



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY/NEUTRON
PE LOG**

Company	WOOLSEY OPERATING COMPANY, LLC.	Company	WOOLSEY OPERATING COMPANY, LLC.
Well	GRESS - DAWSON #2	Well	GRESS - DAWSON #2
Field	PIKE SOUTH	Field	PIKE SOUTH
County	BARBER	County	BARBER
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-007-24024-0000 930' FSL & 1675' FEL SW NE SW SE	Other Services DIL	
Permanent Datum	SEC 35 TWP 31S RGE 12W	Elevation	
Log Measured From	GROUND LEVEL	Elevation	1560
Drilling Measured From	KELLY BUSHING 12' A.G.L. KELLY BUSHING	K.B. 1572 D.F. 1570 G.L. 1560	
Date	5/24/21		
Run Number	ONE		
Depth Driller	4785		
Depth Logger	4785		
Bottom Logged Interval	4761		
Top Log Interval	1700		
Casing Driller	10 3/4" @ 217'		
Casing Logger	NA		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0/47	CHLORIDES 13000 PPM	
pH / Fluid Loss	9.0/12.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.45 @ 89F		
Rinf @ Meas. Temp	.33 @ 89F		
Rmc @ Meas. Temp	.54 @ 89F		
Source of Rinf / Rmc	MEASURED		
Rim @ BHT	.32 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	SCOTT ALBERG		

<<< Fold Here >>>

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 COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:

N. SIDE OF MEDICINE LODGE TO LAKE CITY RD. - 1 W. - N. INTO OVER CATTLE GUARD
STAY ON TRAIL FOR 1 MILE INTO

Database File:

010793pe.db

Dataset Pathname:

pass3.1

Presentation Format:

_ldt_neu

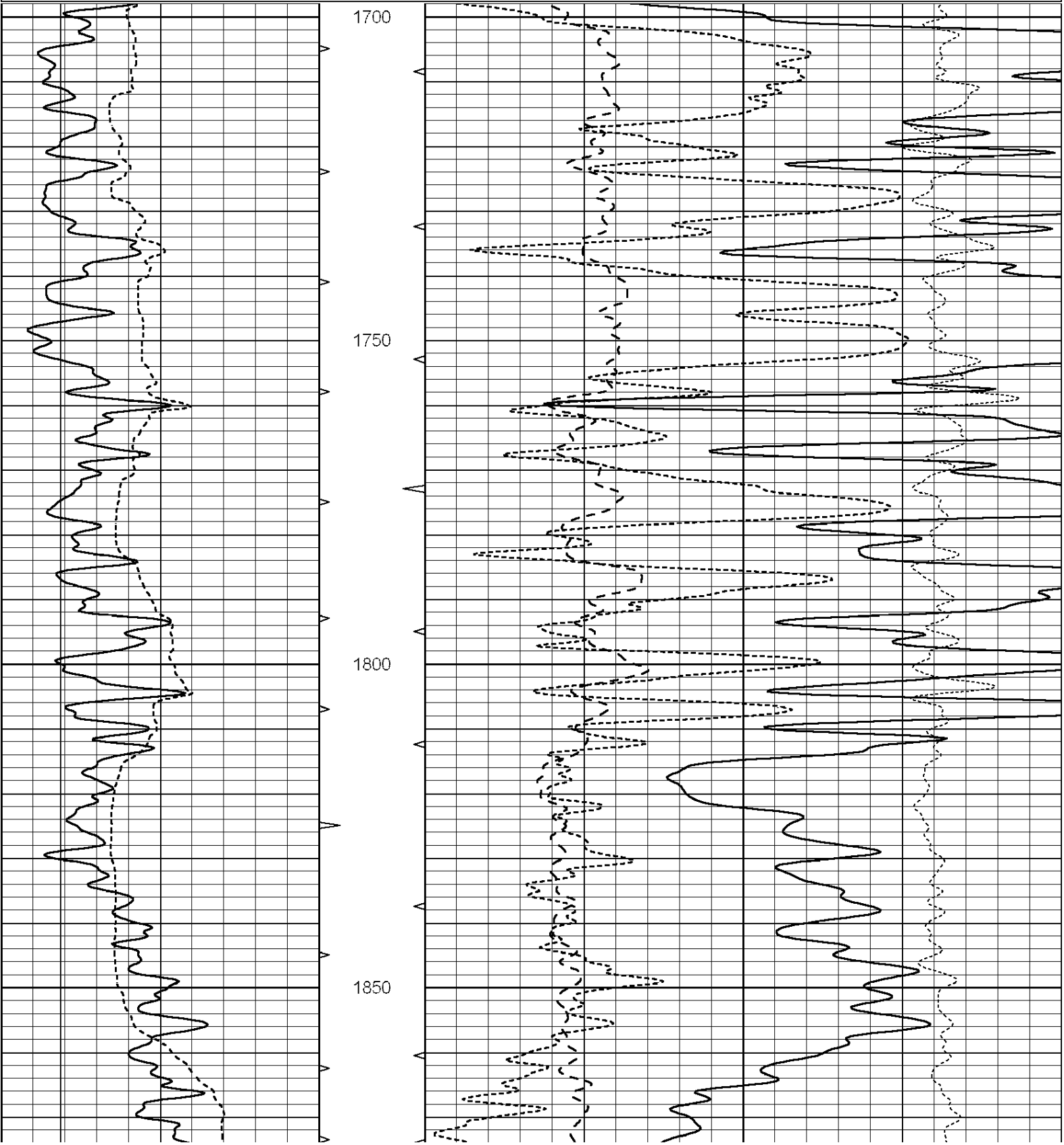
Dataset Creation:

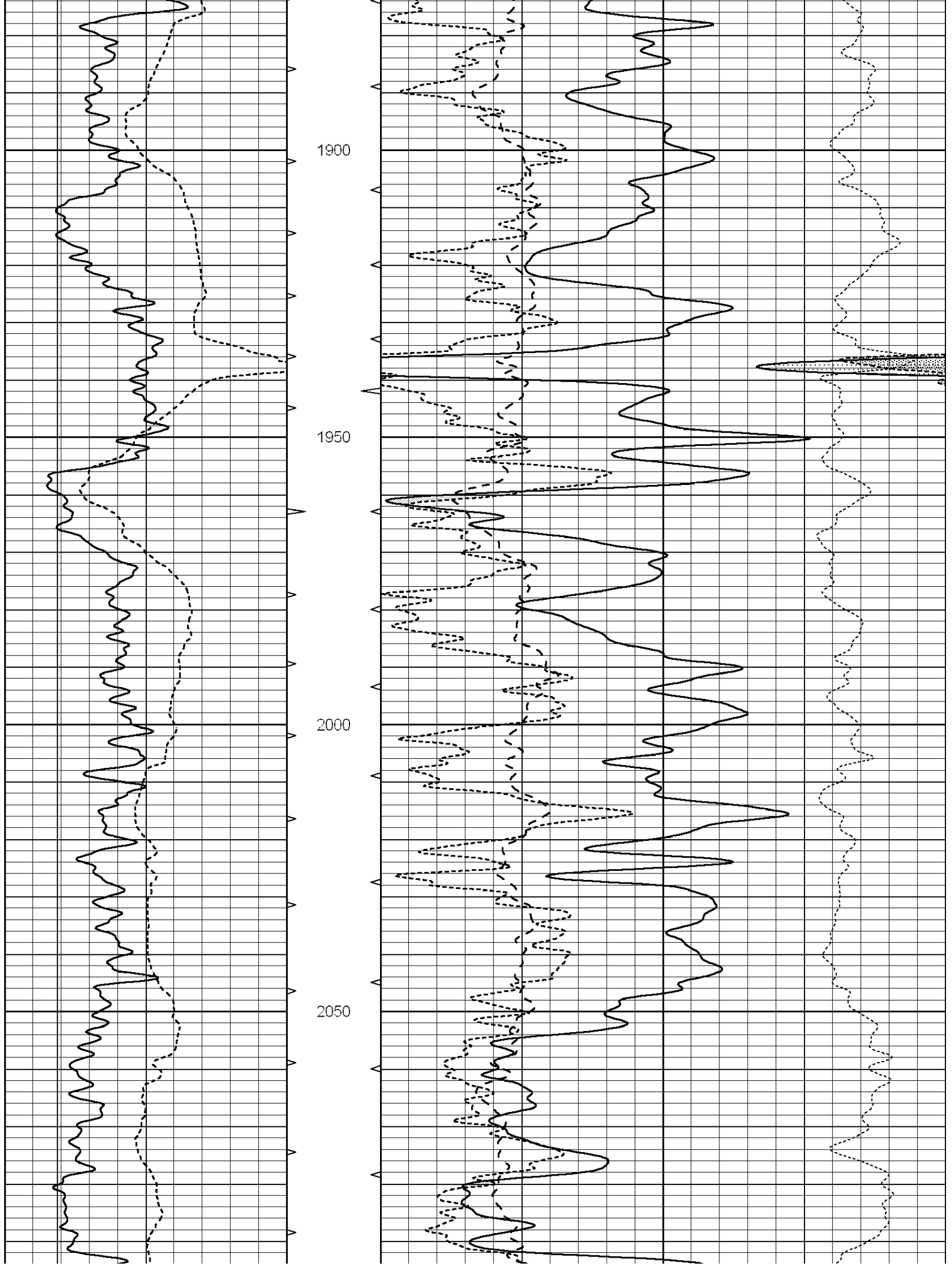
Fri May 24 14:23:41 2013 by Calc Open-Cased 090629

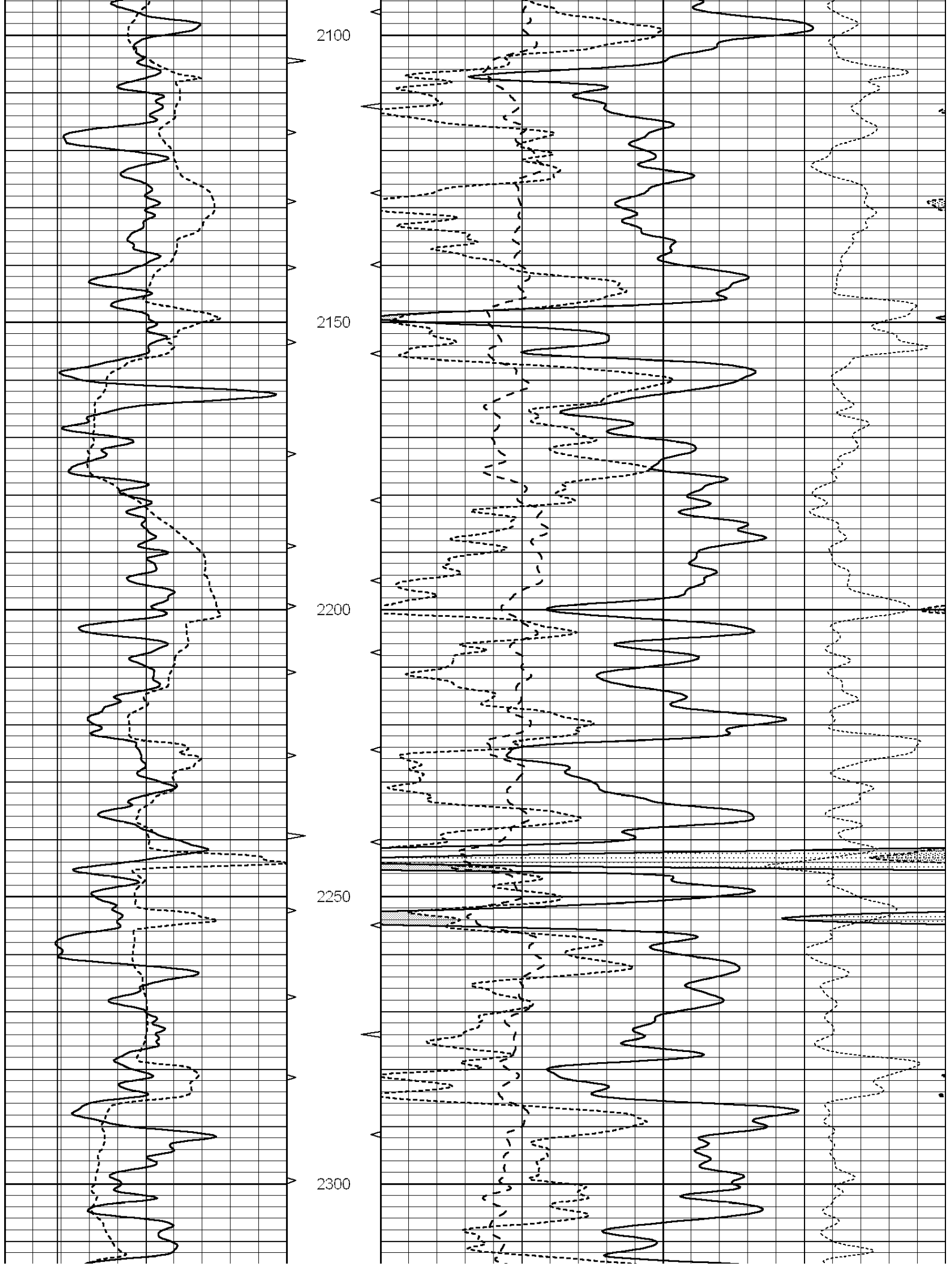
Charted by:

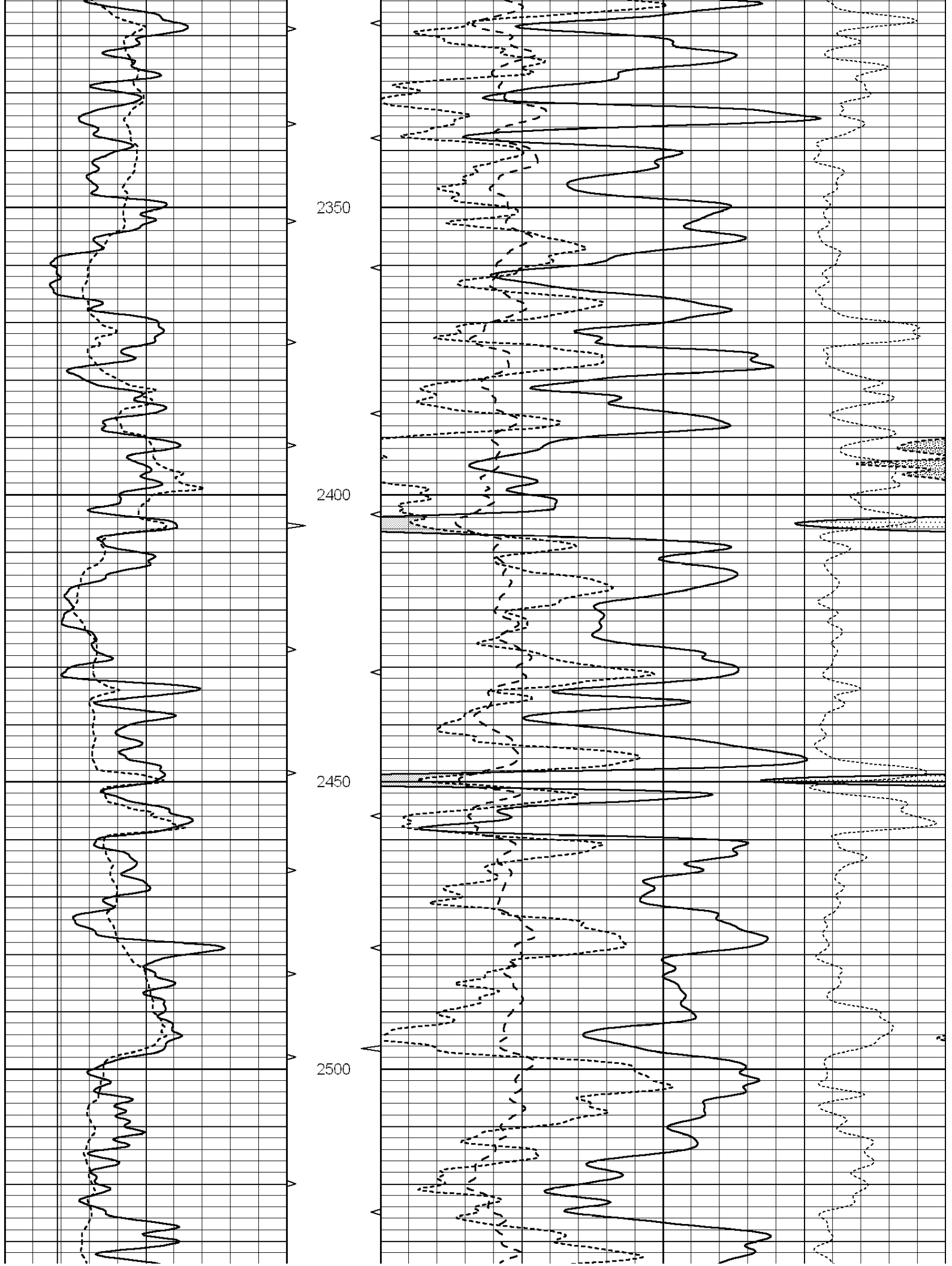
Depth in Feet scaled 1:240

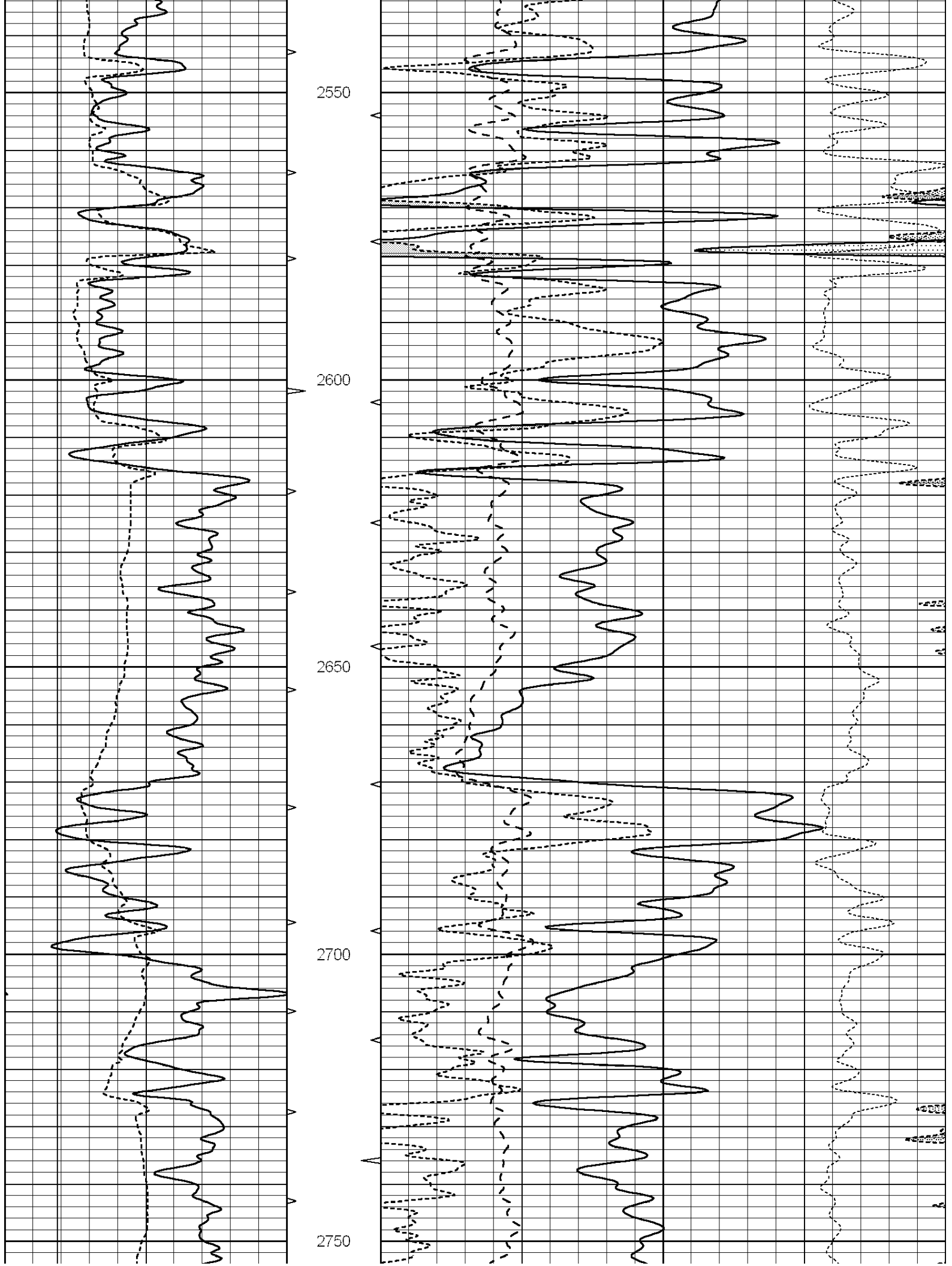
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10					

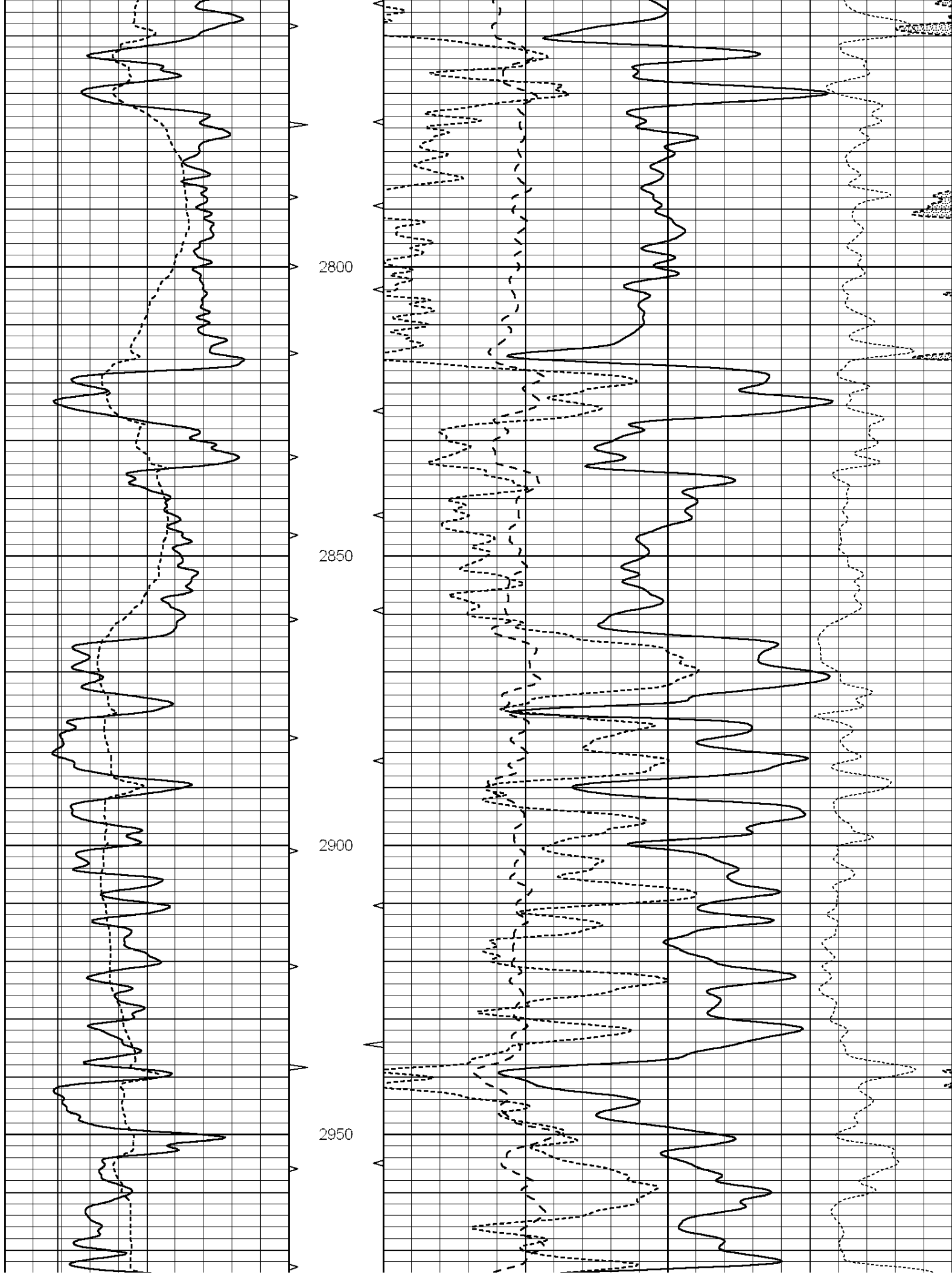


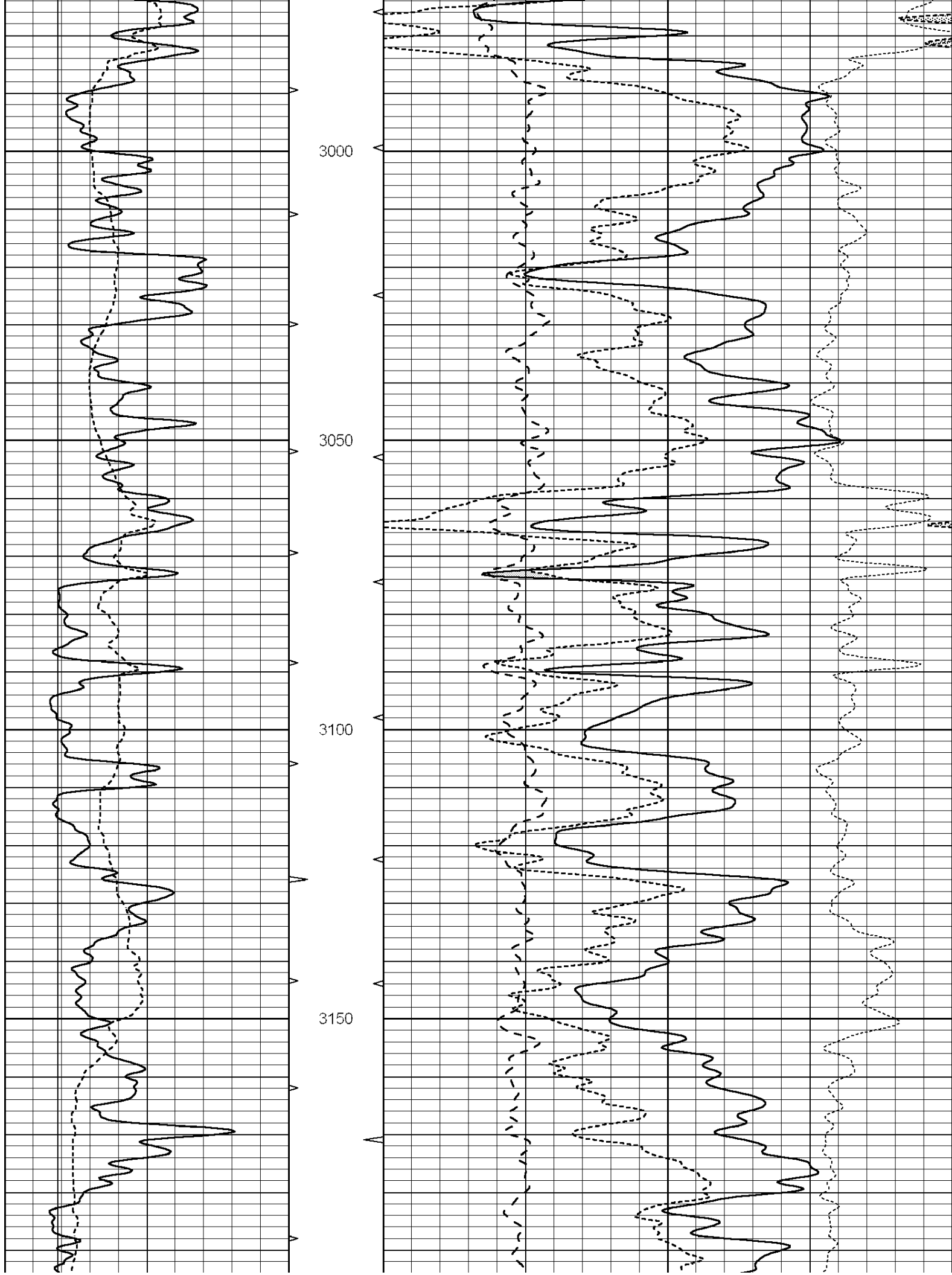


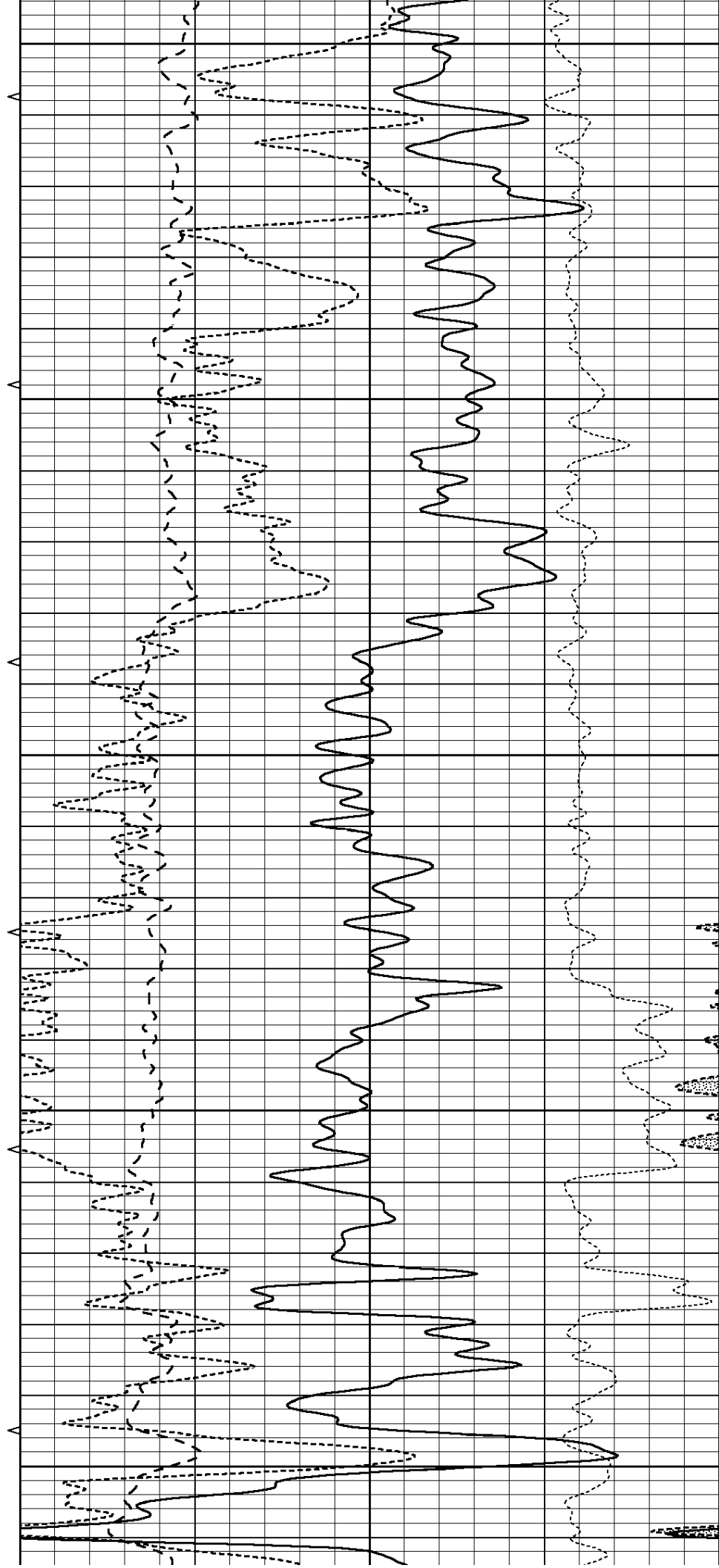
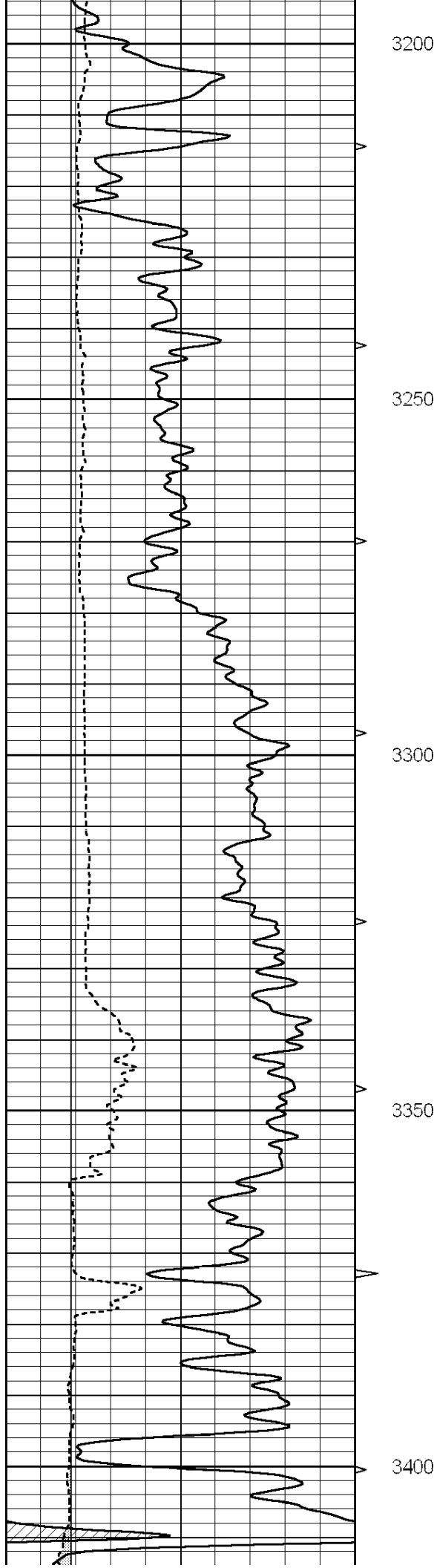


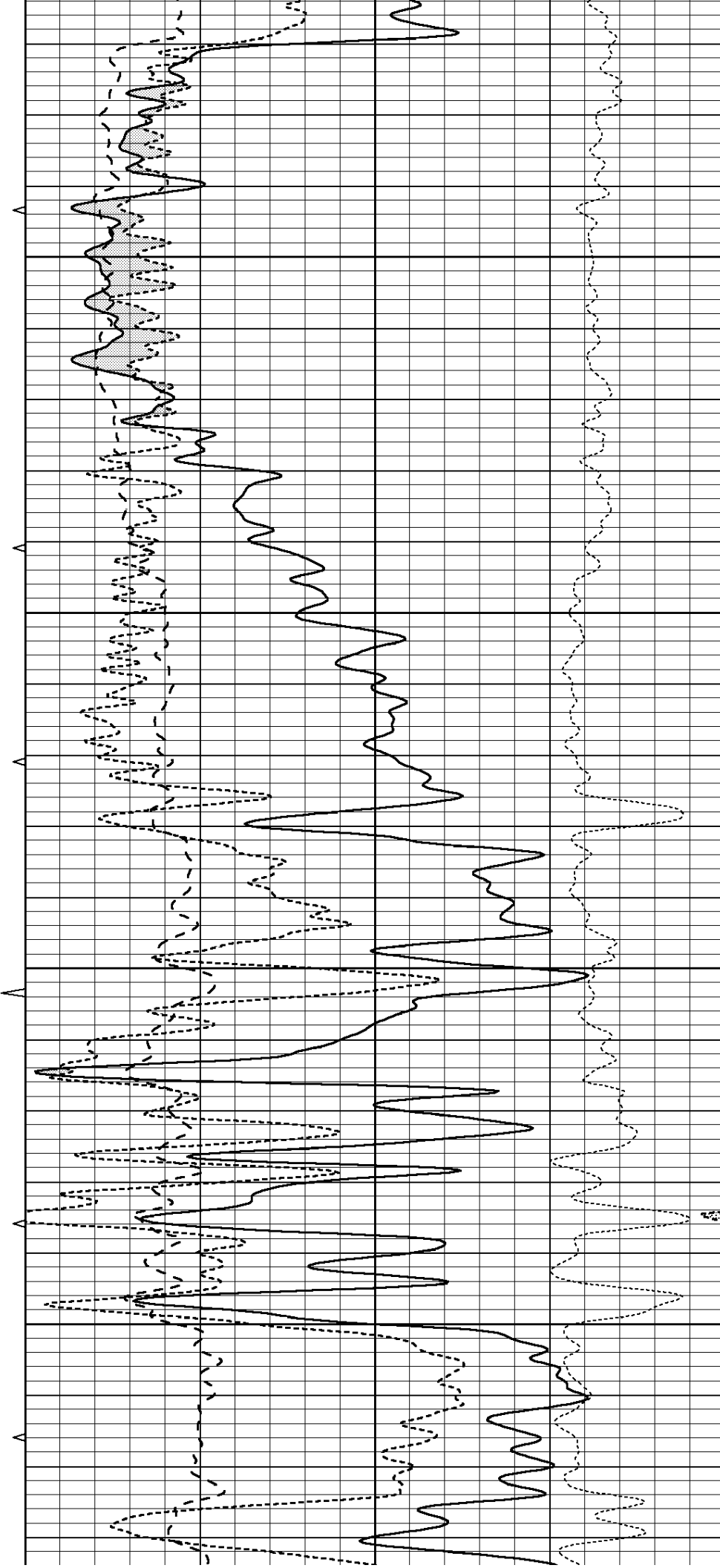
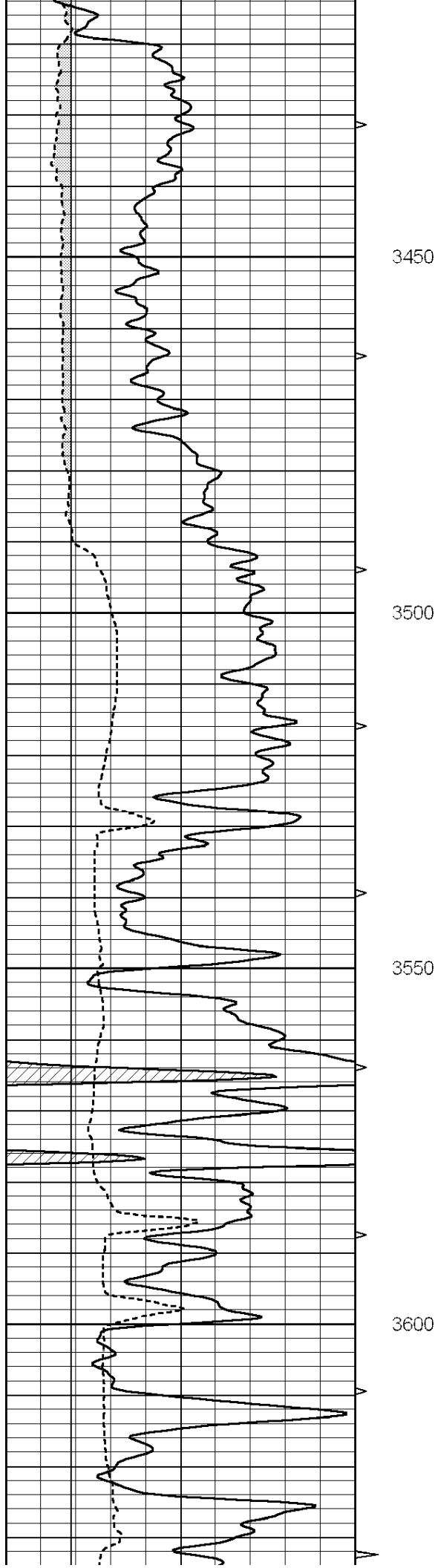


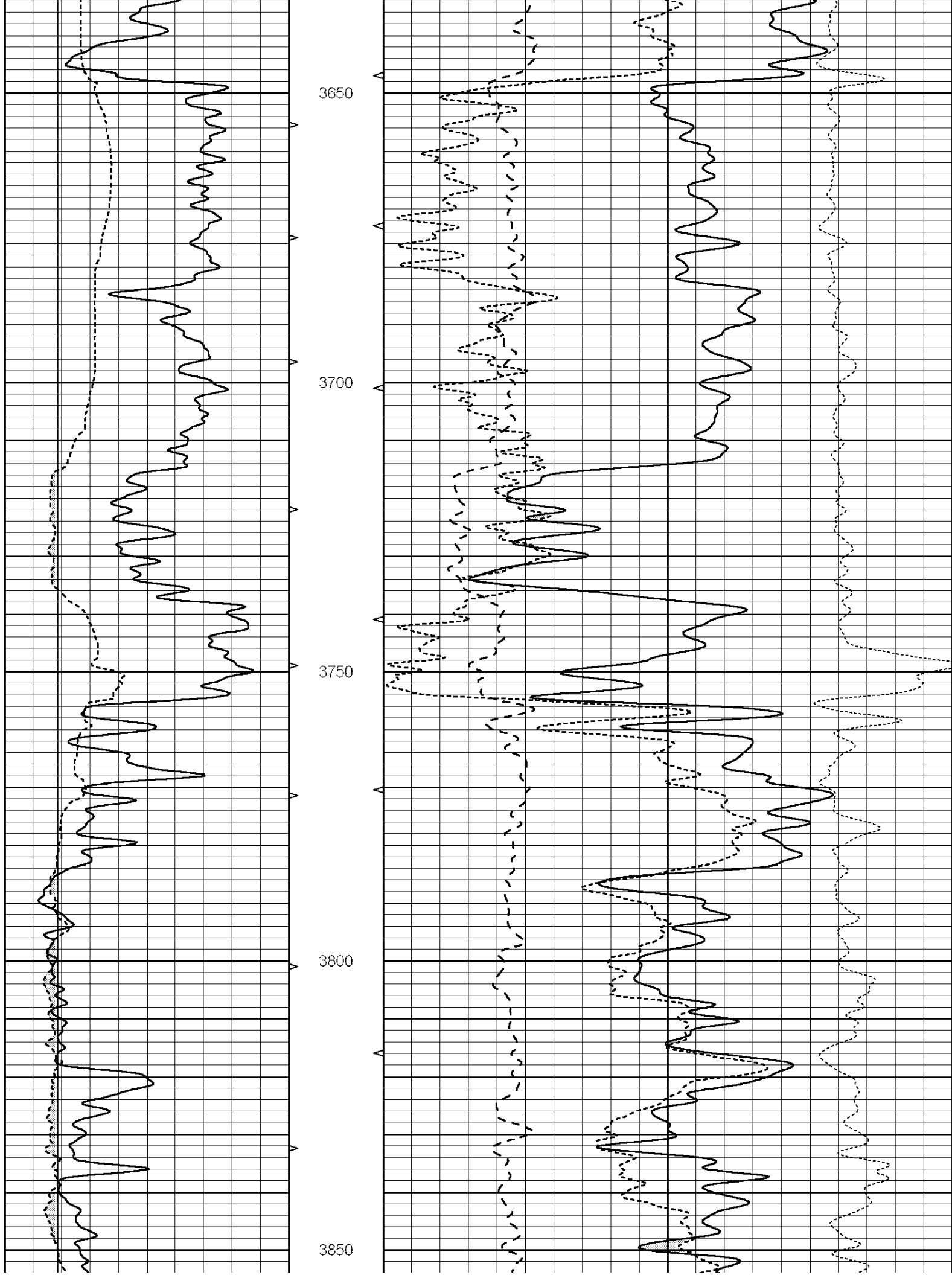


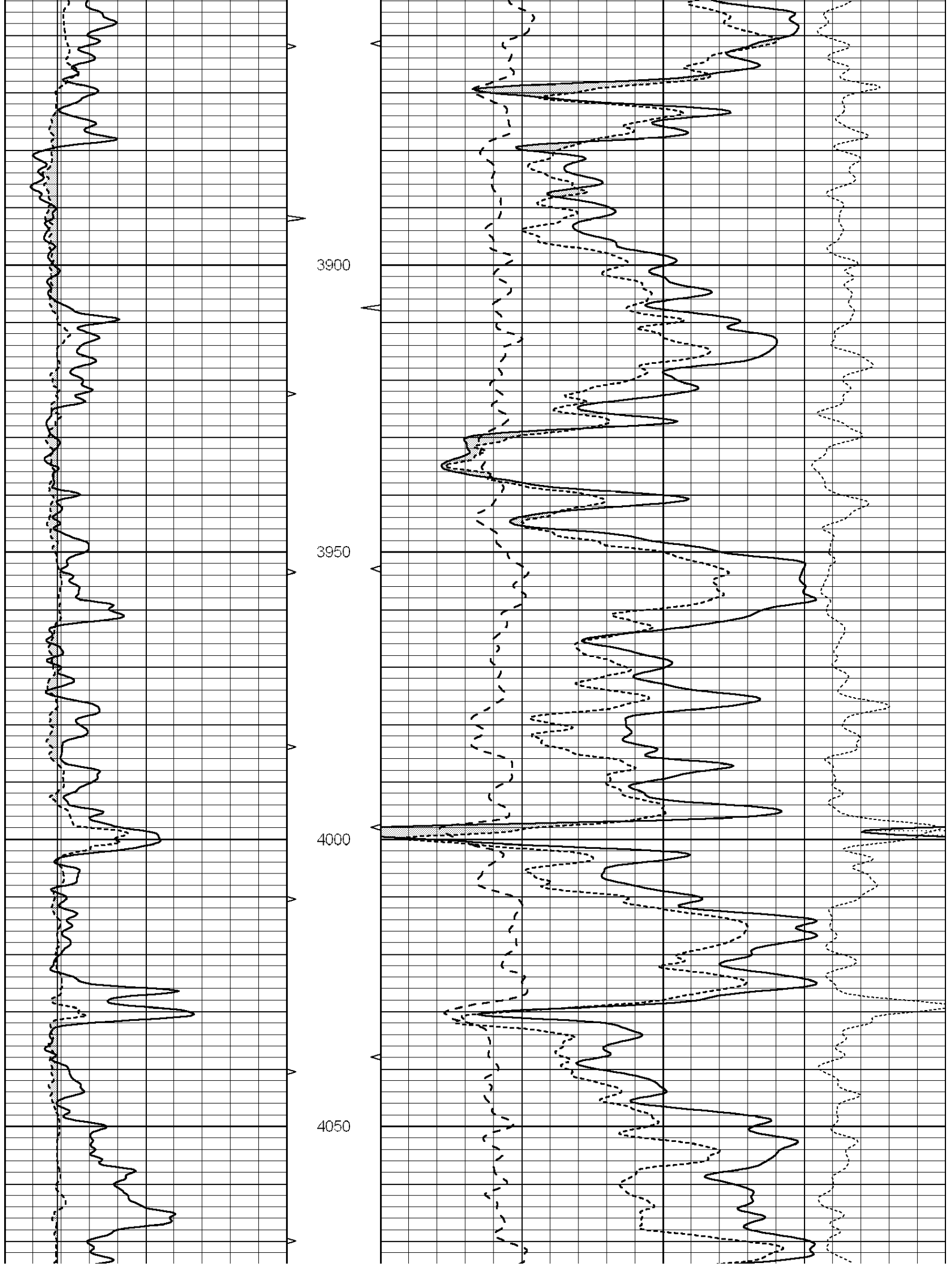


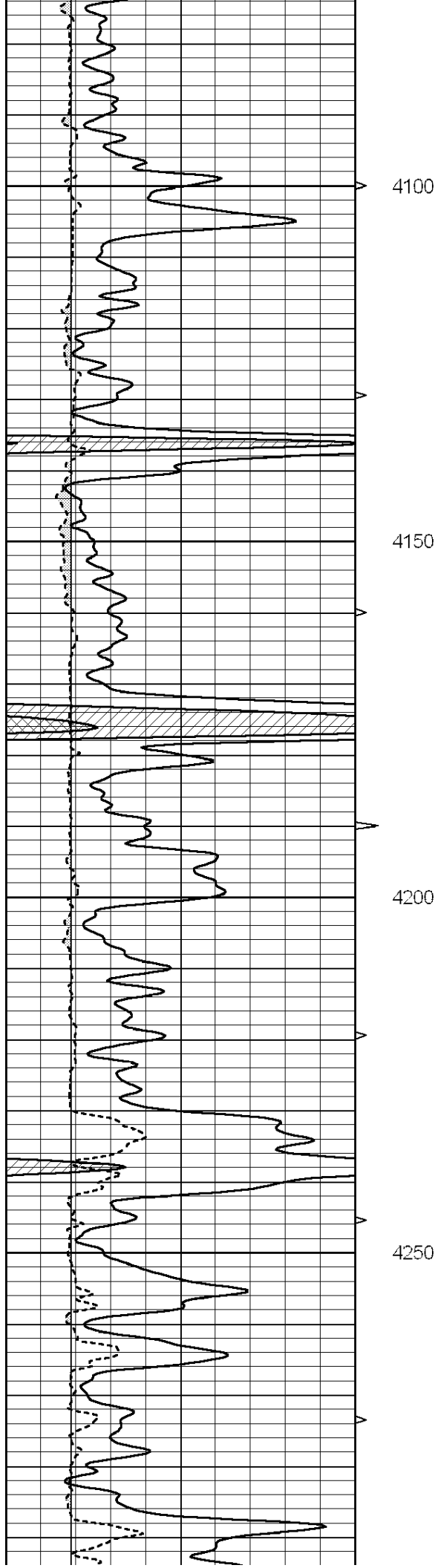










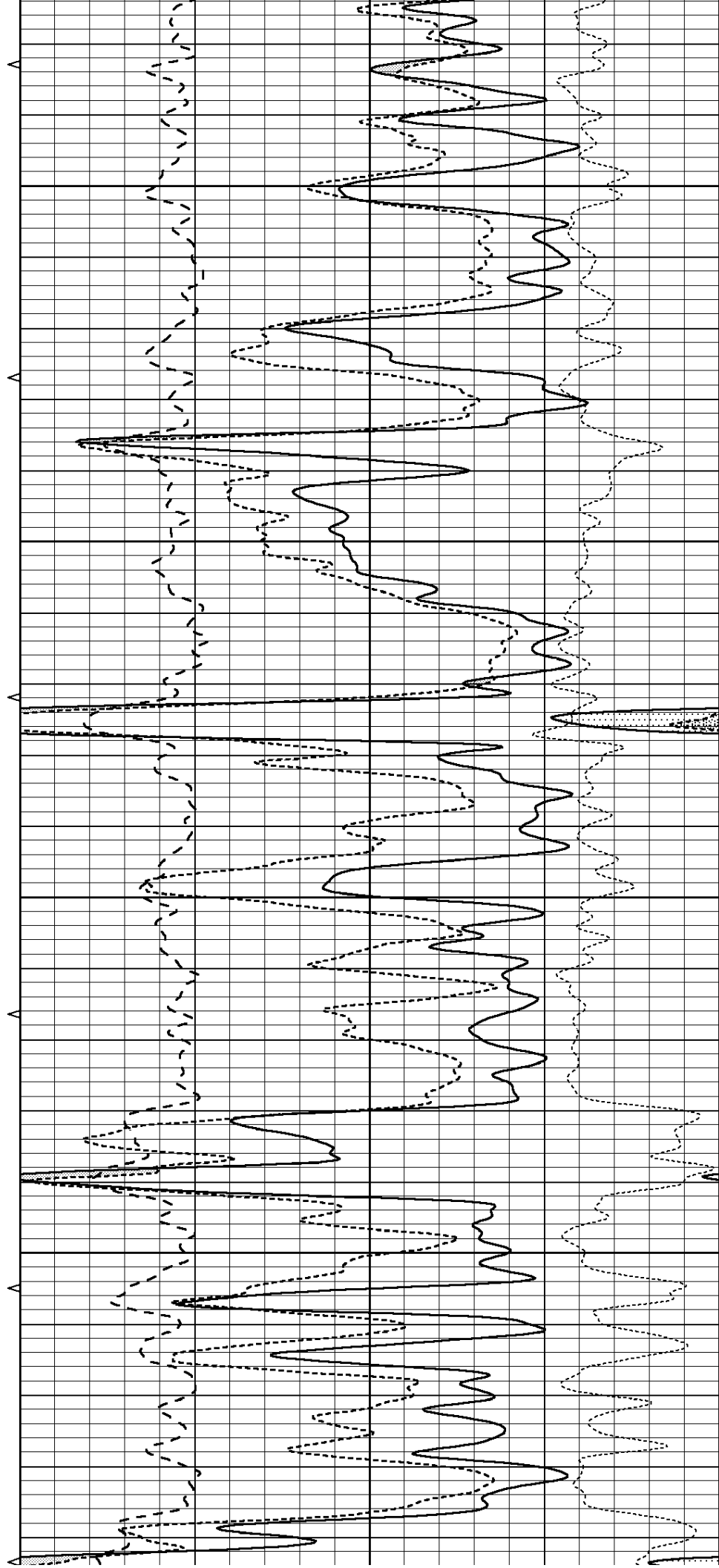


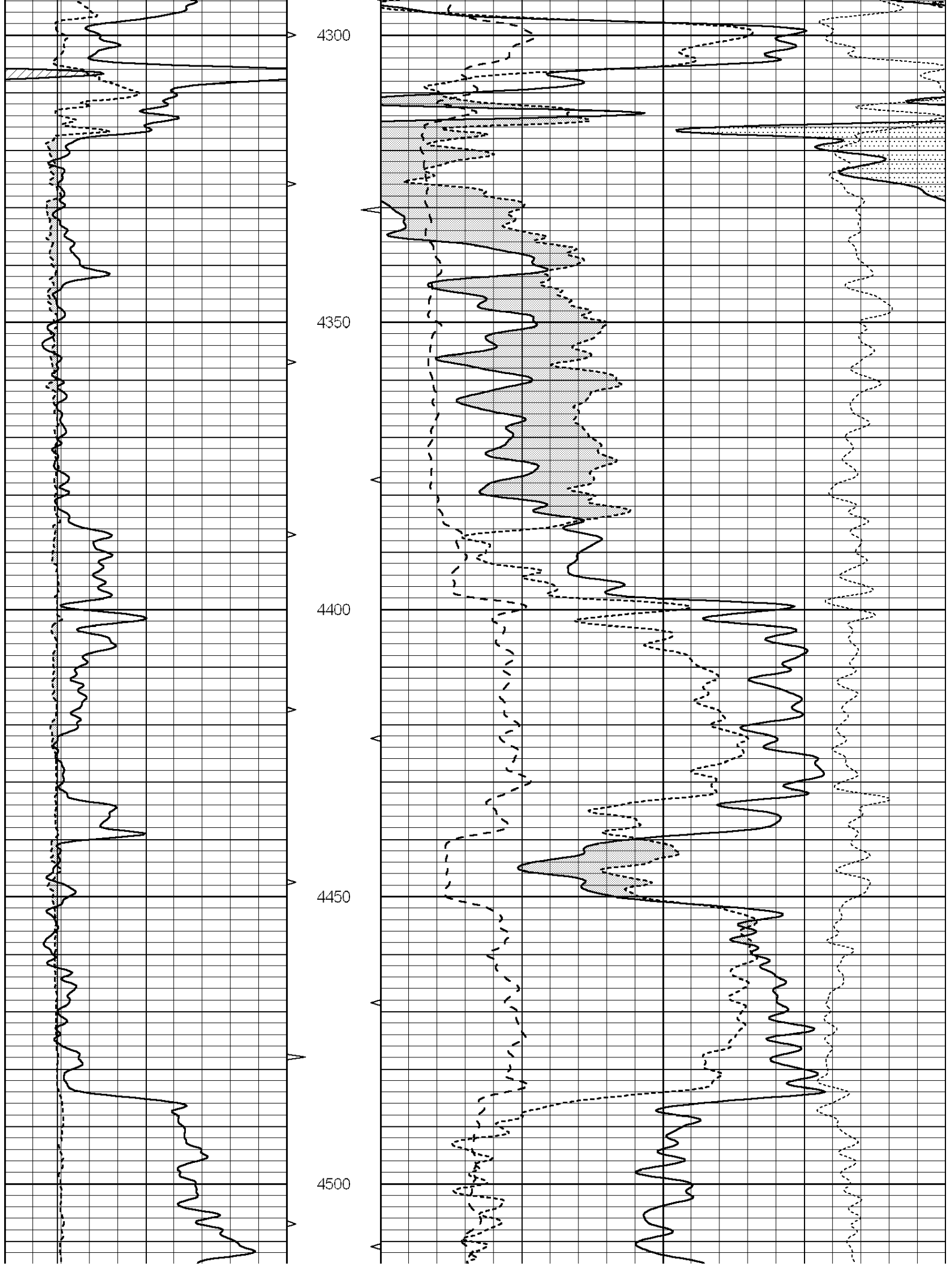
4100

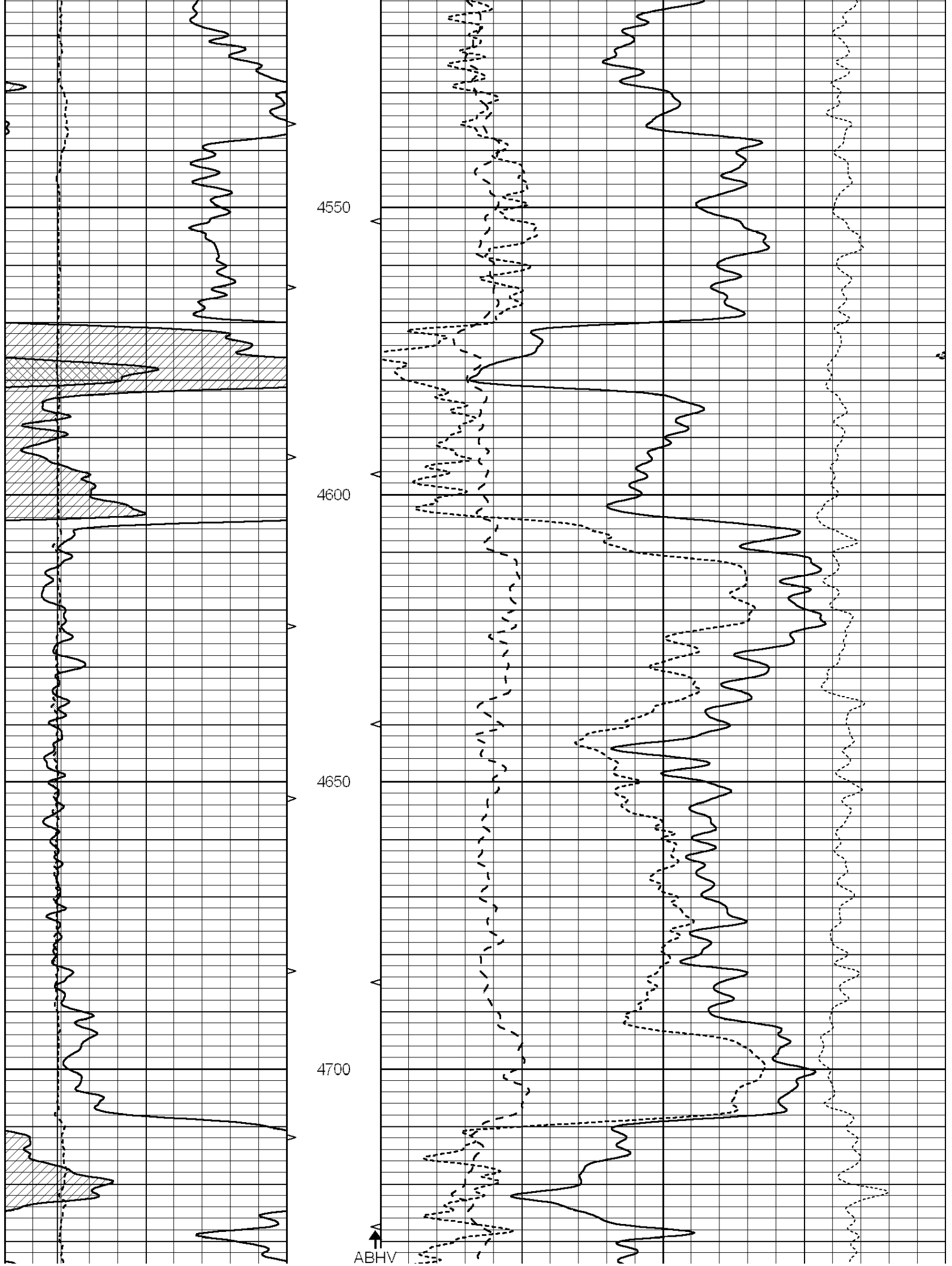
4150

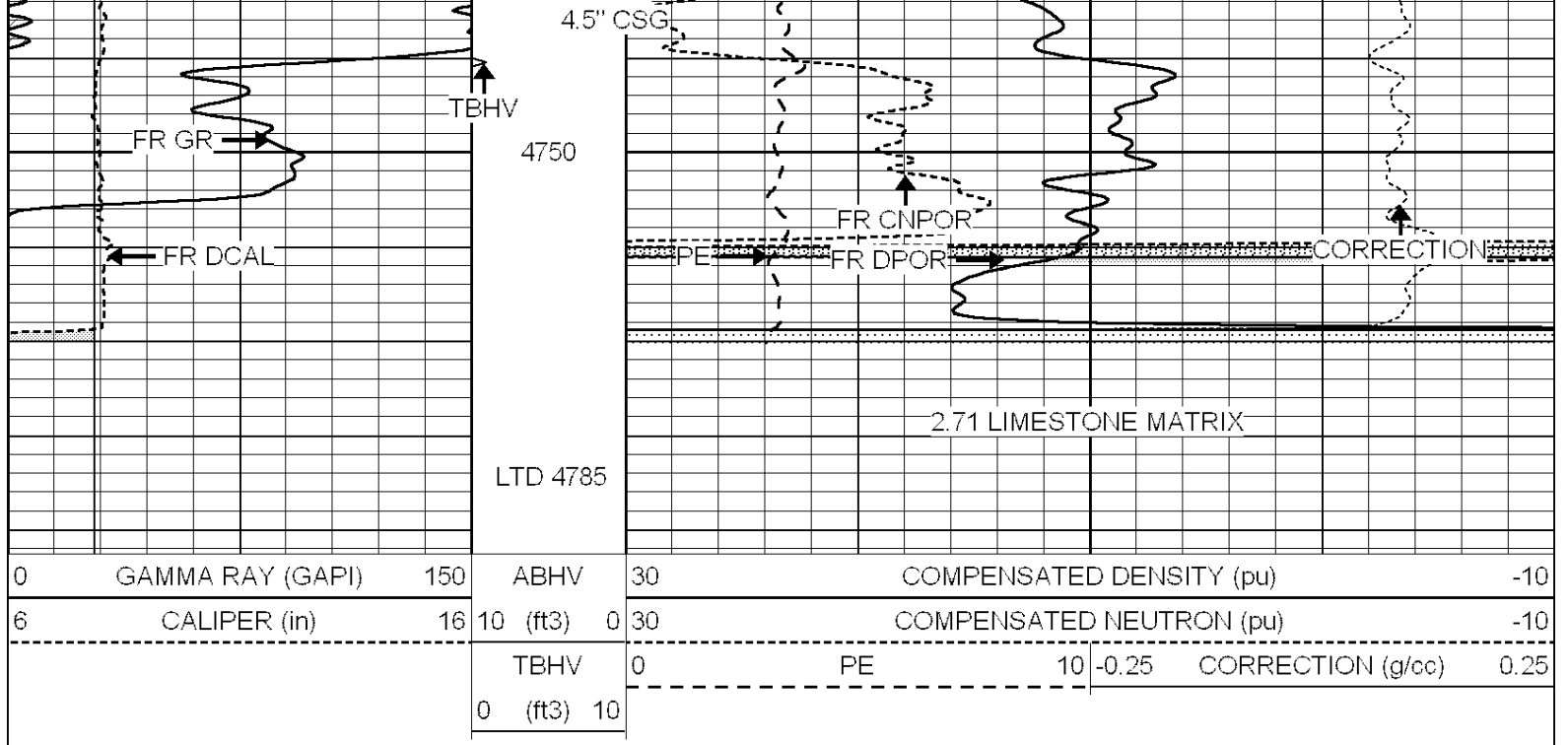
4200

4250





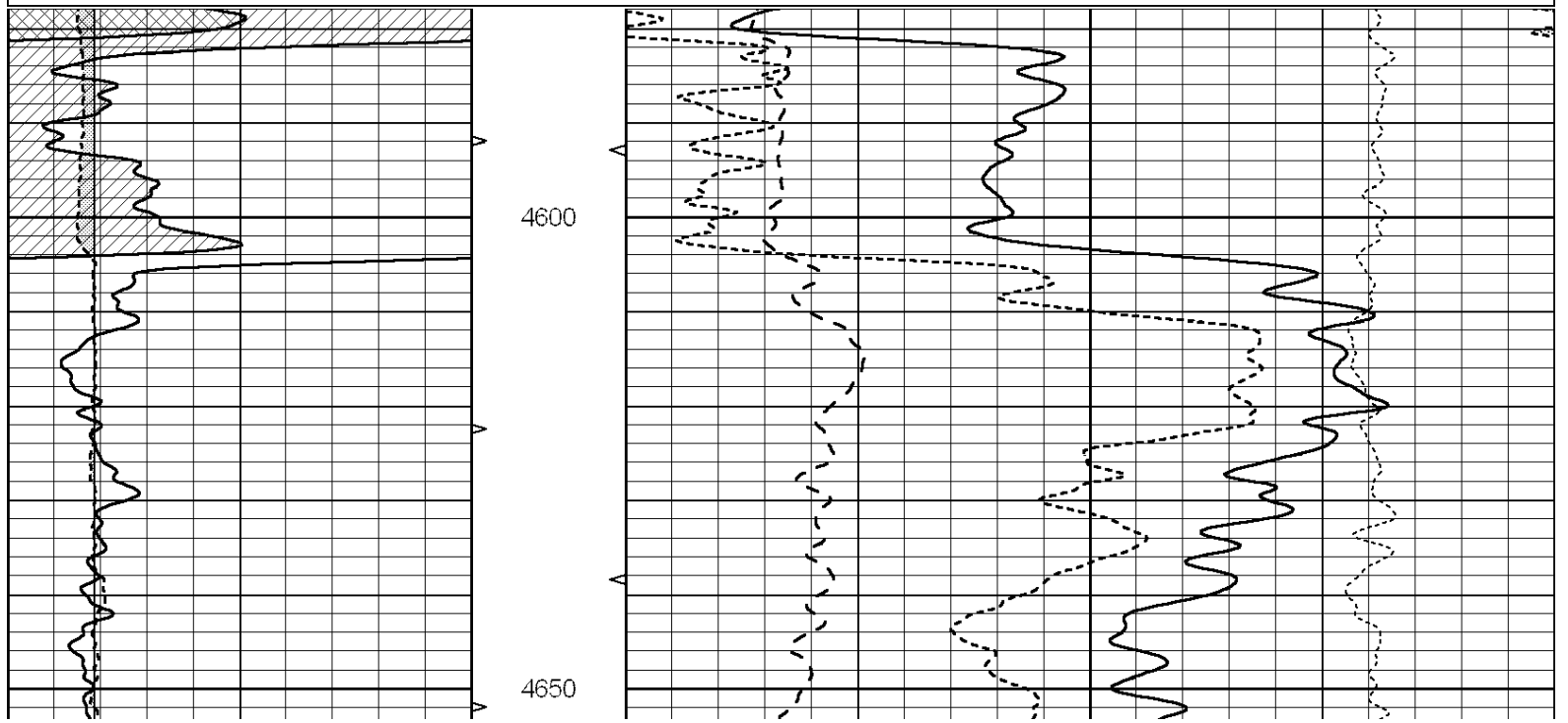
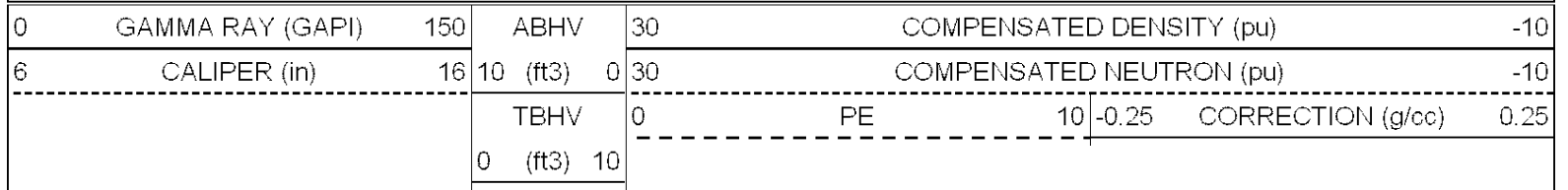


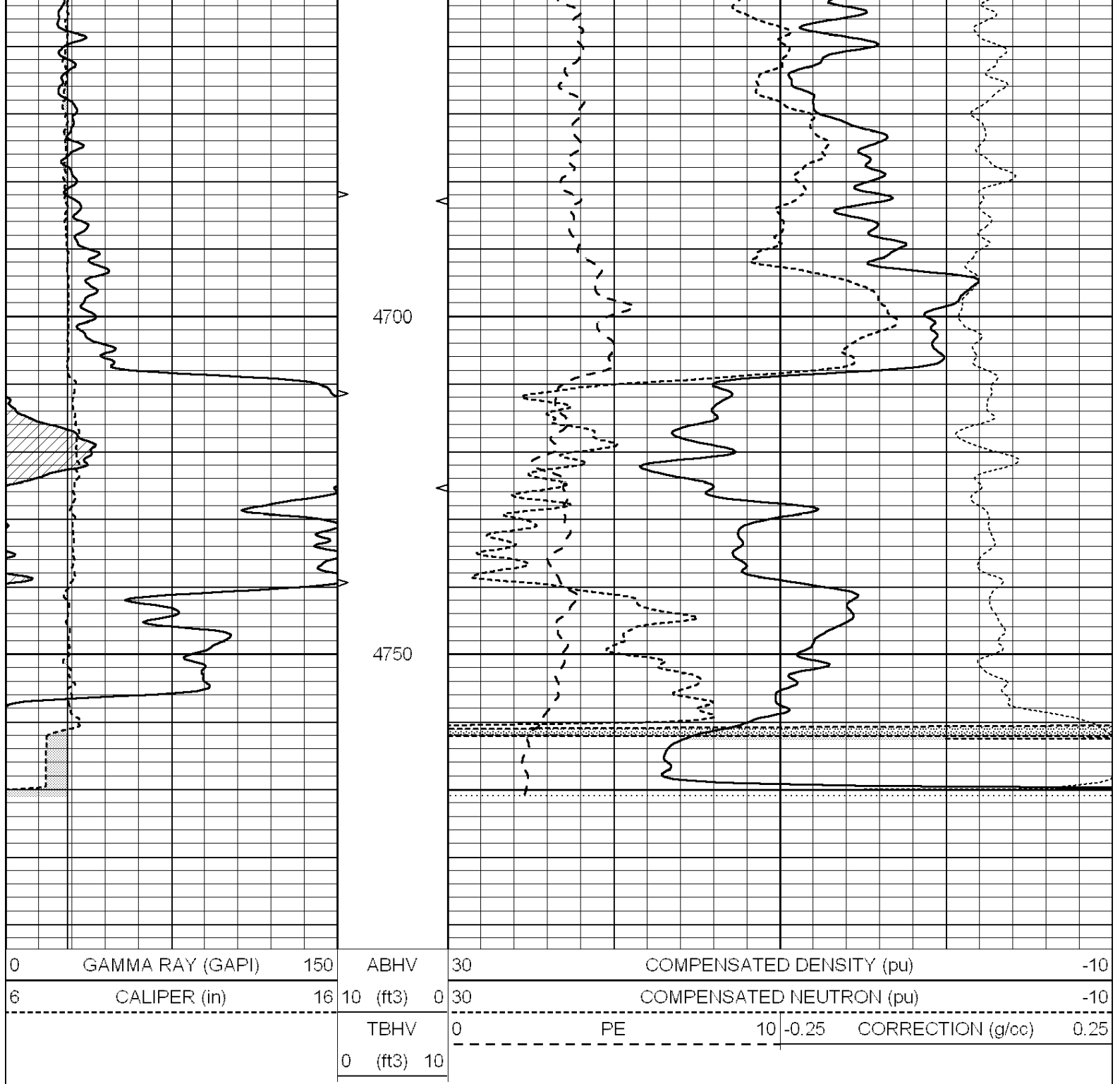


NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

REPEAT SECTION

Database File: 010793pe.db
Dataset Pathname: pass2.1
Presentation Format: _ldt_neu
Dataset Creation: Fri May 24 13:35:01 2013 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 010793pe.db
 Dataset Pathname: pass2.1
 Dataset Creation: Fri May 24 13:35:01 2013 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Fri Aug 01 06:33:19 2008
 Downhole Cal Performed: Mon Jul 28 11:08:27 2008
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Readings		References		Results	
Loop:	Air	Loop	Air	m	b

Deep	0.015	0.648	V	0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 001 Model: PRB								
Performed Thu Sep 17 09:57:21 2009								

Litho Density Calibration								
	Background		Magnesium		Aluminum		Sandstone	
Window 1	2056.0		9796.8		3673.1		10821.3	
Window 2	1920.0		8541.1		3303.5		9307.2	
Window 3	1563.1		4735.7		2212.8		5017.5	
Window 4	466.0		466.1		465.6		471.5	
Long Space	0.0		6621.1		1383.5		7387.2	
Short Space	2.5		2361.7		1523.2		2534.0	
Rho			1.7100		2.5900		1.3800	
Pe					2.5700		1.5500	
Rib Angle	: 44.4		Rib Slope	: 0.978		Density/Spine Ratio	: 0.541	
Spine Angle	: 74.4		Spine Slope	: 3.570		Spine Intercept	: -18.9	

Caliper								
	Readings		Reference					
Low Ref	3.1		8.4					
High Ref	4.3		14.3					
	Gain: 4.6		Offset: -7.3					

Compensated Neutron Calibration Report								
--	--	--	--	--	--	--	--	--

Serial Number: 6I								
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:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps