

Patterson

**COMPENSATED DENSITY
NEUTRON
LOG**

Company	XTO Energy Inc.		
Well	Golden Eagle 22-05 X		
Field	Purgatoire River		
County	Las Animas	State	Colorado
Location:	API # : 05 071 08731 00		Other Services
	' FNL & ' FEL		DIL
Permanent Datum	SEC 22	TWP 33S	RGE 67W
Log Measured From	Ground Level	Elevation	7600'
Drilling Measured From	Ground Level		Elevation
			K.B. -----
			D.F. -----
			G.L. 7600'
Date	3-25-06		
Run Number	Two		
Depth Driller	2355'		
Depth Logger	2352'		
Bottom Logged Interval	2350'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 865'		
Casing Logger	855'		
Bit Size	7 7/8"		
Type Fluid in Hole	Water		
Density / Viscosity	///		
pH / Fluid Loss	///		
Source of Sample	///		
Rm @ Meas. Temp	///		
Rmf @ Meas. Temp	///		
Rmc @ Meas. Temp	///		
Source of Rmf / Rmc	///		
Rm @ BHT	///		
Time Circulation Stopped	1:00 P.M.		
Time Logger on Bottom	5:30 P.M.		
Maximum Recorded Temperature	107 DEG F		
Equipment Number	T720		
Location	Trinidad		
Recorded By	M. Norton		
Witnessed By	Mr. Don Johnson		

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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

Neutron Density Porosity Presented On Sandstone Matrix.
ABHV Calculated For 5 1/2" Casing.
Well Directions:
Hwy 12 Two Miles Past Weston Turn Right(Lopez Canyon), Thru Gate,
At T Stay Right, At Y Stay Right, First Left To Location.

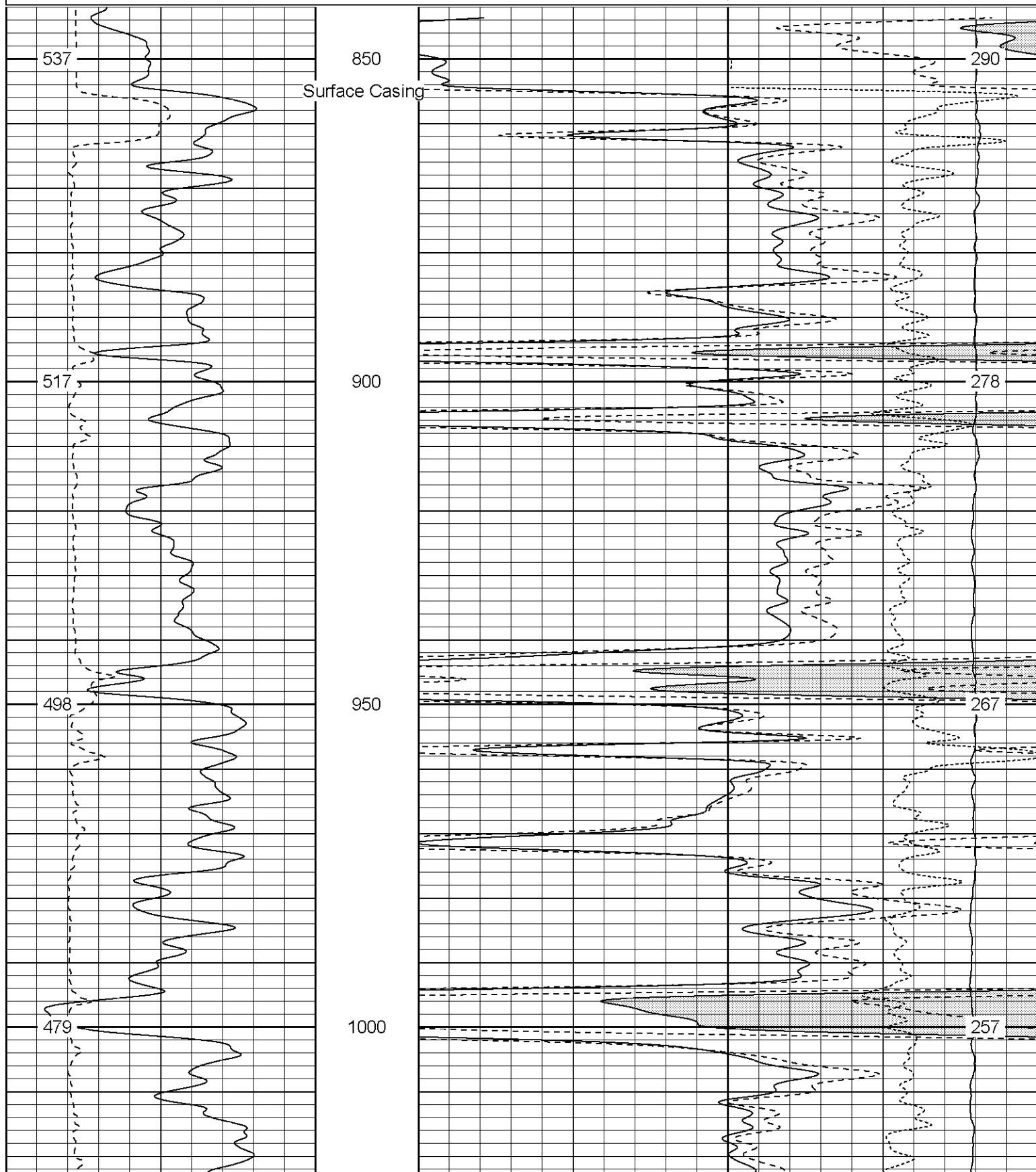
Patterson

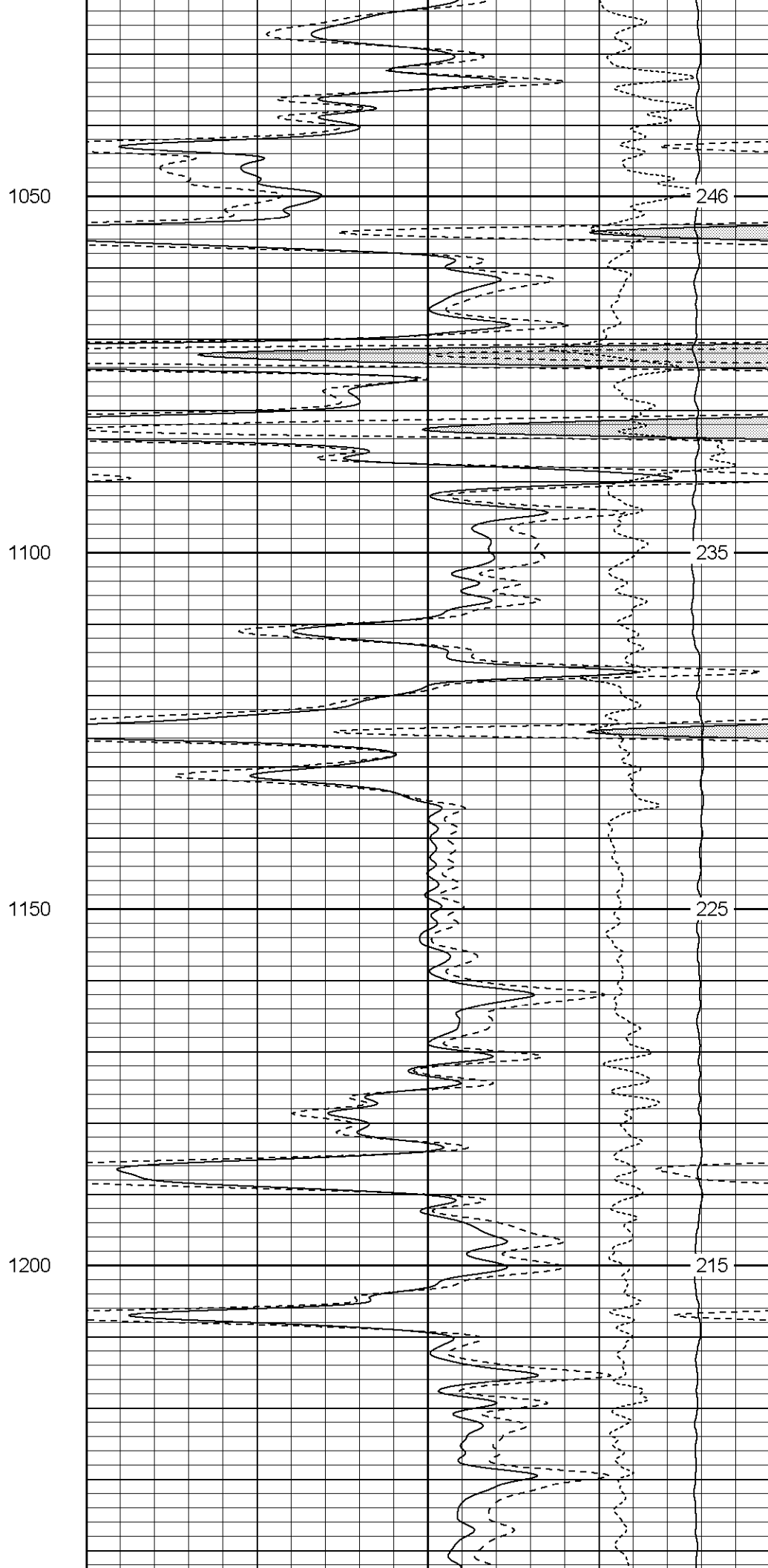
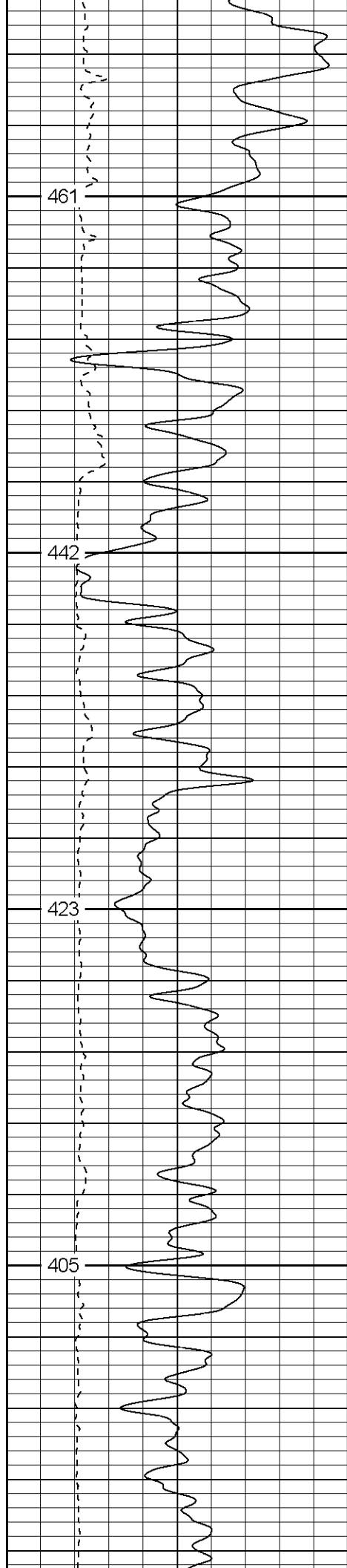
Main Pass

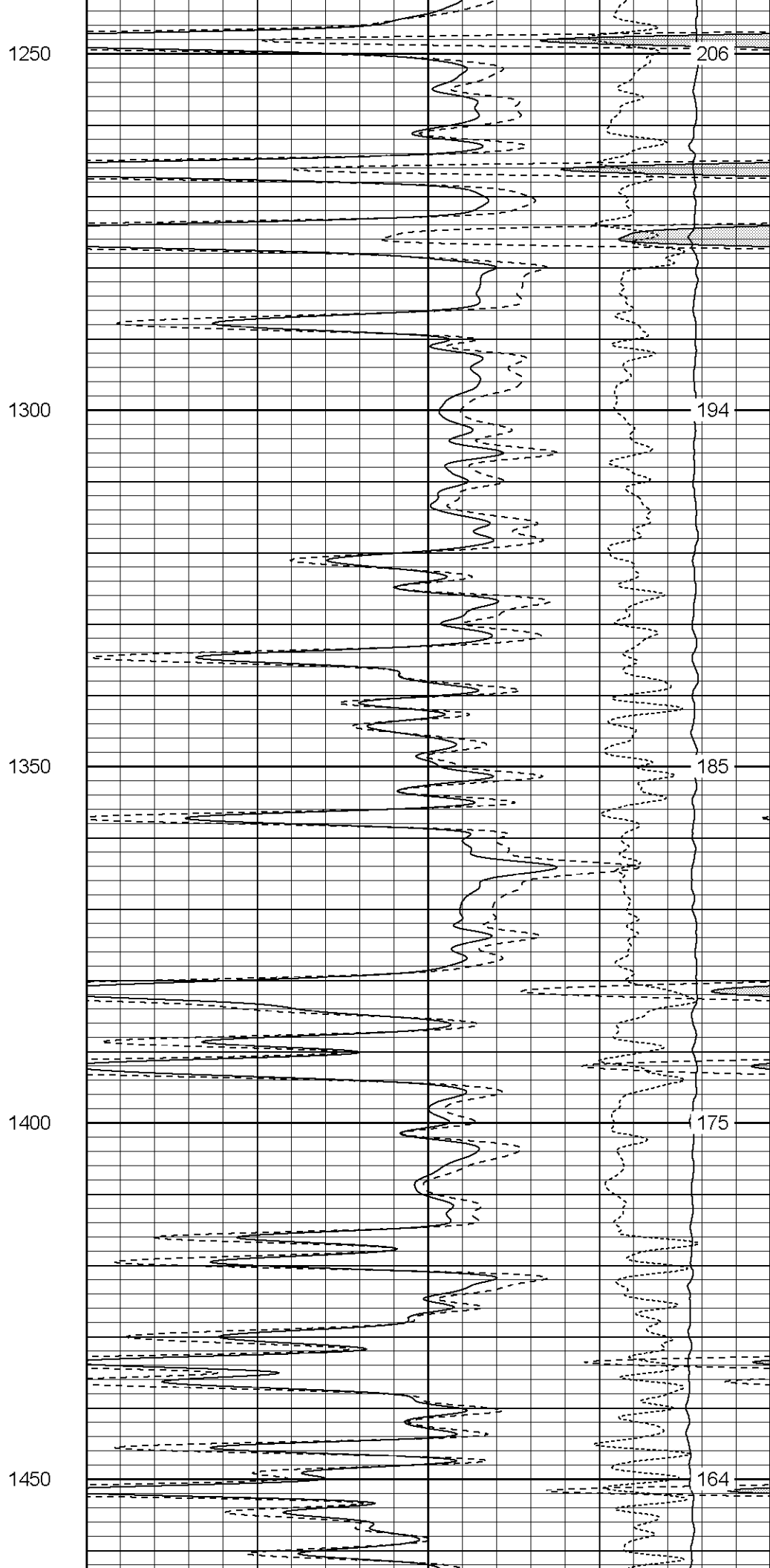
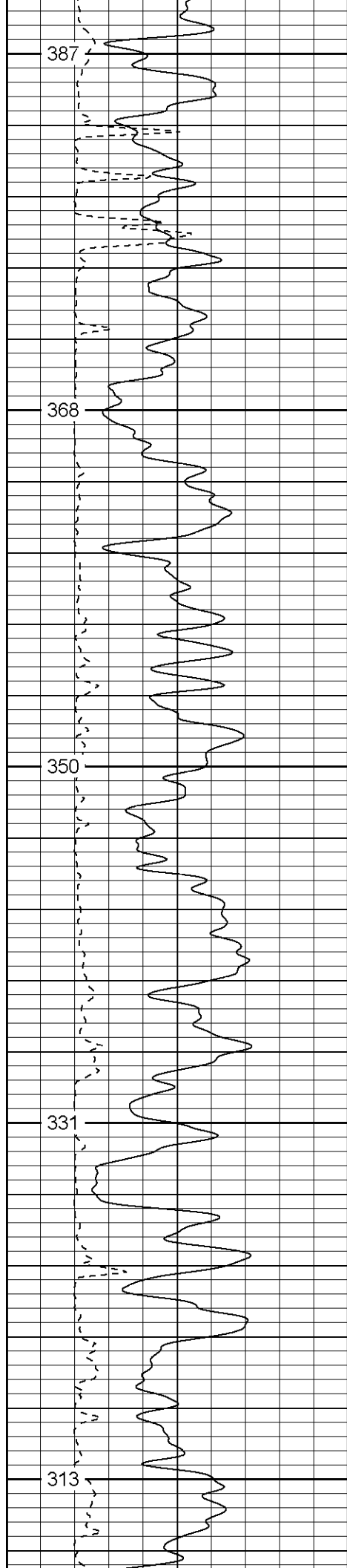
Database File: xtoge2205x.db
Dataset Pathname: pass5.1
Presentation Format: cdl
Dataset Creation: Sat Mar 25 18:48:49 2006 by Calc Warrior 7.0 STD Ope
Charted by: Depth in Feet scaled 1:240

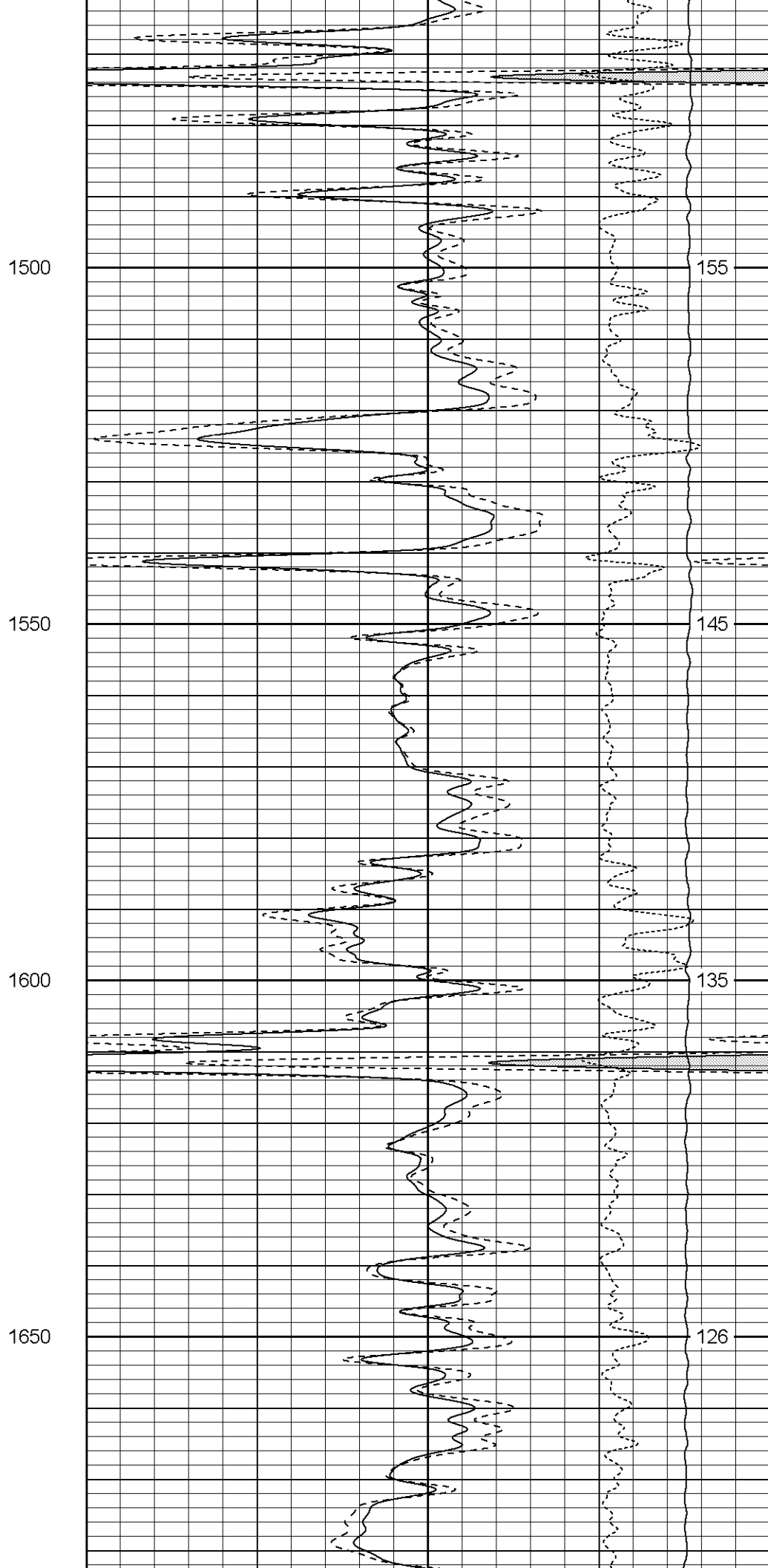
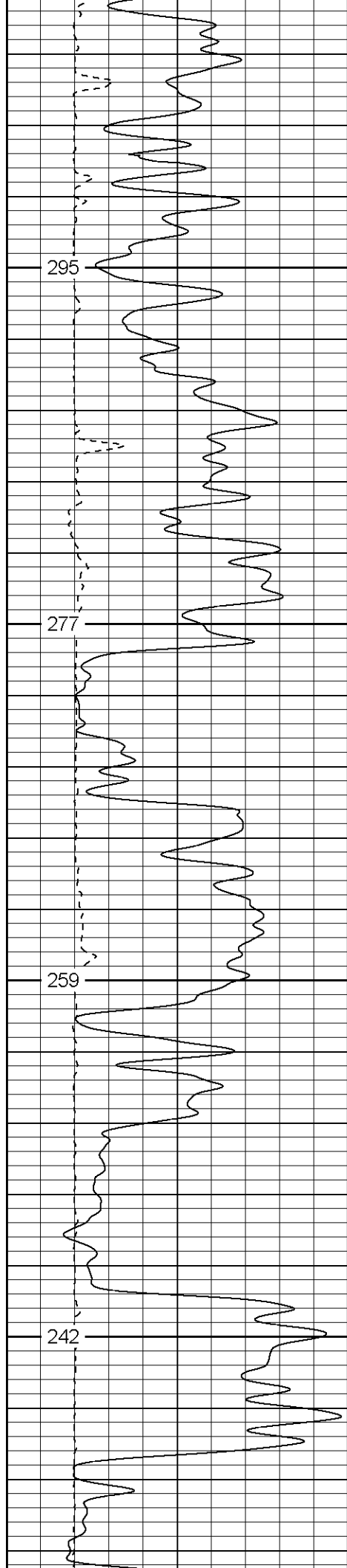
0	GR (GAPI)	200
6	DCAL (in)	16

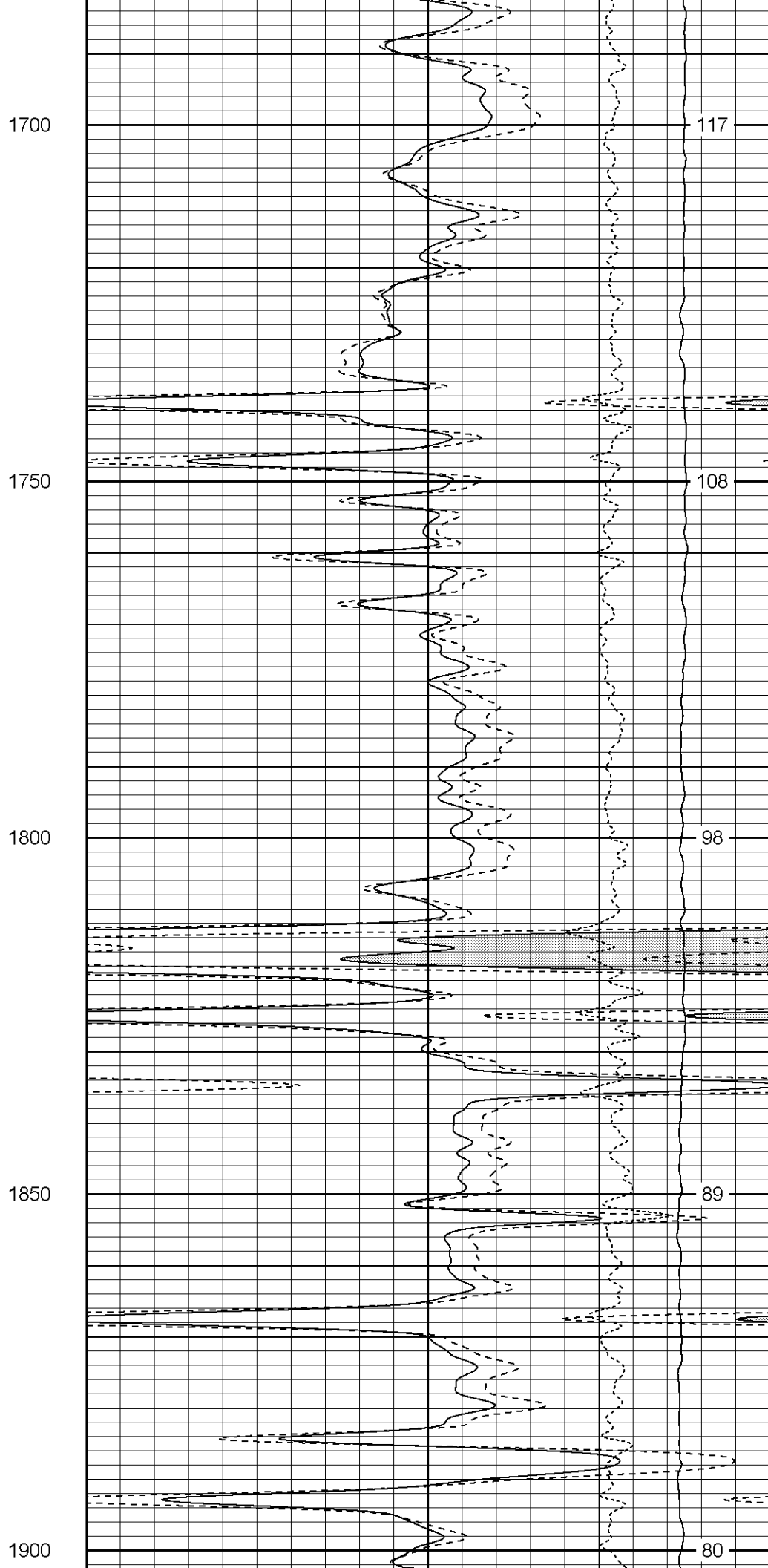
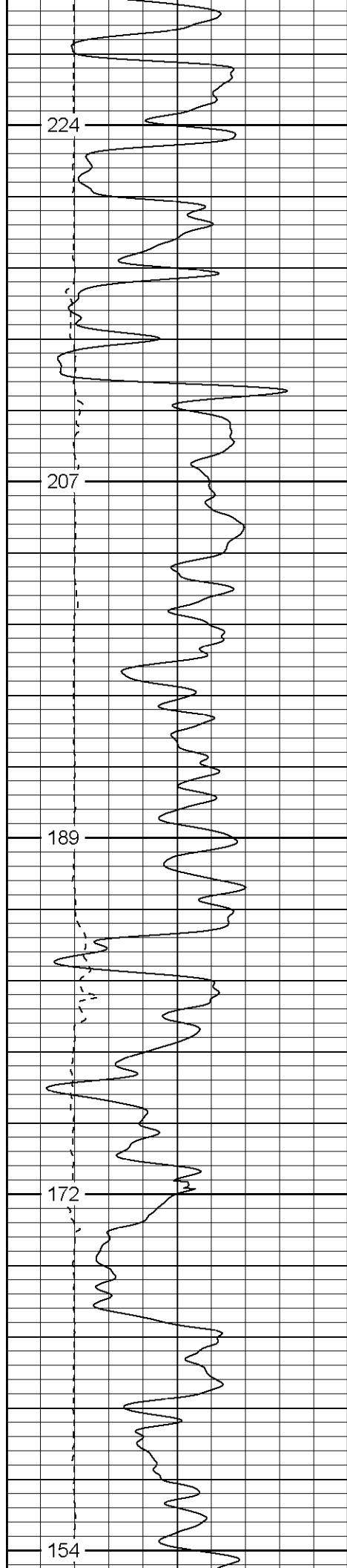
1	RHOB (g/cc)	2
30	DPOR (pu)	-10
-0.5	RHOC (g/cc)	0.5
4000	LTEN (lb)	0

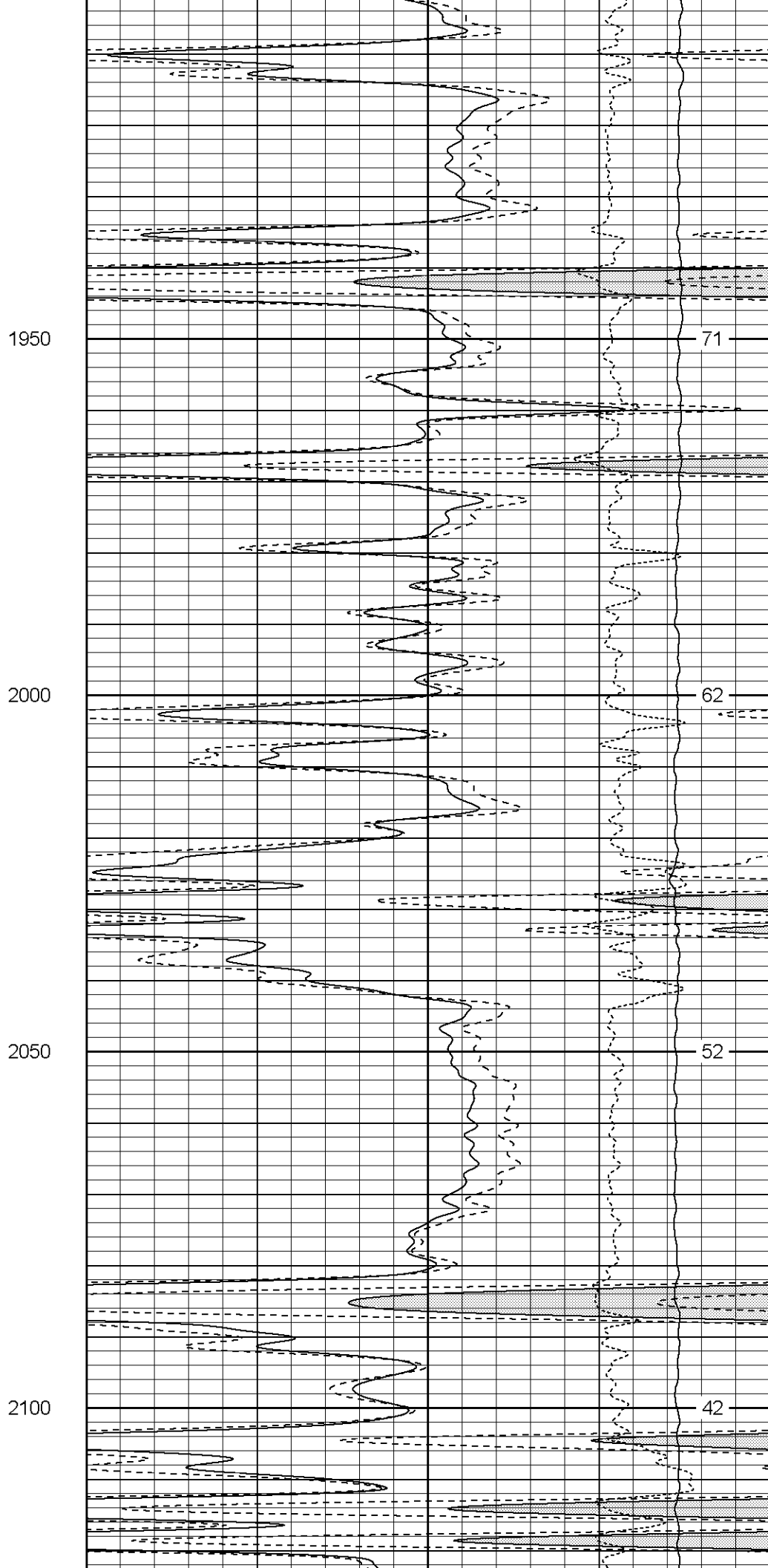
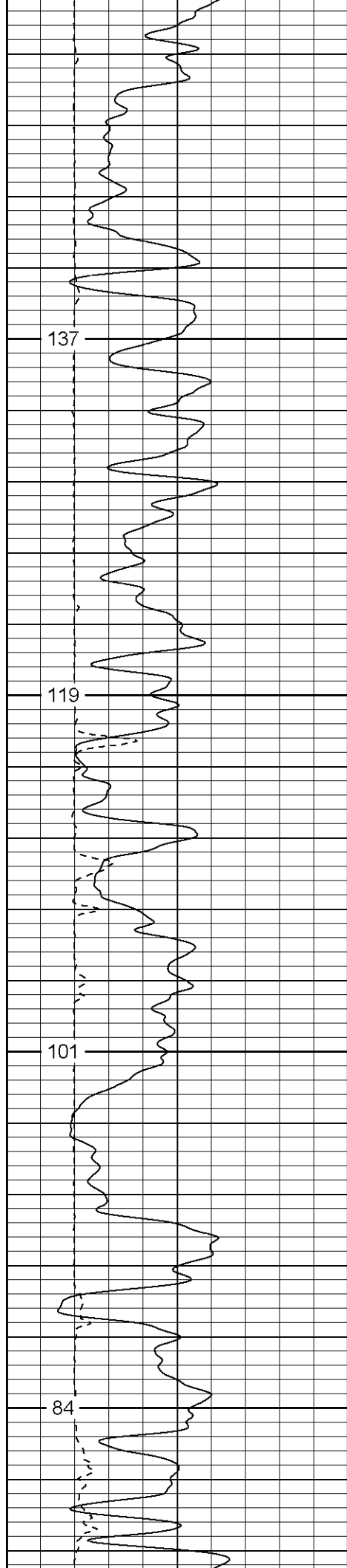


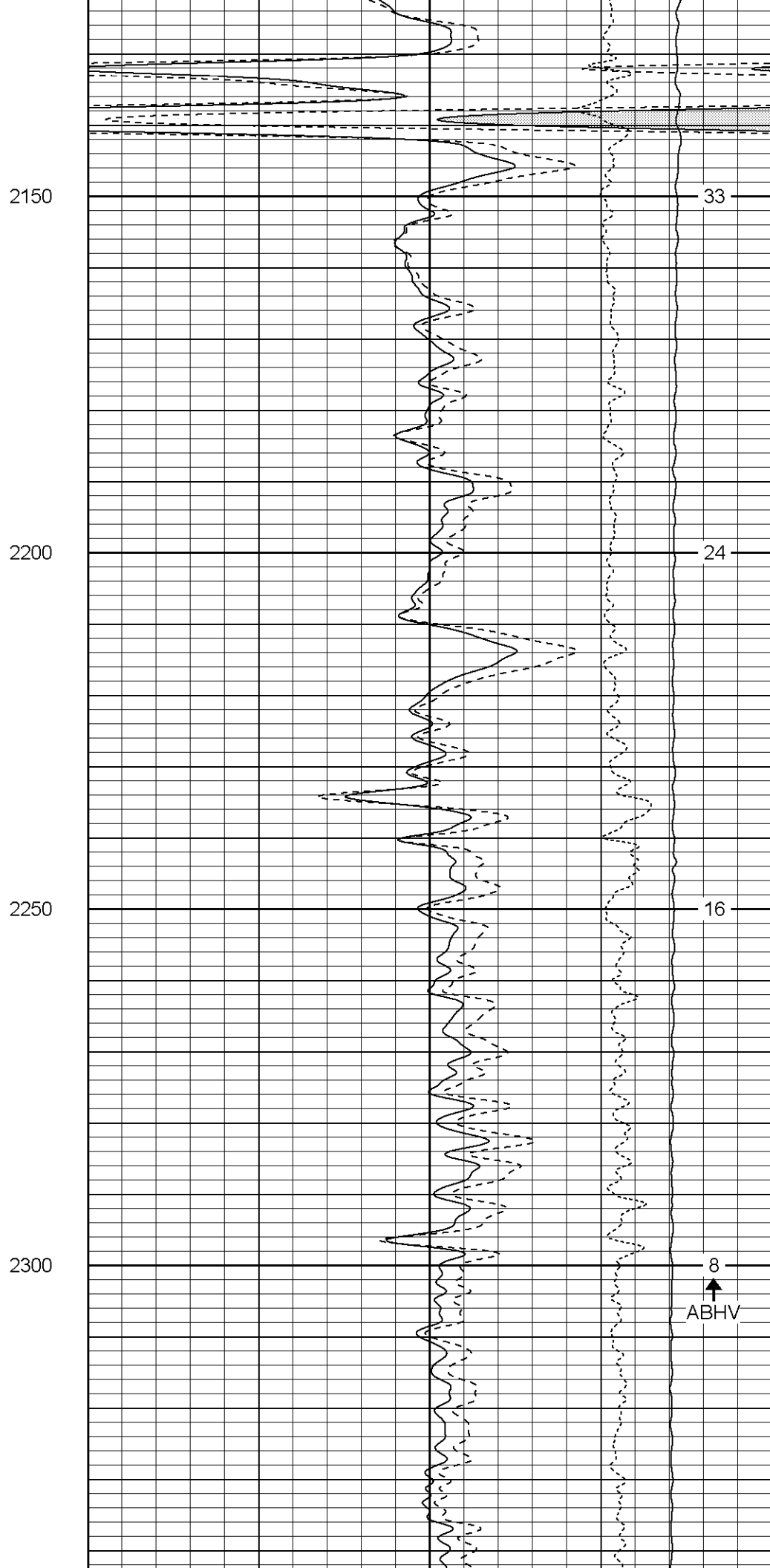
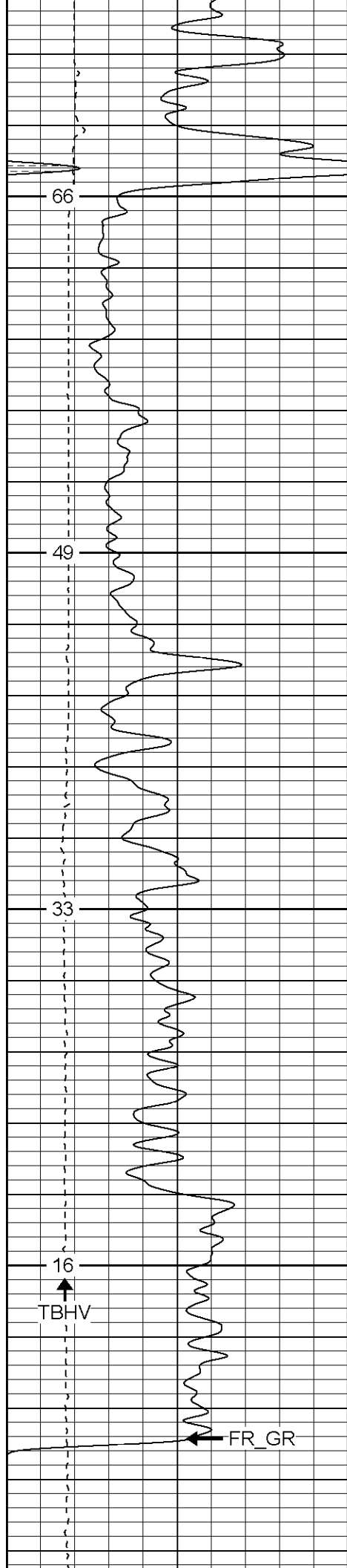












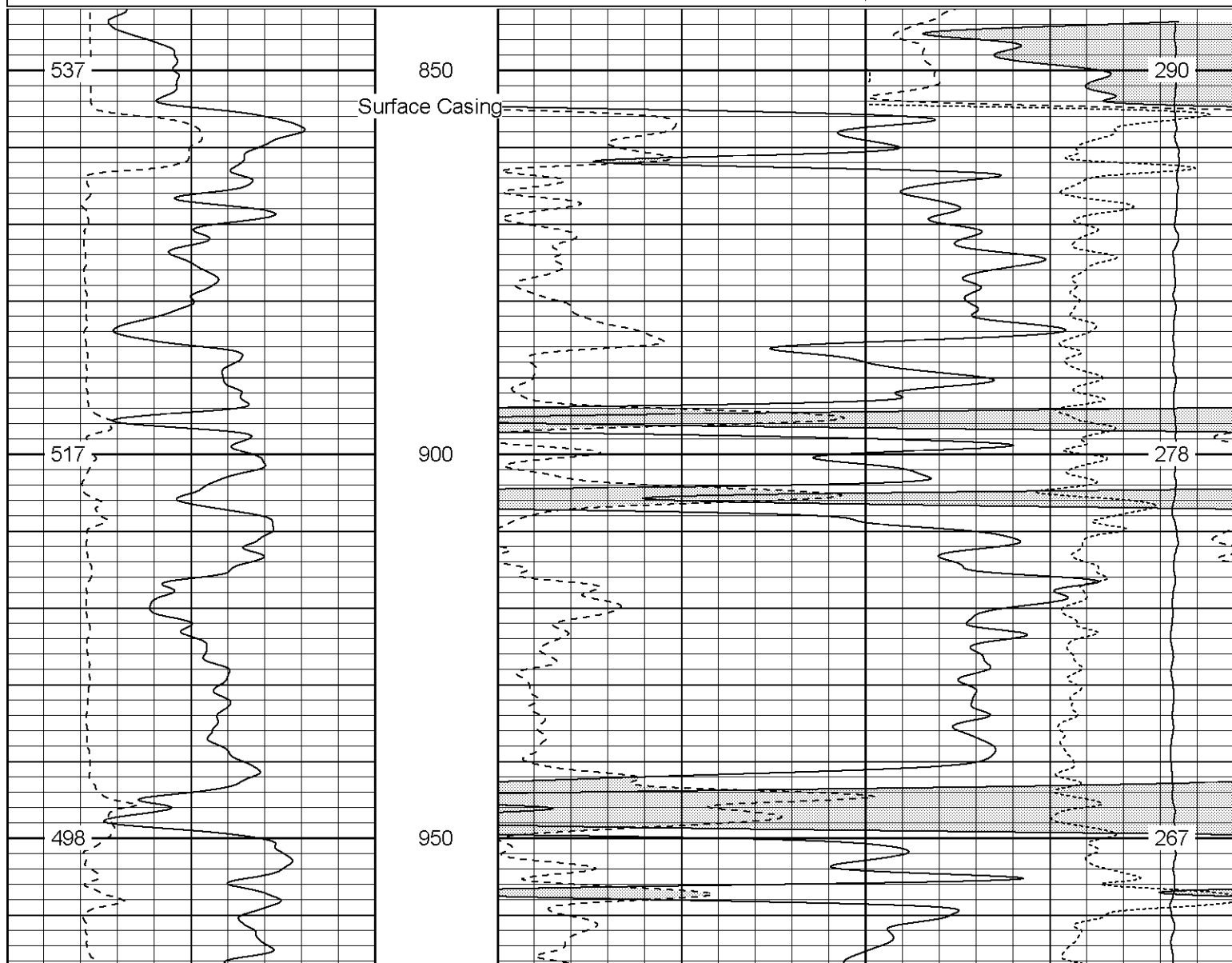
FR_DCAL			FR_DENSITY			FR_RHOC		
0			2350					
0	GR (GAPI)	200	1	RHOB (g/cc)				2
6	DCAL (in)	16	30	DPOR (pu)				-10
			-0.5			RHOC (g/cc)		0.5
			4000			LTEN (lb)		0

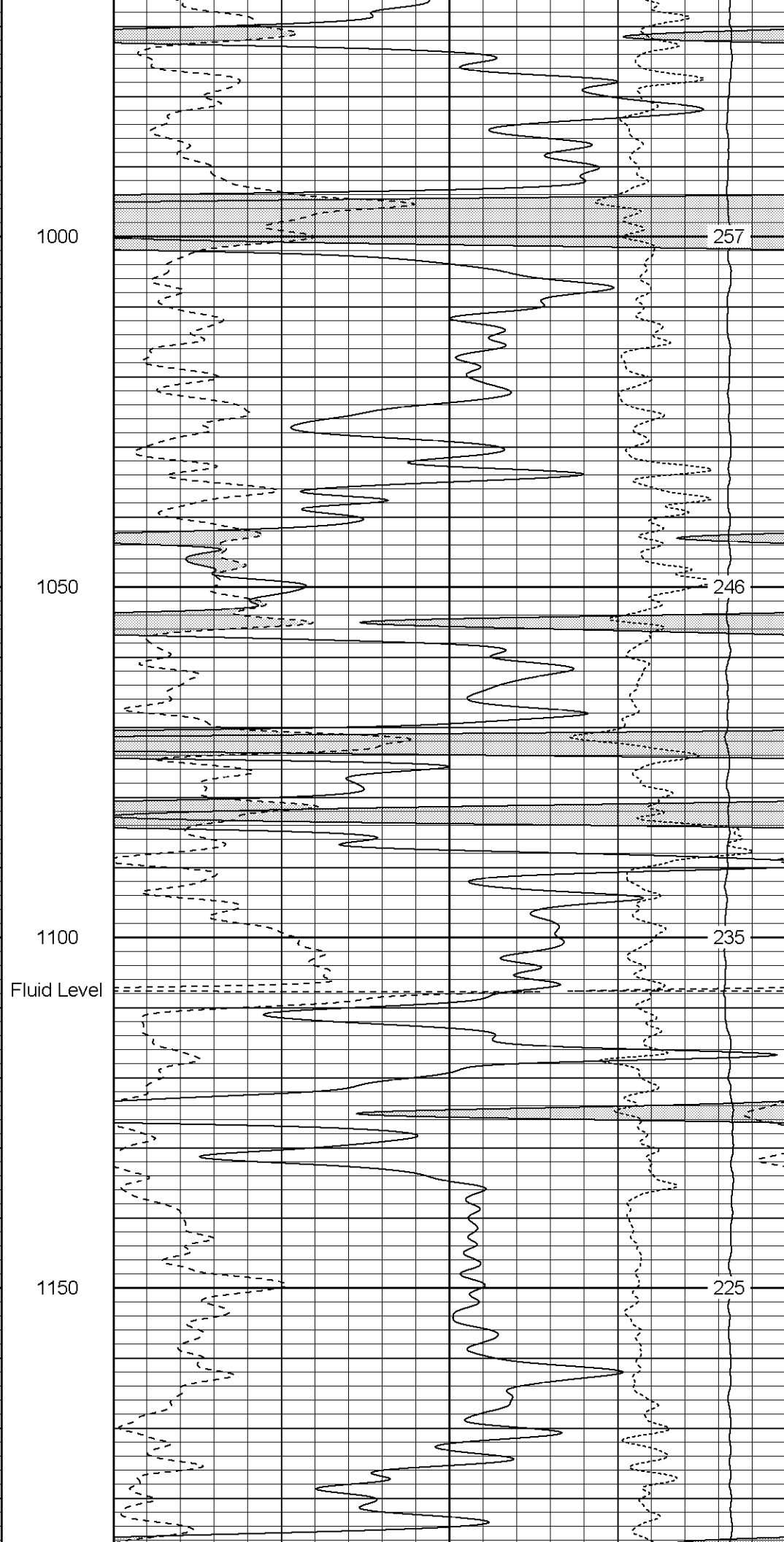
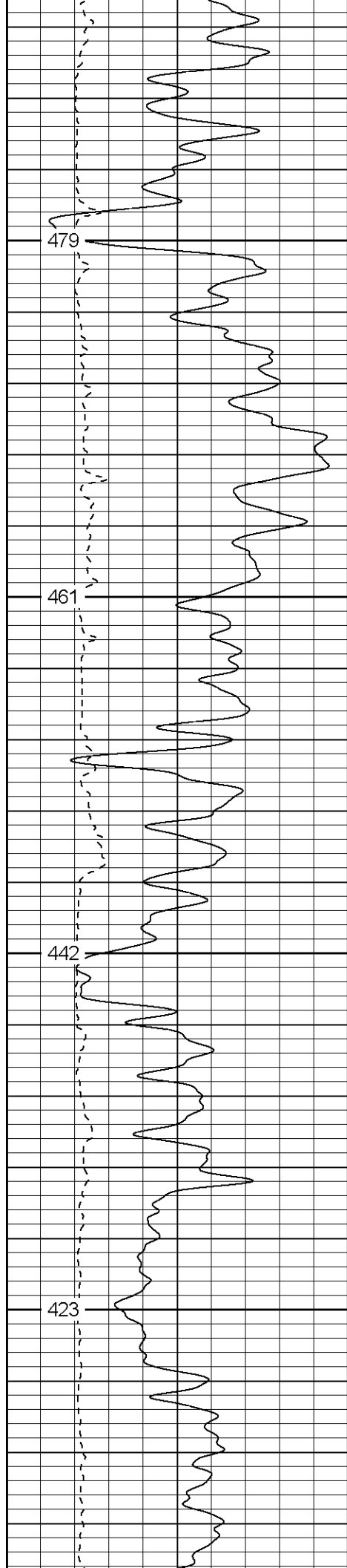
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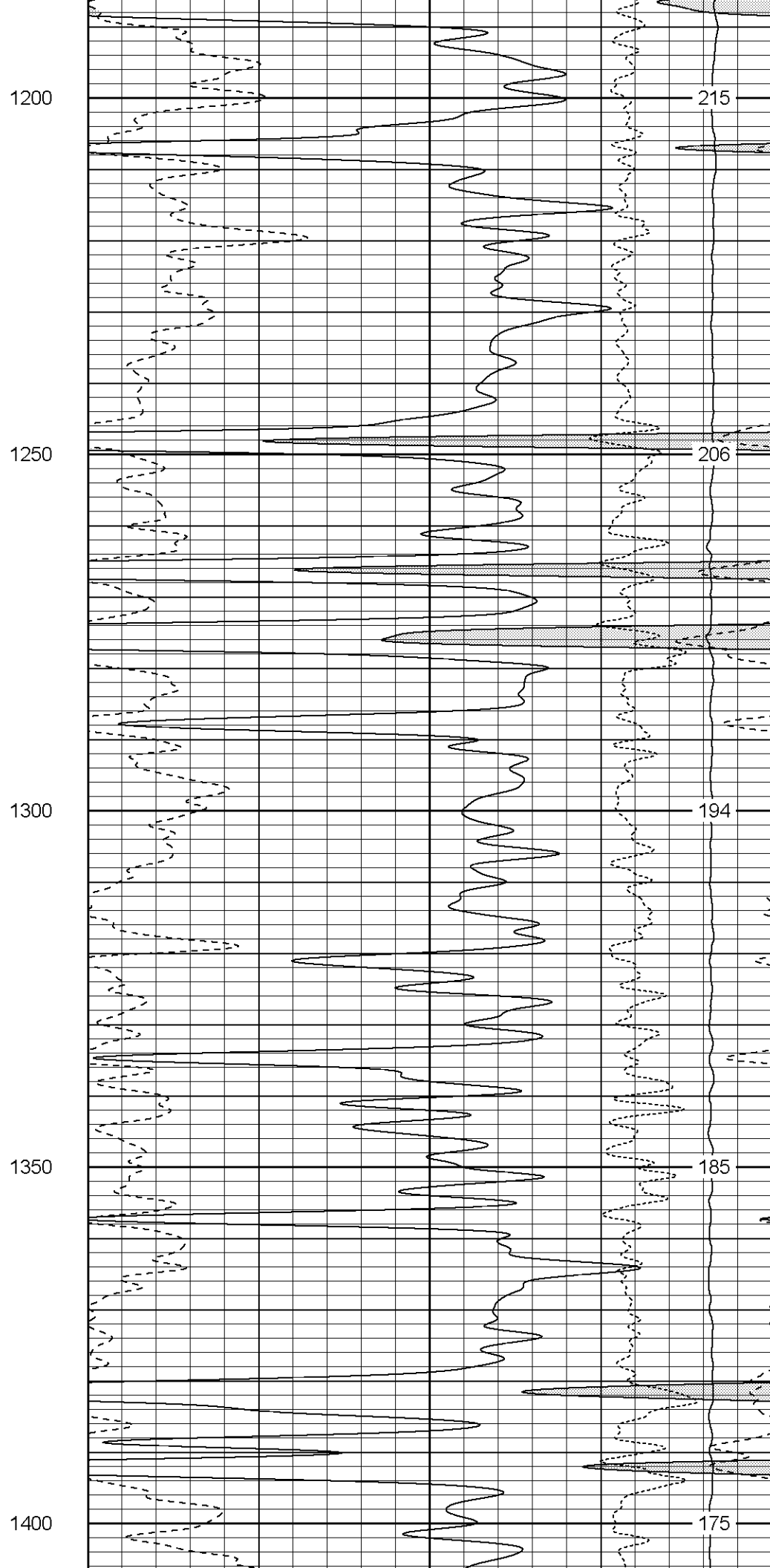
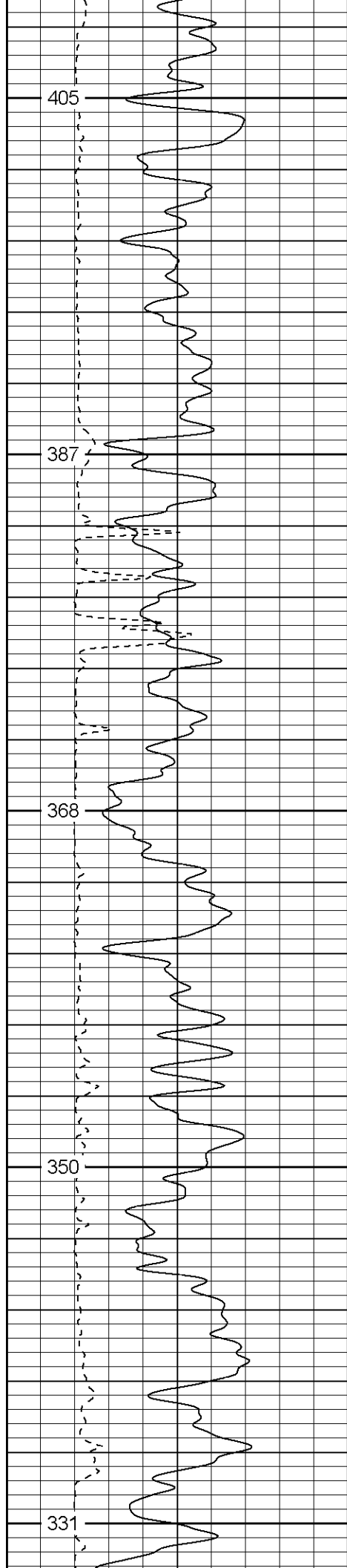
Main Pass

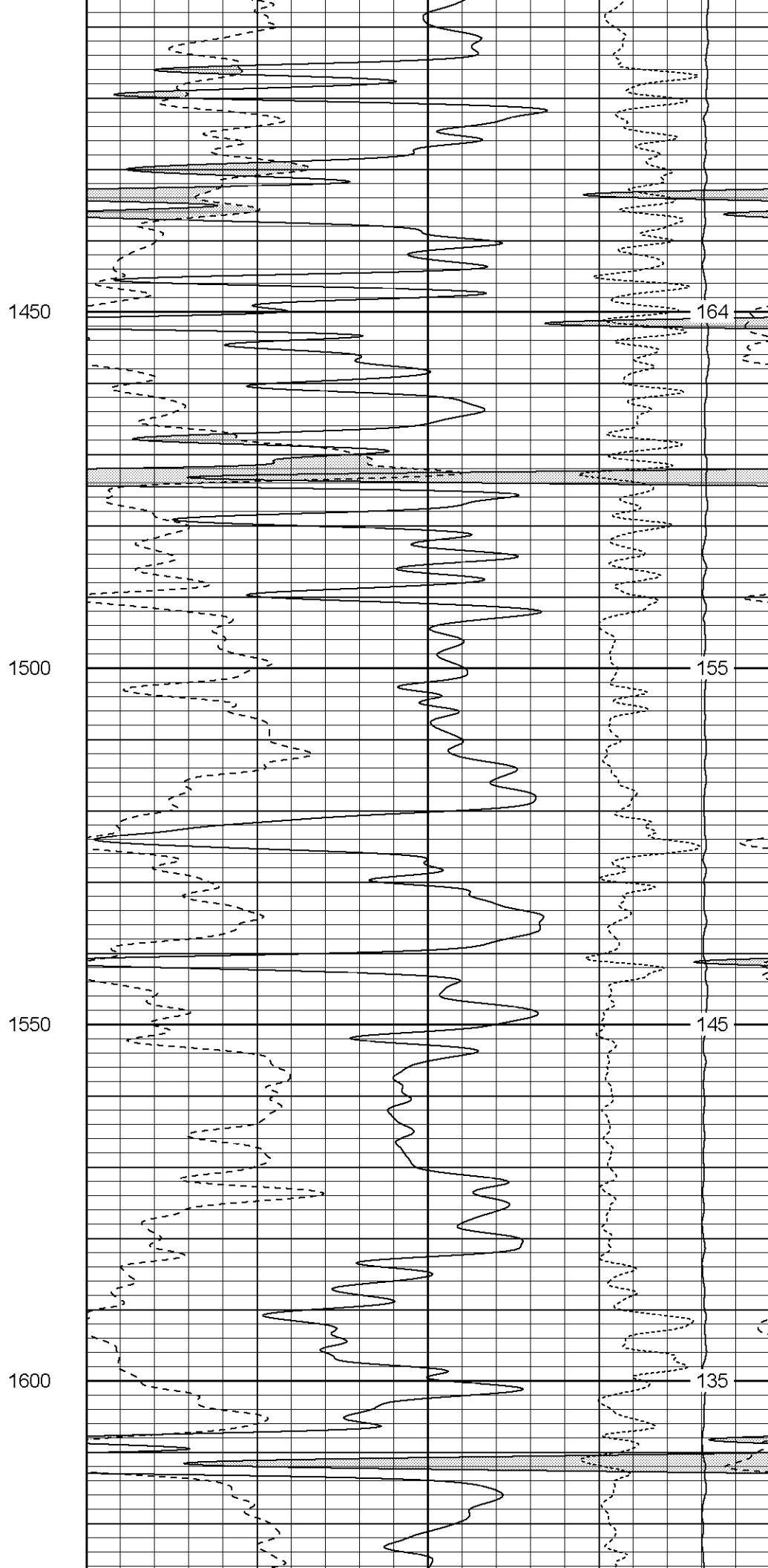
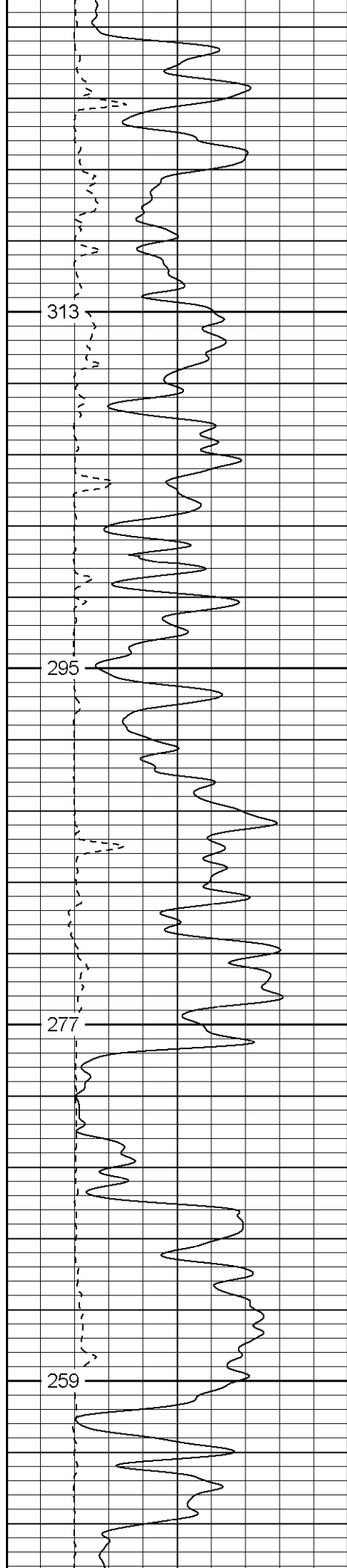
Database File: xtoge2205x.db
Dataset Pathname: pass5.1
Presentation Format: cdnl
Dataset Creation: Sat Mar 25 18:48:49 2006 by Calc Warrior 7.0 STD Ope
Charted by: Depth in Feet scaled 1:240

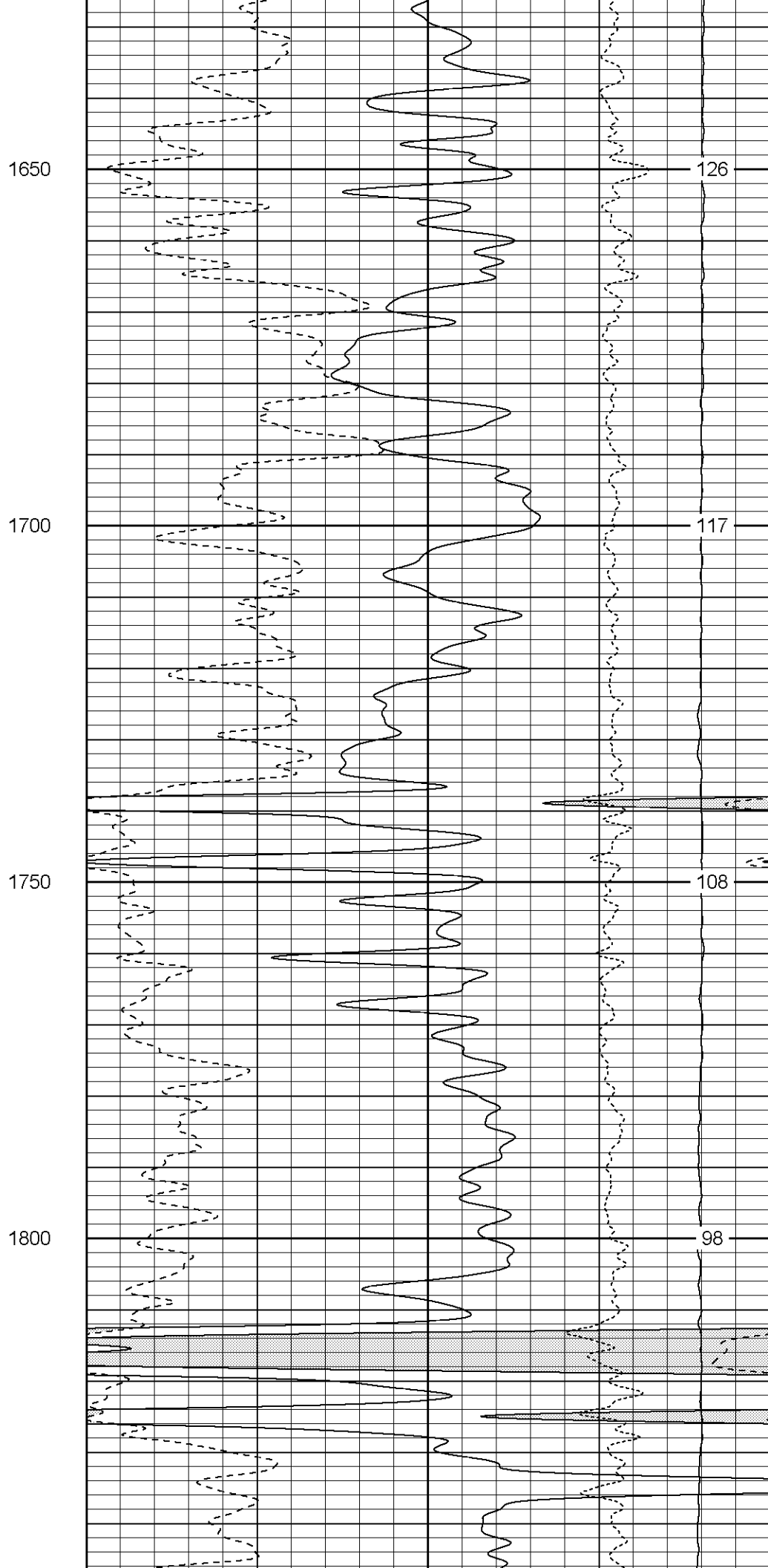
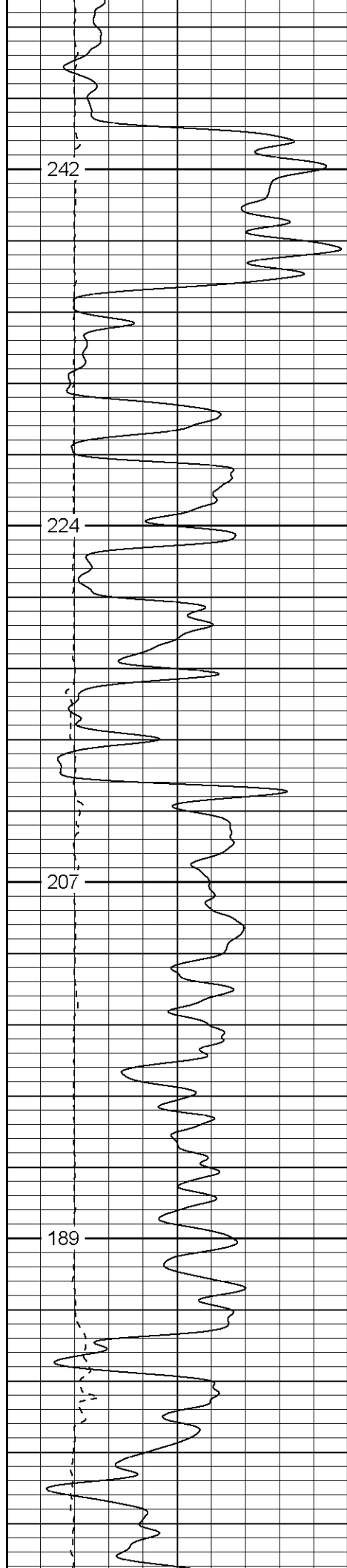
0	GR (GAPI)	200	30	NPOR (pu)	-10	
6	DCAL (in)	16	30	DPOR (pu)	-10	
				-0.5	RHOC (g/cc)	0.5
				5000	LTEN (lb)	0

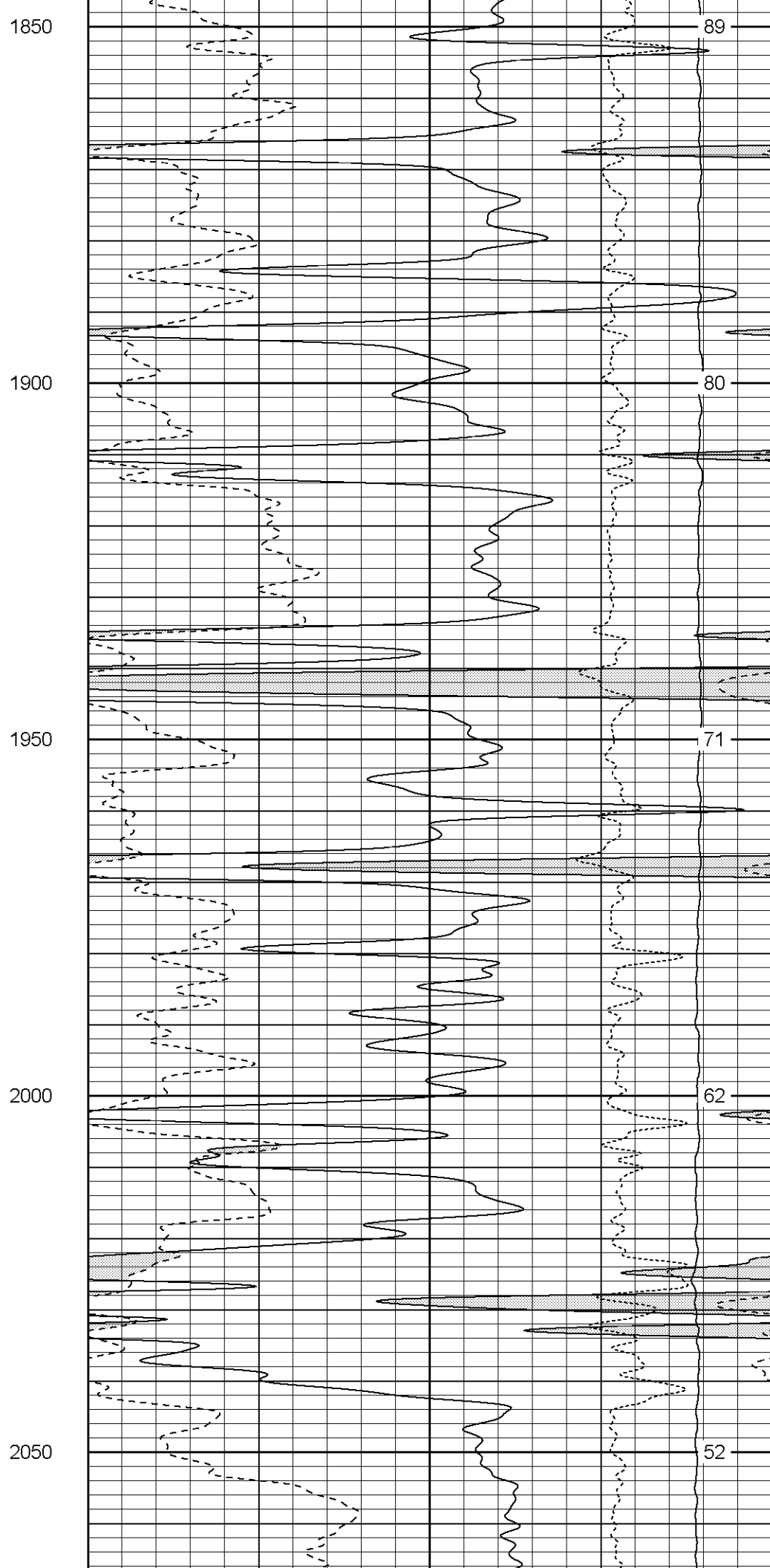
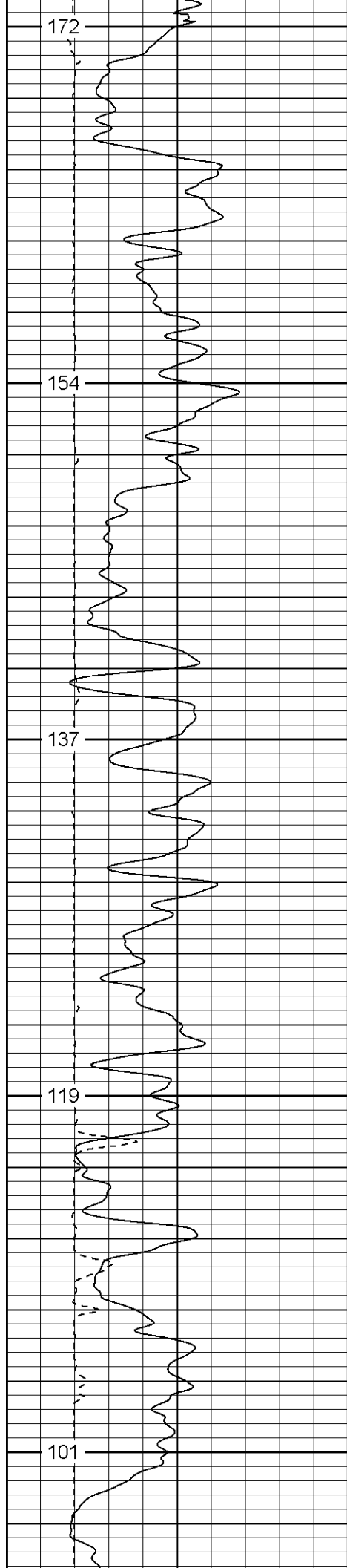


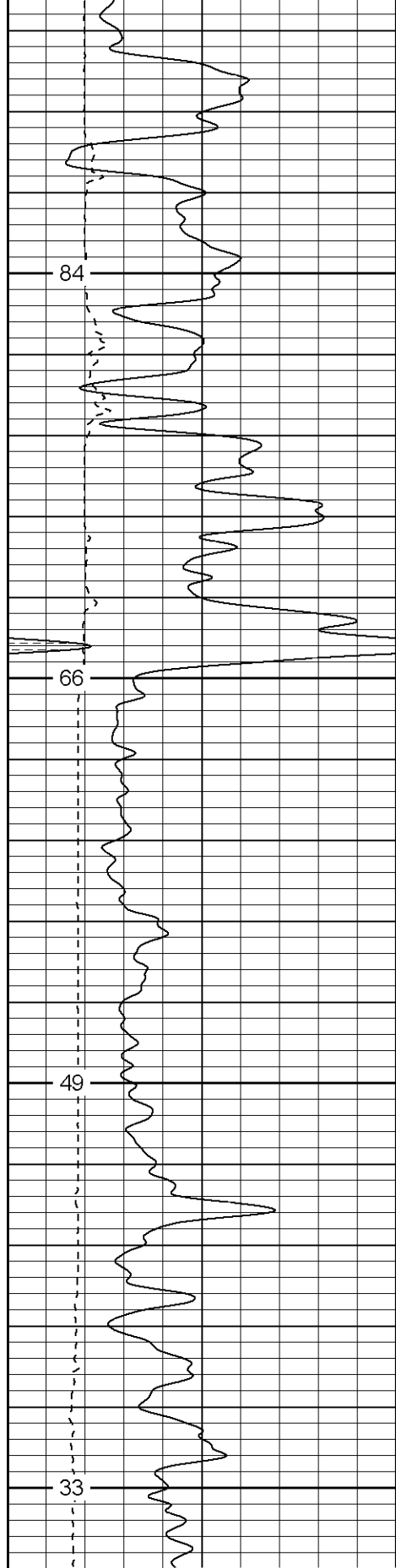










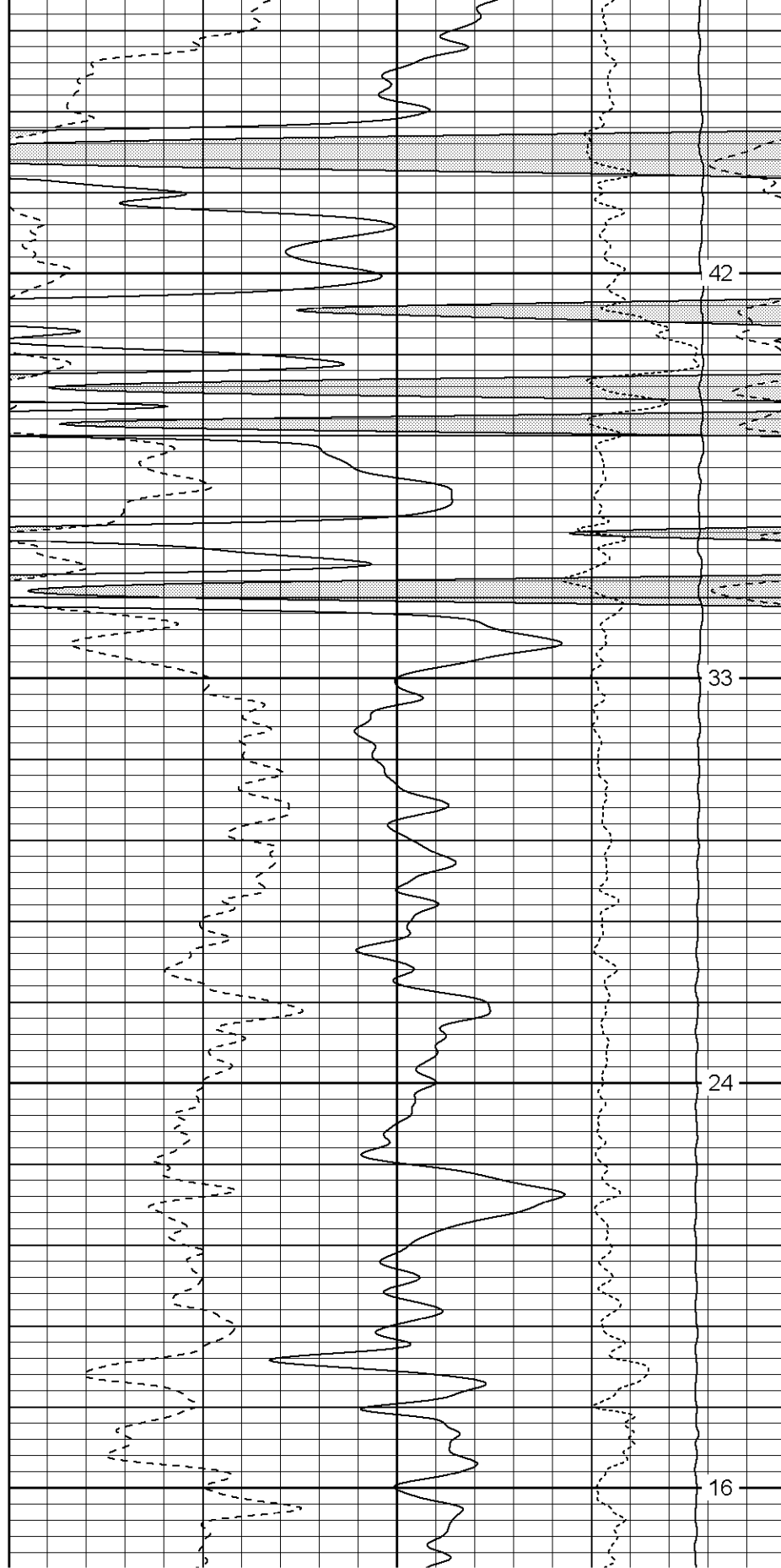


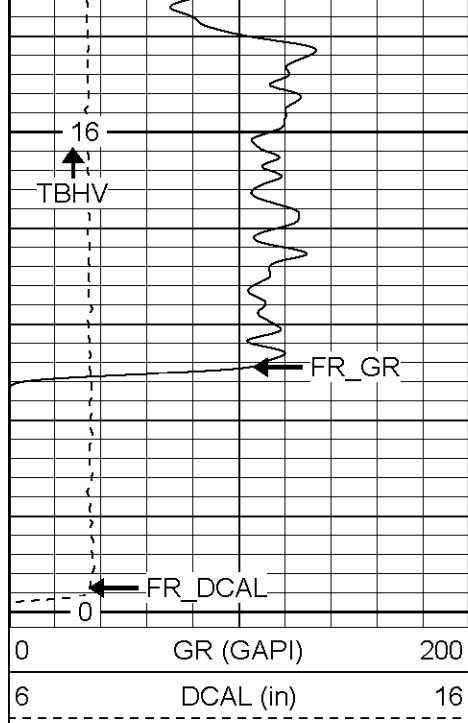
2100

2150

2200

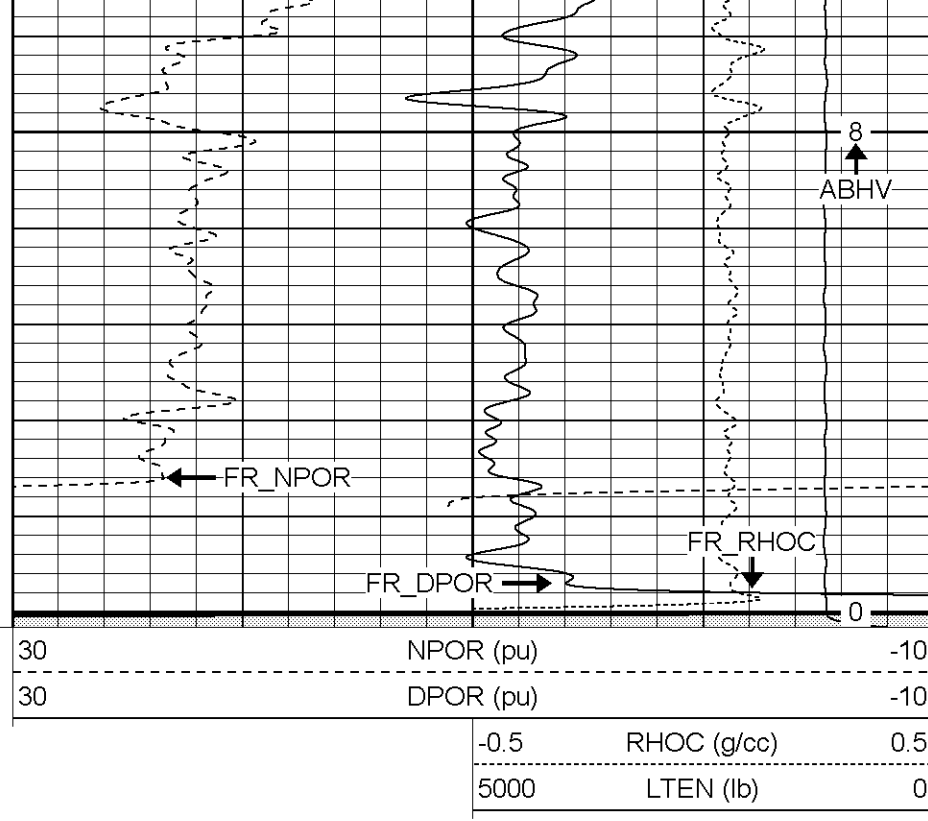
2250





2300

2350



Patterson

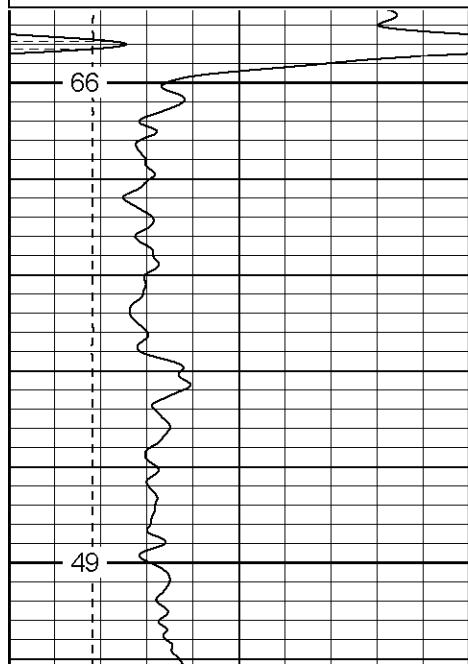
Repeat Section

Database File: xtoge2205x.db
 Dataset Pathname: pass4.1
 Presentation Format: cdnl
 Dataset Creation: Sat Mar 25 18:48:04 2006 by Calc Warrior 7.0 STD Ope
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200
6	DCAL (in)	16

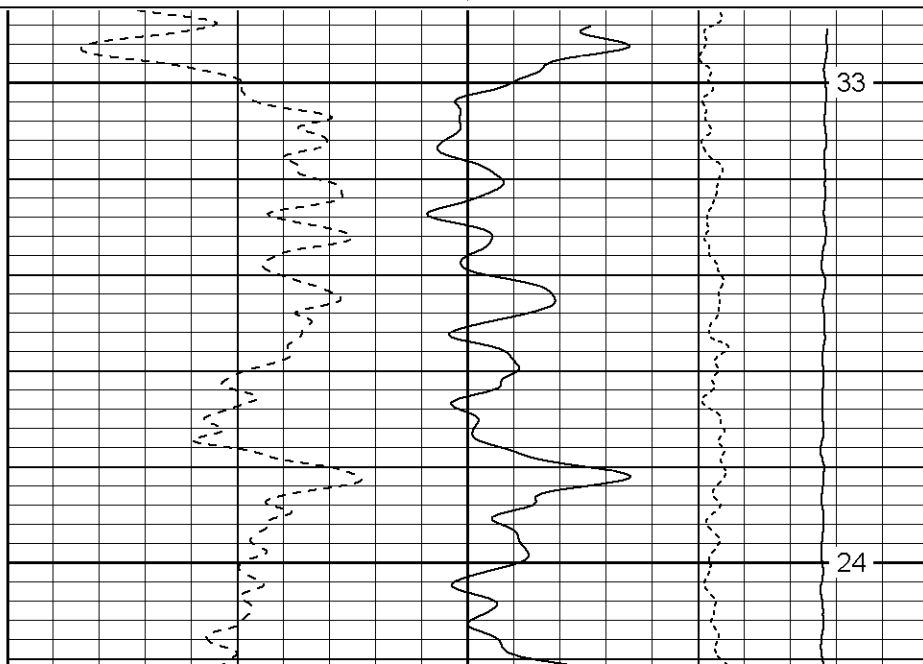
30	NPOR (pu)	-10
30	DPOR (pu)	-10

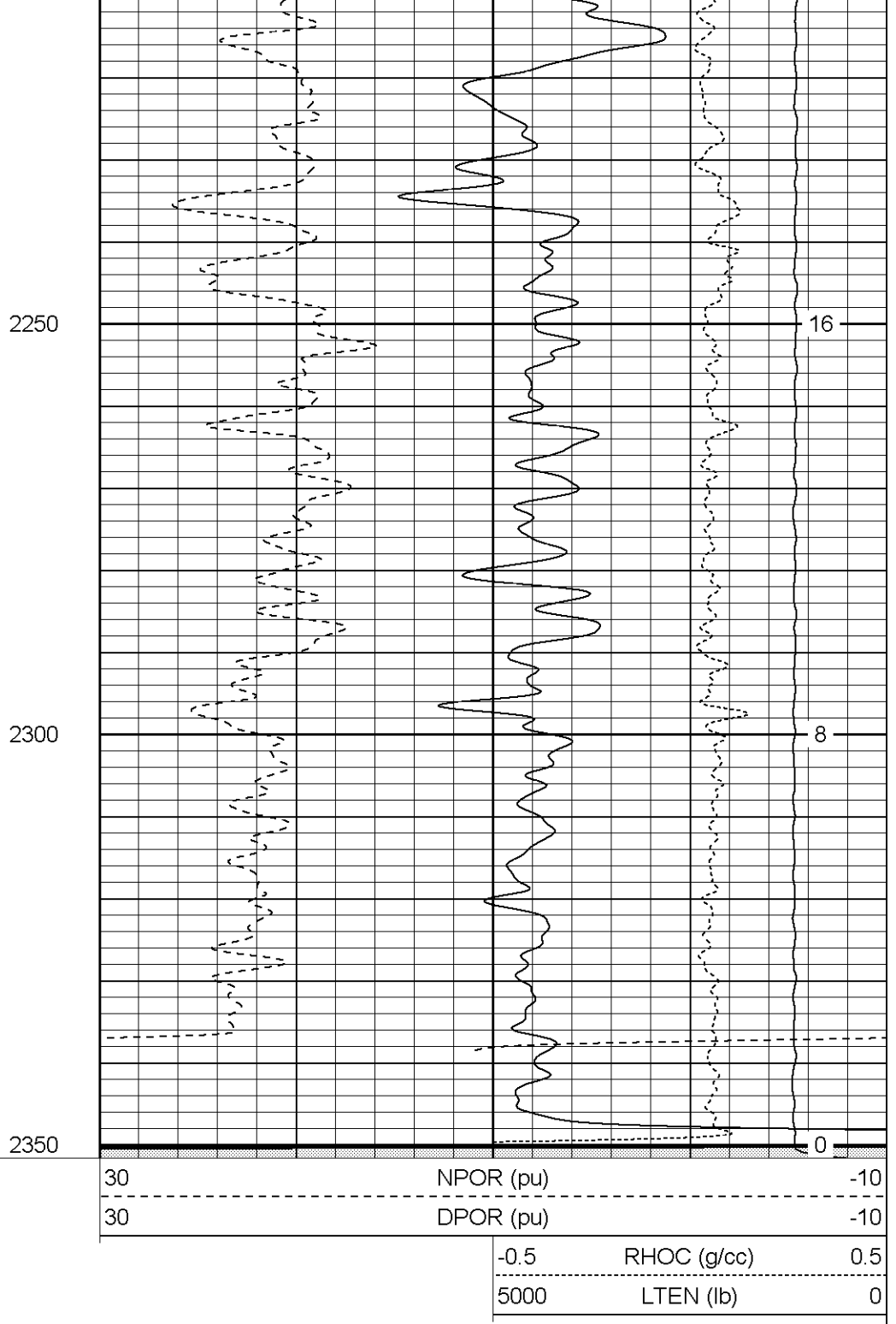
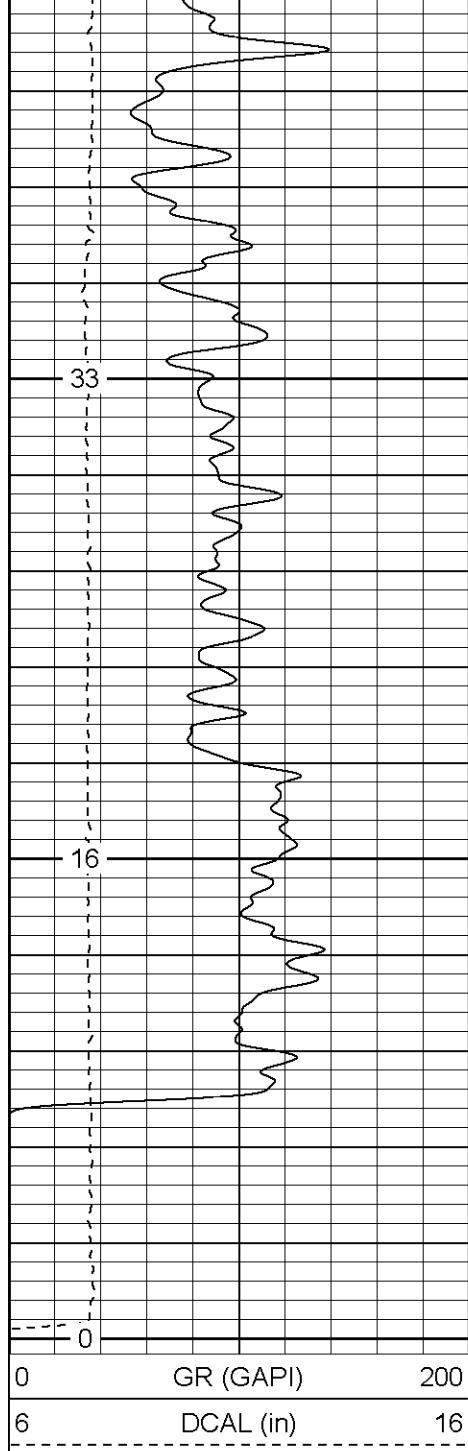
-0.5	RHOC (g/cc)	0.5
5000	LTEN (lb)	0



2150

2200





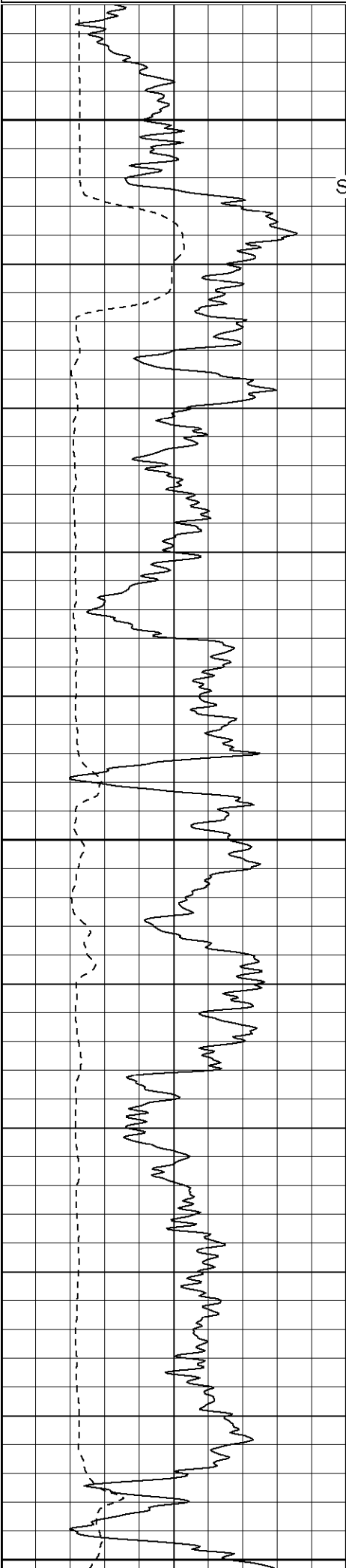
Patterson

High Resolution Pass

Database File: xtoge2205x.db
 Dataset Pathname: pass5.2
 Presentation Format: cdlhr
 Dataset Creation: Mon Mar 27 07:08:55 2006 by Calc Warrior 7.0 STD Ope
 Charted by: Depth in Feet scaled 1:120

0	GR (GAPI)	200
6	DCAL (in)	16

1	RHOB (g/cc)	3
-0.5	RHOC (g/cc)	0.5

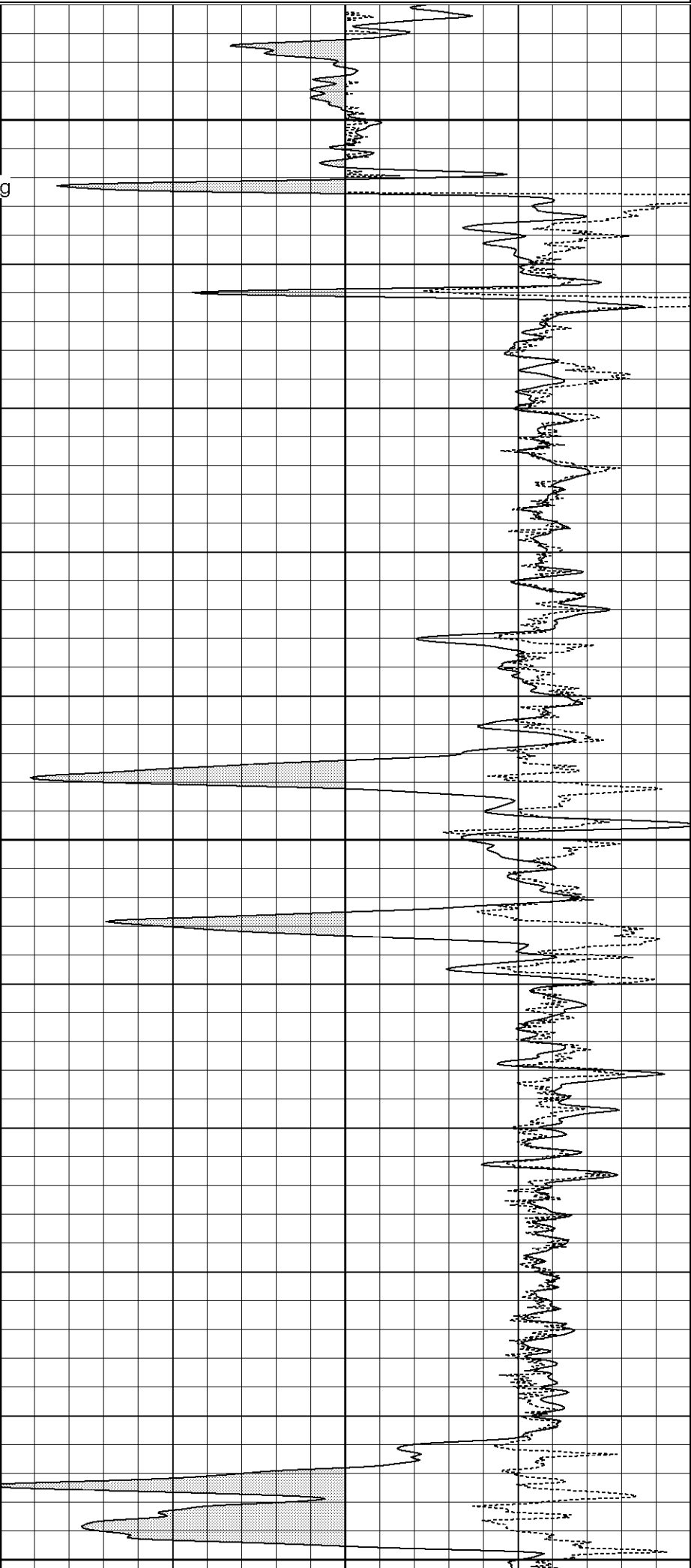


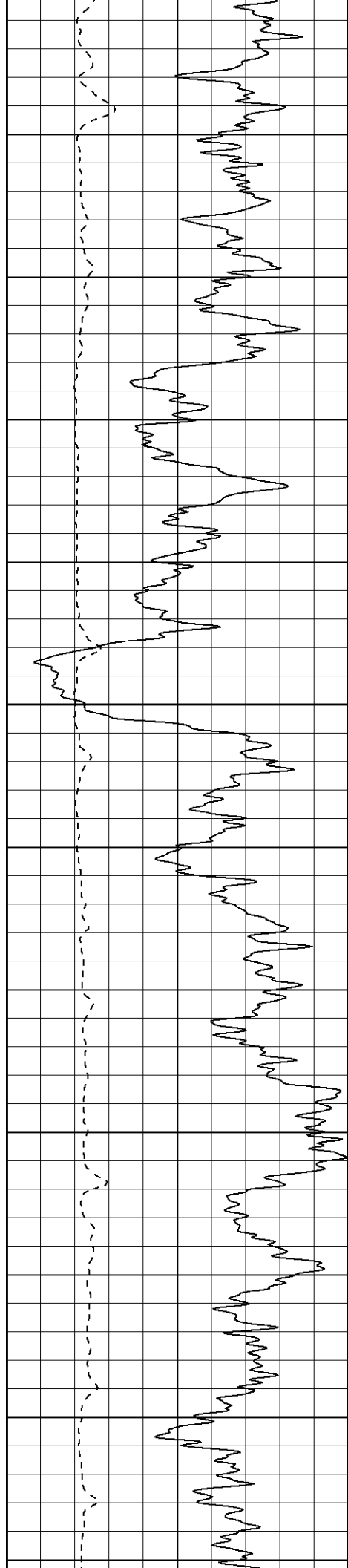
850

Surface Casing

900

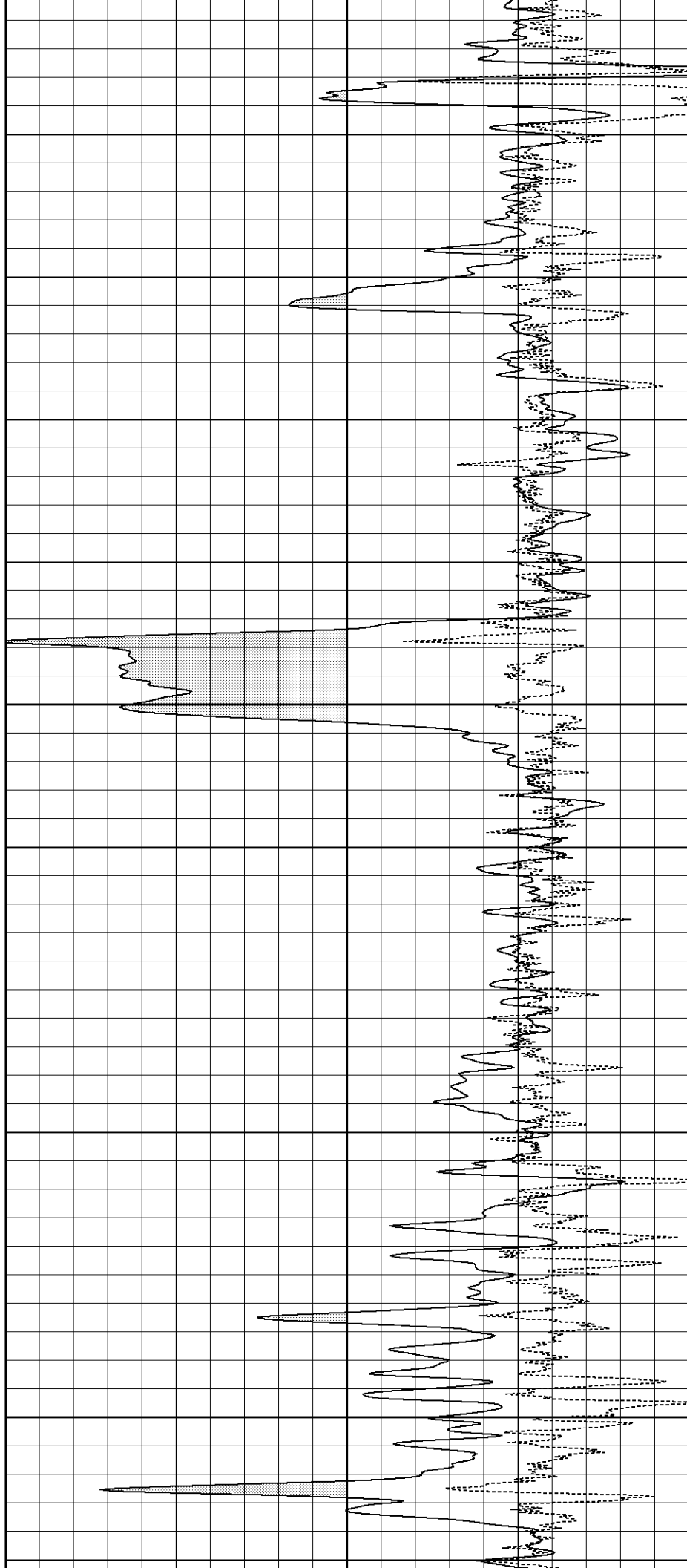
950

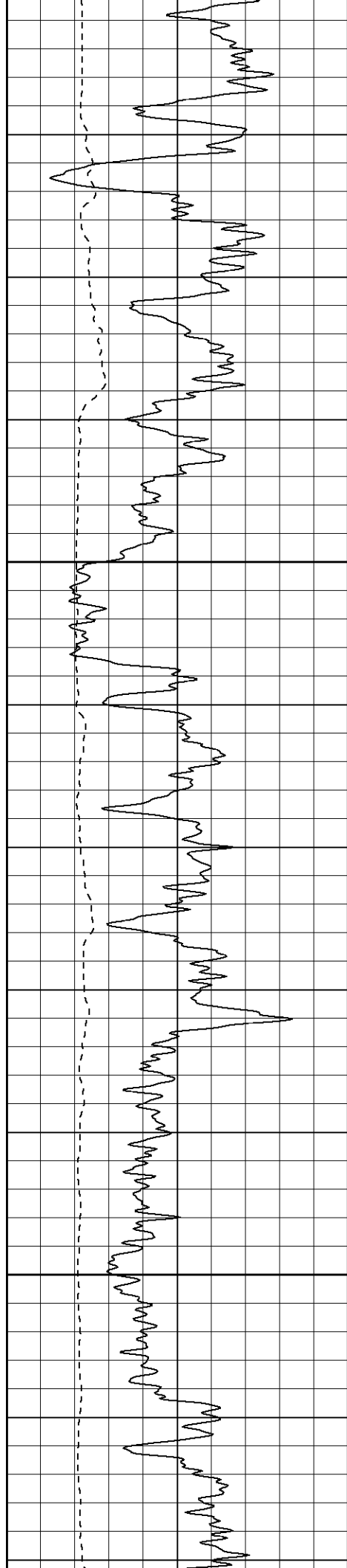




1000

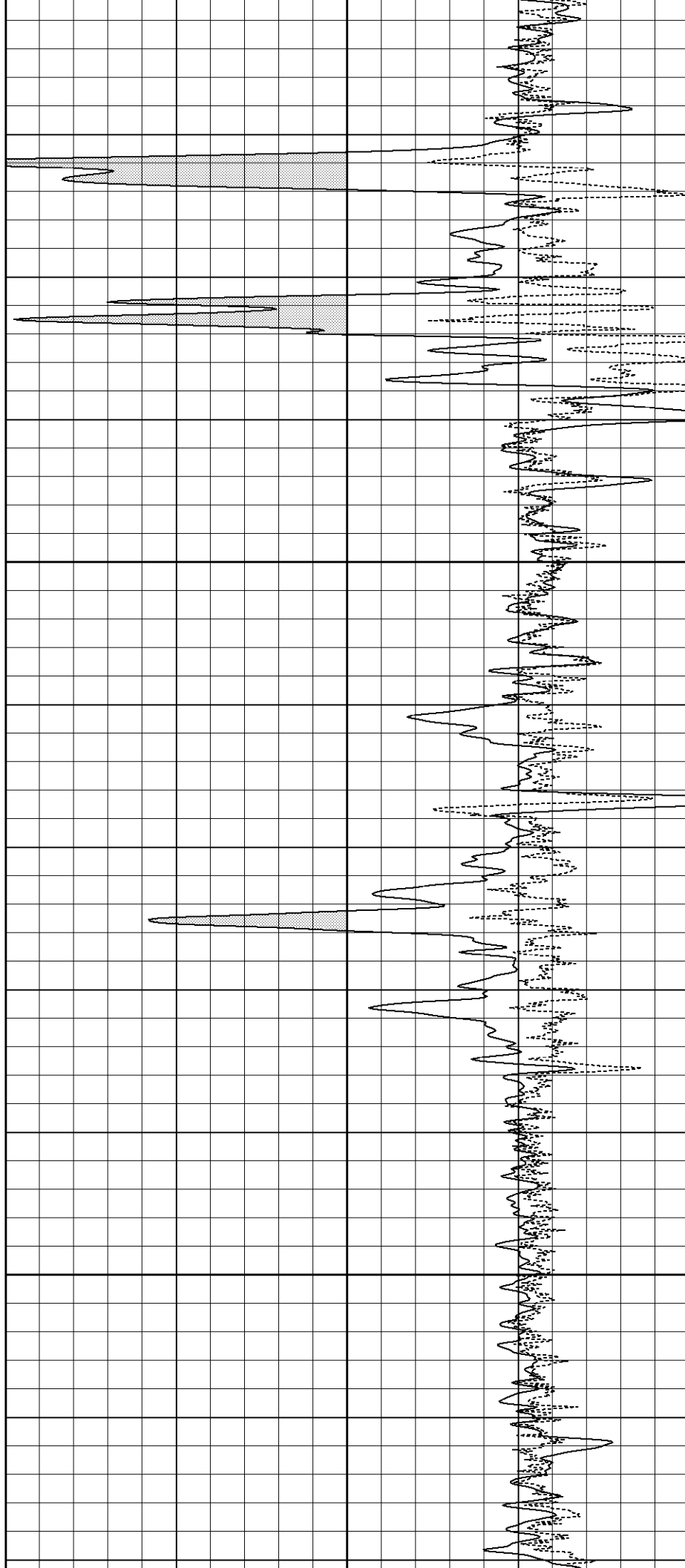
1050

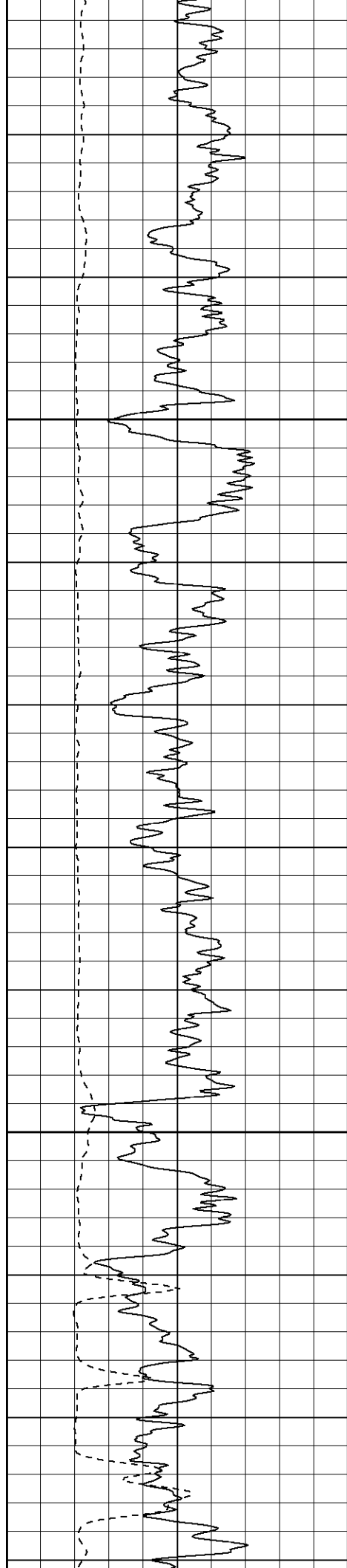




1100

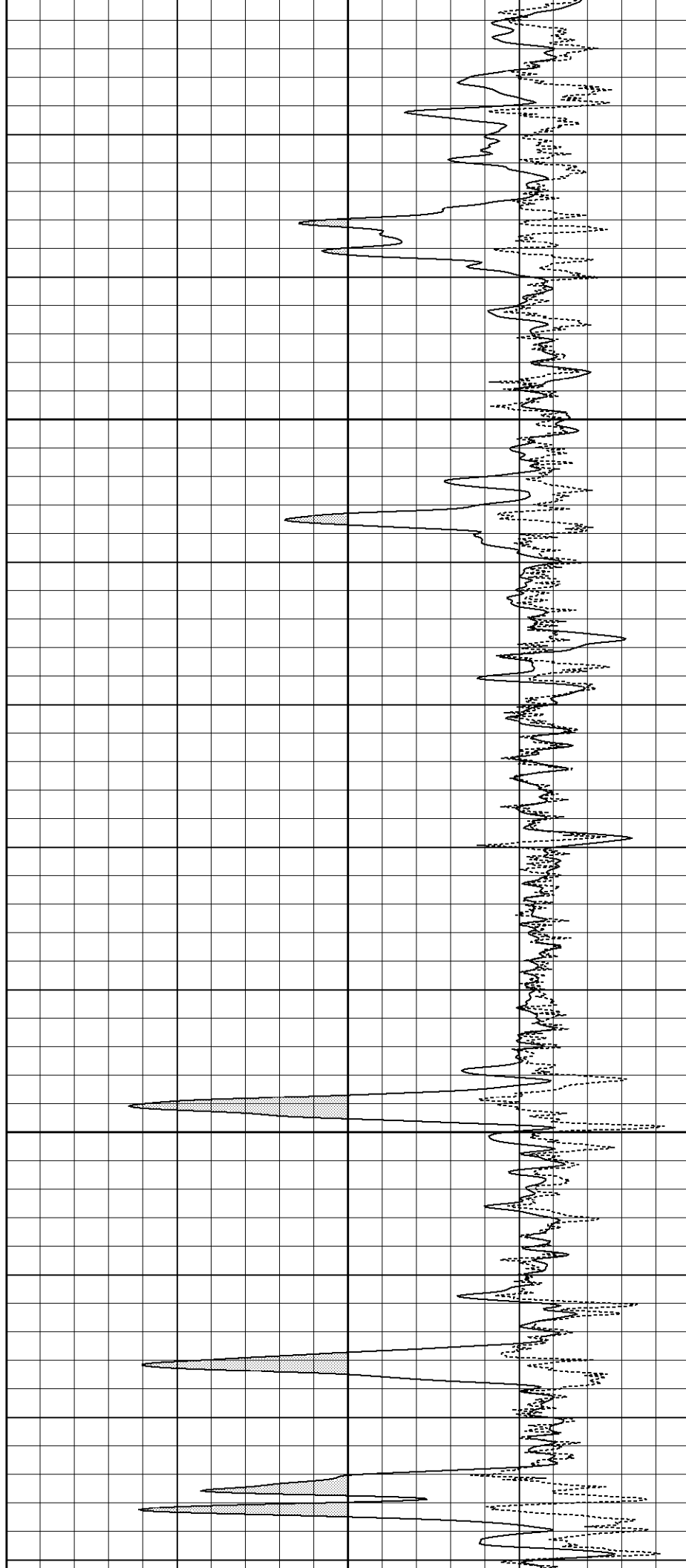
1150

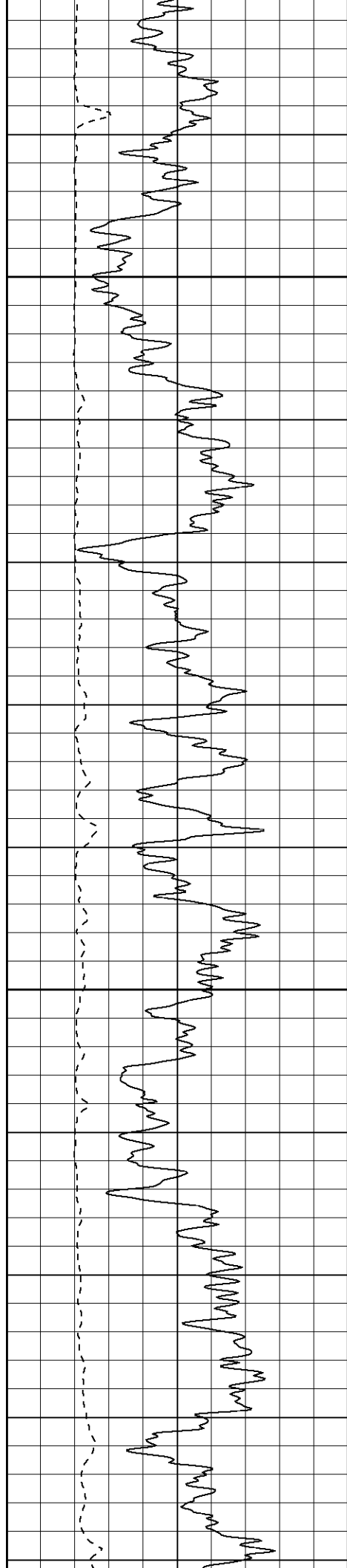




1200

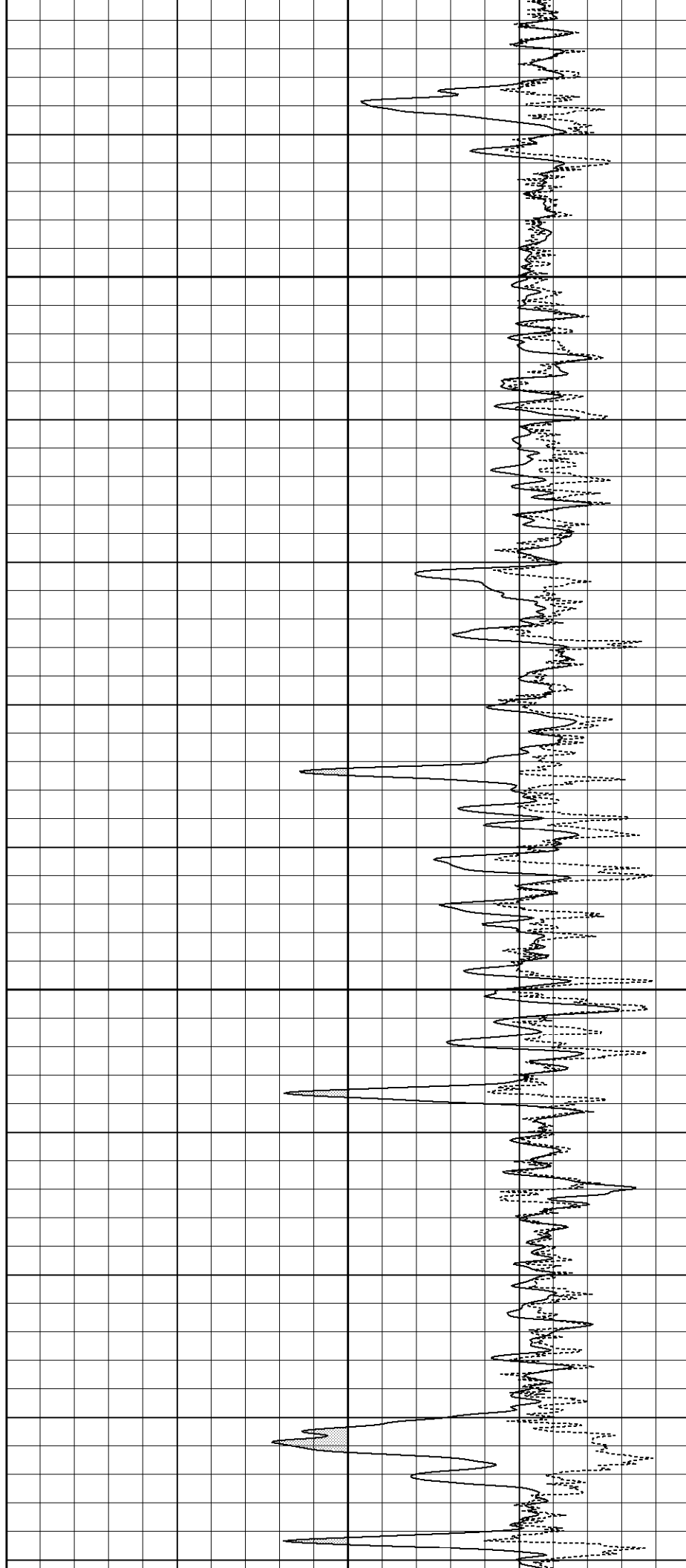
1250

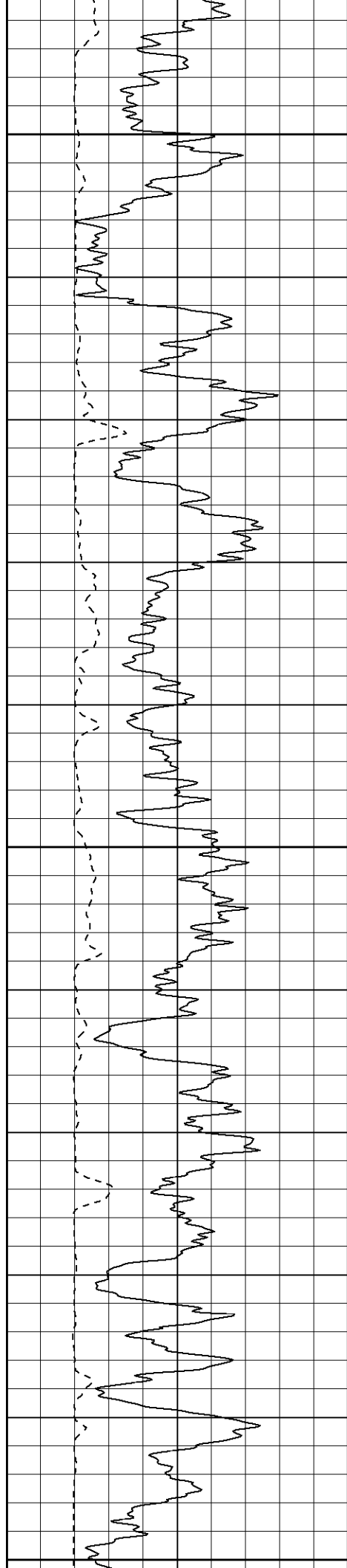




1300

1350

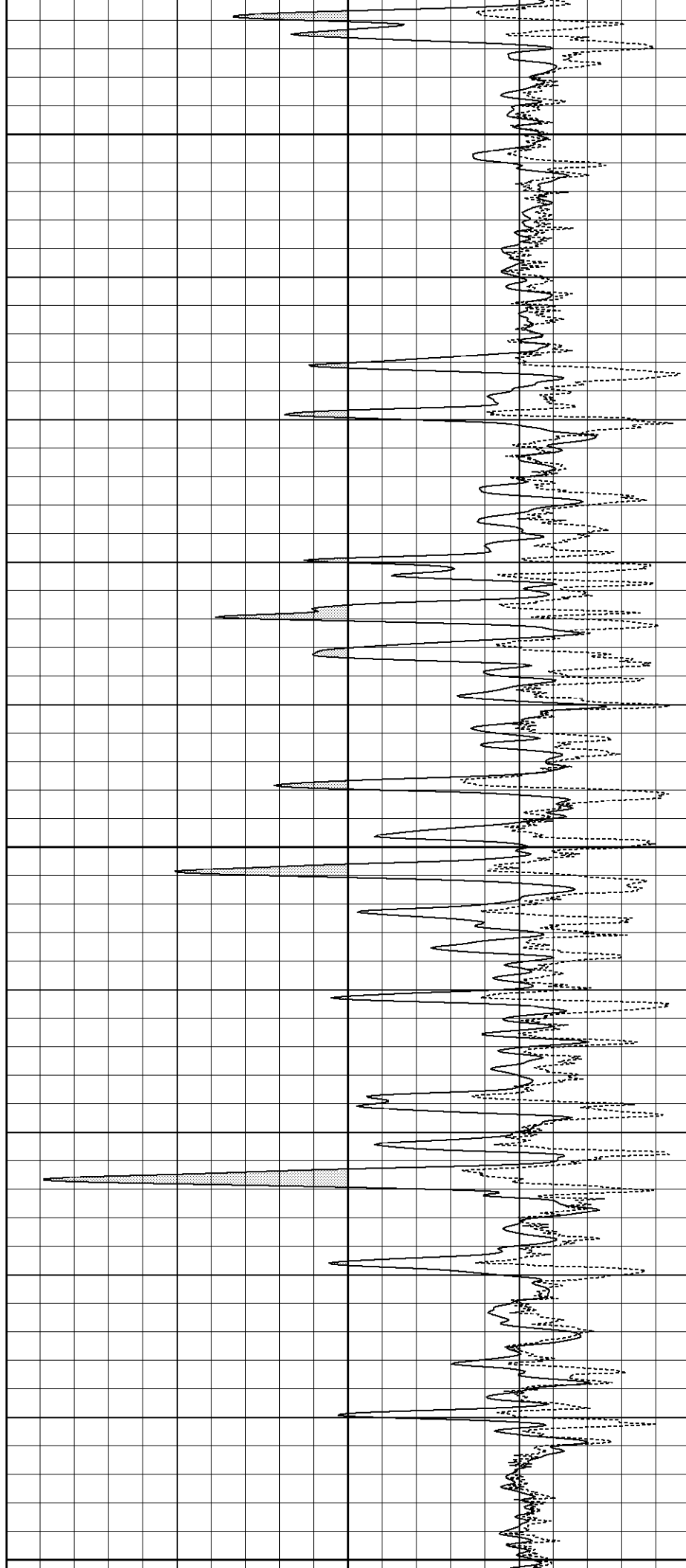


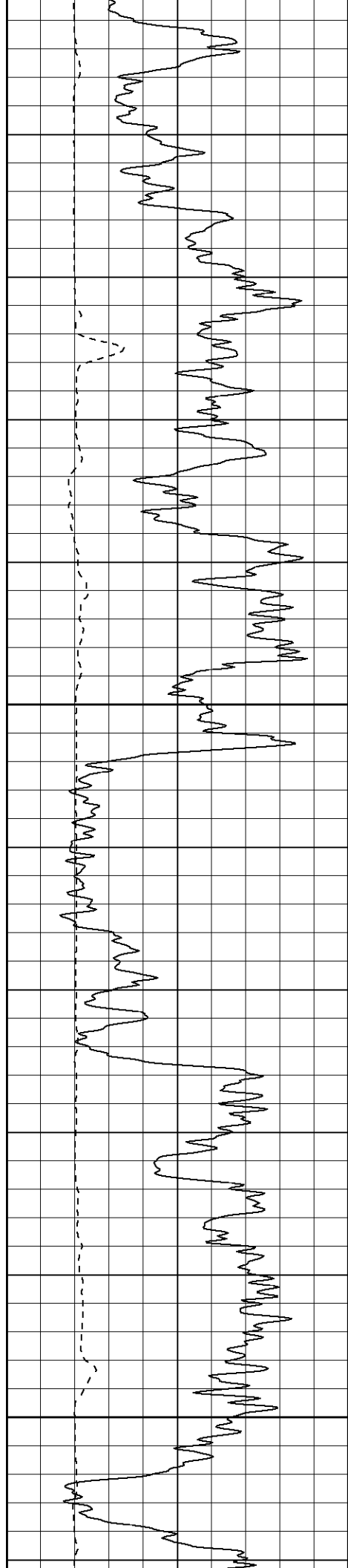


1400

1450

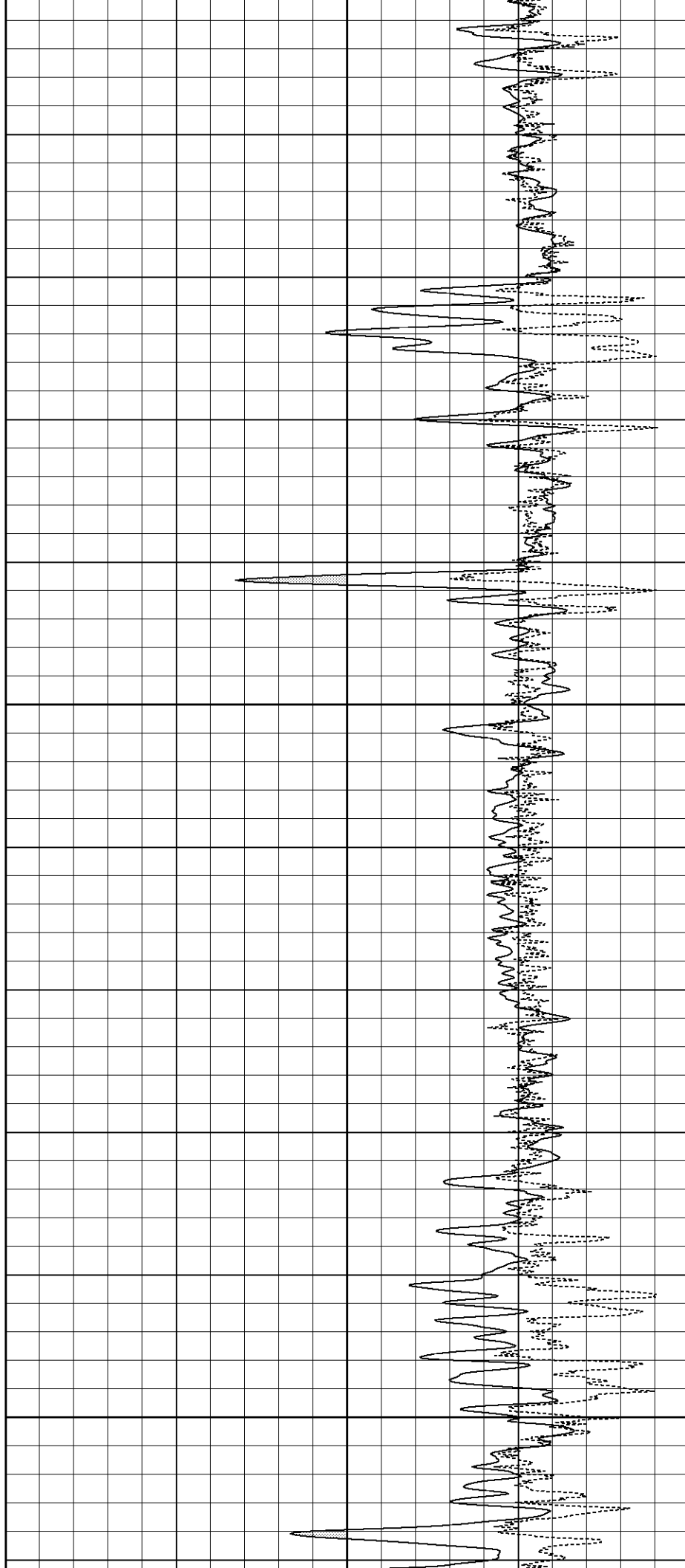
1500

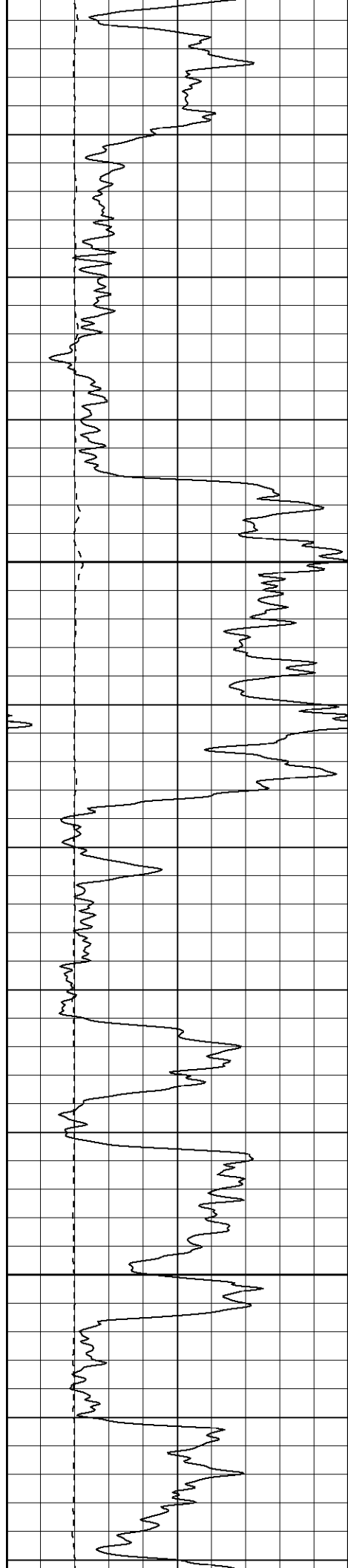




1550

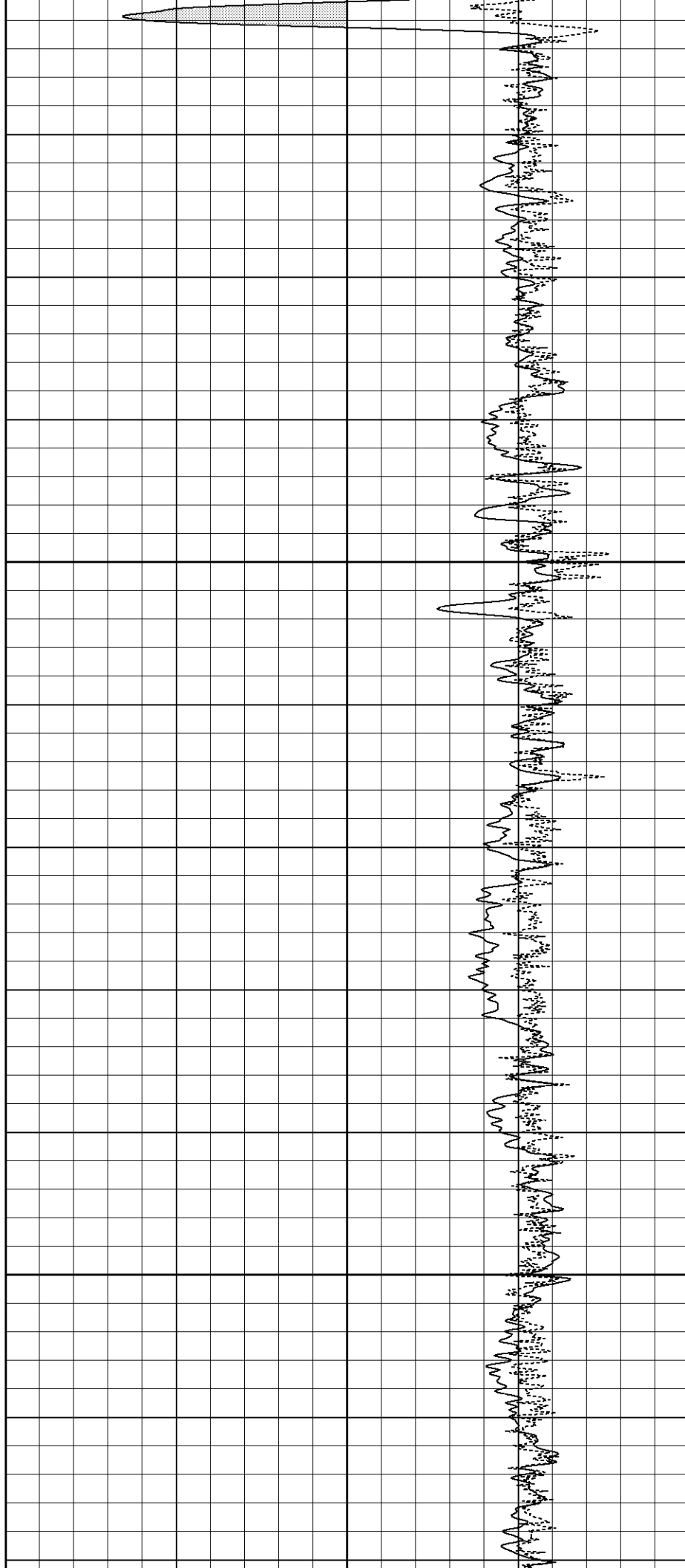
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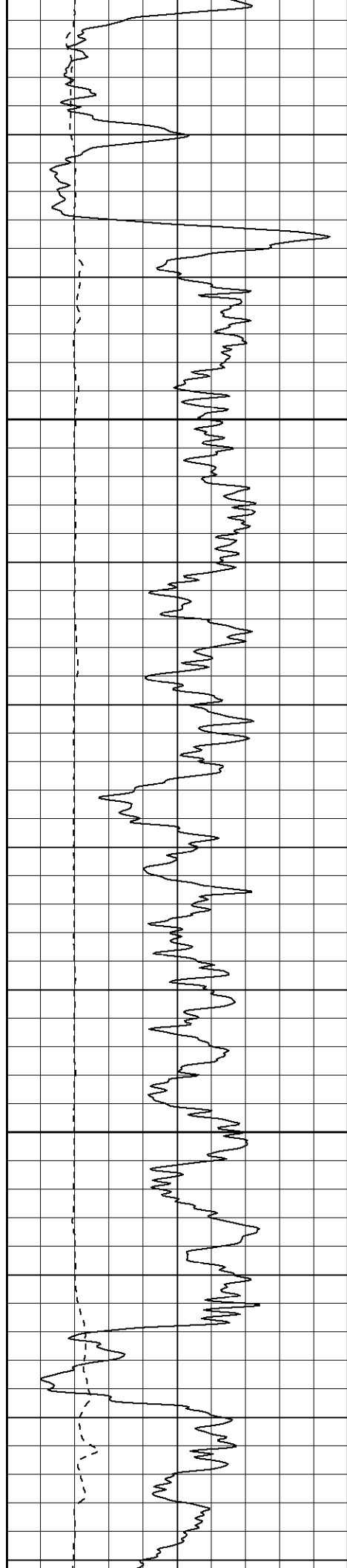




1650

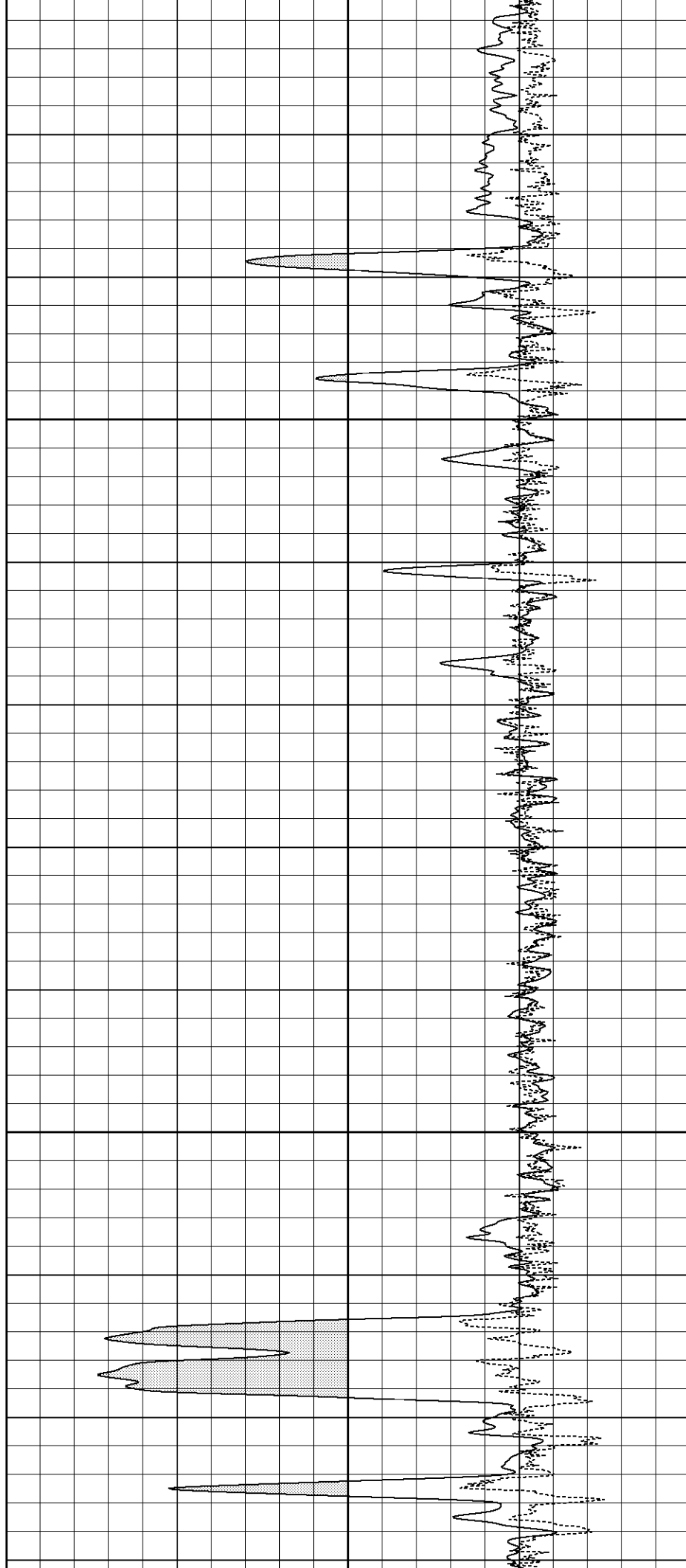
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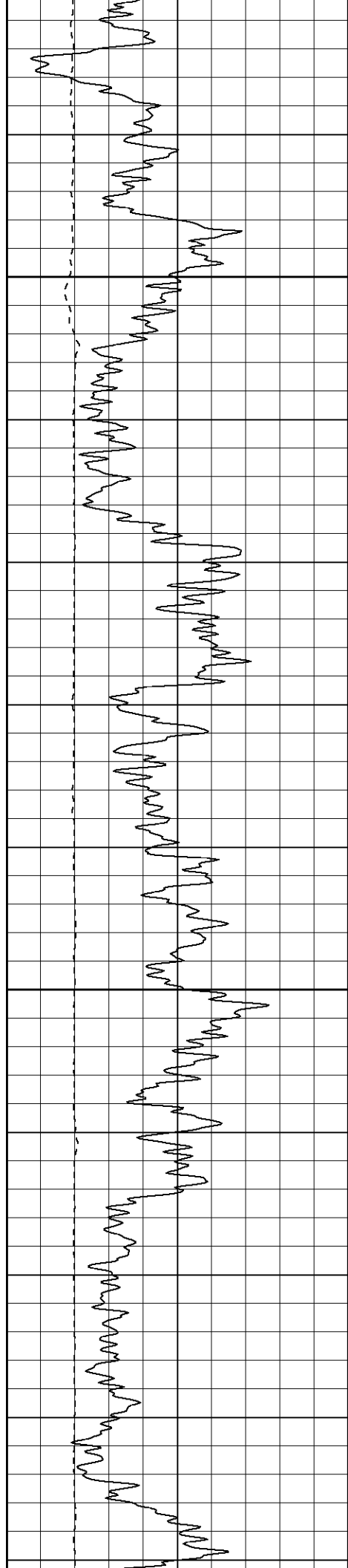




1750

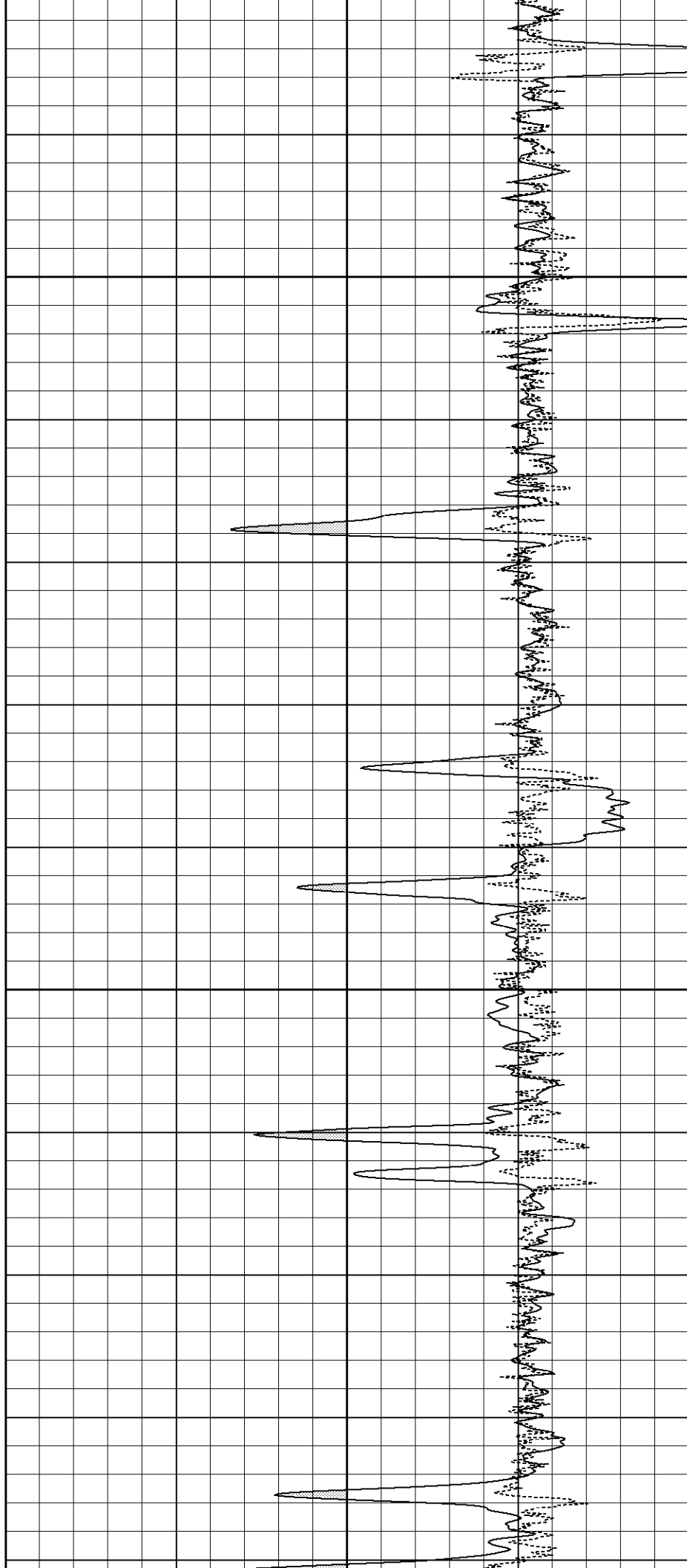
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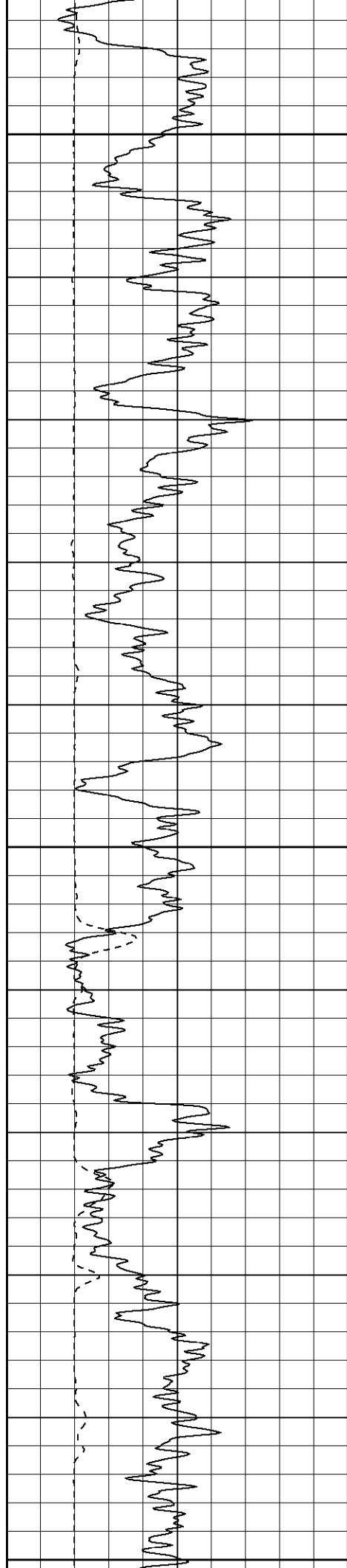




1850

1900

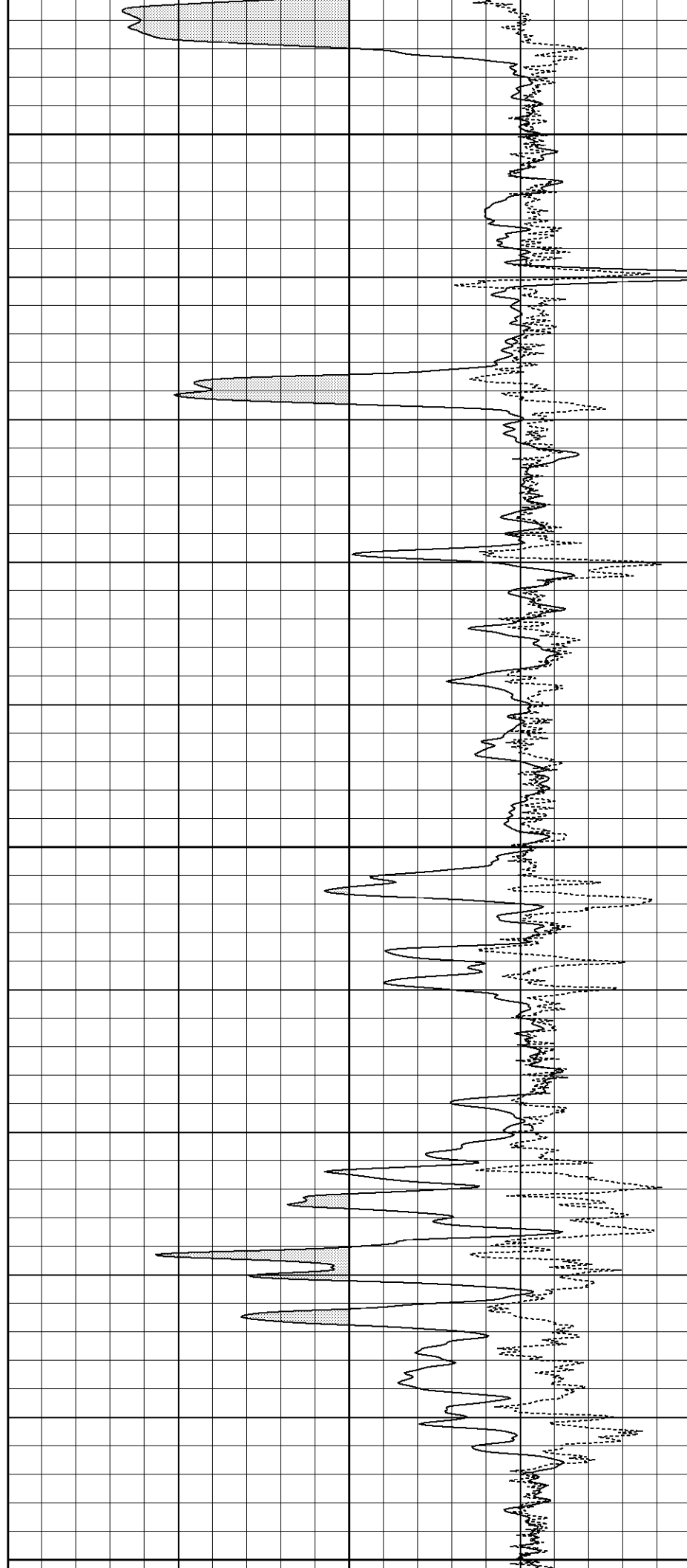


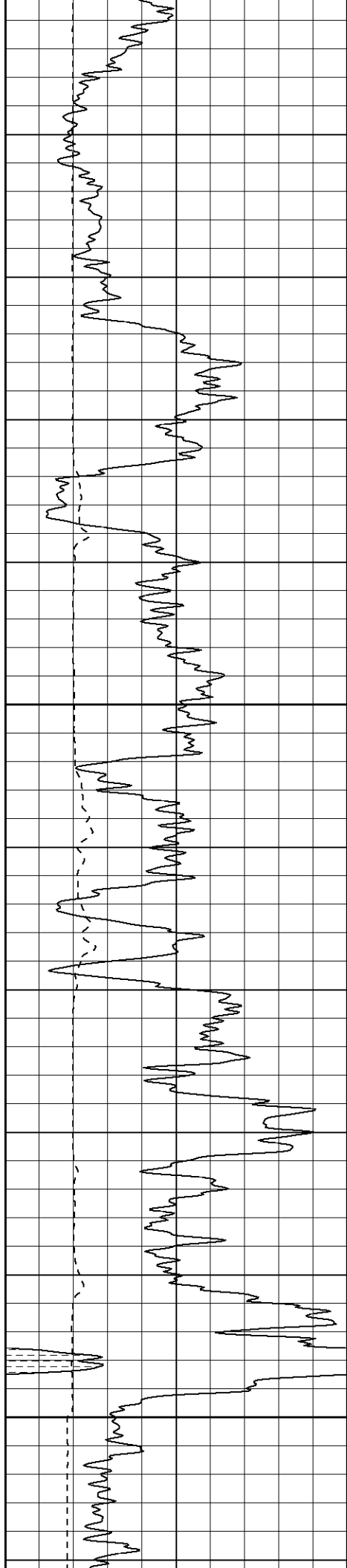


1950

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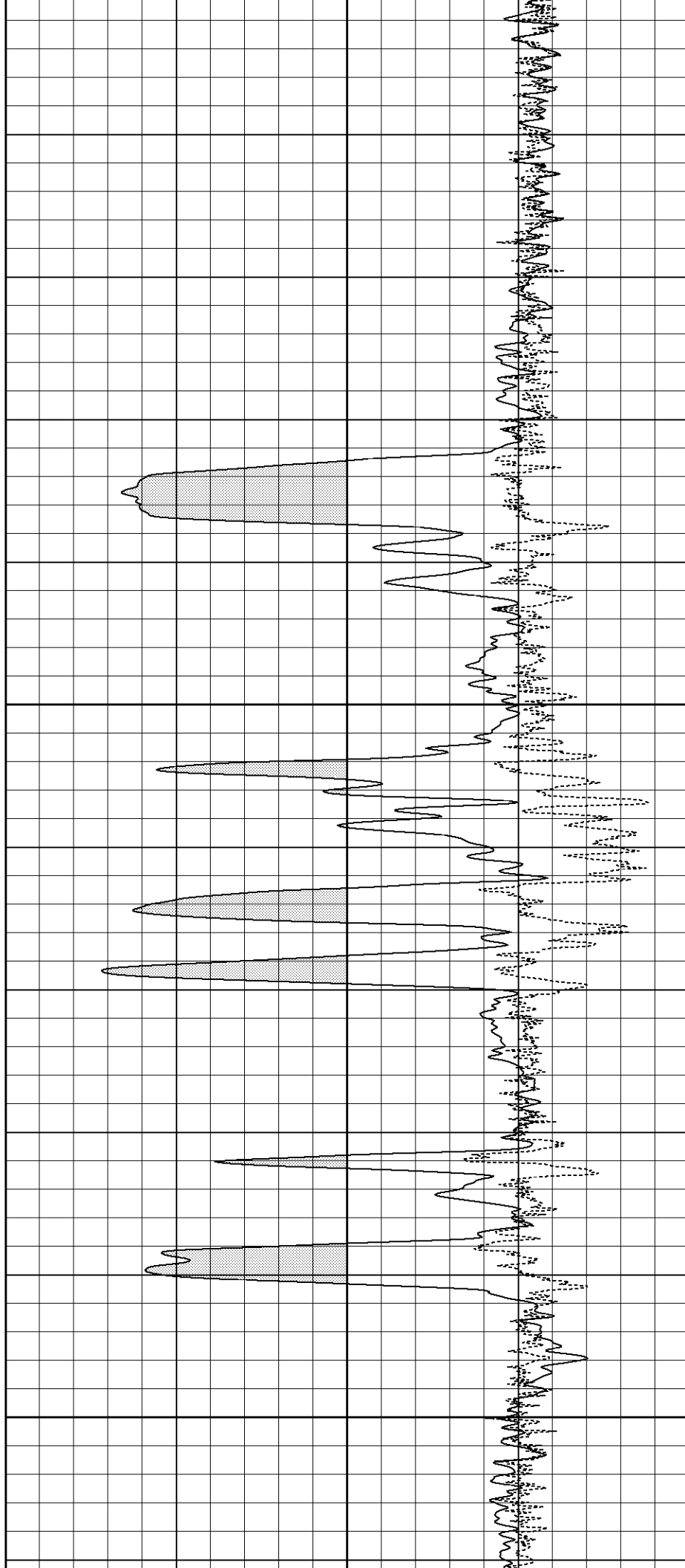
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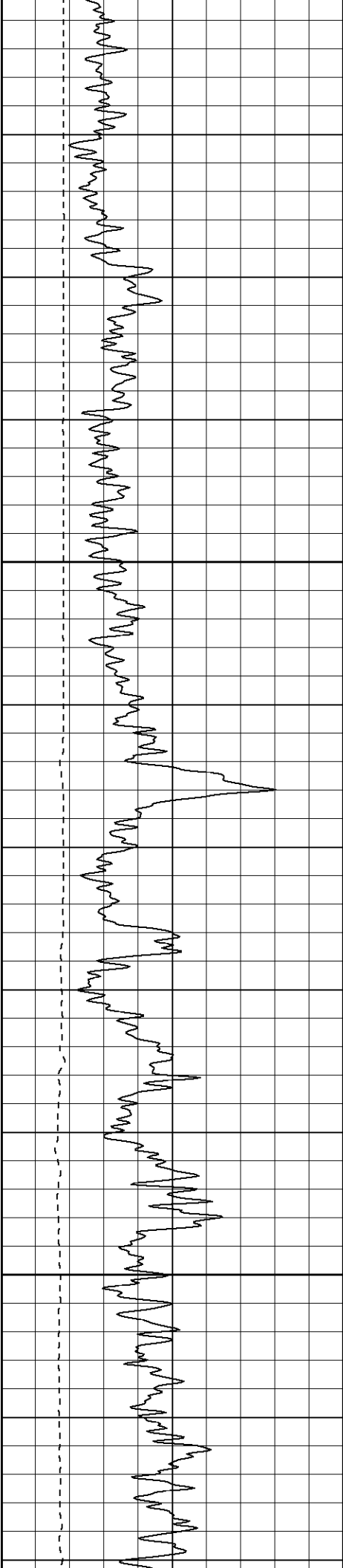




2100

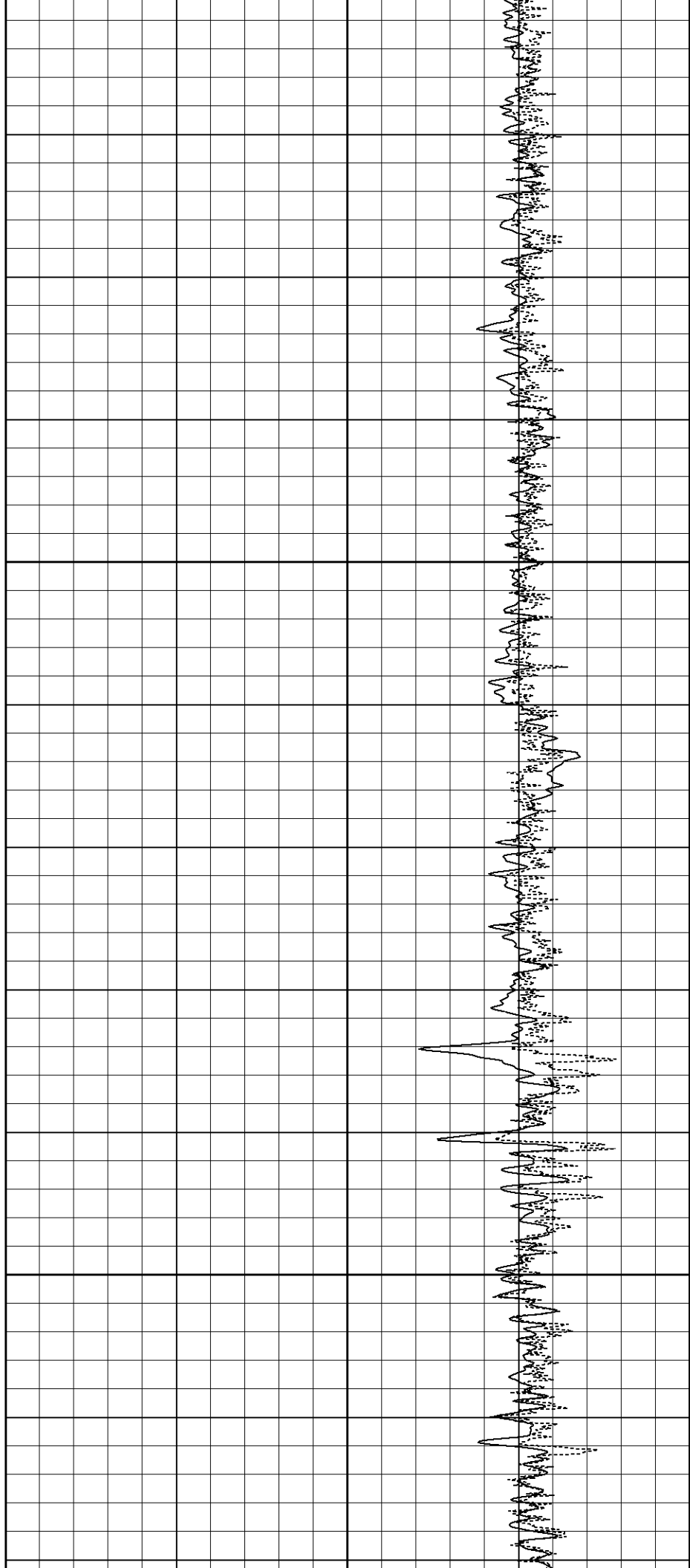
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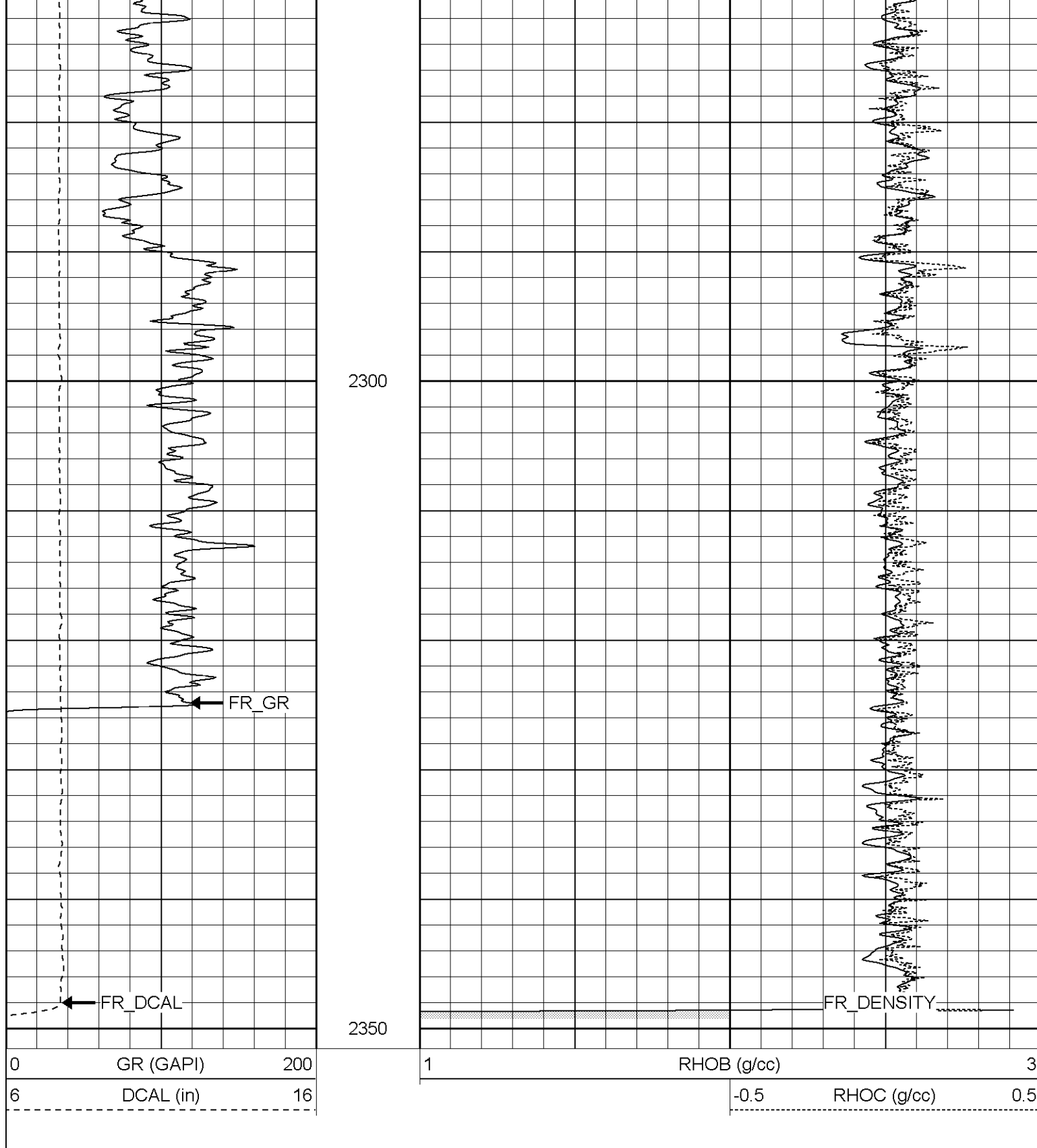




2200

2250





Compensated Density Calibration Report

Serial-Model: 2487-G
Source / Verifier: csv-n20 / blks
Master Calibration Performed: Mon Mar 06 10:06:48 2006

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710 g/cc		729.92	384.20	cps

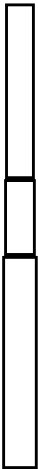
Aluminum	2.590	g/cc	167.06	264.69	cps
Spine Angle = 75.82			Density/Spine Ratio = 0.579		
	Size		Reading		
Small Ring	7.85	in	1.93	V	
Large Ring	14.00	in	5.27	V	

Gamma Ray Calibration Report

Serial Number:	2487OH	
Tool Model:	D	
Performed:	Sun Jan 29 15:39:20 2006	
Calibrator Value:	170.0	GAPI
Background Reading:	42.6	cps
Calibrator Reading:	139.0	cps
Sensitivity:	1.6000	GAPI/cps

Neutron Calibration Report

Serial Number:	5138	
Tool Model:	G	
Performed:	Mon Feb 13 15:26:50 2006	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	14.12		NEU-G (5138) Gearhart Epithermal	5.75	3.50	85.00
GR	8.92		GR-D (2487OH) Gearhart	2.50	3.63	74.00
LSD	2.83		CDL-G (2487) Gearhart	6.92	4.00	201.00
DCAL	2.50					
SSD	2.25					

Dataset:	/field/well/run1/_plots/_jobs_/cdl
Total Length:	15.17 ft
Total Weight:	360.00 lb
O.D.	4.00 in