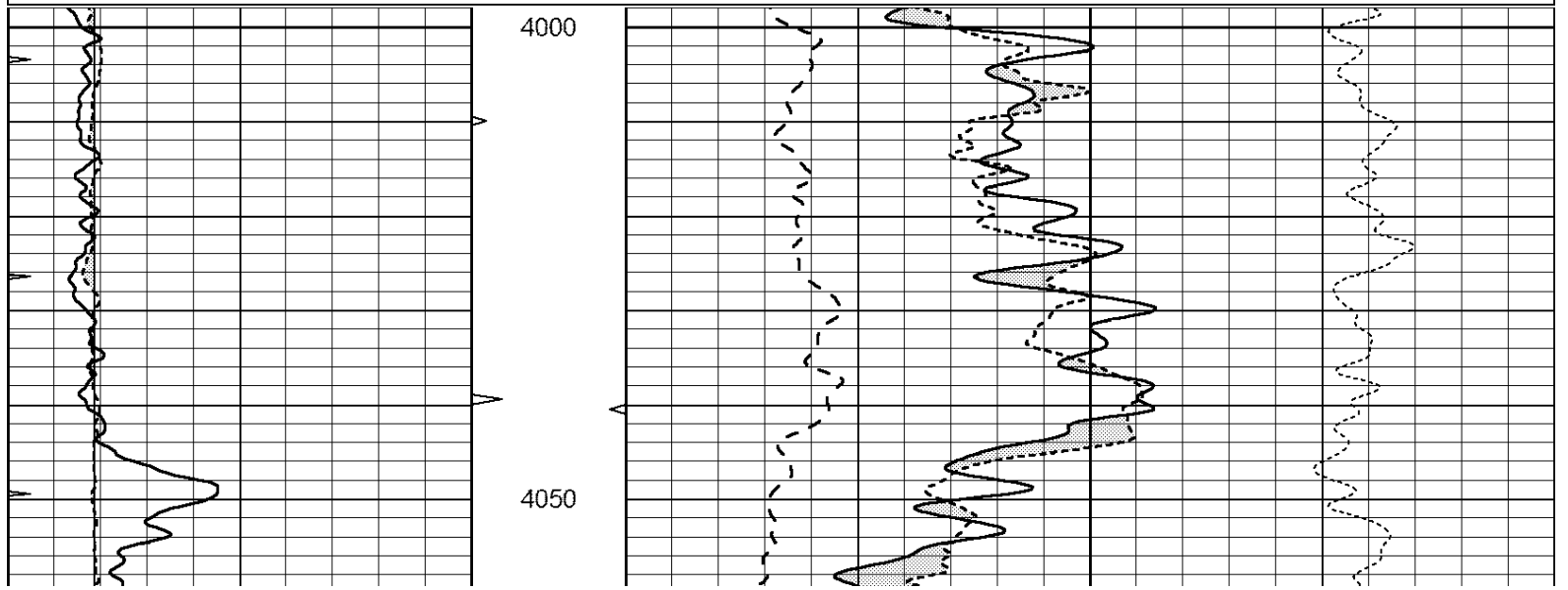


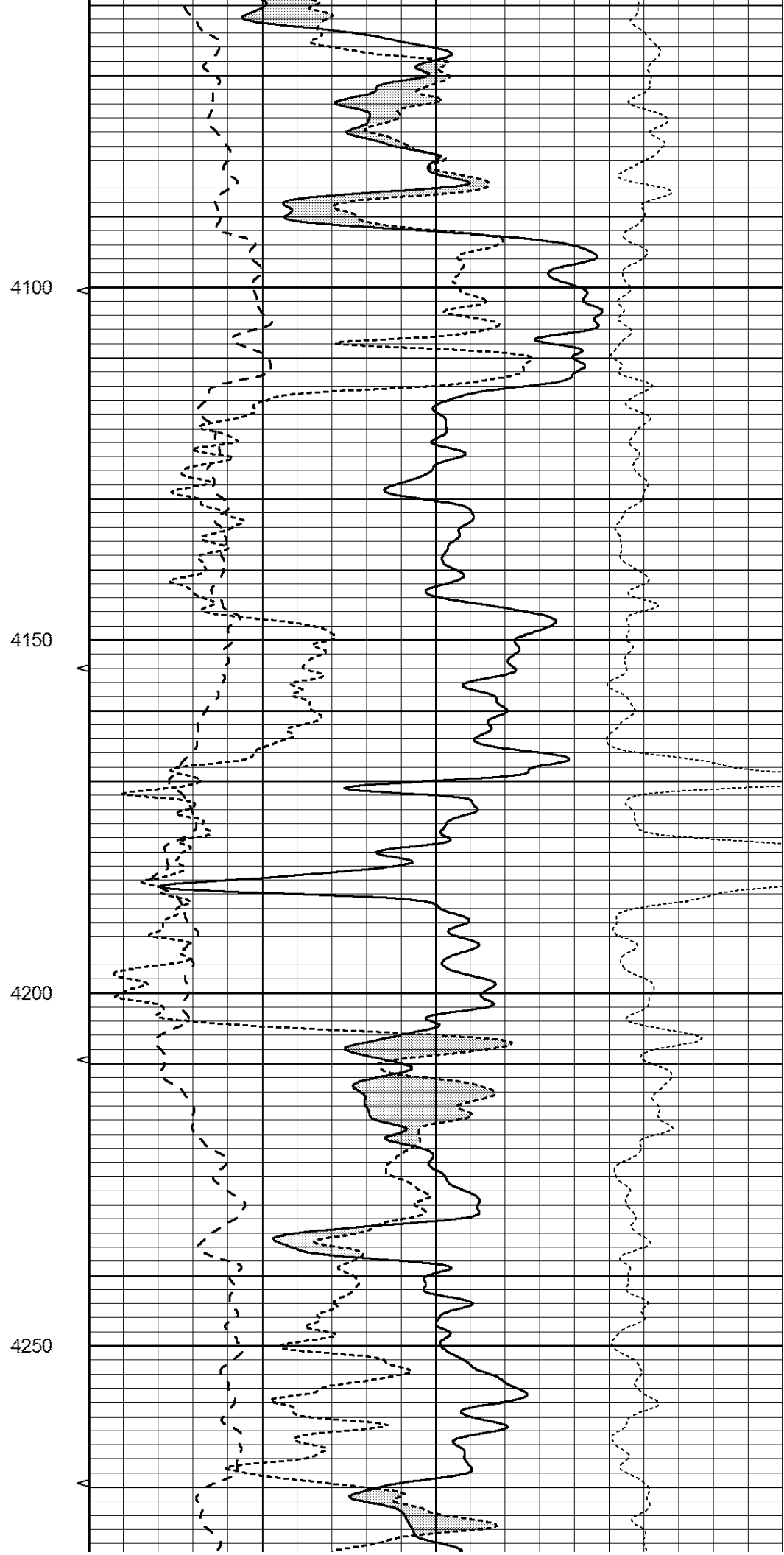
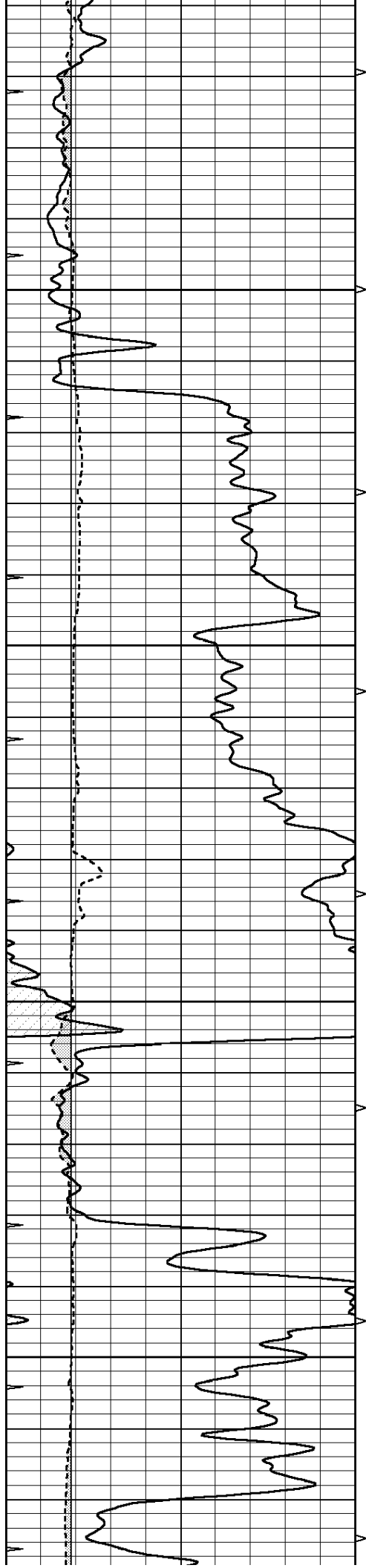
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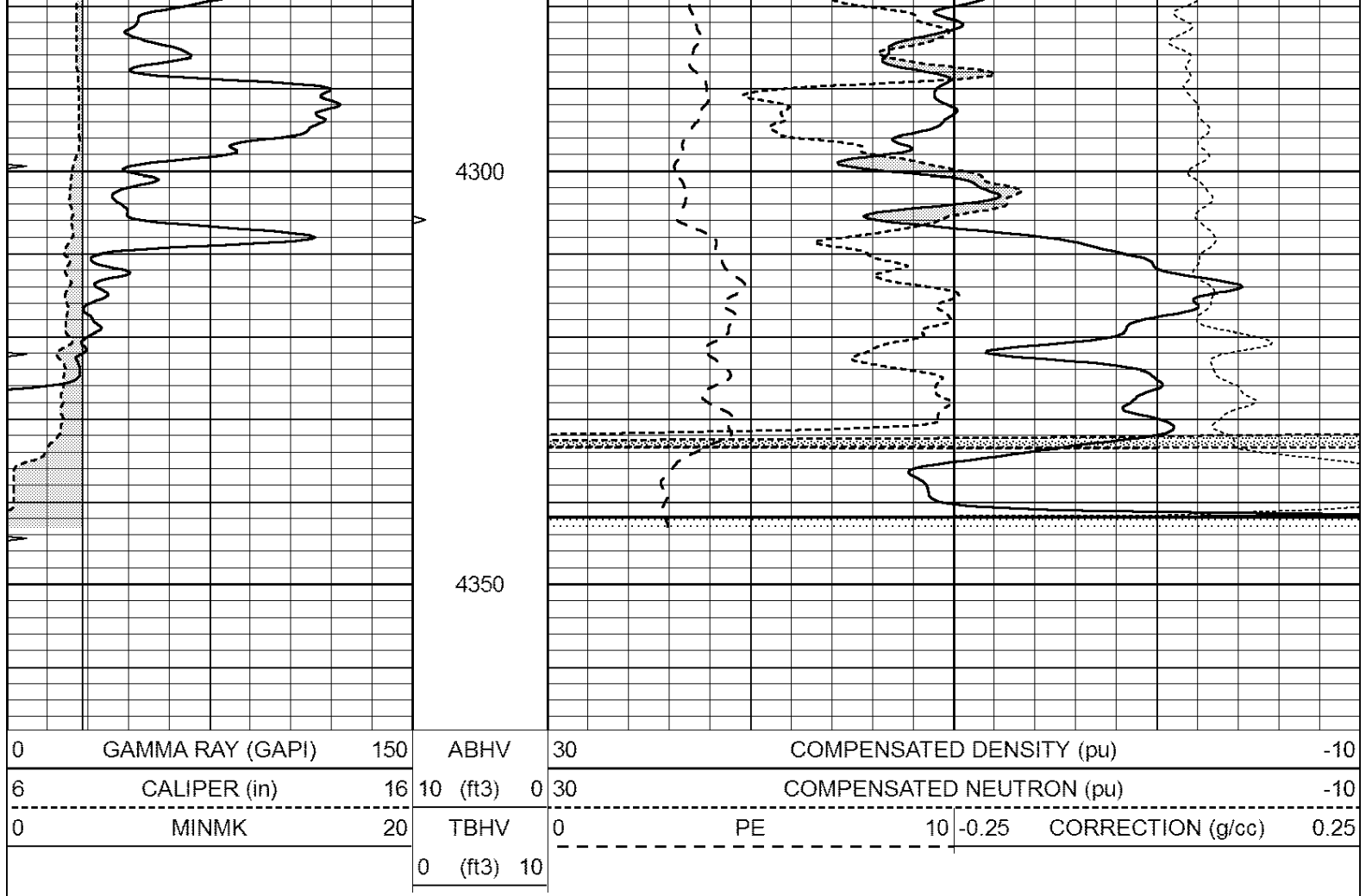
REPEAT SECTION

Database File: 007466pe.db
 Dataset Pathname: pass3.11
 Presentation Format: ldt_neu
 Dataset Creation: Thu Oct 20 19:27:10 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		







Calibration Report

Database File: 007466pe.db
 Dataset Pathname: pass4.10
 Dataset Creation: Thu Oct 20 22:19:04 2011

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
 Performed: Thu Oct 20 19:07:54 2011

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	640.000	3.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	700.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	622.059	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	631.393	-4.555

Litho Density Calibration Report

Serial: 004N Model: PRB
 Performed Tue Sep 08 13:49:55 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps

Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7
Caliper	Readings	Reference			
Low Ref	2.6	6.5			
High Ref	4.8	15.0			
	Gain: 4.0		Offset: -4.0		
Compensated Neutron Calibration Report					
	Serial Number:	070808			
	Tool Model:	Probe			
PRE-SURVEY VERIFICATION					
Detector	Readings	Measured	Target		
Short Space	cps				
Long Space	cps	pu	pu		
POST-SURVEY VERIFICATION					
Detector	Readings	Measured	Target		
Short Space	cps				
Long Space	cps	pu	pu		
Gamma Ray Calibration Report					
Serial Number:	070559				
Tool Model:	OPEN_GR				
Performed:	Thu Oct 20 20:00:13 2011				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.2300	GAPI/cps			