



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
PE LOG

Company VINCENT OIL CORPORATION
Well RIEGEL #1-9
Field WILDCAT
County FORD
State KANSAS

Company VINCENT OIL CORPORATION
Well RIEGEL #1-9
Field WILDCAT
County FORD State KANSAS

Location: API # : 15-057-20786-0000
350' FNL & 230" FWL
SW - NW - NW - NW
SEC 9 TWP 28S RGE 23W
Permanent Datum GROUND LEVEL Elevation 2481
Log Measured From KELLY BUSHING 13' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
SONIC
Elevation
K.B. 2494
D.F. 2492
G.L. 2481

Date	3/3/12		
Run Number	ONE		
Depth Driller	5400		
Depth Logger	5402		
Bottom Logged Interval	5378		
Top Log Interval	4000		
Casing Driller	8 5/8"@808'		
Casing Logger	608		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,800 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.50@70F		
Rmt @ Meas. Temp	1.13@70F		
Rmc @ Meas. Temp	1.80@70F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.814@129F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:30 P.M.		
Maximum Recorded Temperature	129F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM HALL	TOM DUDGEON	

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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
FORD, KS. 5W. ON "SADDLE RD." TO "RD. 120", 1S., E. INTO

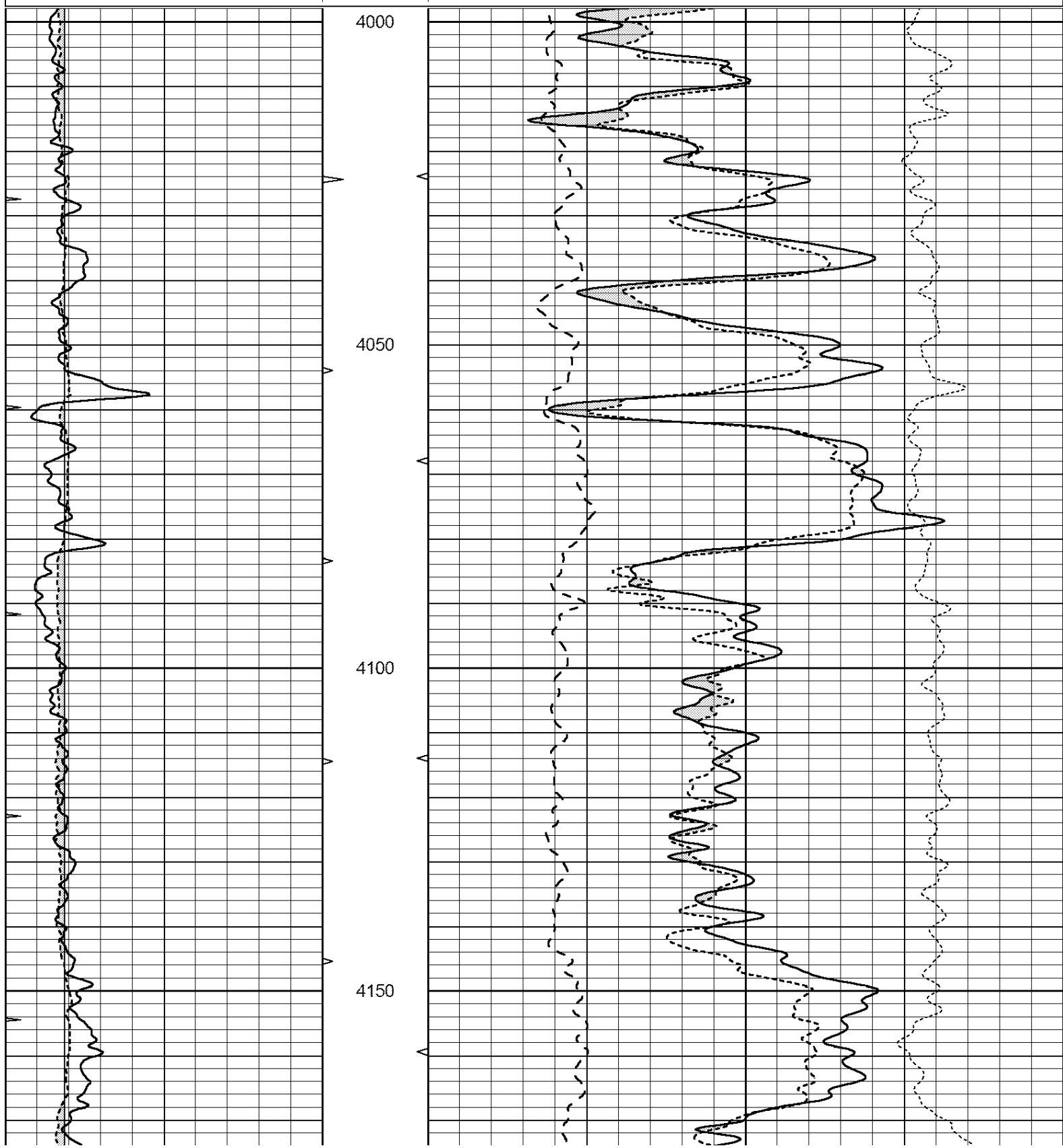


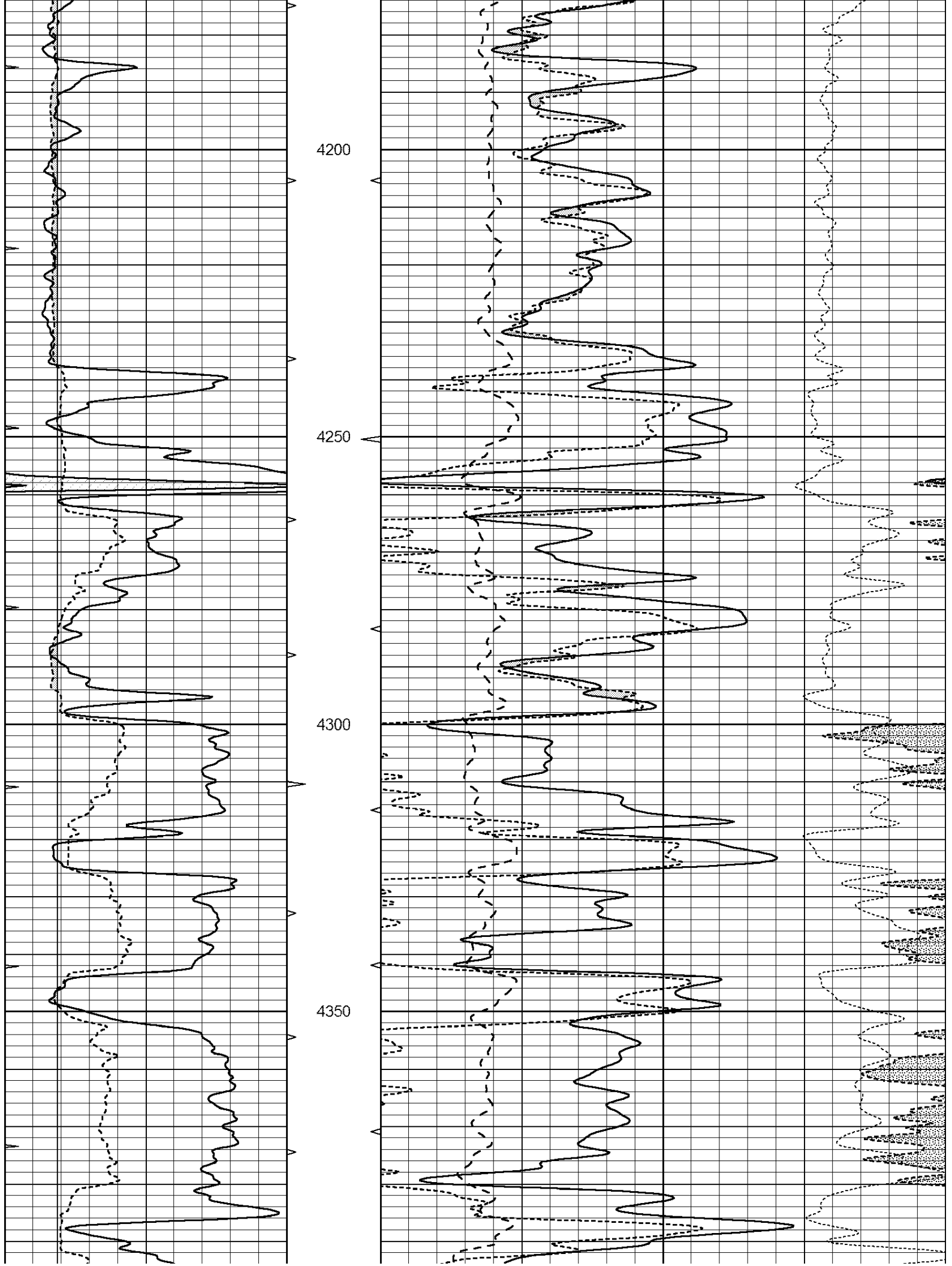
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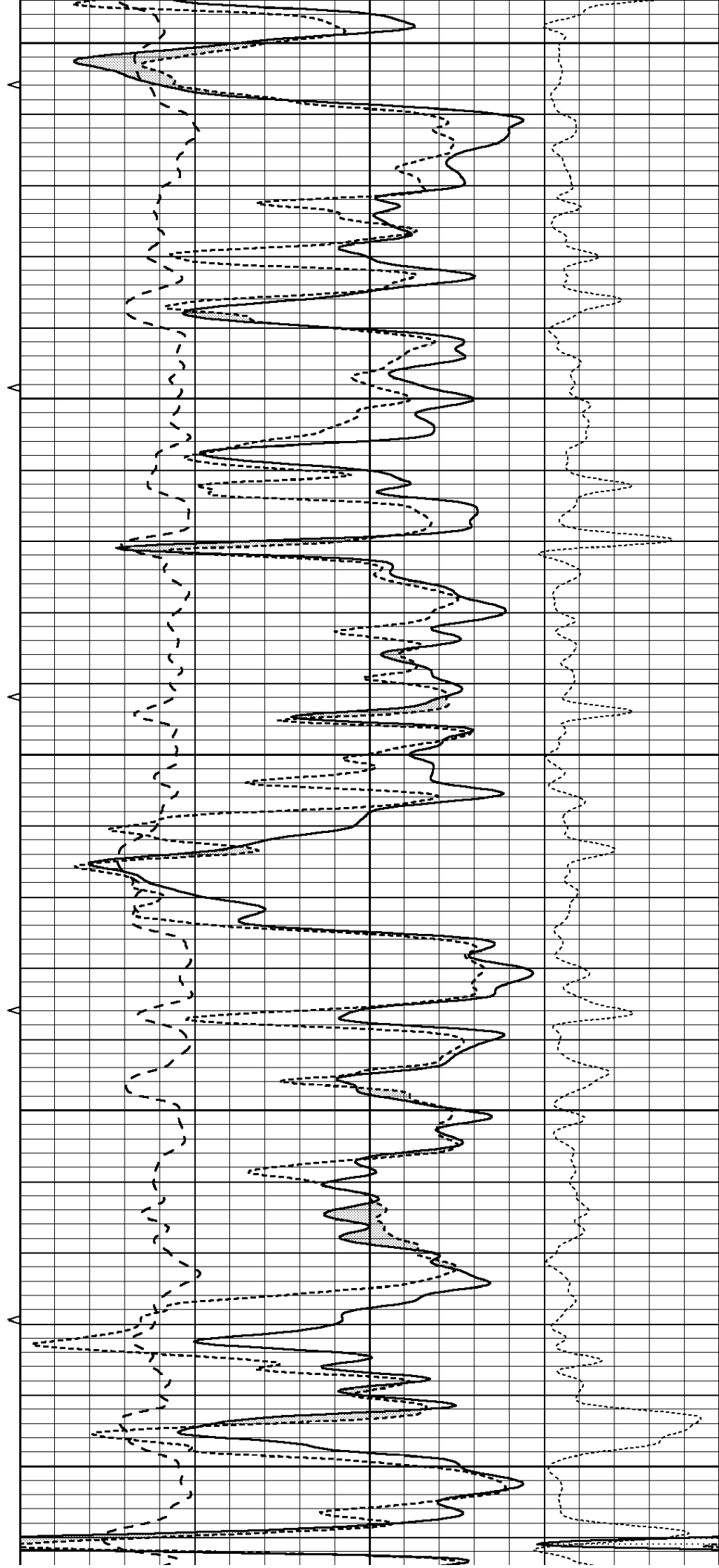
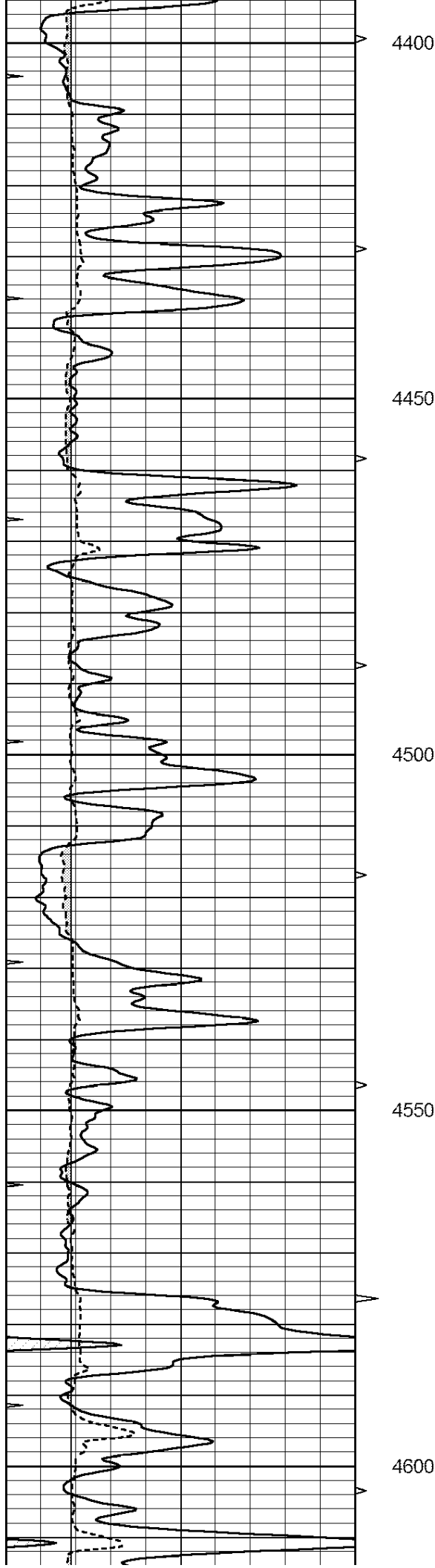
MAIN SECTION

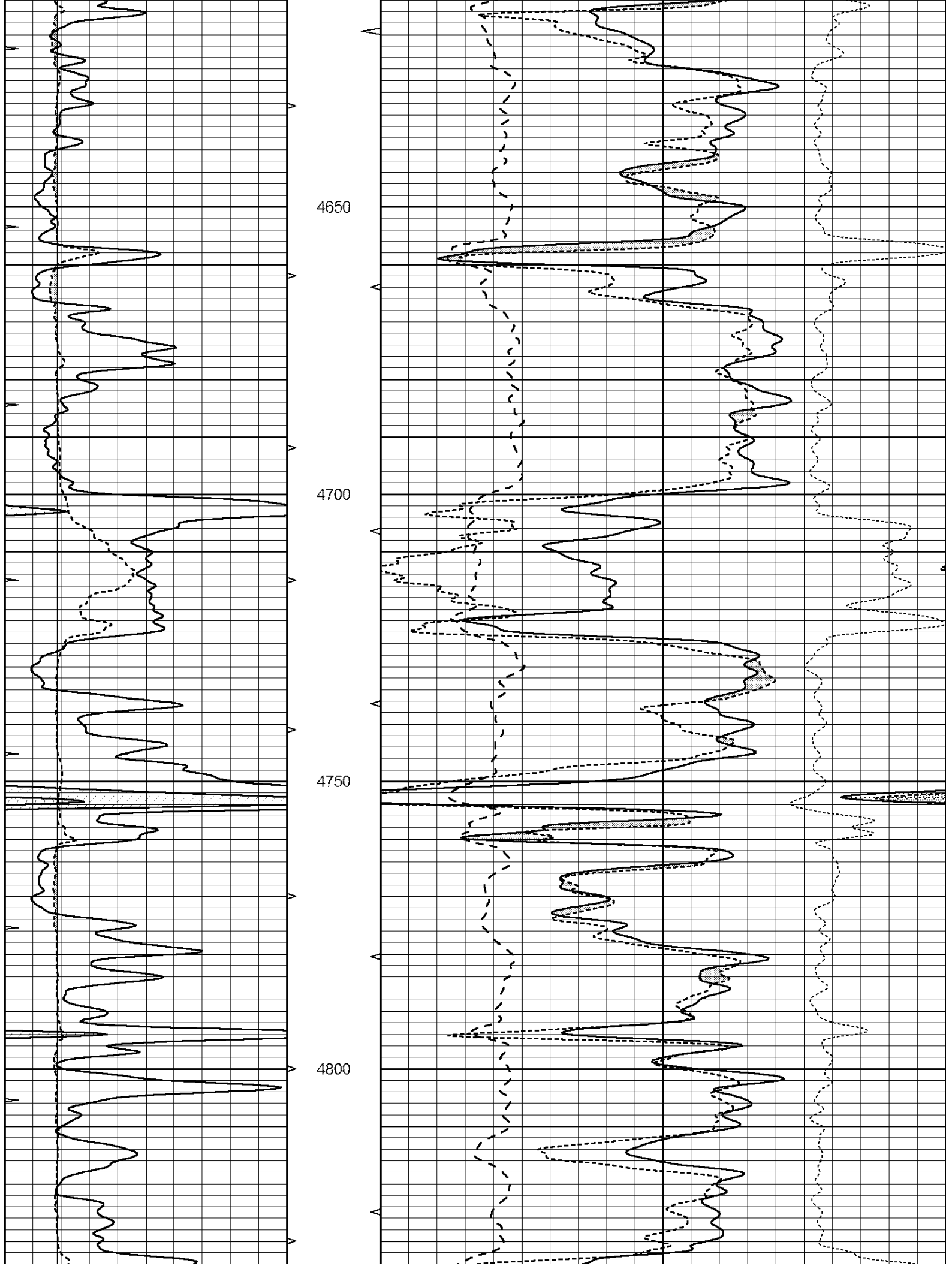
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Dataset Pathname: pass3.8
Presentation Format: ldt_neu
Dataset Creation: Sat Mar 03 21:34:25 2012
Charted by: Depth in Feet scaled 1:240

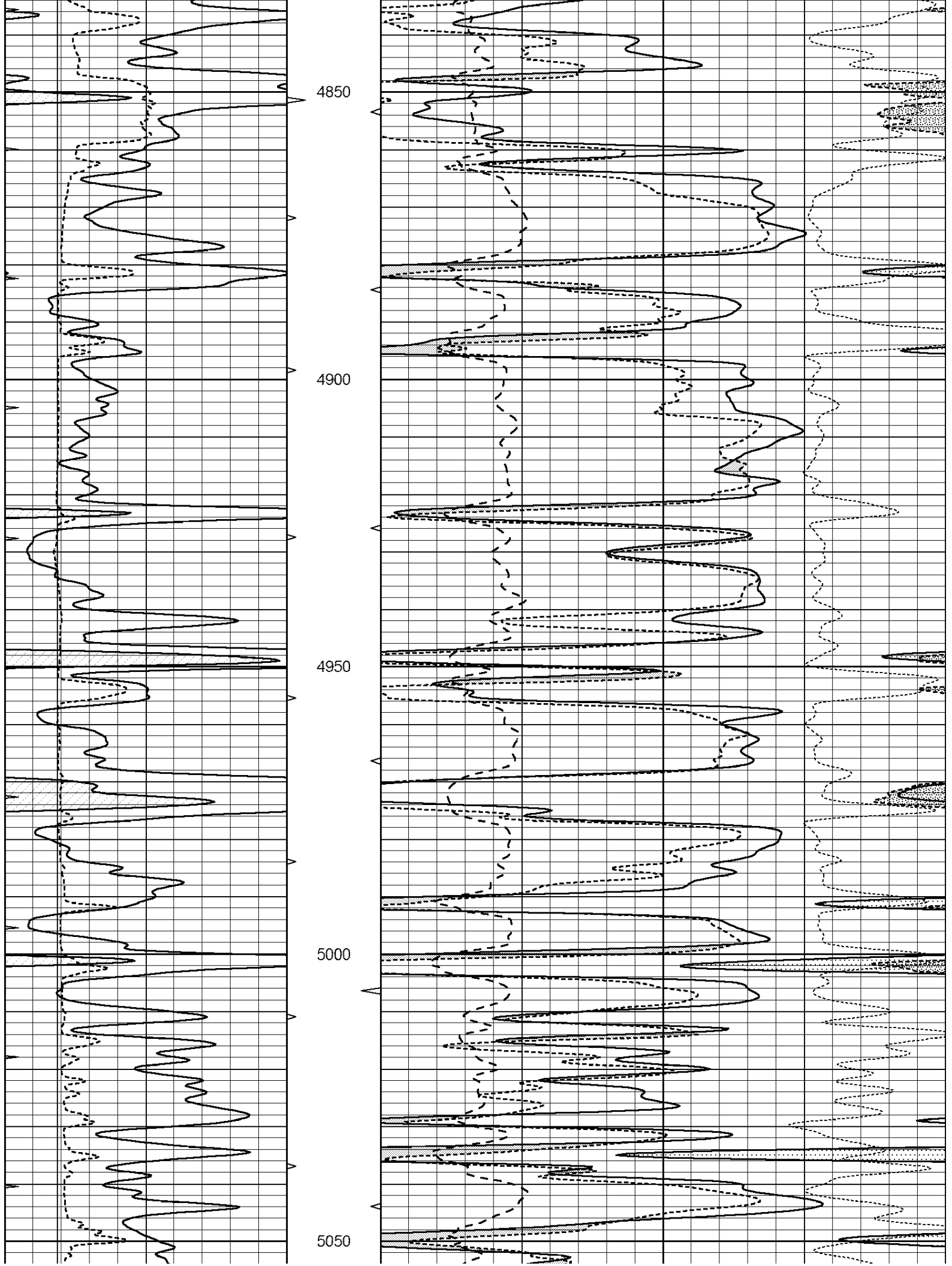
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10
			0 (ft3)	10	-0.25	CORRECTION (g/cc) 0.25

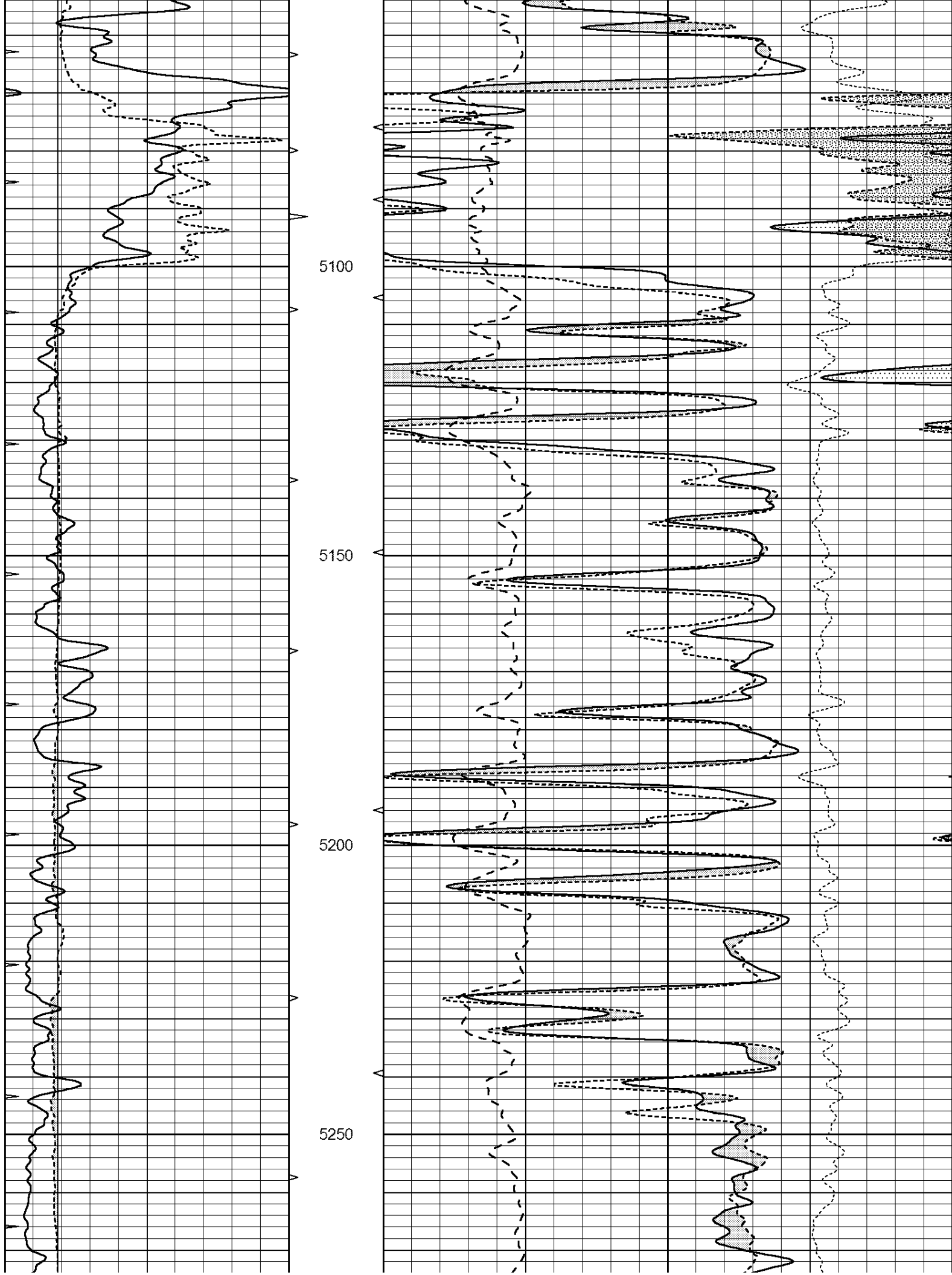


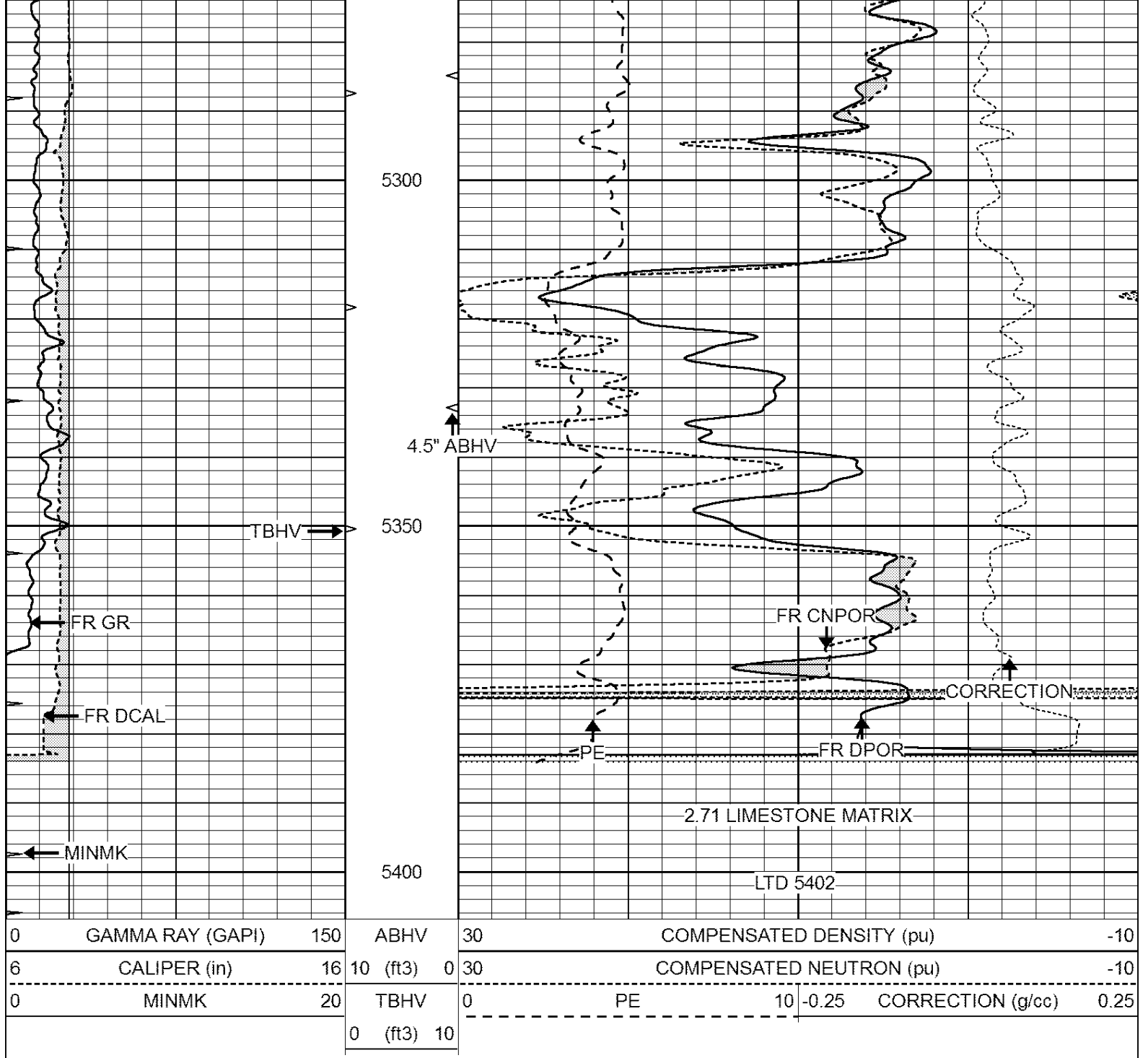










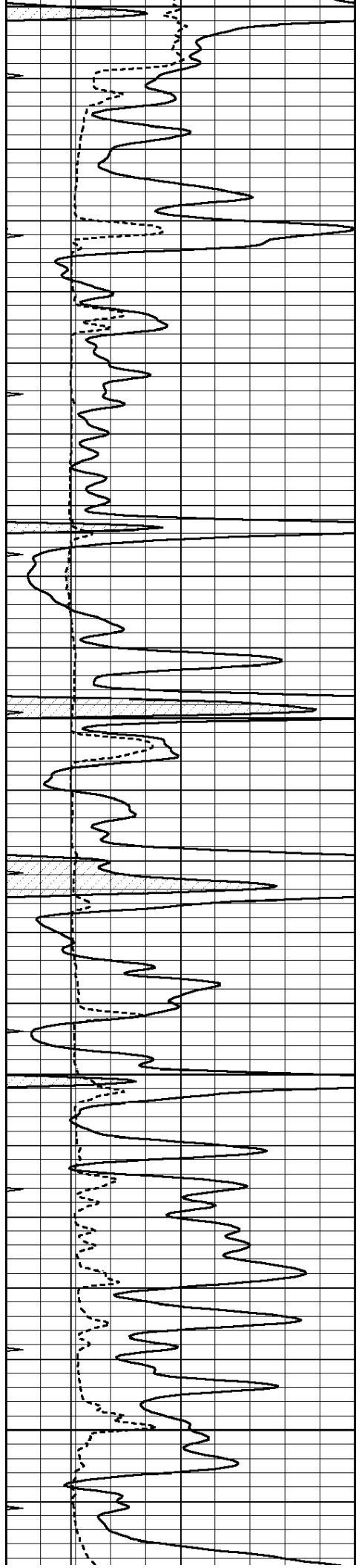


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REPEAT SECTION

Database File: 408422pe.db
Dataset Pathname: pass2.5
Presentation Format: ldt_neu
Dataset Creation: Sat Mar 03 20:47:23 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	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10						



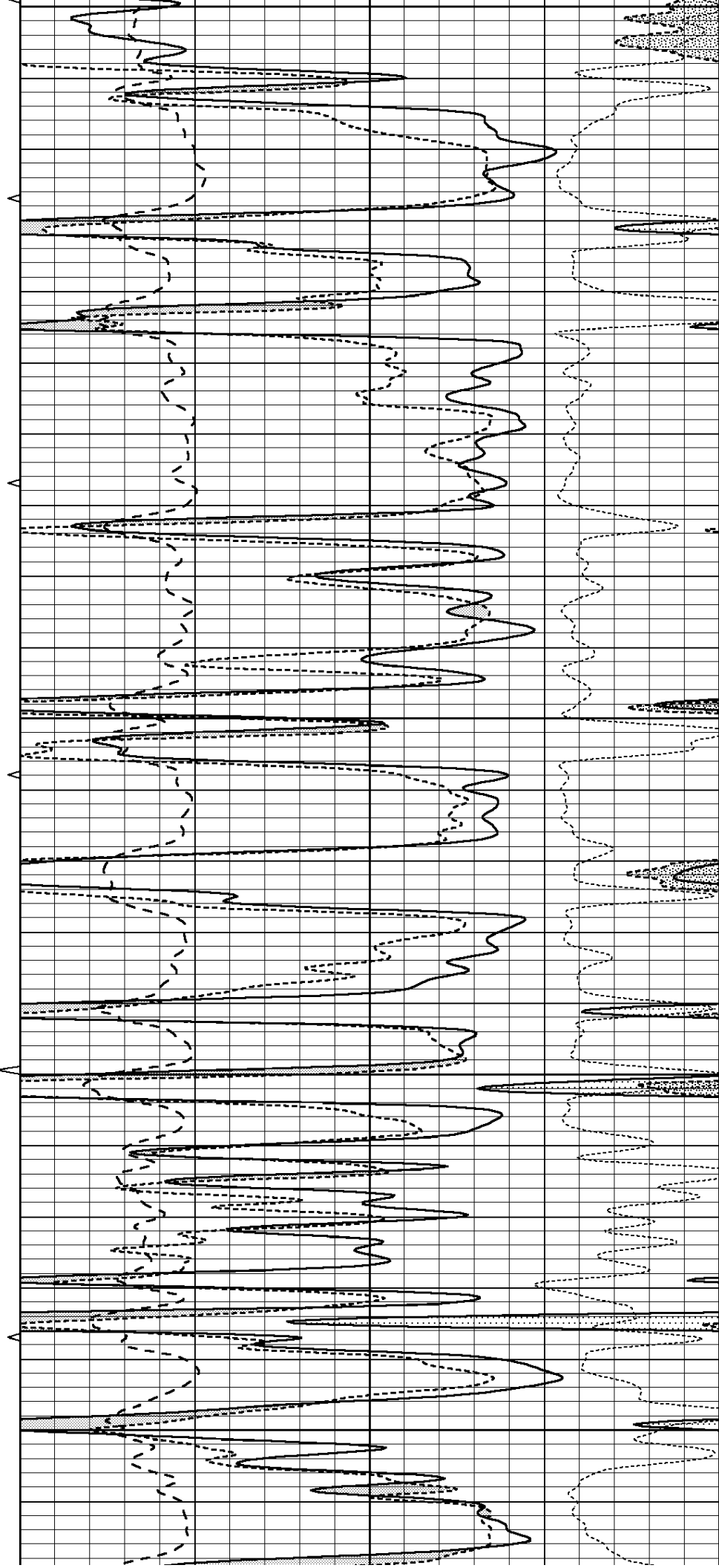
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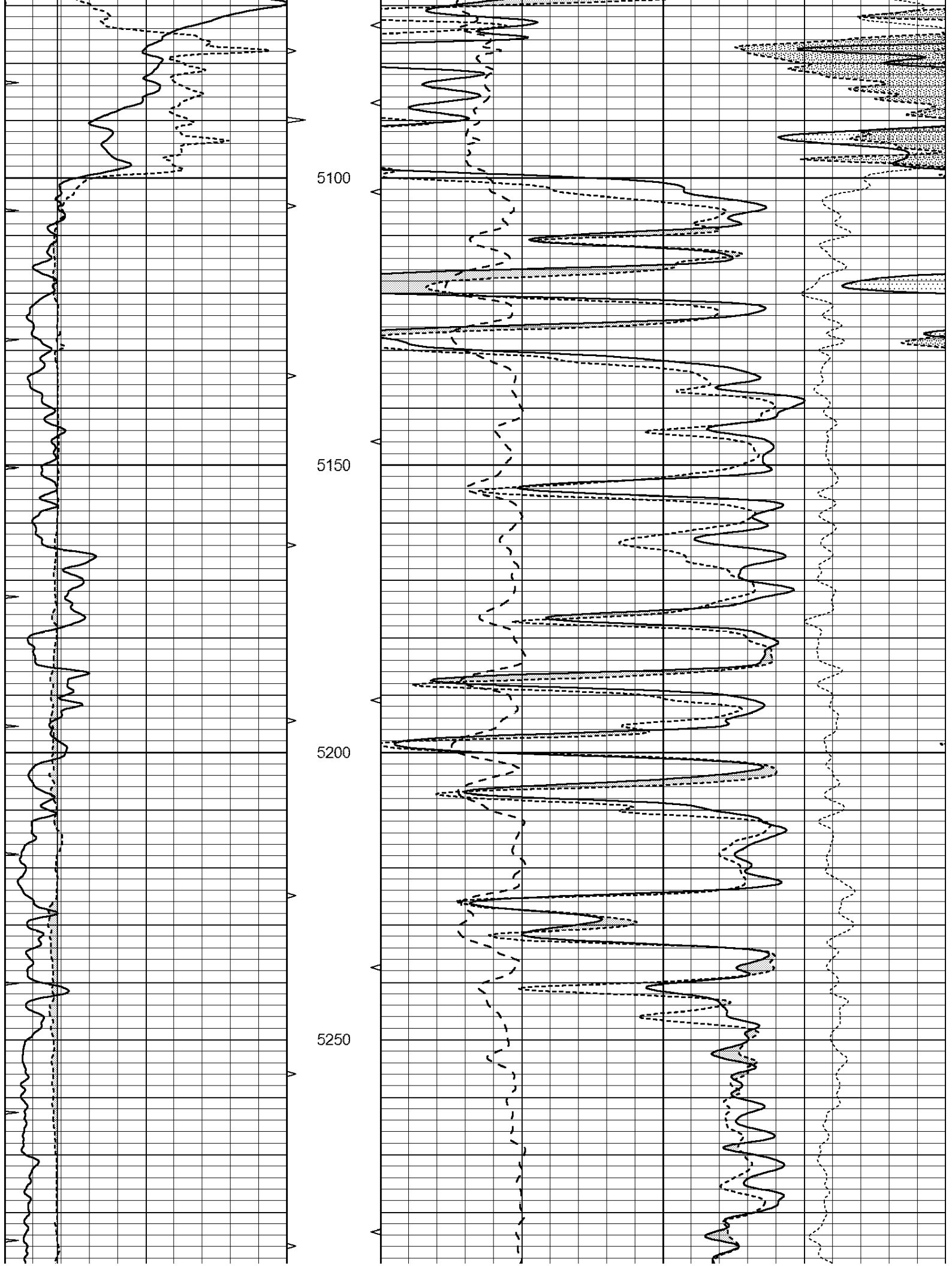
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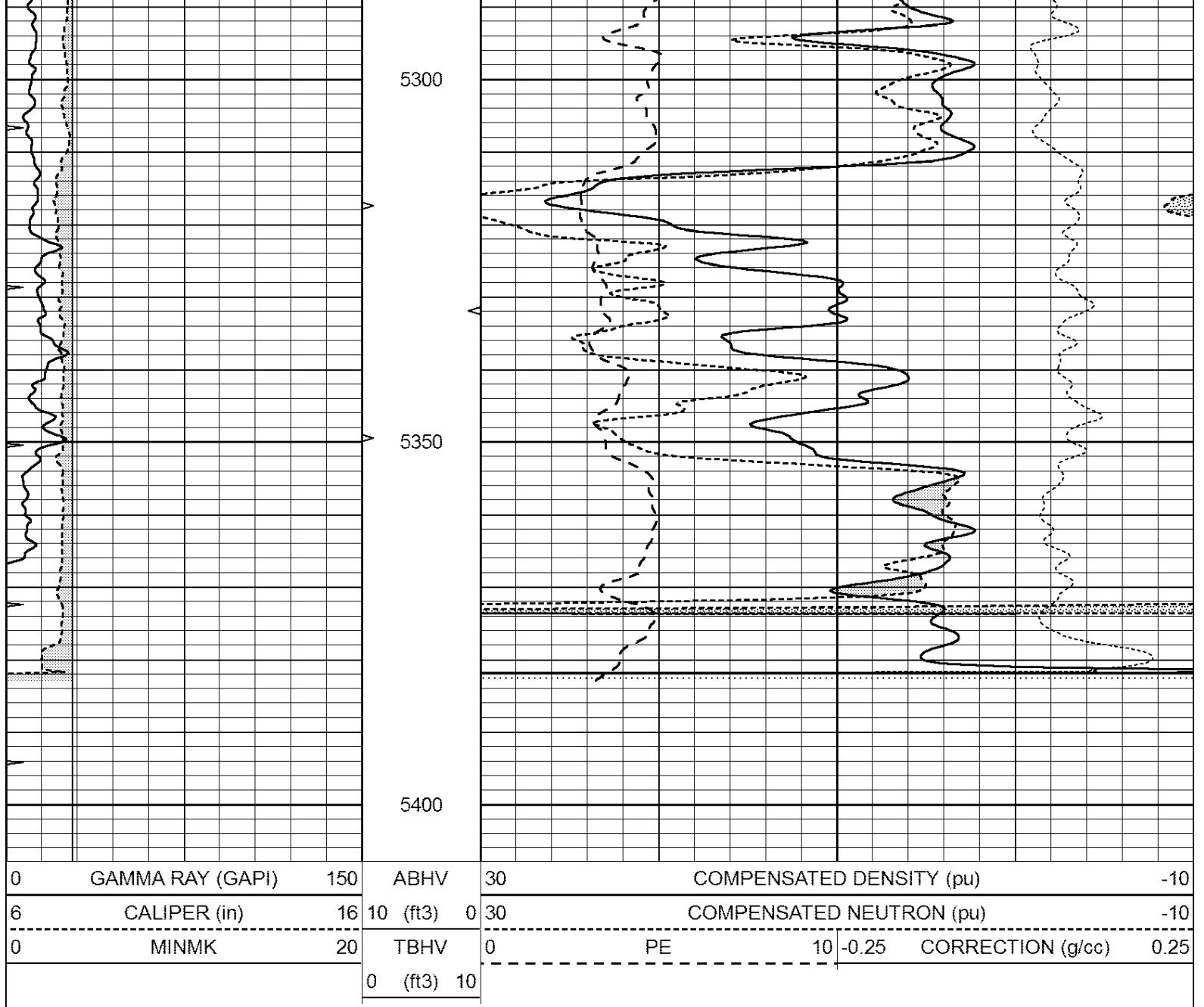
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5000

5050







Calibration Report

Database File: 408422pe.db
 Dataset Pathname: pass3.8
 Dataset Creation: Sat Mar 03 21:34:25 2012

Dual Induction Calibration Report

Serial-Model:
 Performed:

DIL3-GEAR
 Sat Mar 03 18:17:23 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	640.000	8.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	700.000	-7.500
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

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1686.6	11612.8	3932.0	12718.8	cps
Window 2	1531.4	9204.7	3267.8	9851.9	cps
Window 3	1198.3	4733.6	1952.5	4920.6	cps
Window 4	317.3	321.2	325.9	303.6	cps
Long Space	0.0	7673.3	1736.4	8320.4	cps
Short Space	1.7	2548.5	1657.2	2628.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio	: 0.569
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept	: -18.1

Caliper

	Readings	Reference	
Low Ref	4.0	8.2	
High Ref	5.9	15.0	
	Gain: 3.5		Offset: -5.8

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: Fri Mar 02 09:11:18 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.3000 GAPI/cps