

Patterson

**COMPENSATED DENSITY
NEUTRON
LOG**

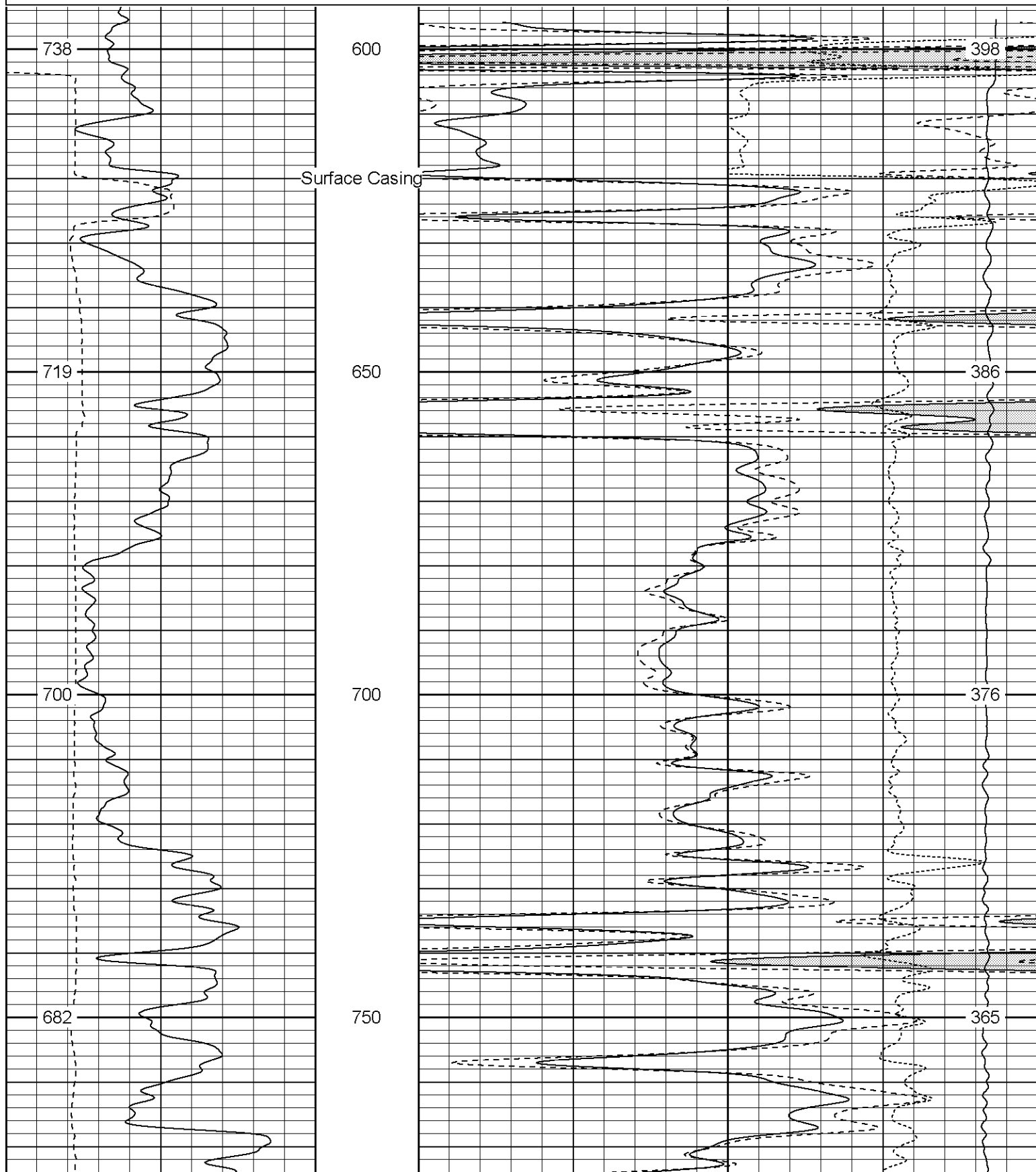
Company XTO Energy, Inc.		Company XTO Energy, Inc.	
Well Apache Canyon 06-02		Well Apache Canyon 06-02	
Field Purgatoire River		Field Purgatoire River	
County Las Animas		County Las Animas	
State CO		State CO	
Location:		API # : 05 071 08789 00	Other Services
SEC 06 TWP 34S RGE 67W		438' FNL & 2516' FEL	DIL
Permanent Datum	Ground Level	Elevation	Elevation
Log Measured From	Ground Level		K.B. -----
Drilling Measured From	Ground Level		D.F. -----
			G.L. 8149'
Date	7-23-06		
Run Number	Two		
Depth Driller	2665'		
Depth Logger	2668'		
Bottom Logged Interval	2666'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 618'		
Casing Logger	620'		
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 A.M.		
Time Logger on Bottom	4:45 A.M.		
Maximum Recorded Temperature	114 DEG F		
Equipment Number	T720		
Location	Trinidad		
Recorded By	M. Norton		
Witnessed By	Mr. Don Johnson		

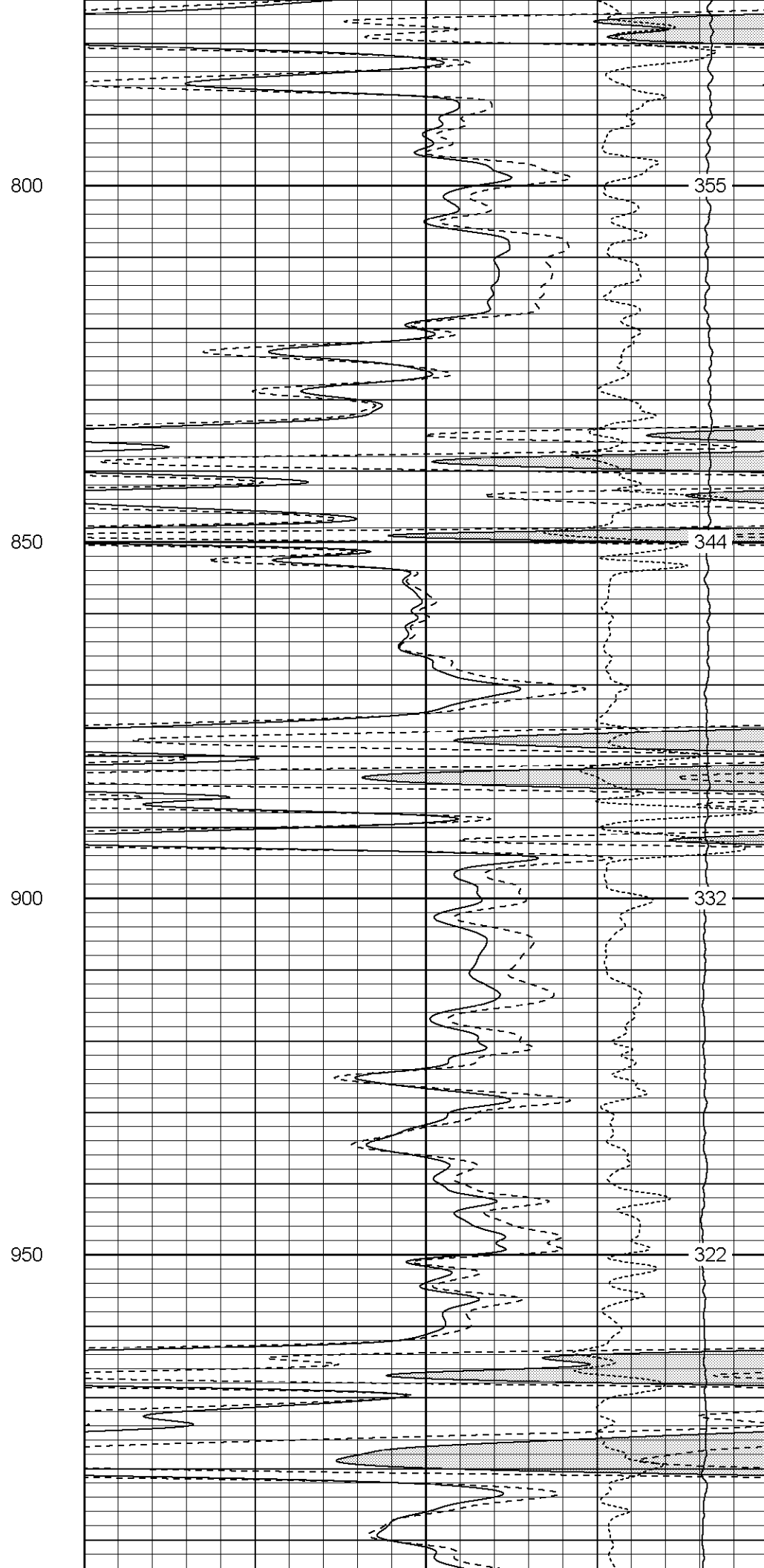
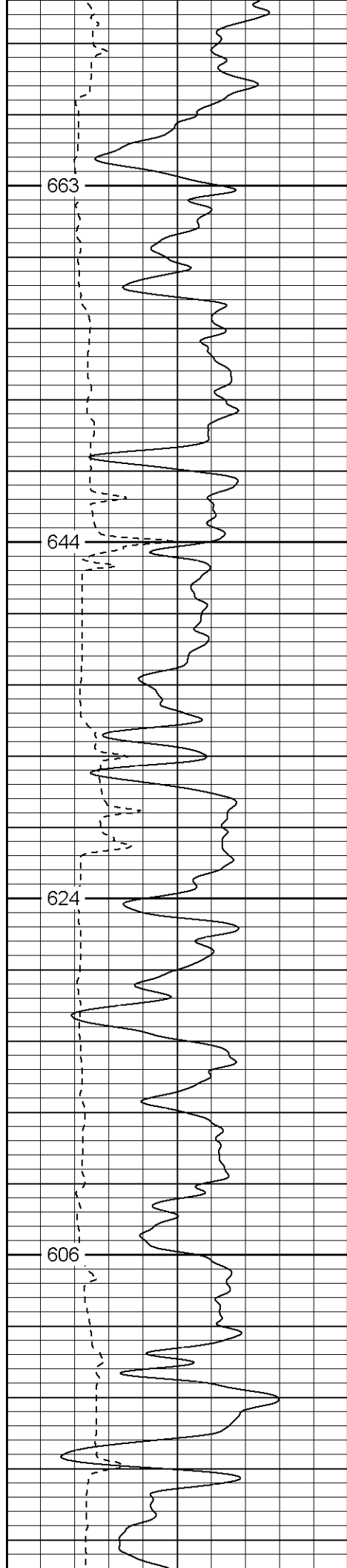
<<< Fold Here >>>

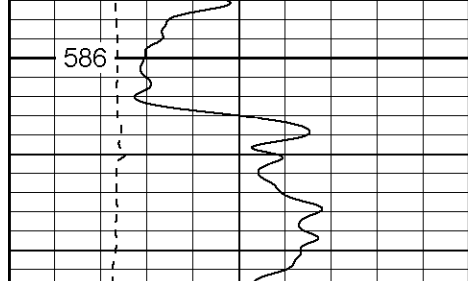
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Database File: xtoac0602.db
Dataset Pathname: pass4.1
Presentation Format: cdl
Dataset Creation: Sun Jul 23 06:21:04 2006 by Calc Warrior 7.0 STD Ope
Charted by: Depth in Feet scaled 1:240

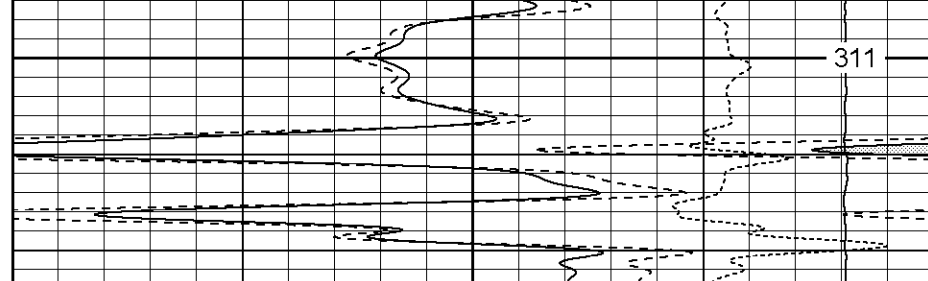
0	GR (GAPI)	200	1	RHOB (g/cc)	2
6	DCAL (in)	16	30	DPOR (pu)	-10
			-0.5 RHOC (g/cc) 0.5		
			4000 LTEN (lb) 0		

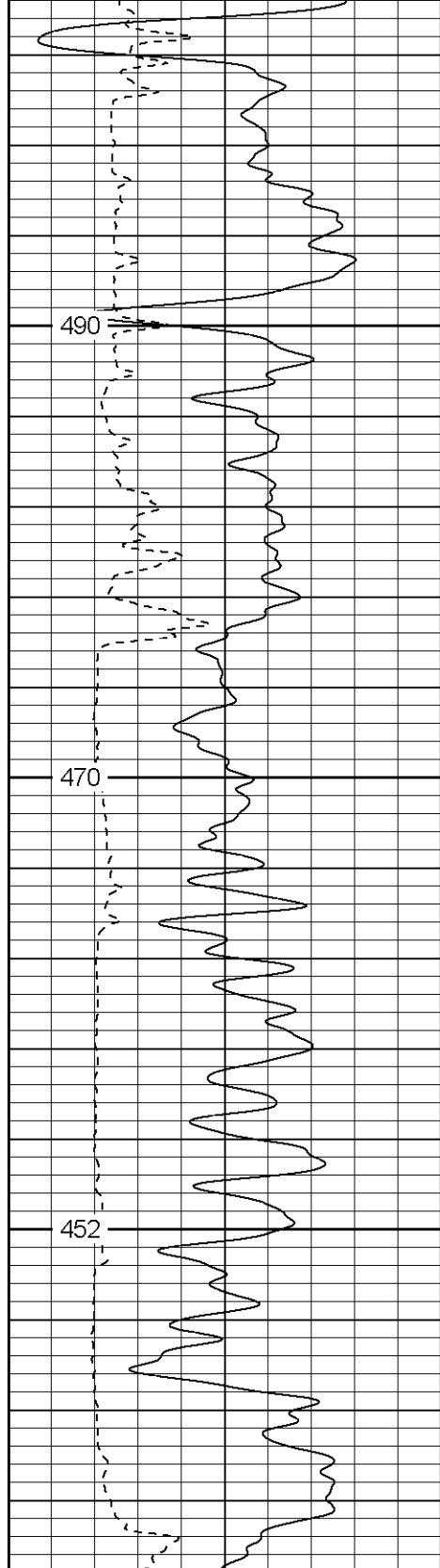






1000

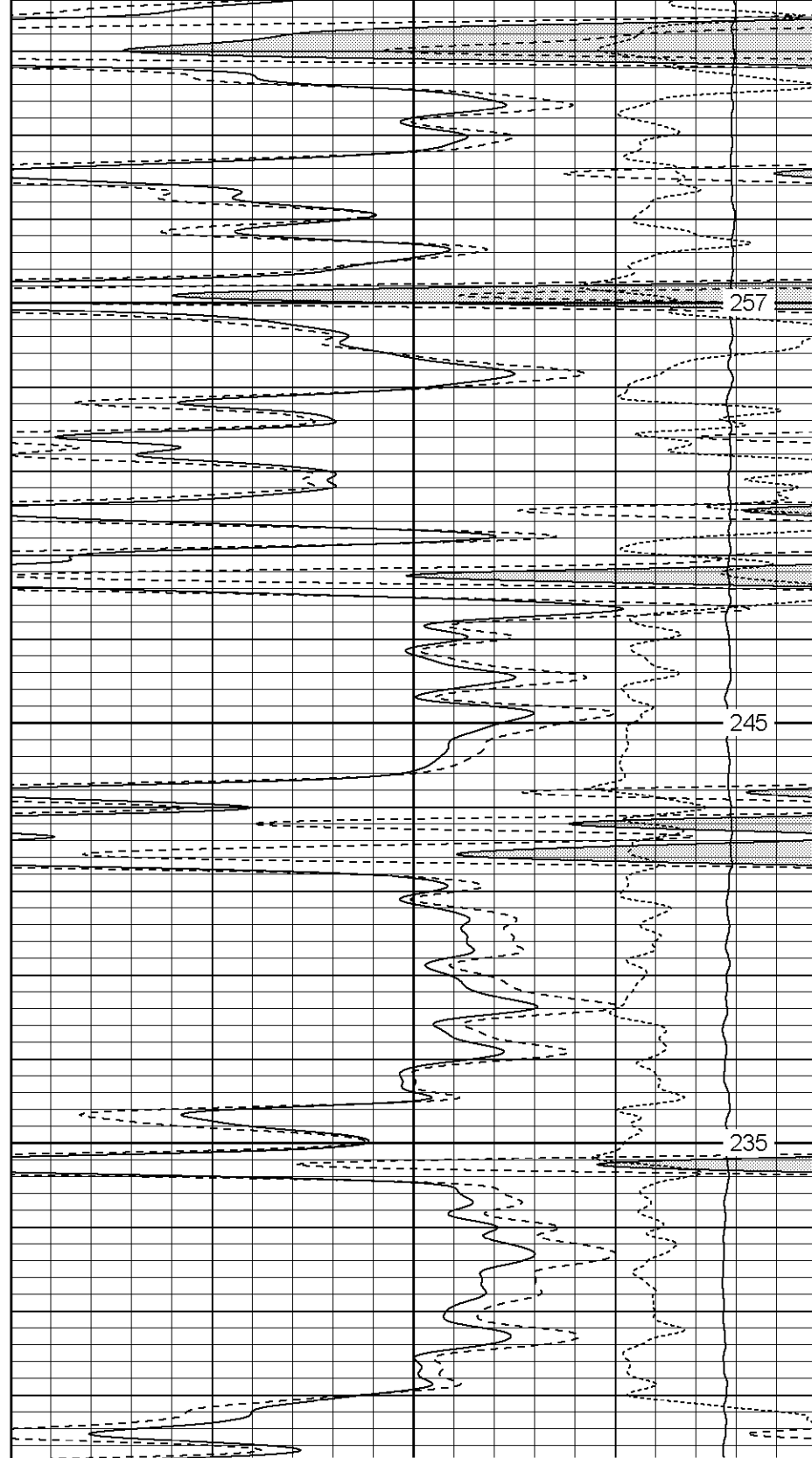


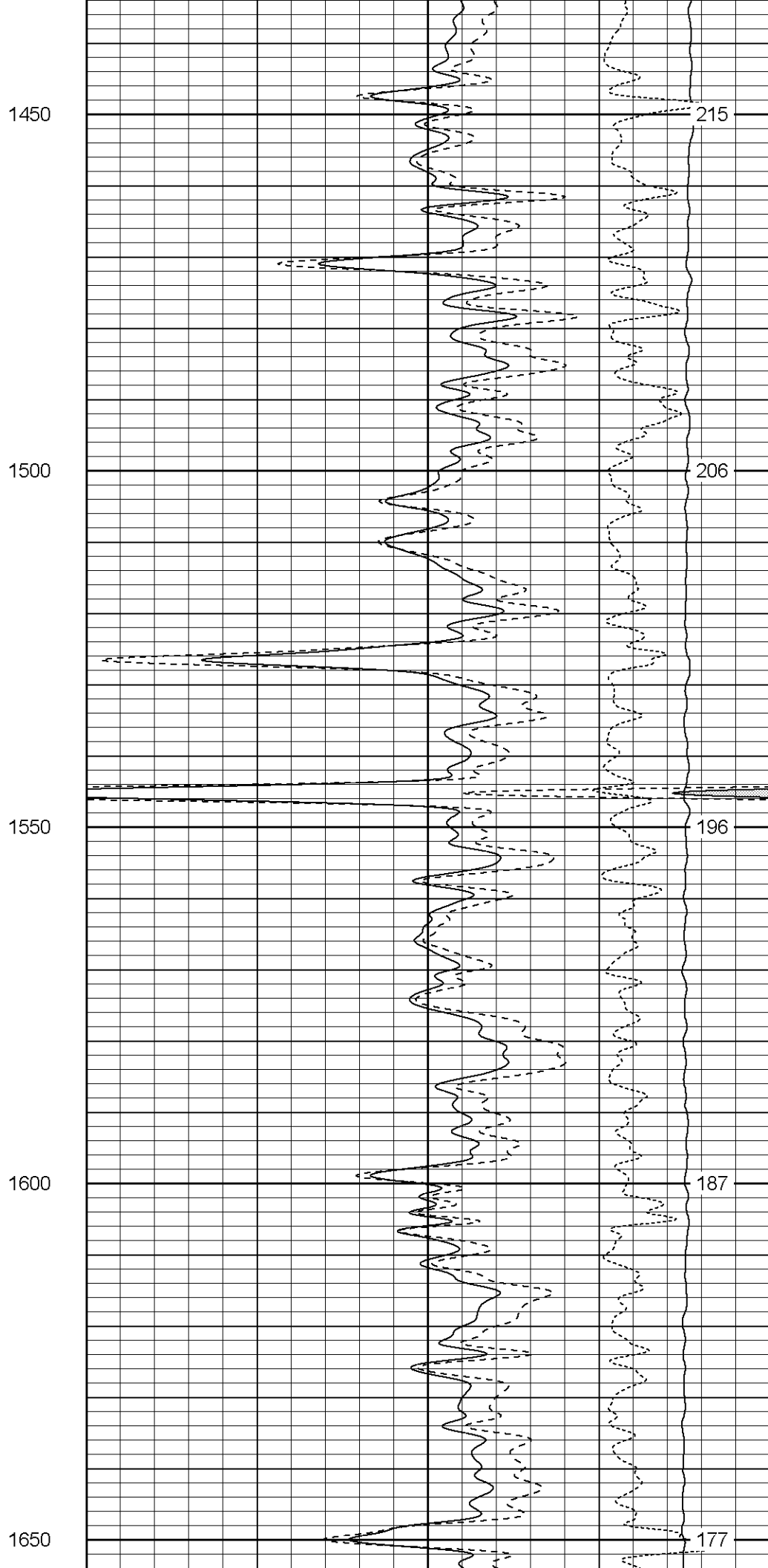
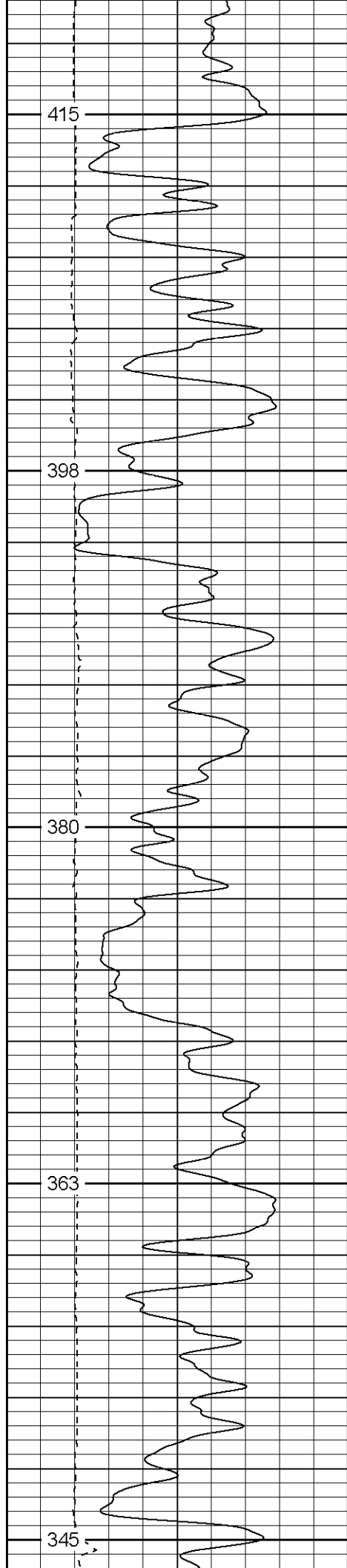


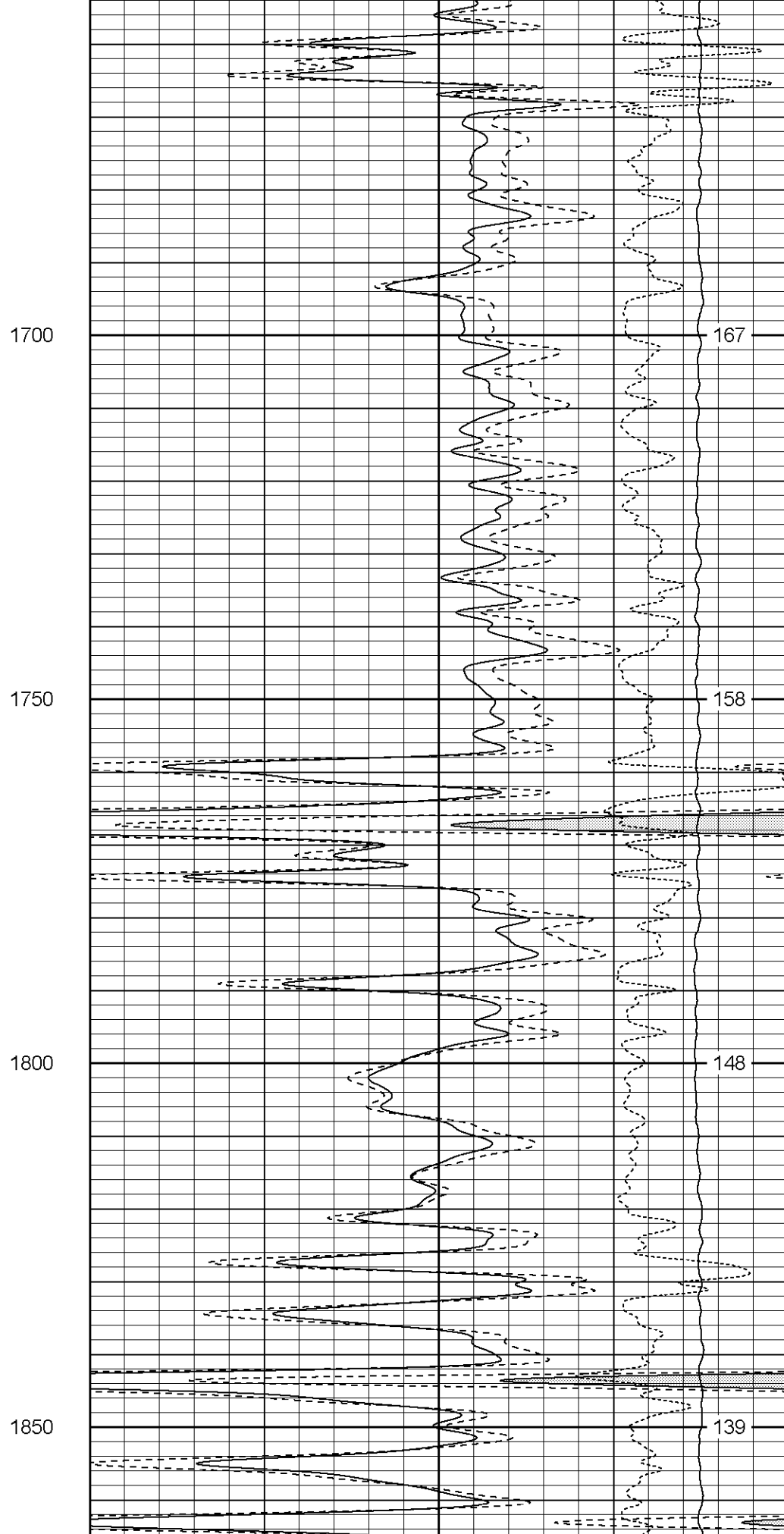
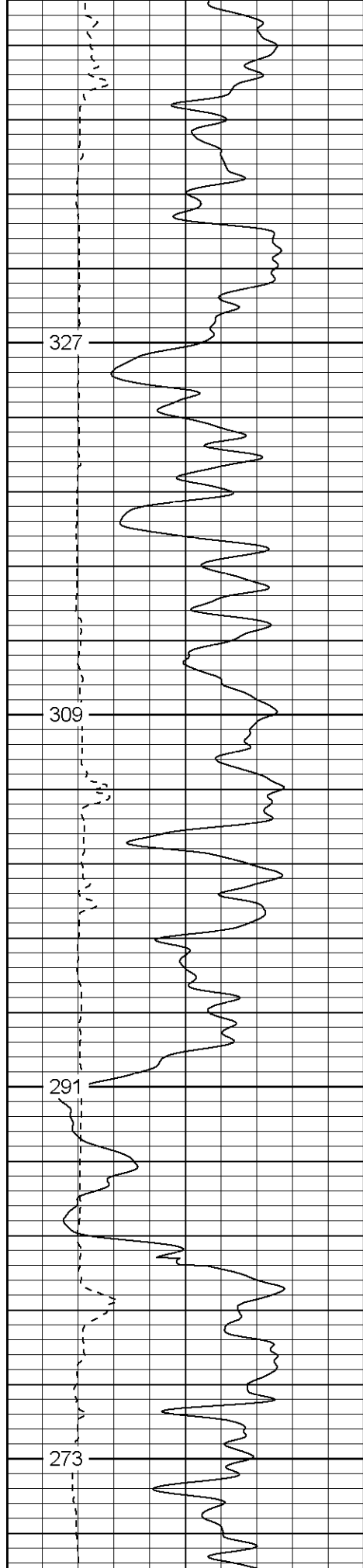
1250

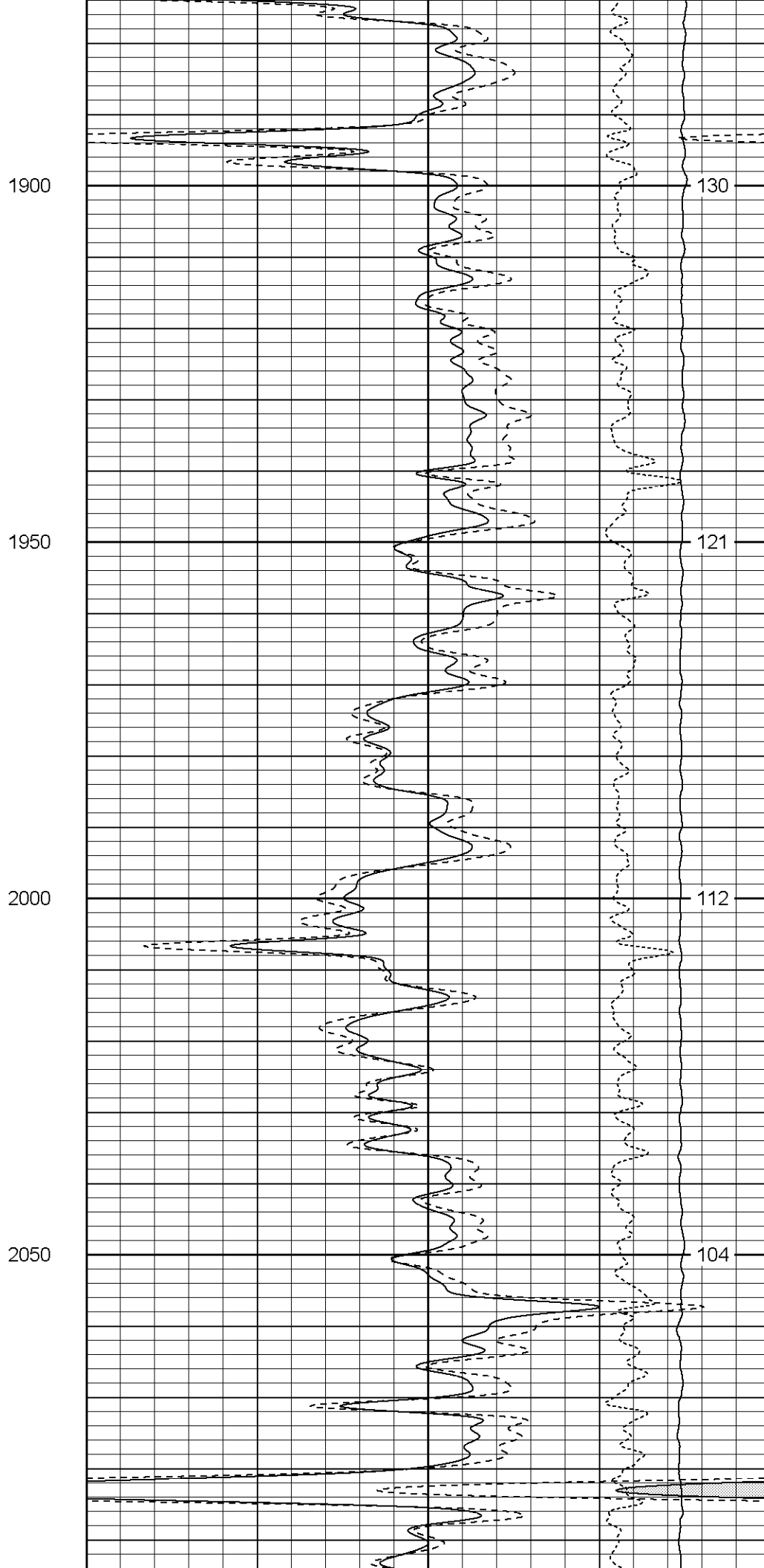
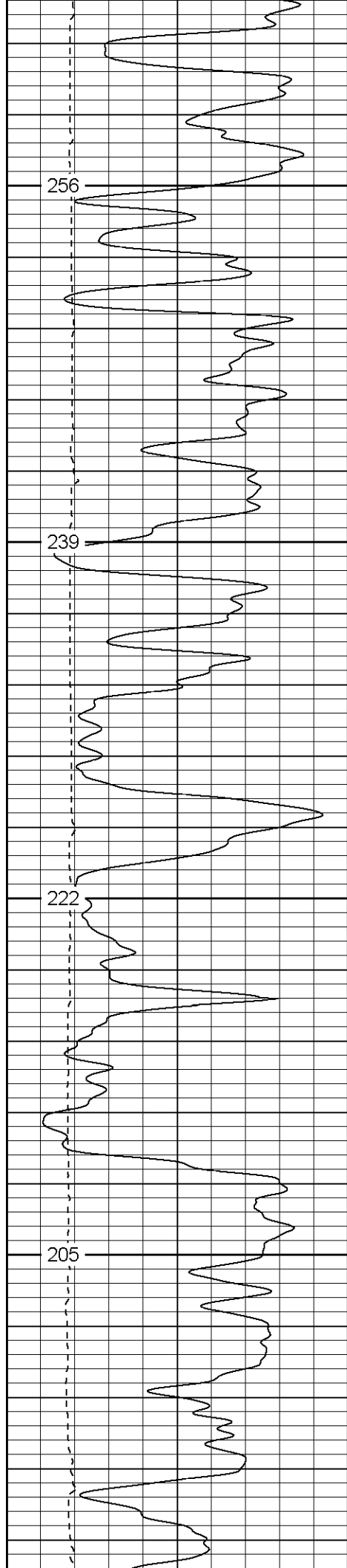
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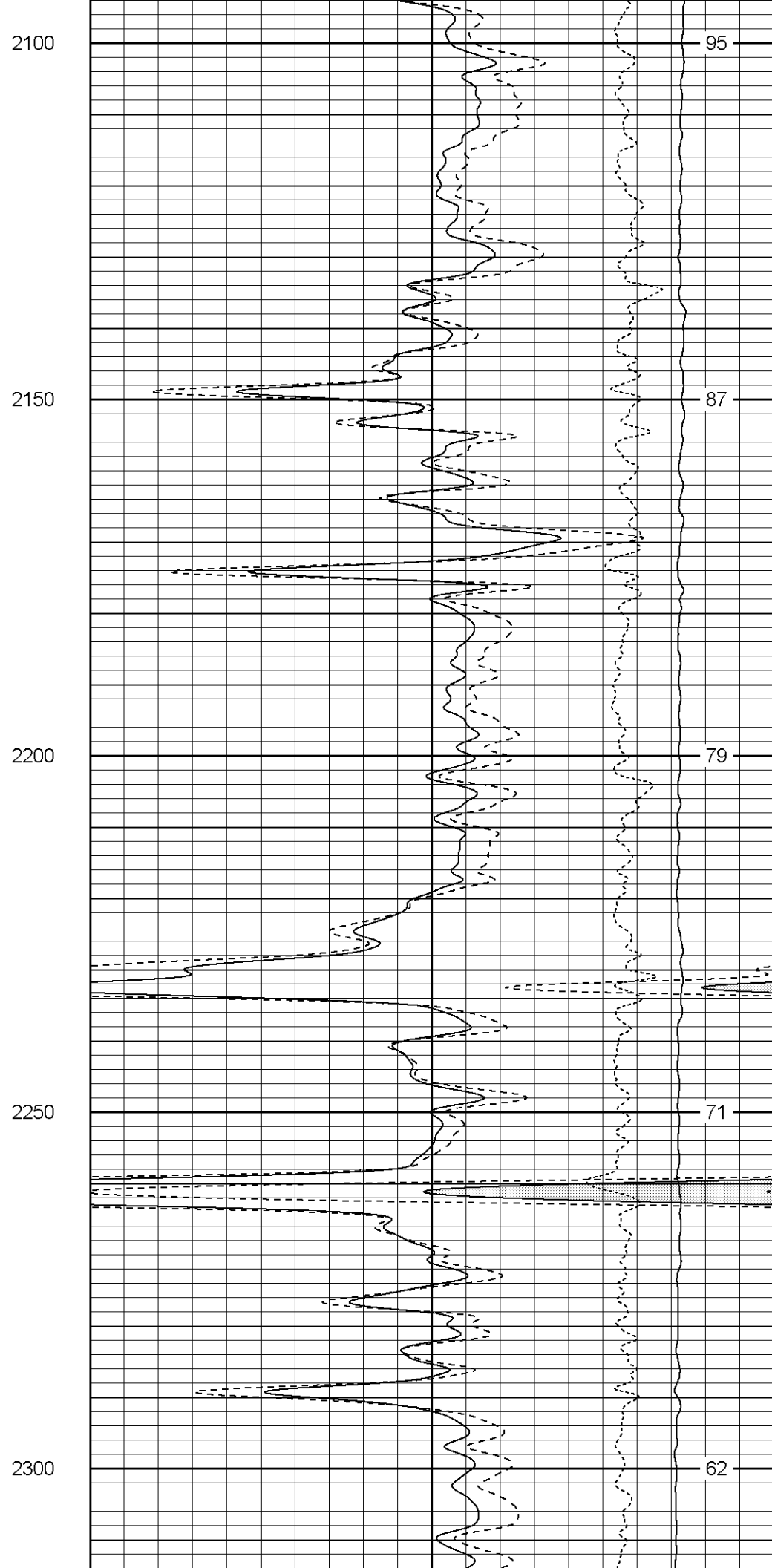
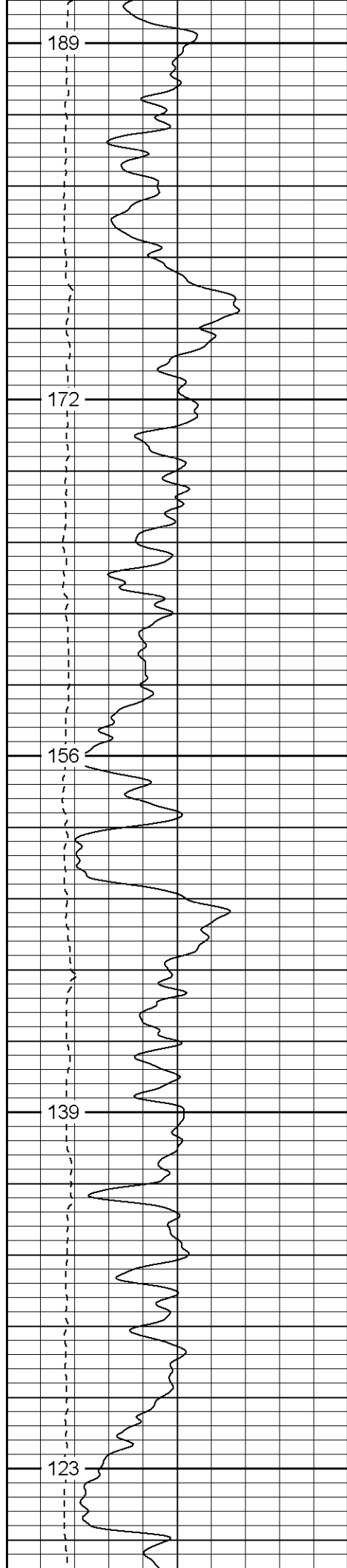
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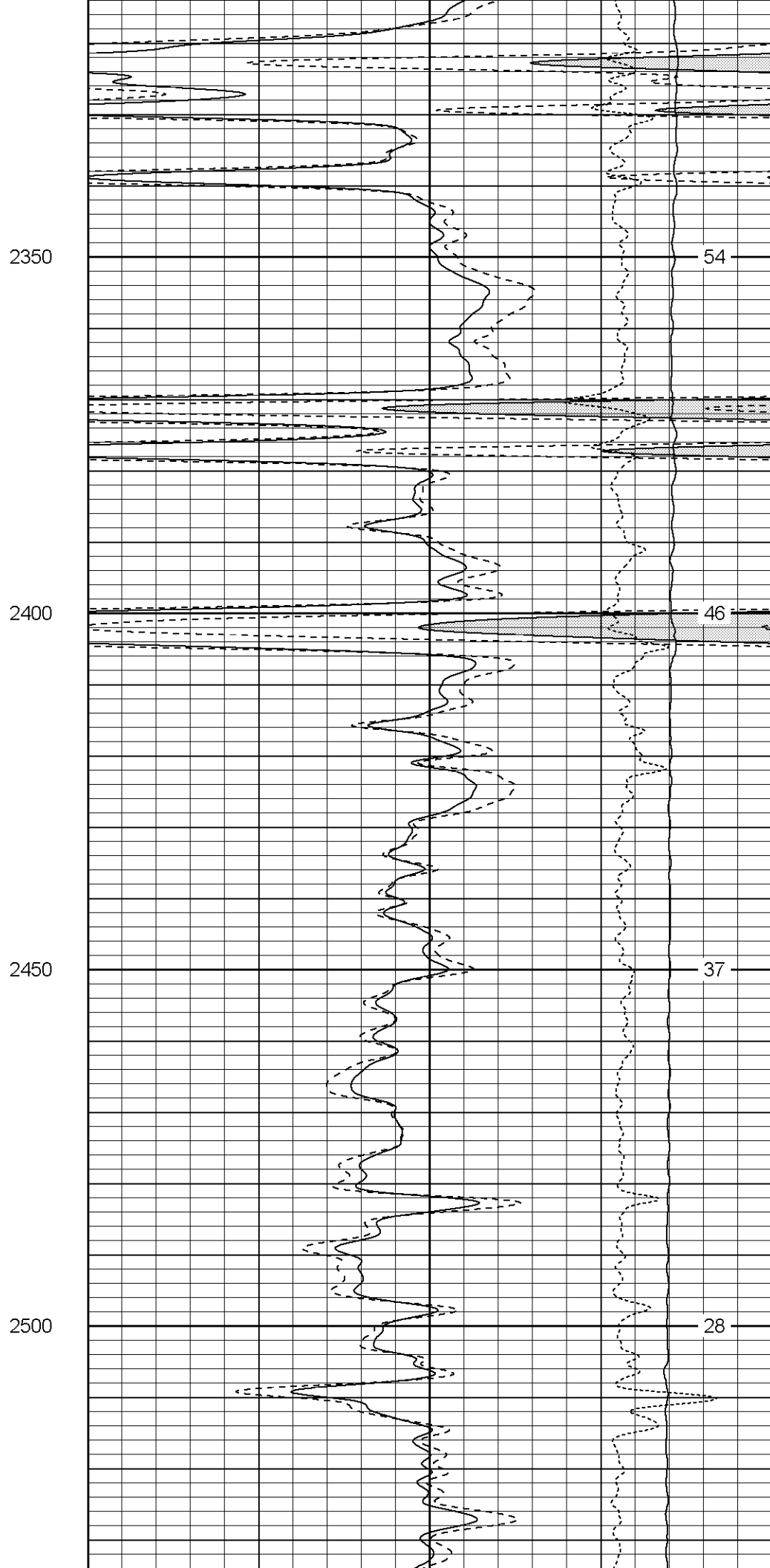
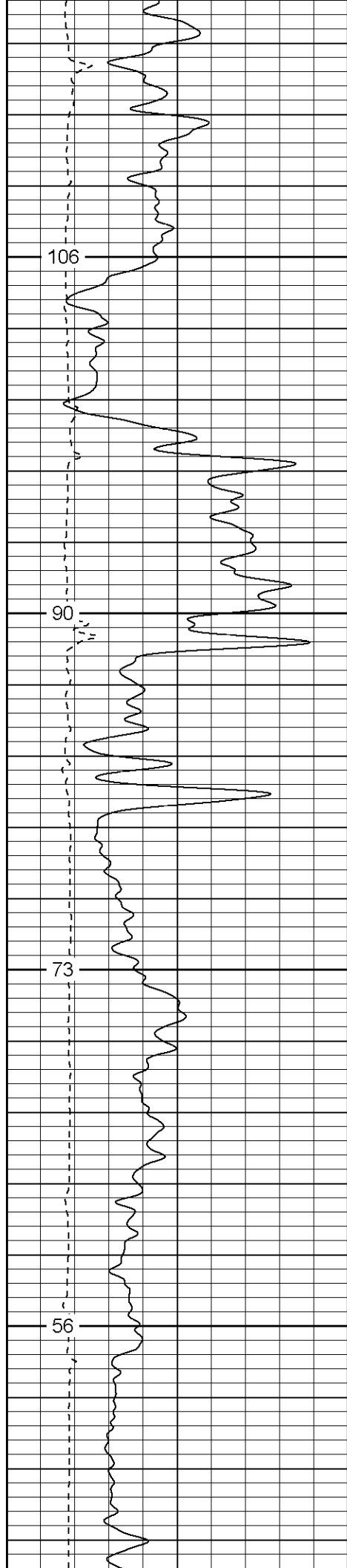


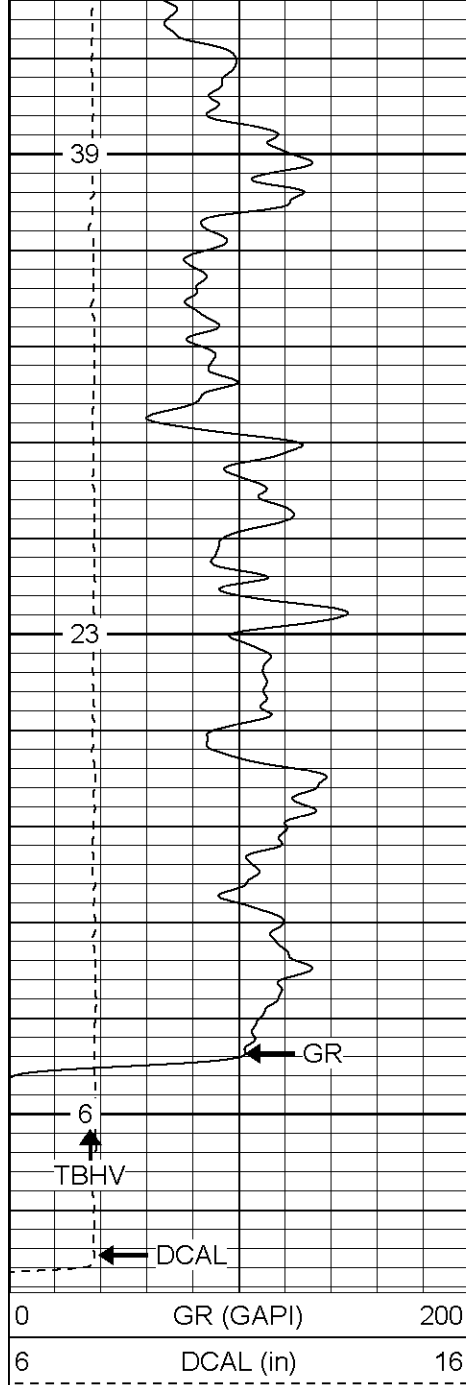








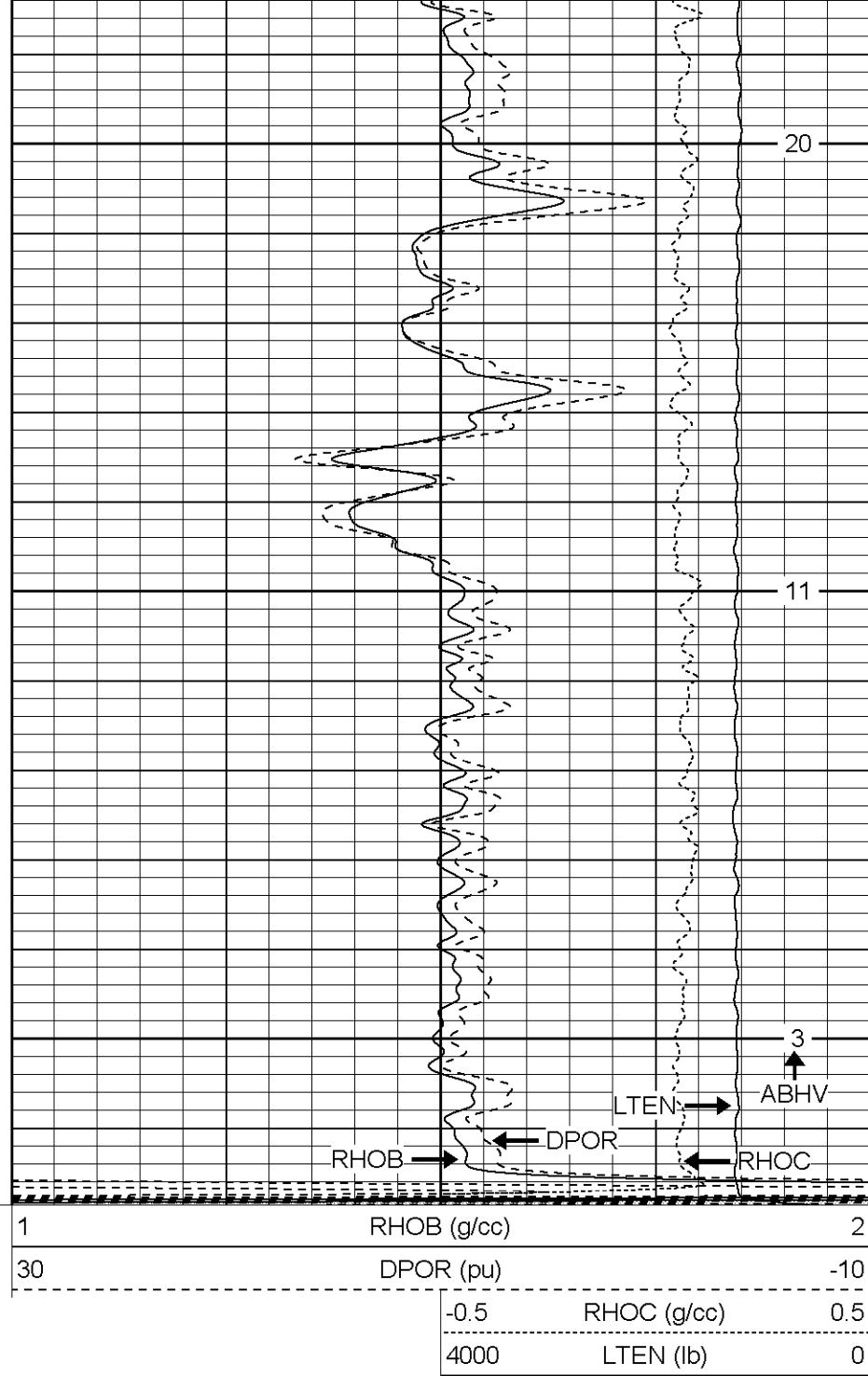




2550

2600

2650



20

11

3

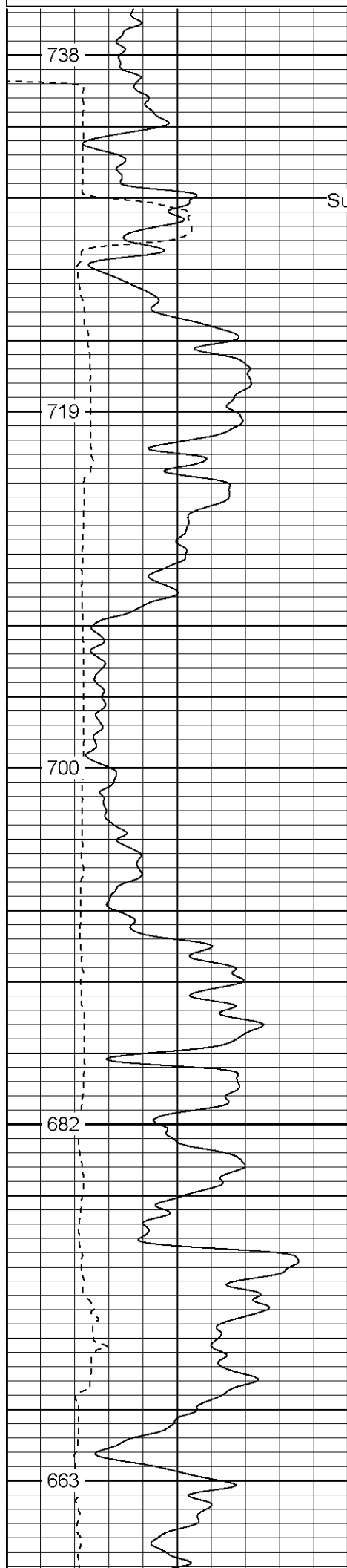
Patterson

Main Pass

Database File: xtoac0602.db
 Dataset Pathname: pass4.1
 Presentation Format: cdnl
 Dataset Creation: Sun Jul 23 06:21:04 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



Surface Casing

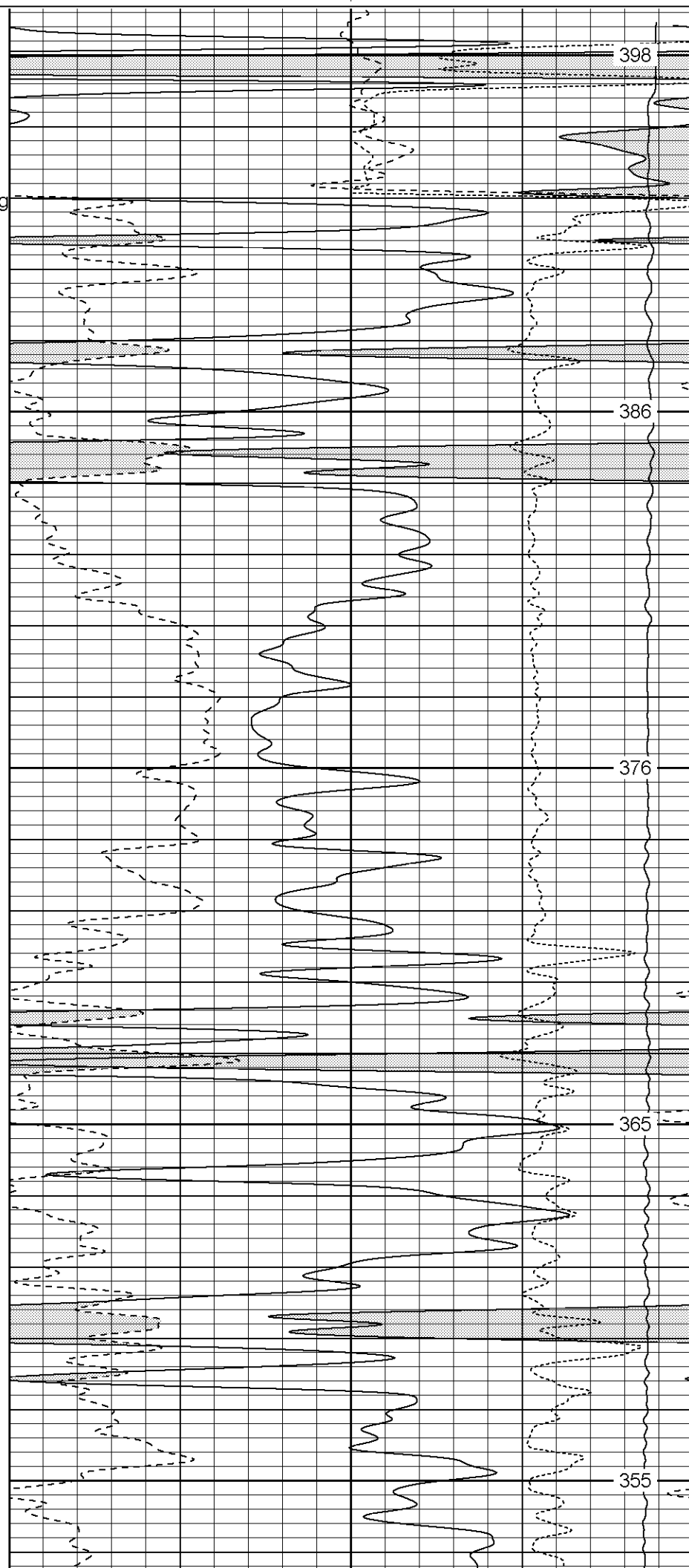
600

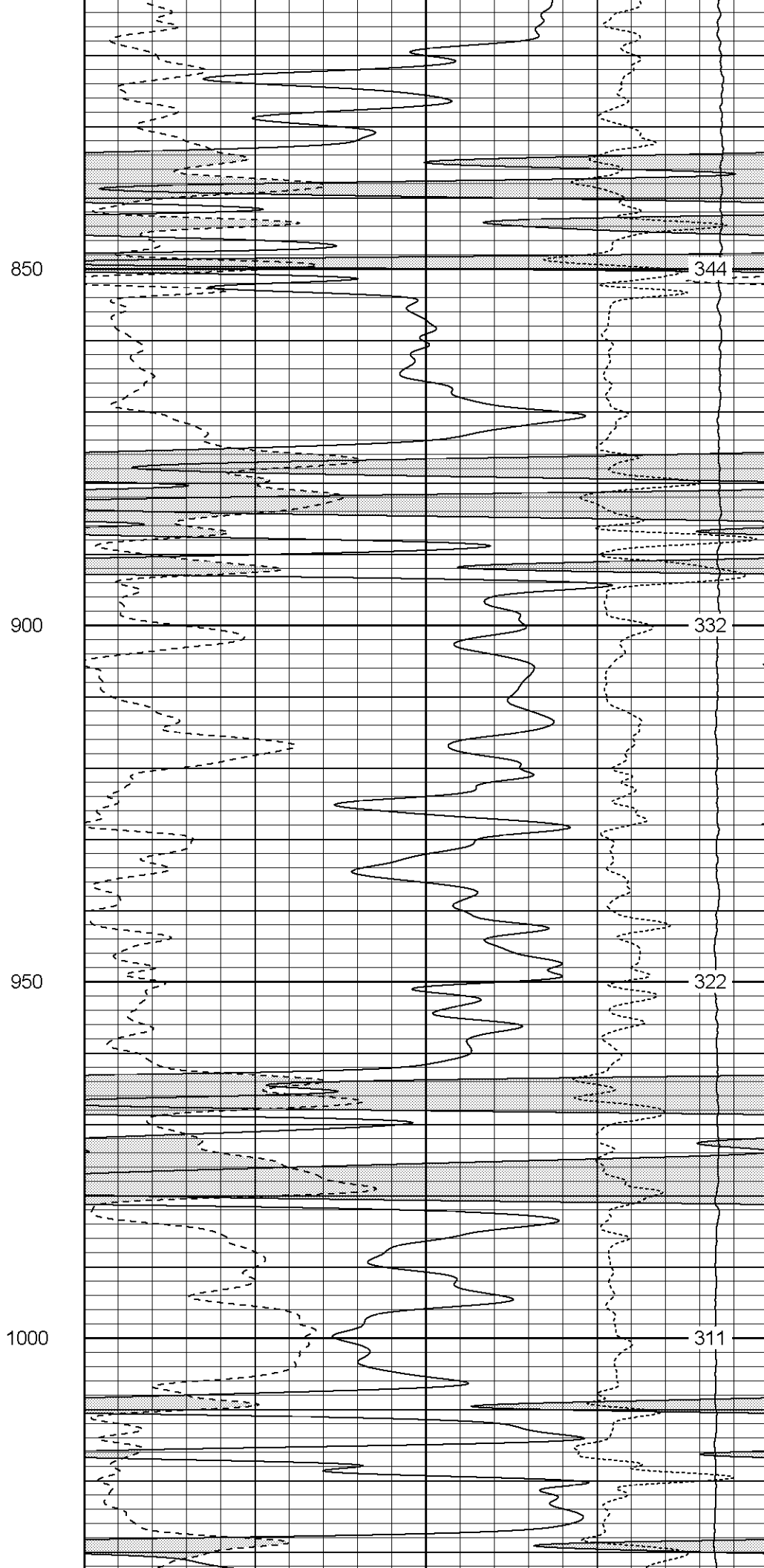
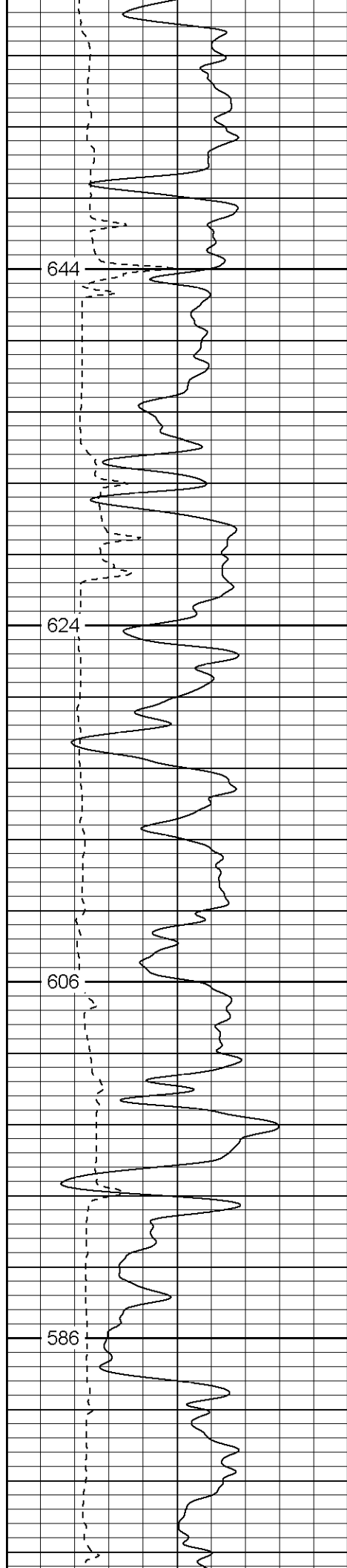
650

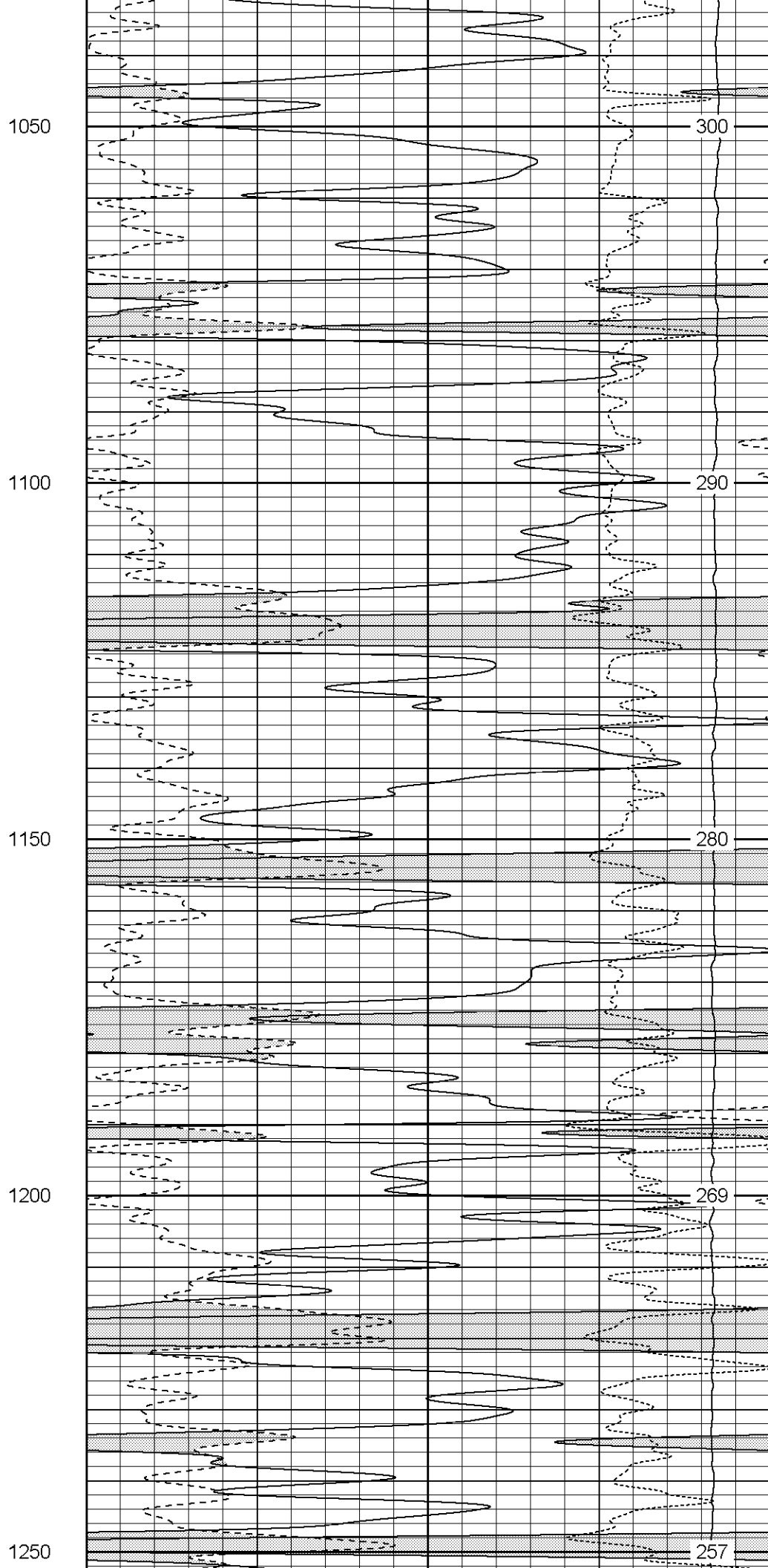
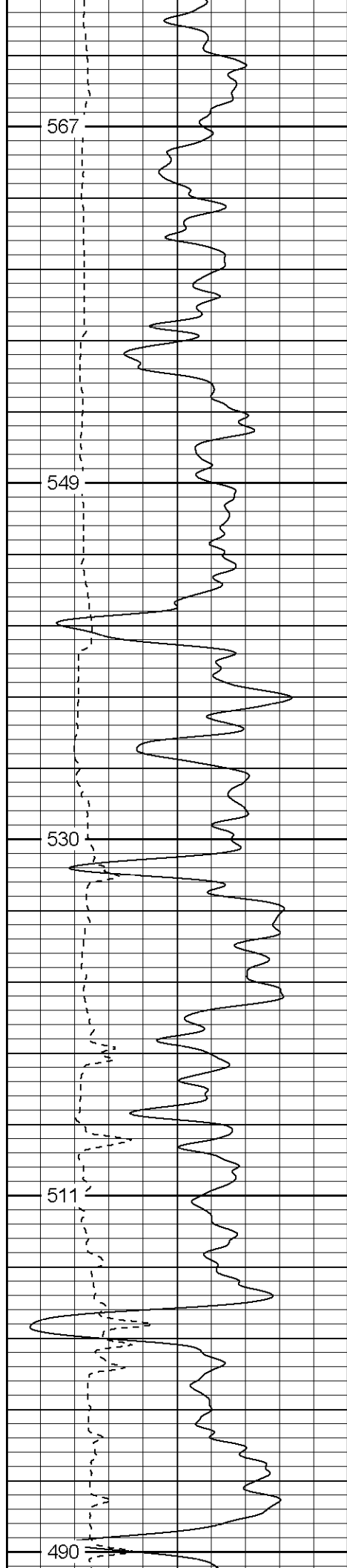
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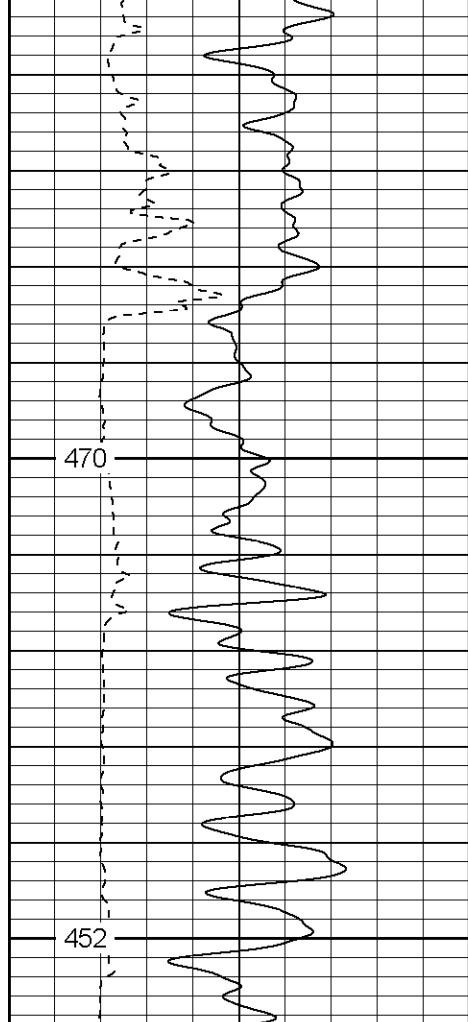
750

800



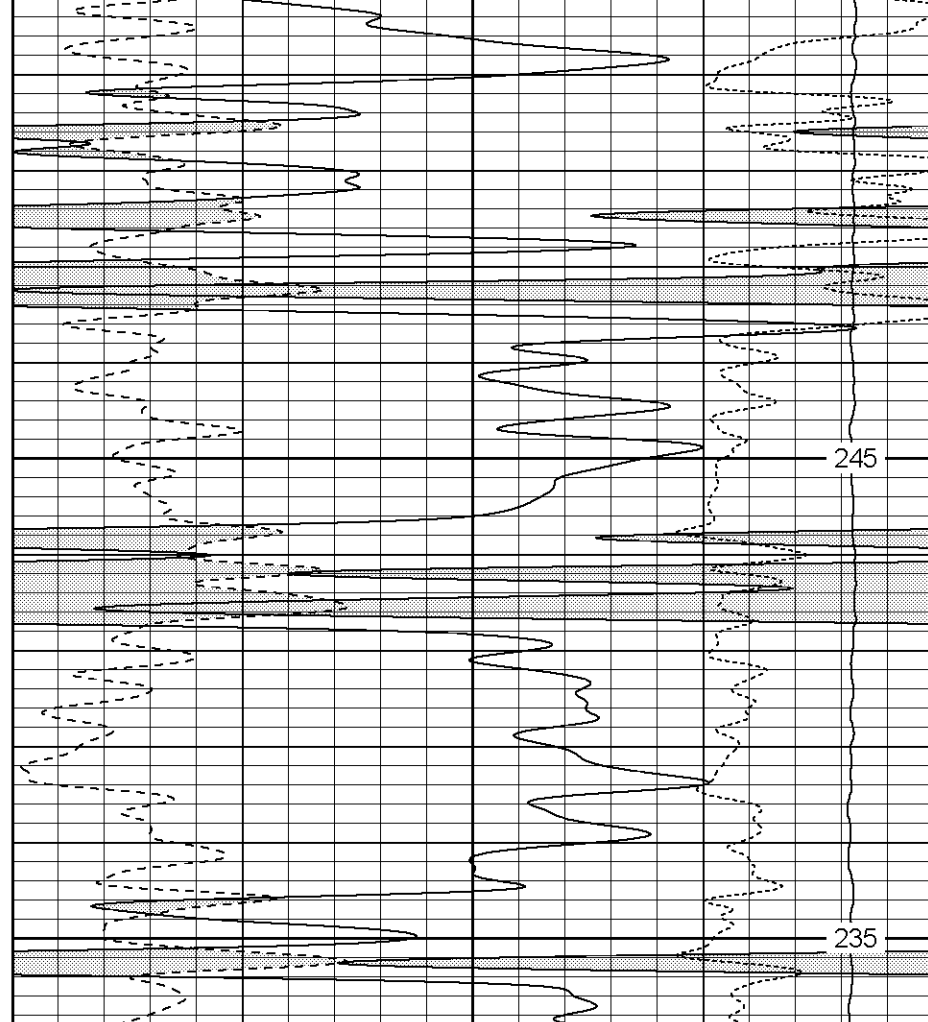


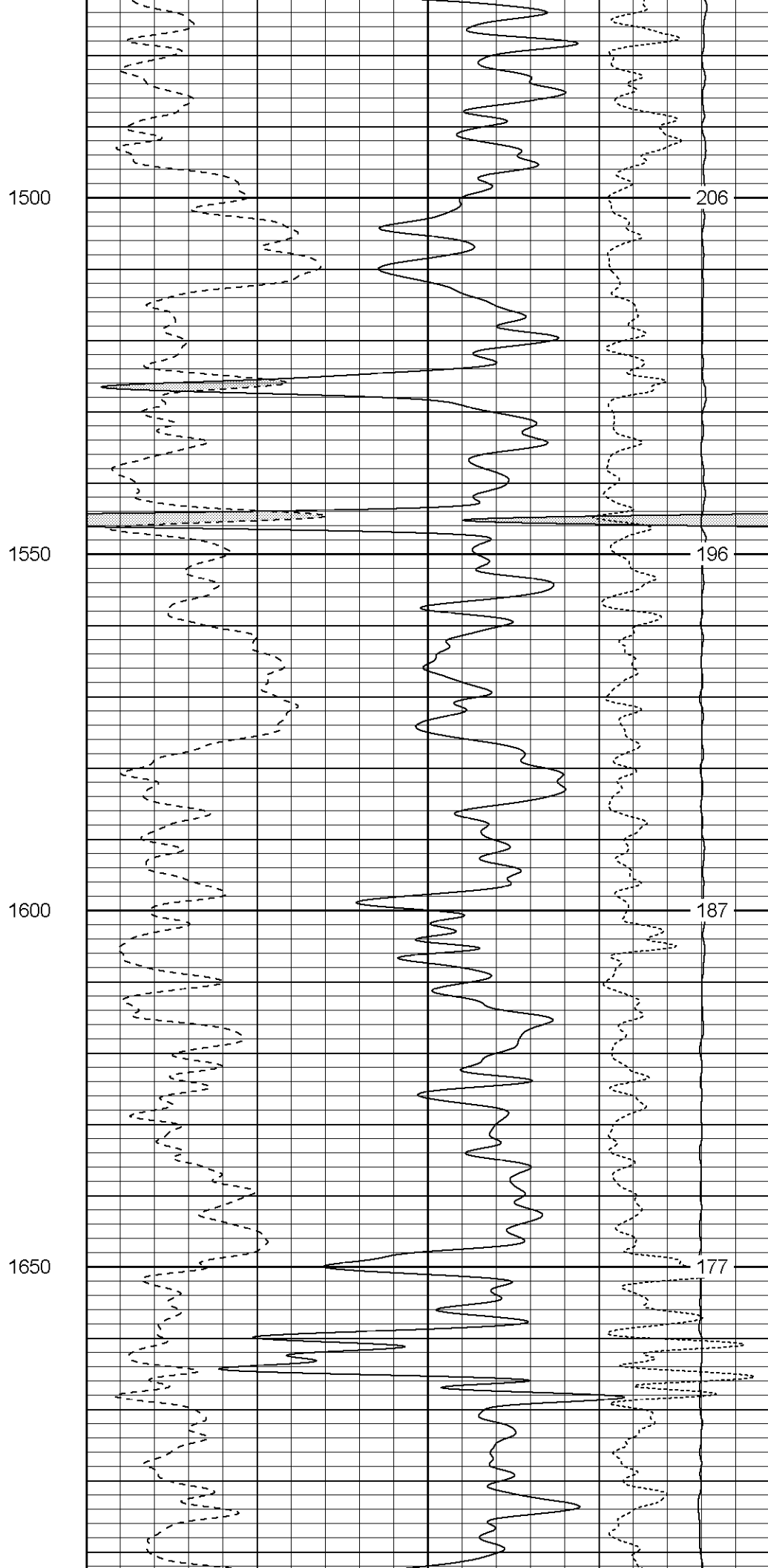
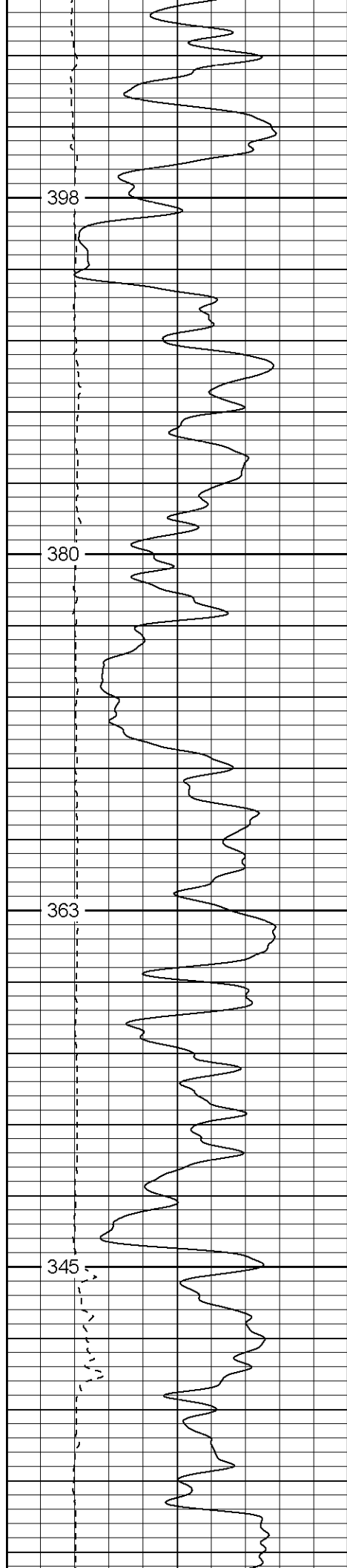


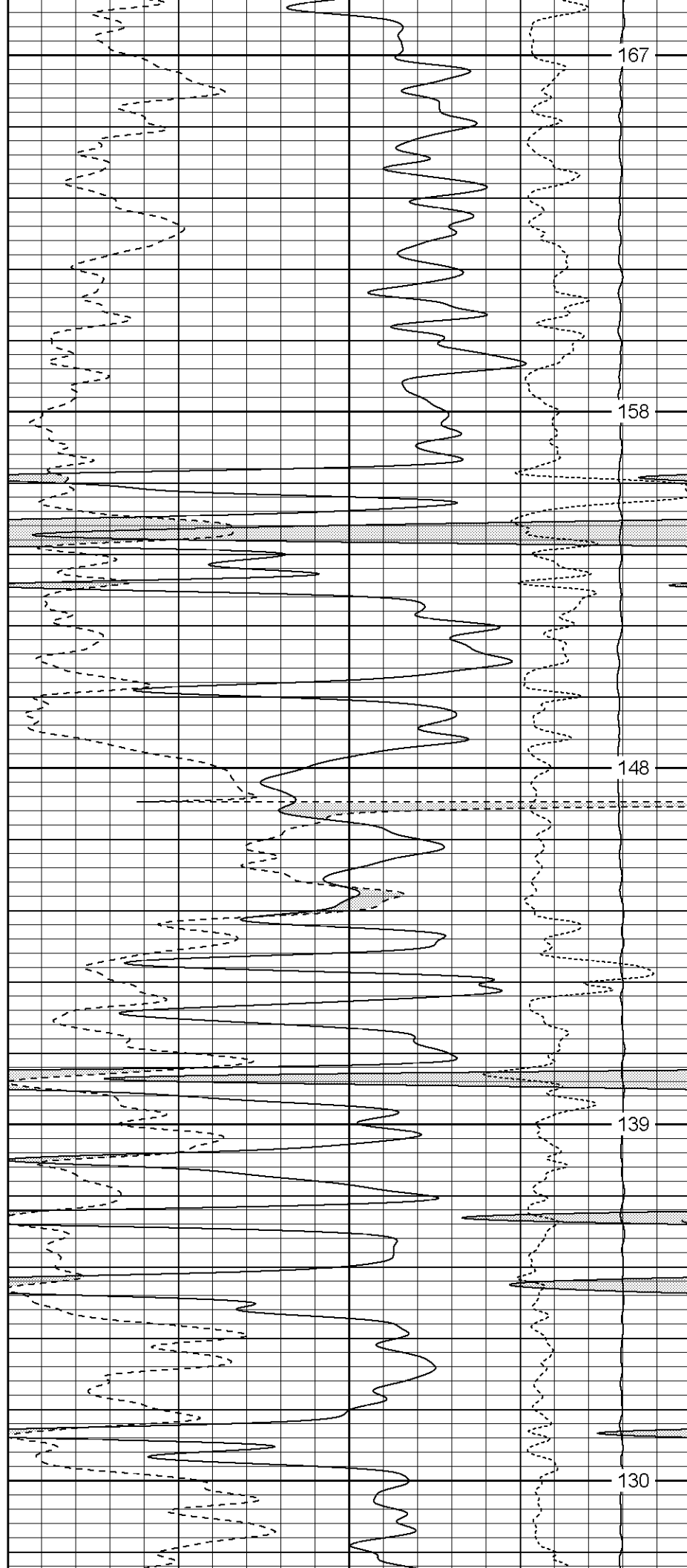
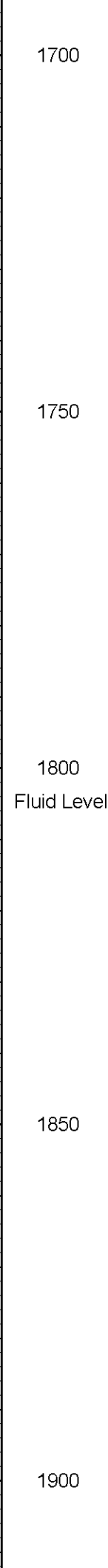
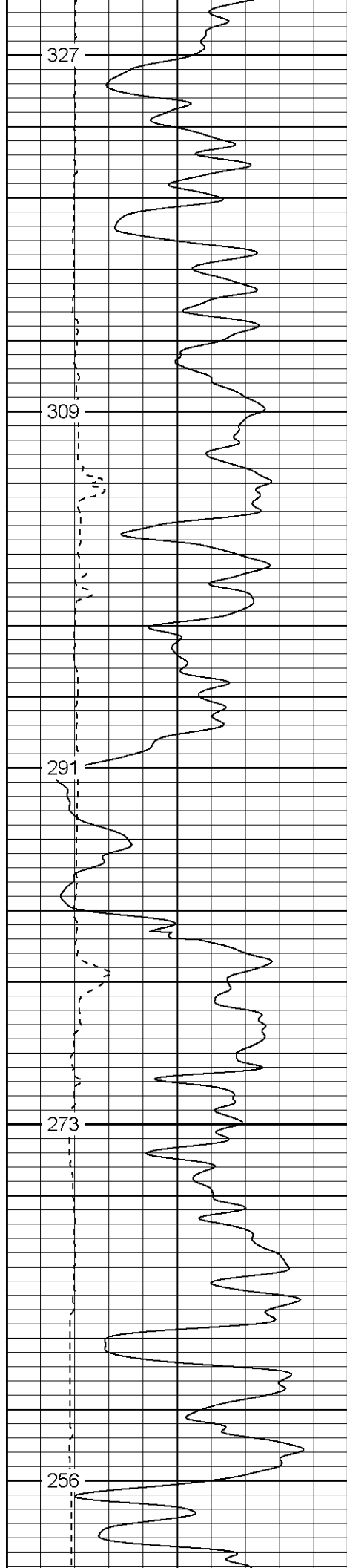


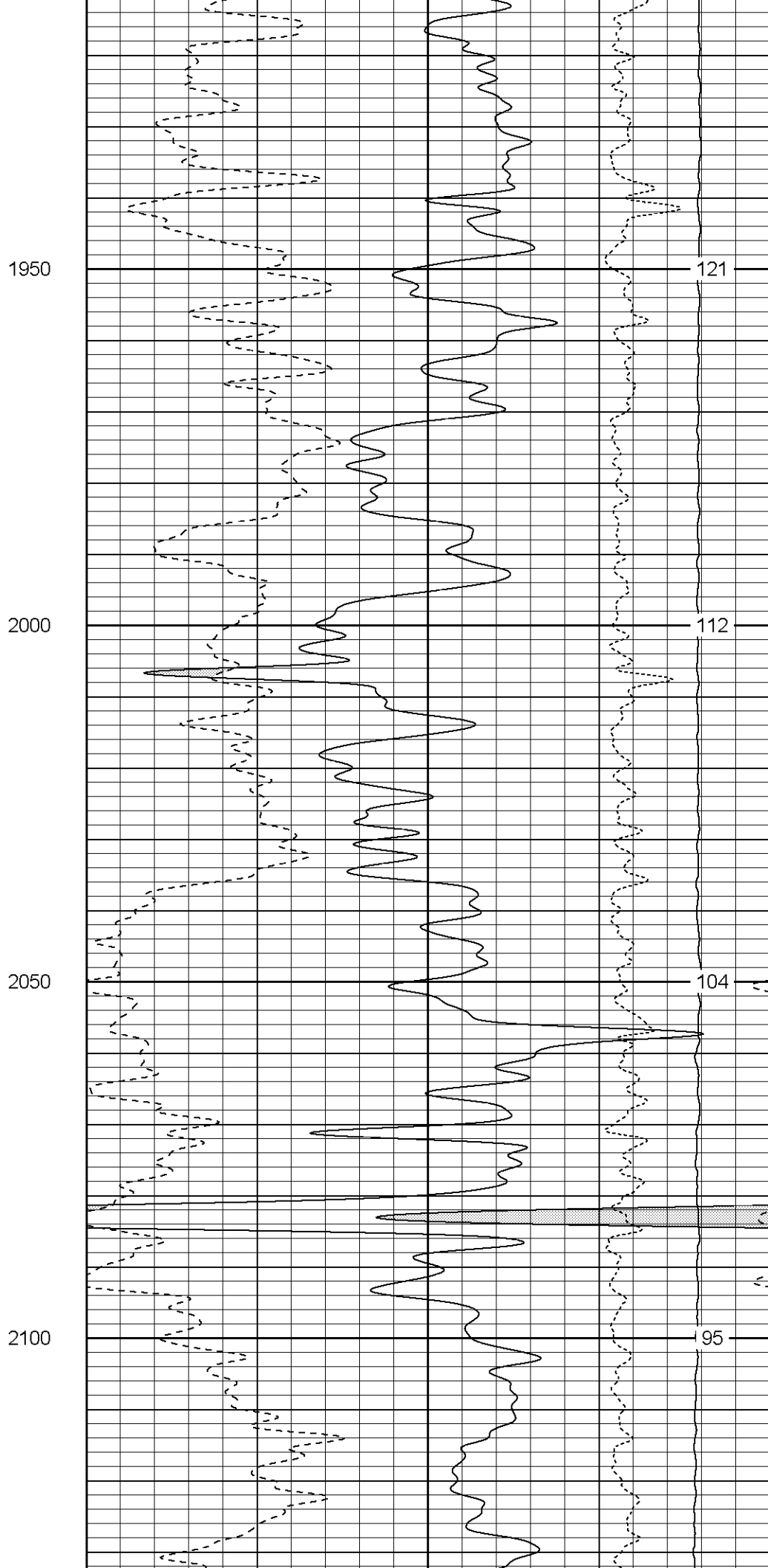
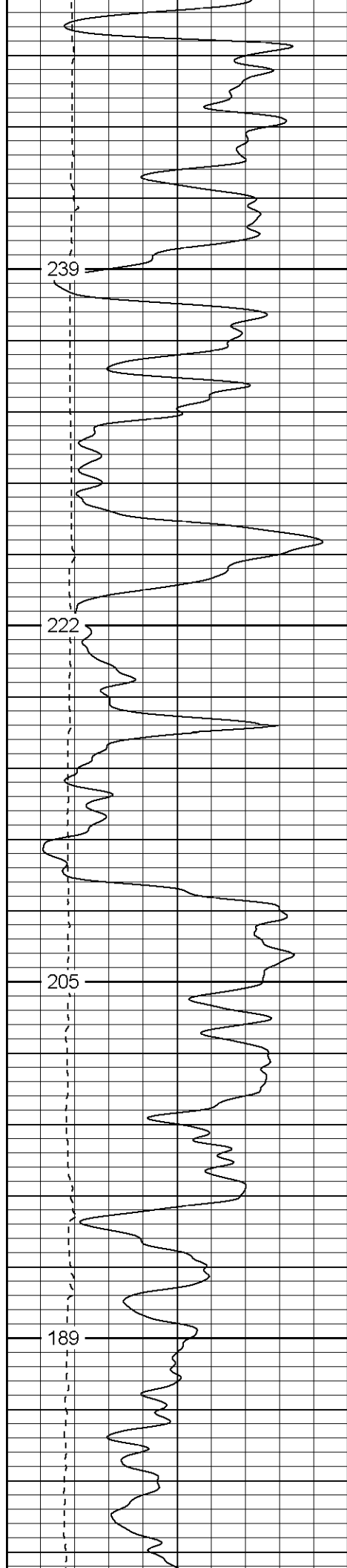
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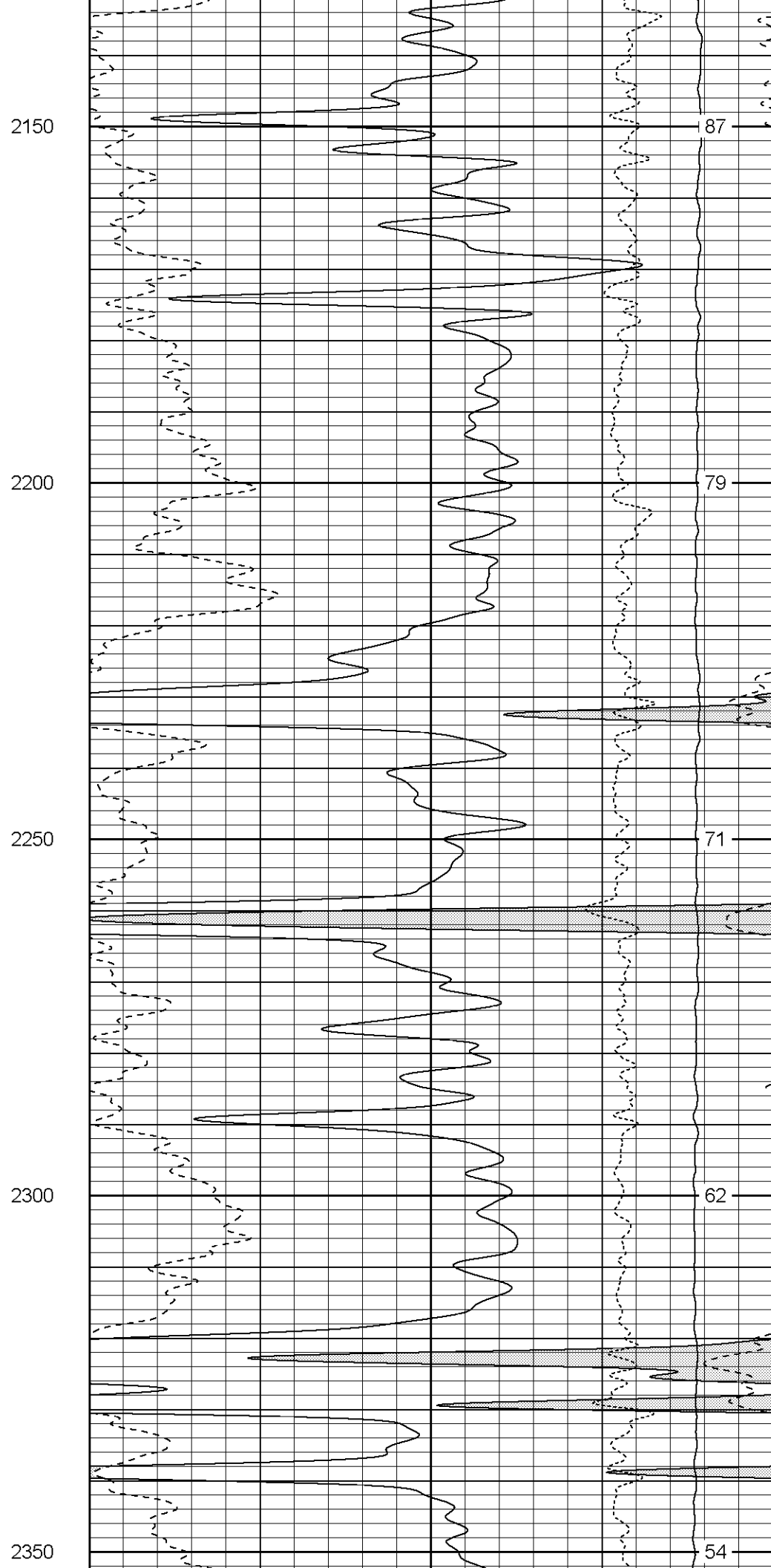
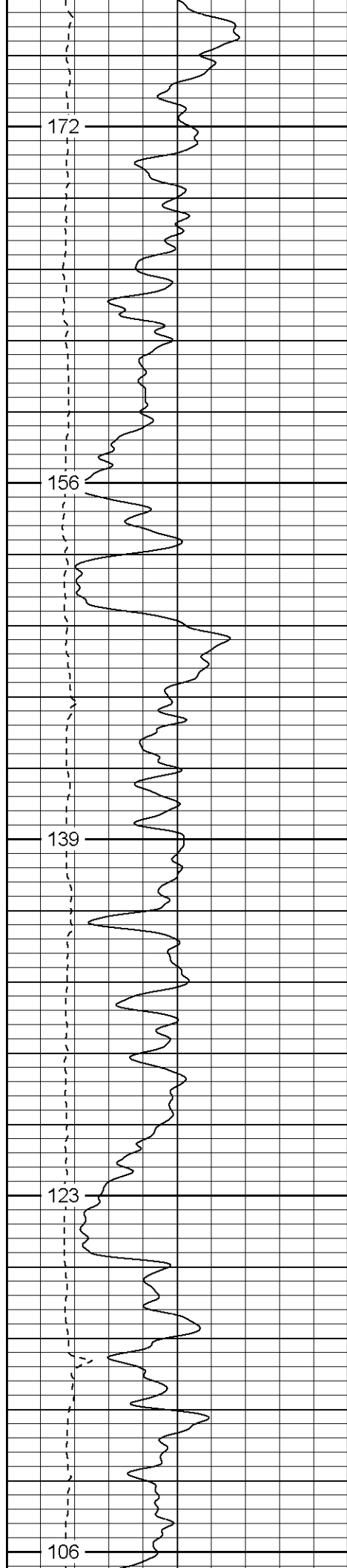
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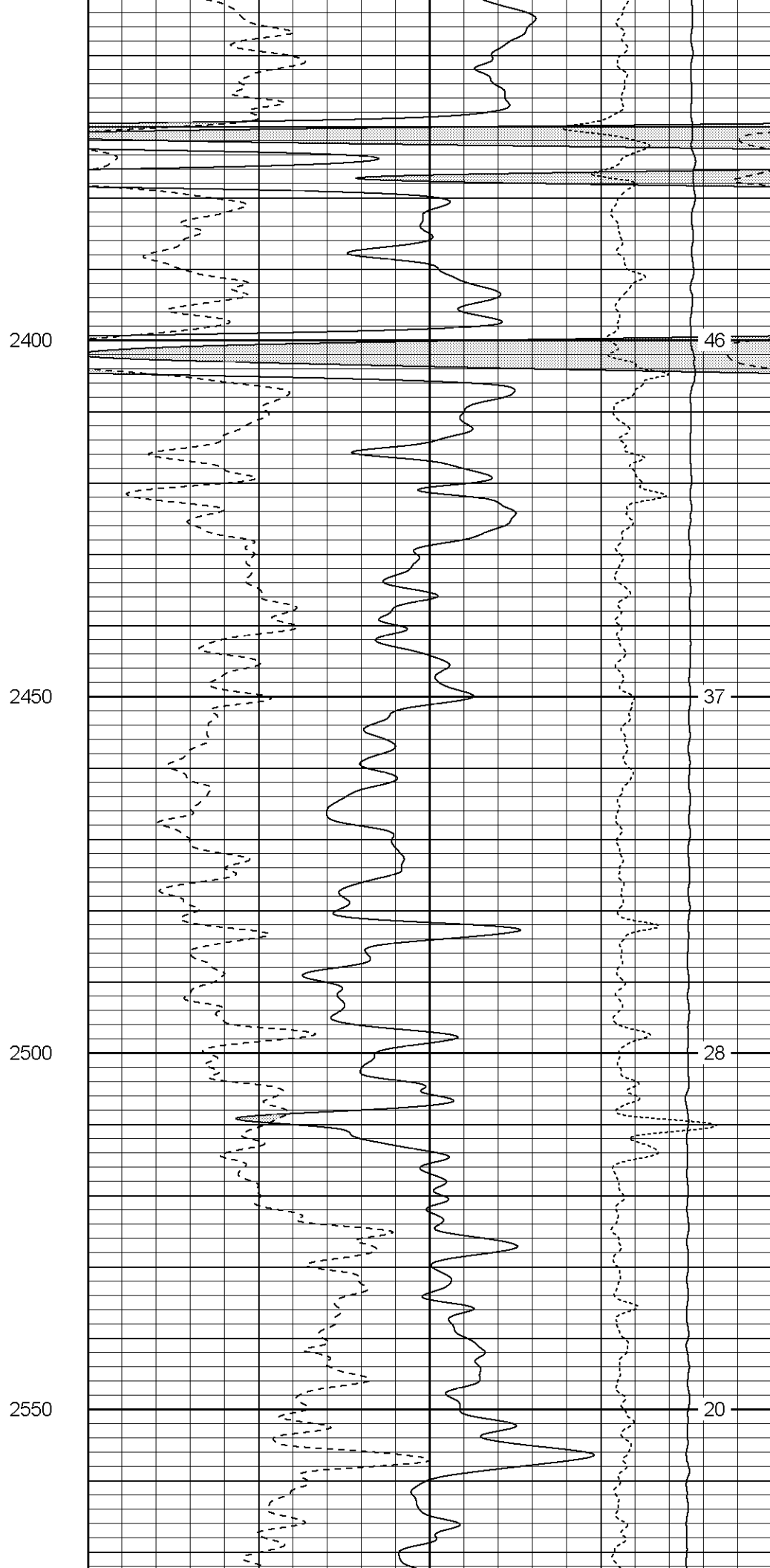
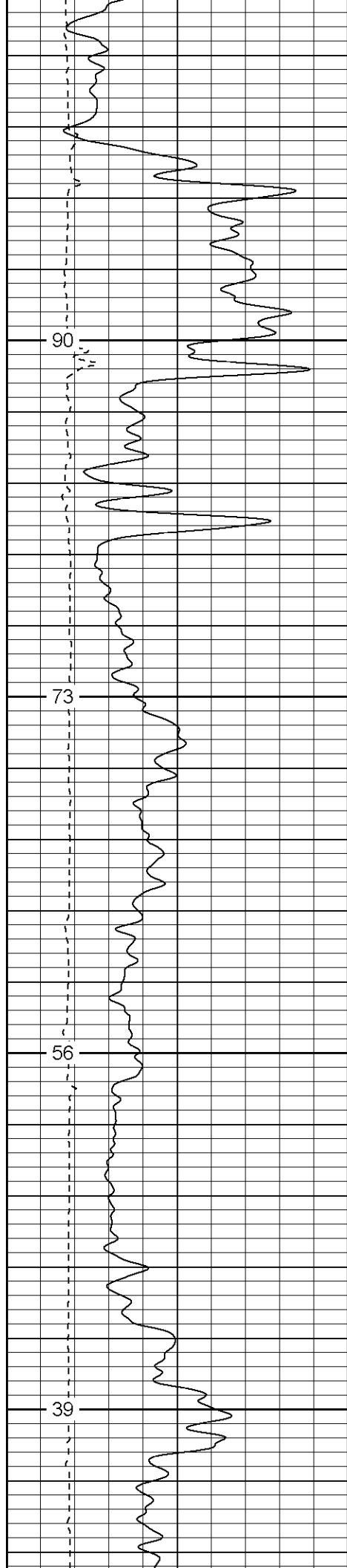


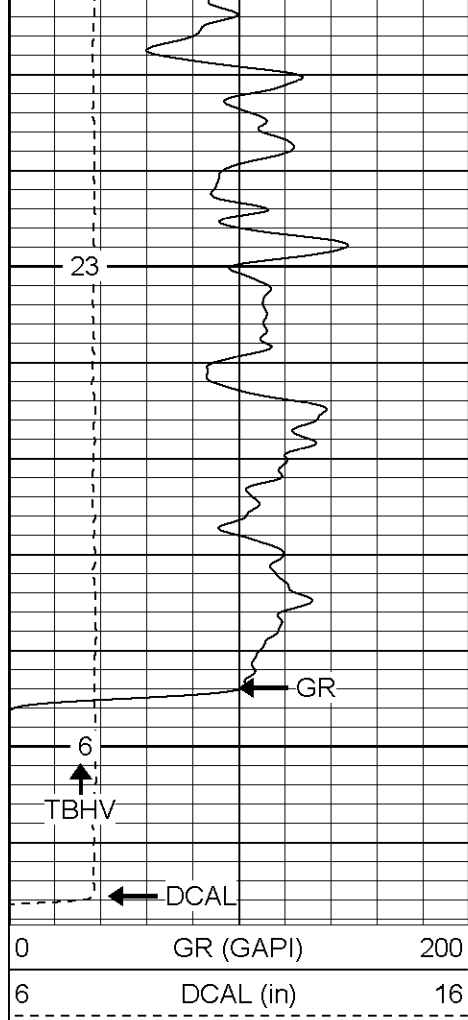






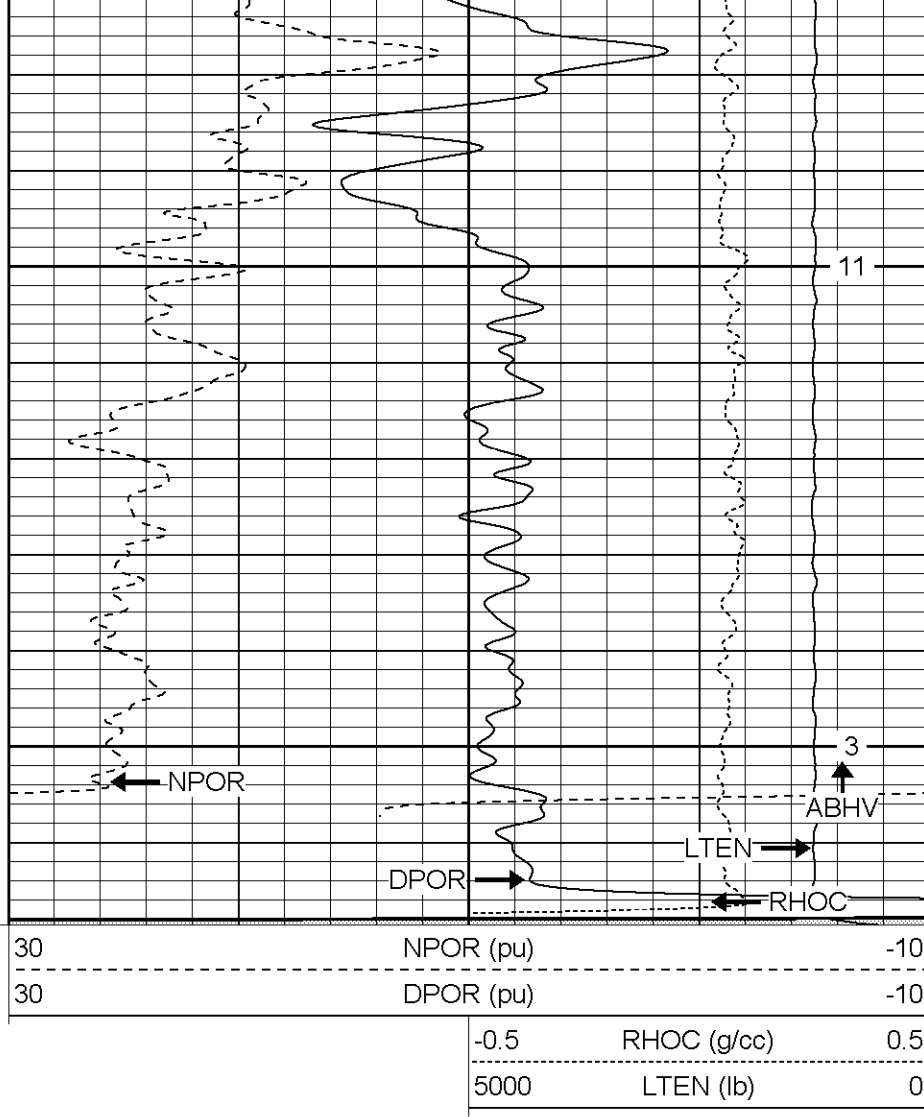






2600

2650



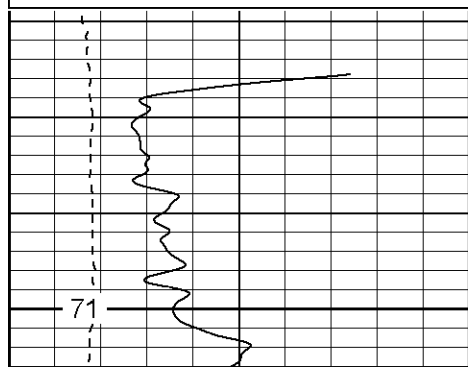
Patterson

Repeat Section

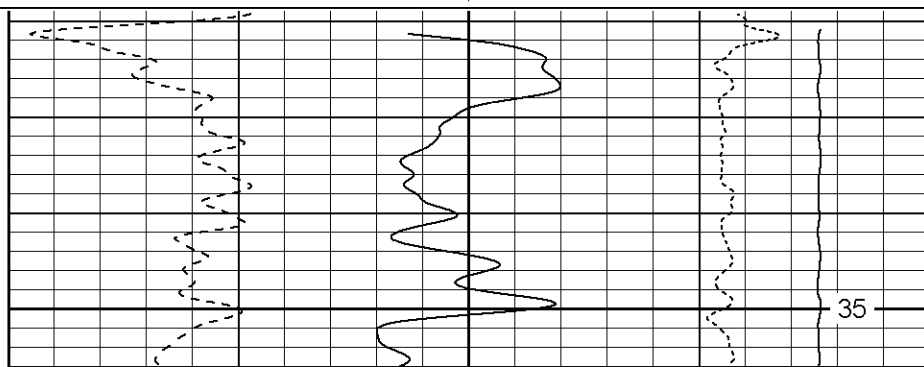
Database File: xtoac0602.db
 Dataset Pathname: pass3.1
 Presentation Format: cdnl
 Dataset Creation: Sun Jul 23 06:17:57 2006 by Calc Warrior 7.0 STD Ope
 Charted by: Depth in Feet scaled 1:240

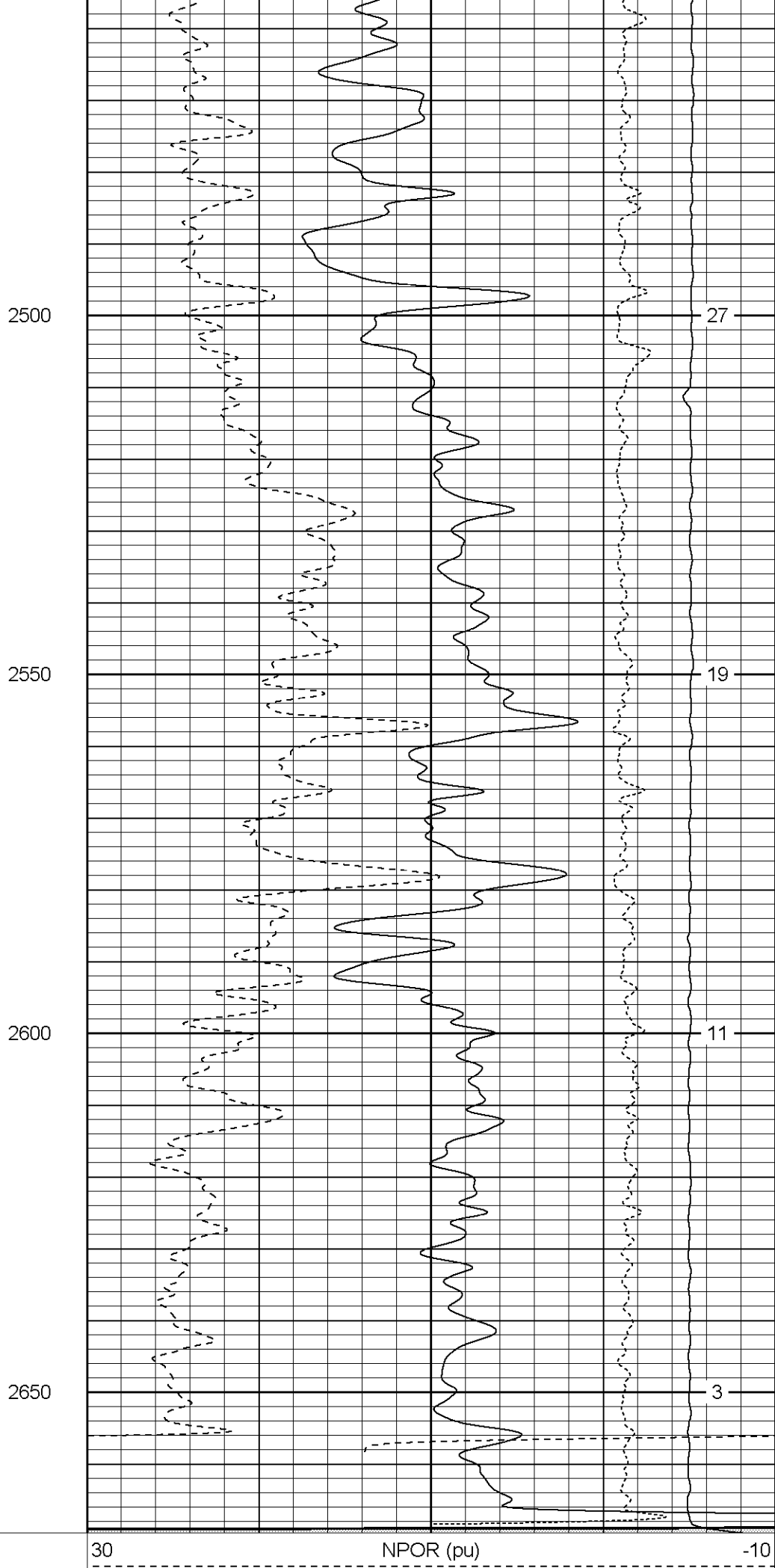
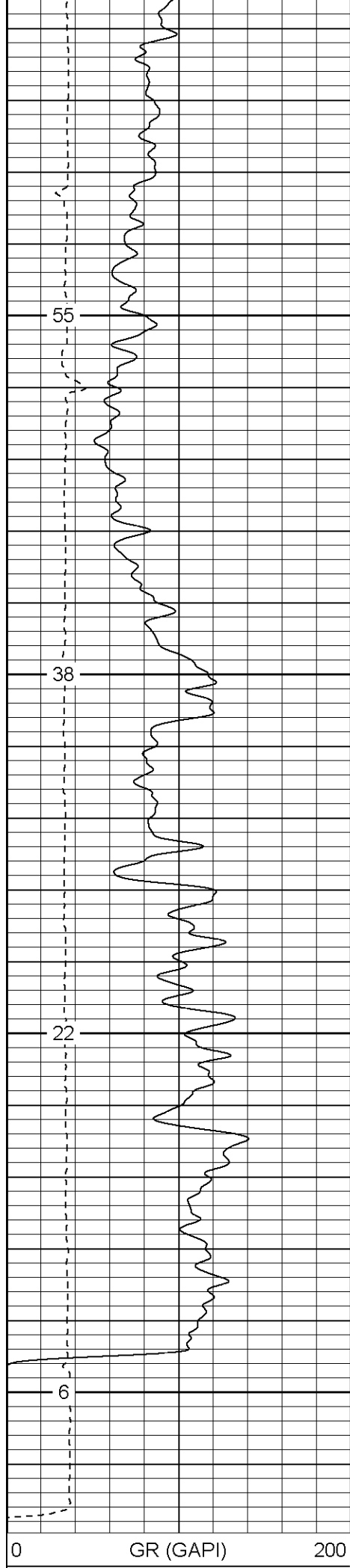
0	GR (GAPI)	200
6	DCAL (in)	16

30	NPOR (pu)	-10
30	DPOR (pu)	-10
-0.5	RHOC (g/cc)	0.5
5000	LTEN (lb)	0



2450





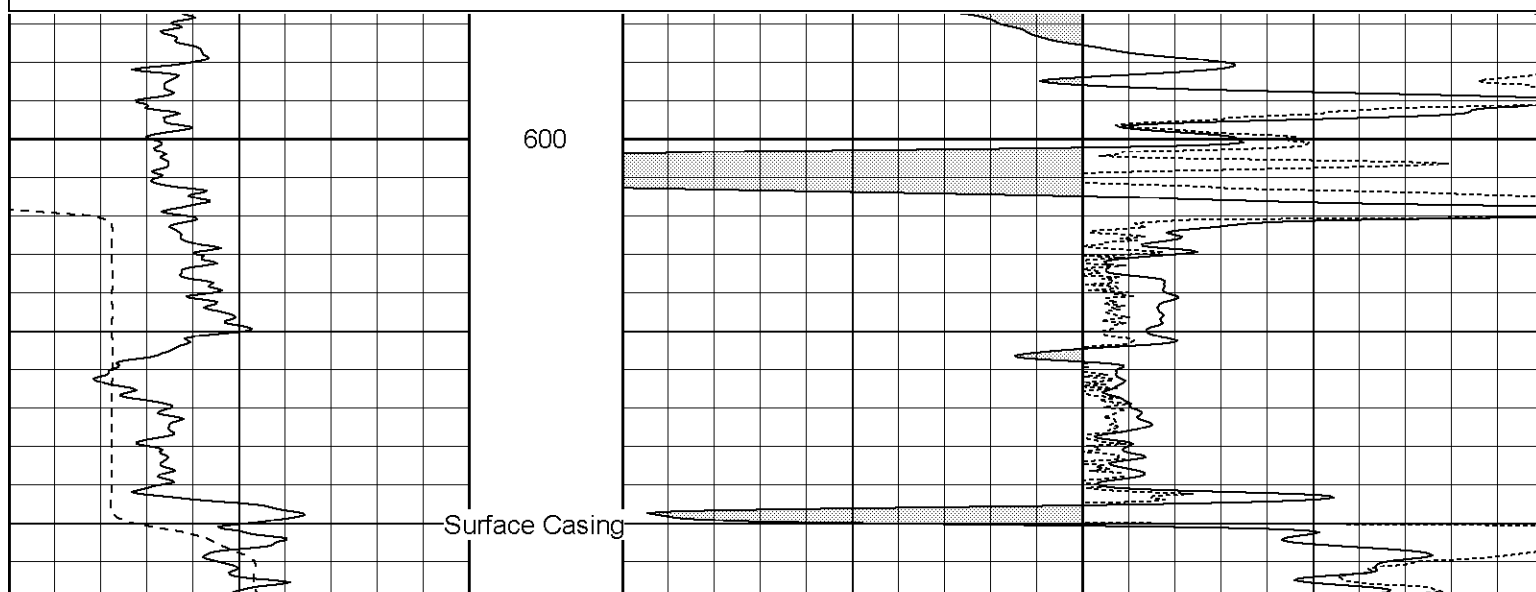
6	DCAL (in)	16	30	DPOR (pu)	-10	
				-0.5	RHOC (g/cc)	0.5
				5000	LTEN (lb)	0

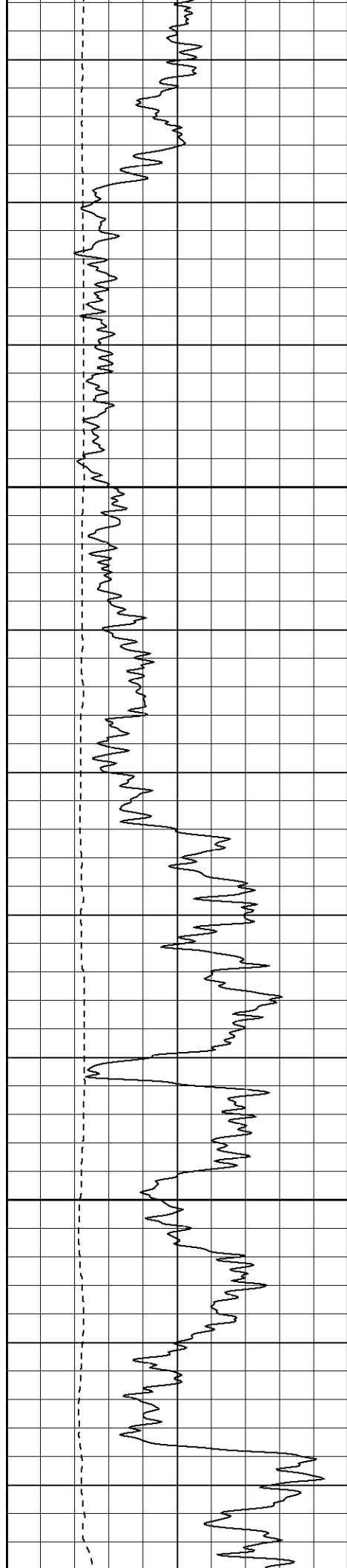
Patterson

High Resolution Pass

Database File: xtoac0602.db
Dataset Pathname: pass4.2
Presentation Format: cdlhr
Dataset Creation: Mon Jul 24 07:11:06 2006 by Calc Warrior 7.0 STD Ope
Charted by: Depth in Feet scaled 1:120

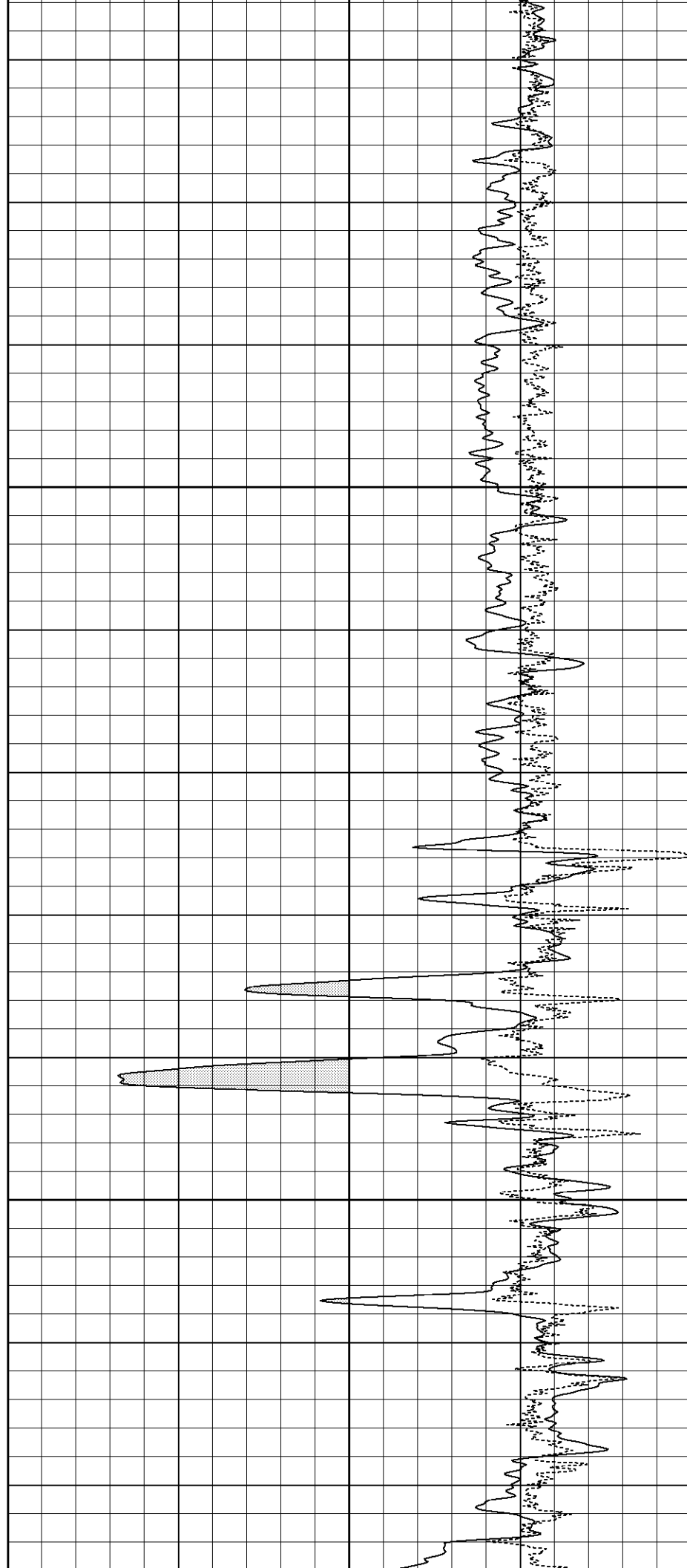
0	GR (GAPI)	200	1	RHOB (g/cc)		3
6	DCAL (in)	16		-0.5	RHOC (g/cc)	0.5

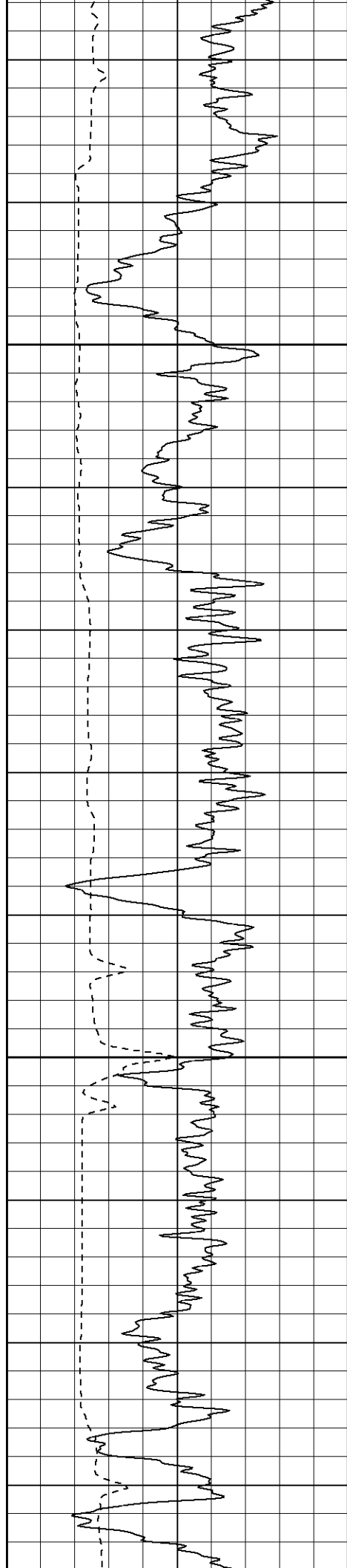




700

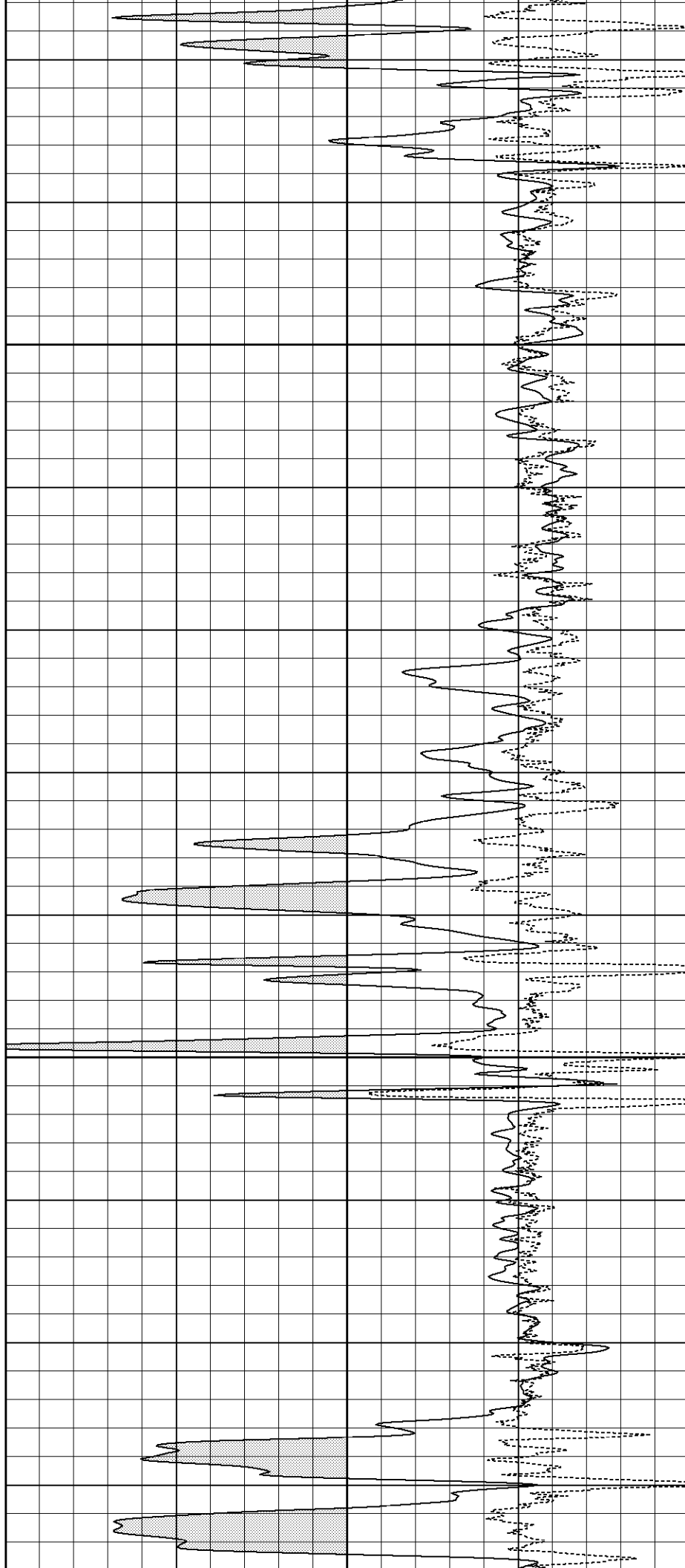
750





800

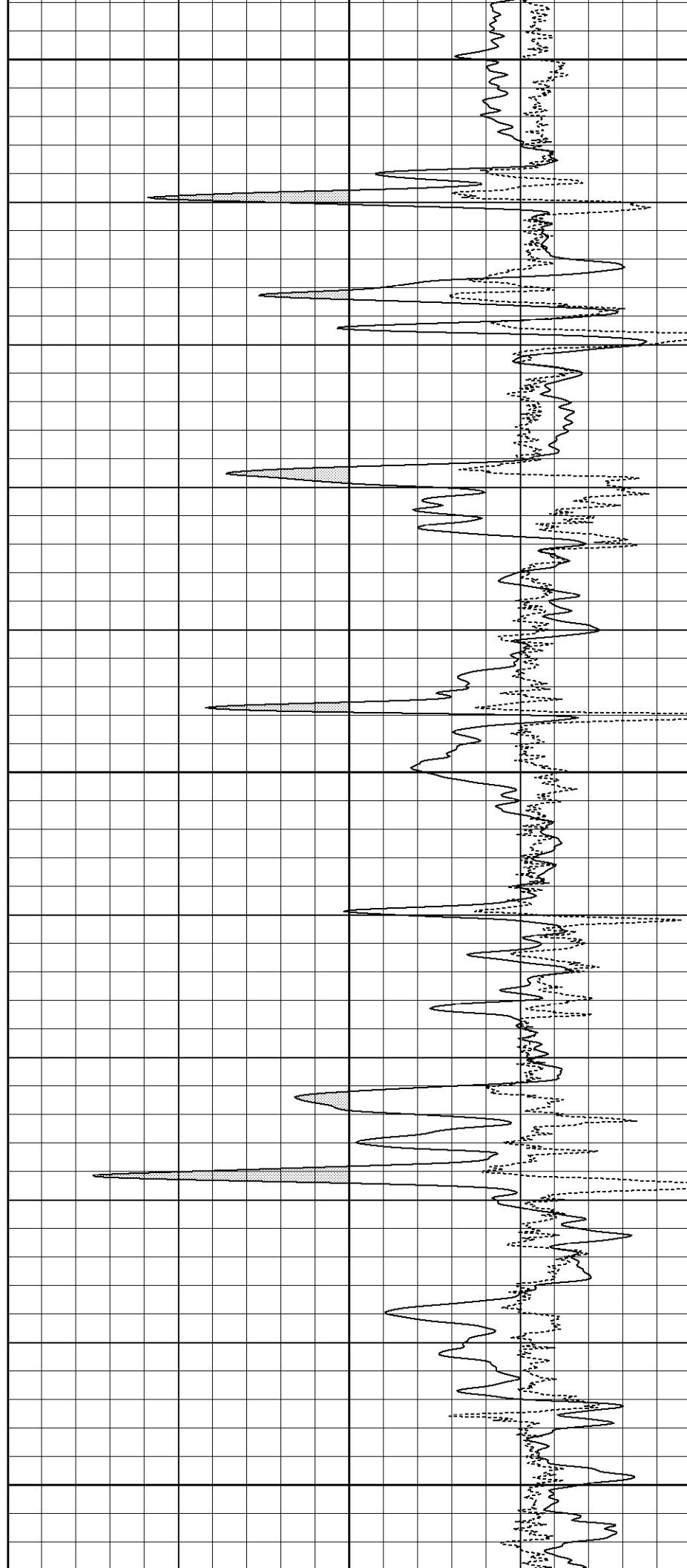
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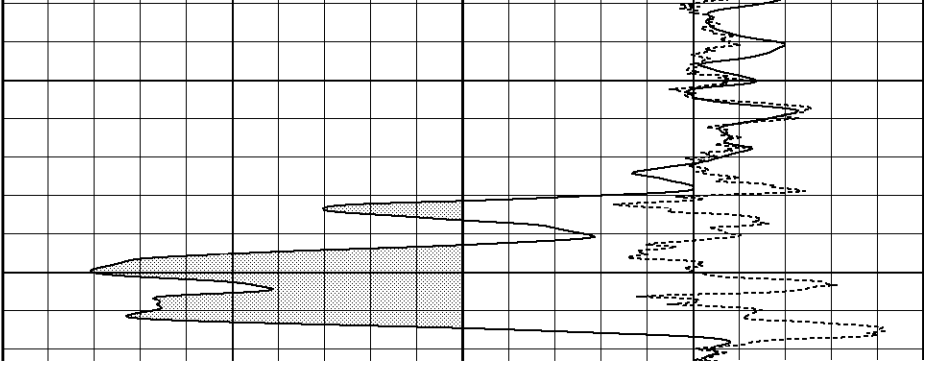
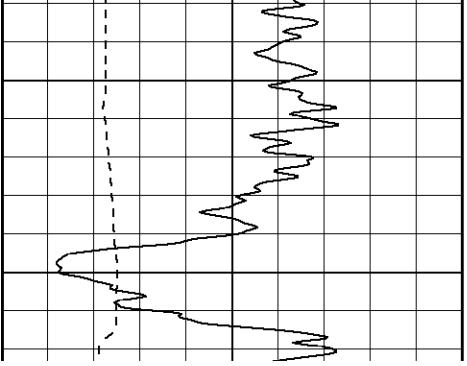


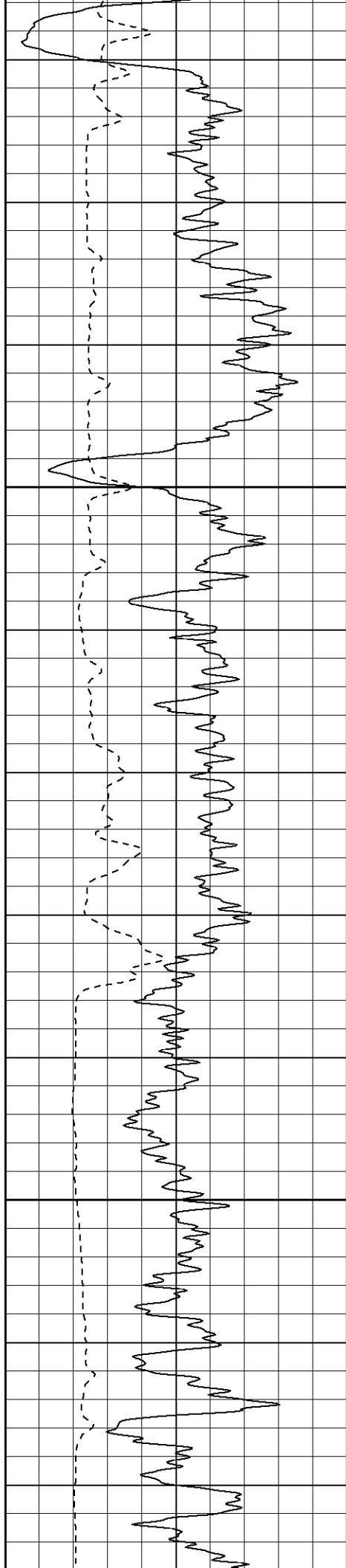
1000

1050

1100

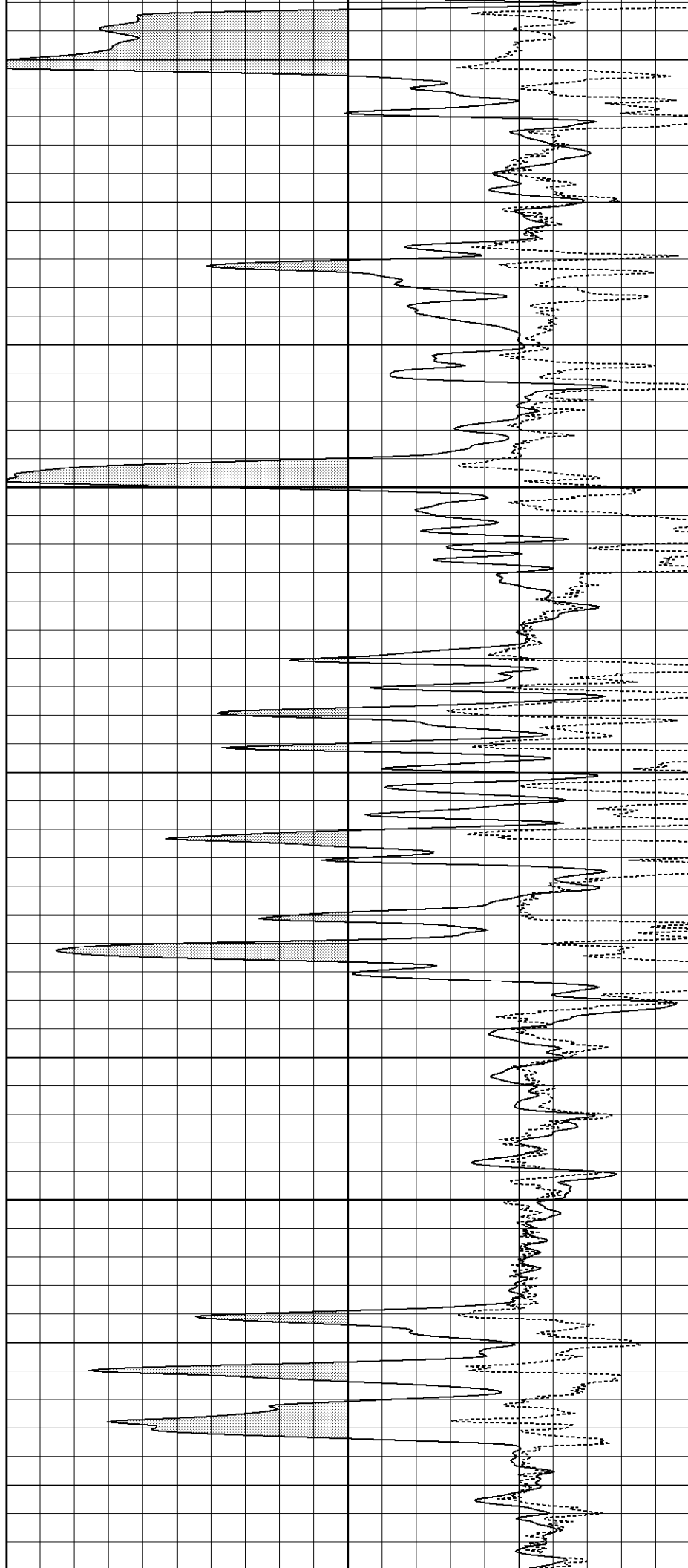


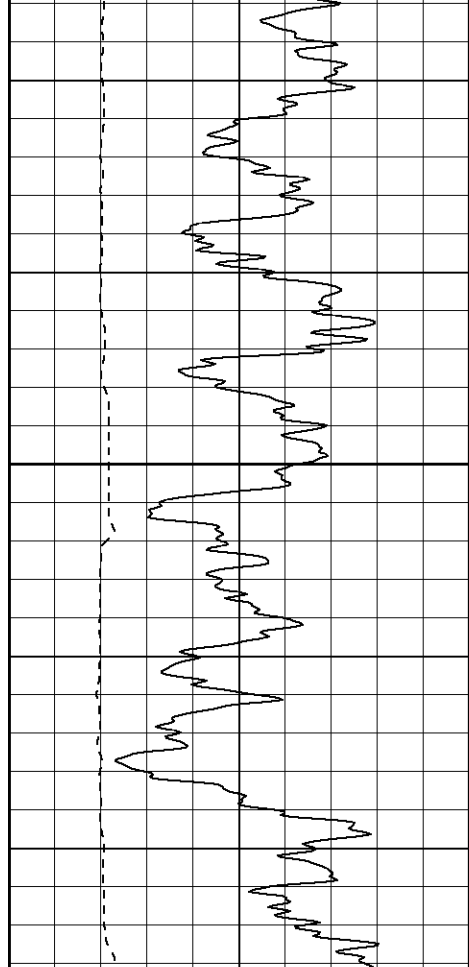




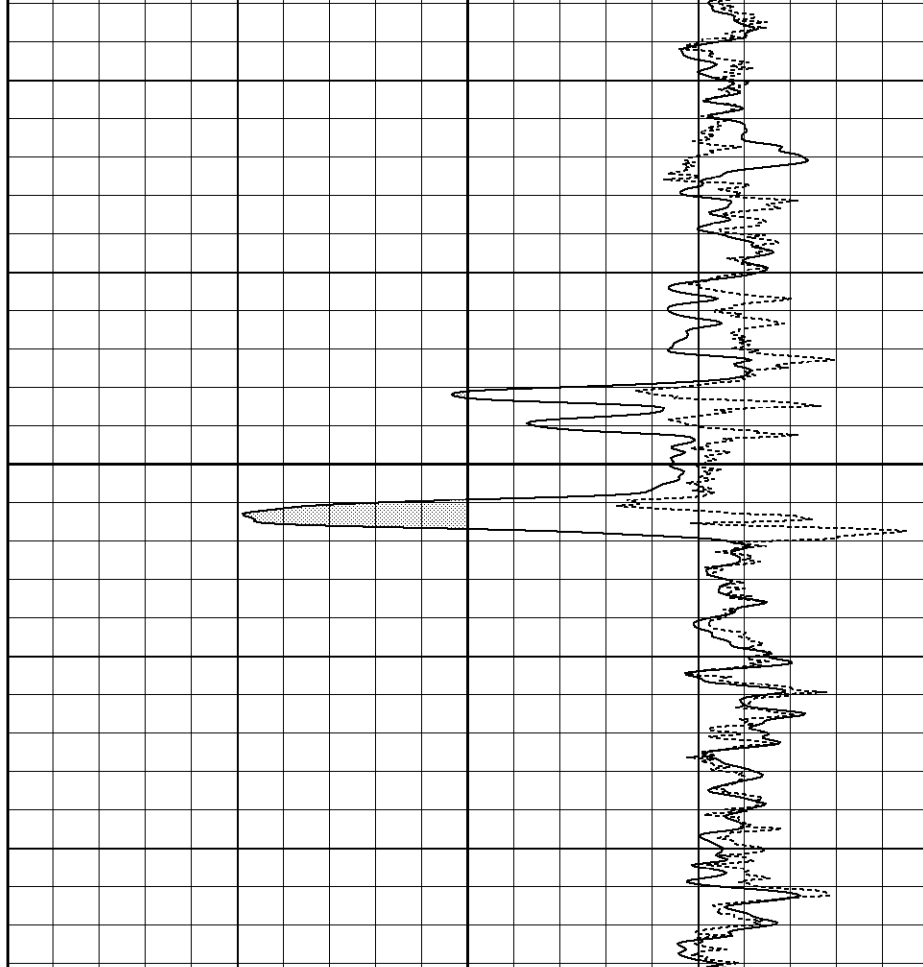
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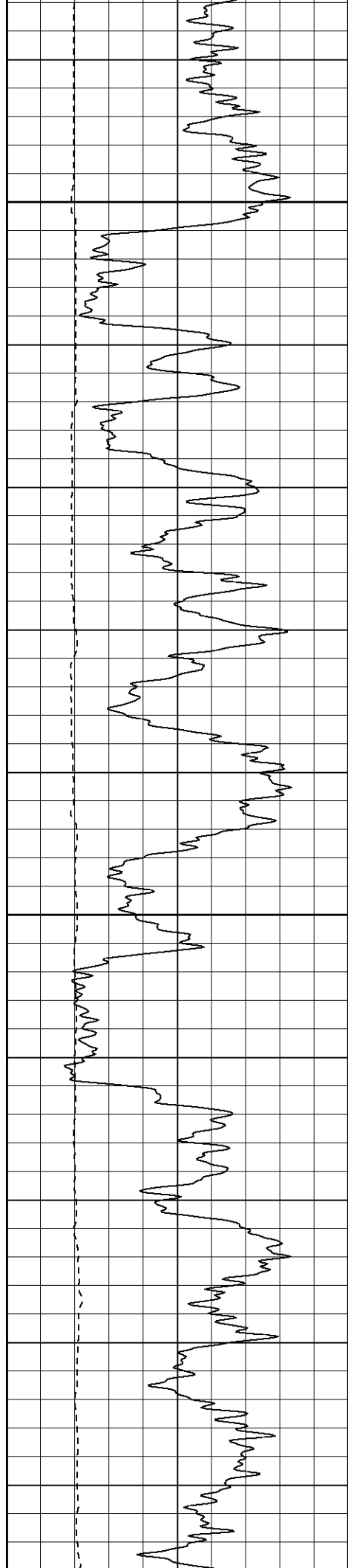
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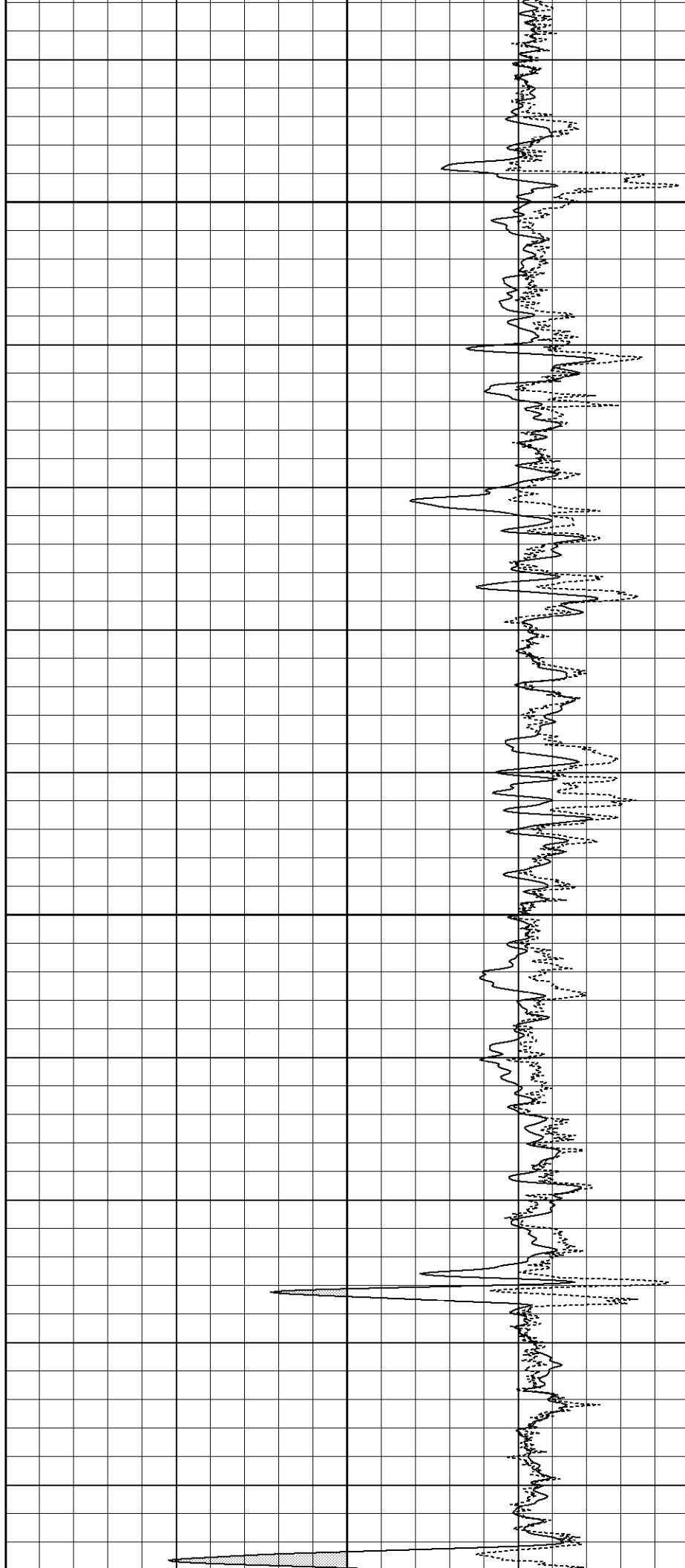
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1450

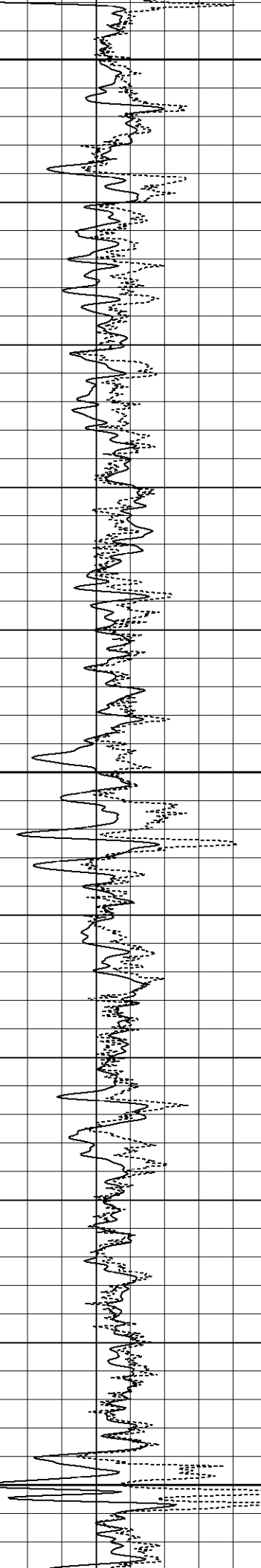
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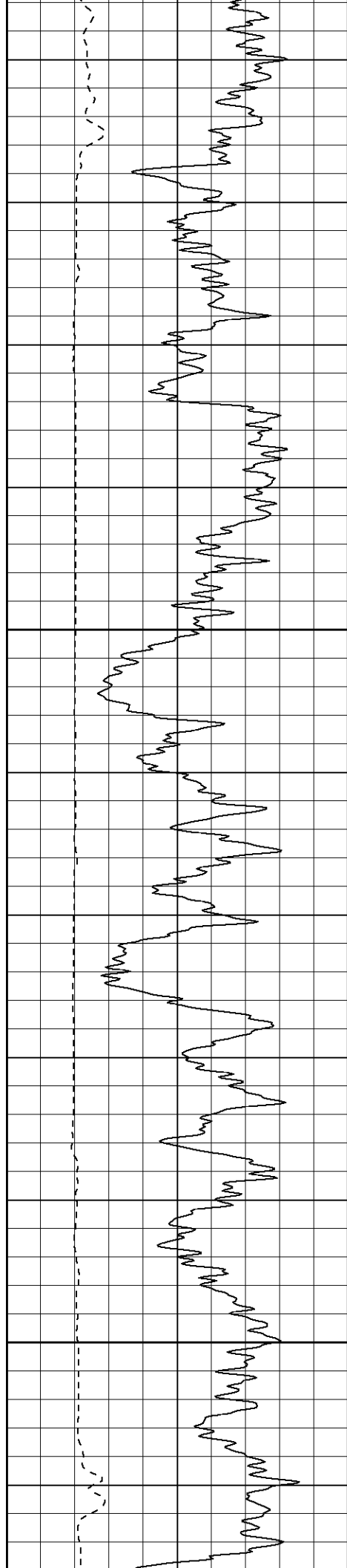


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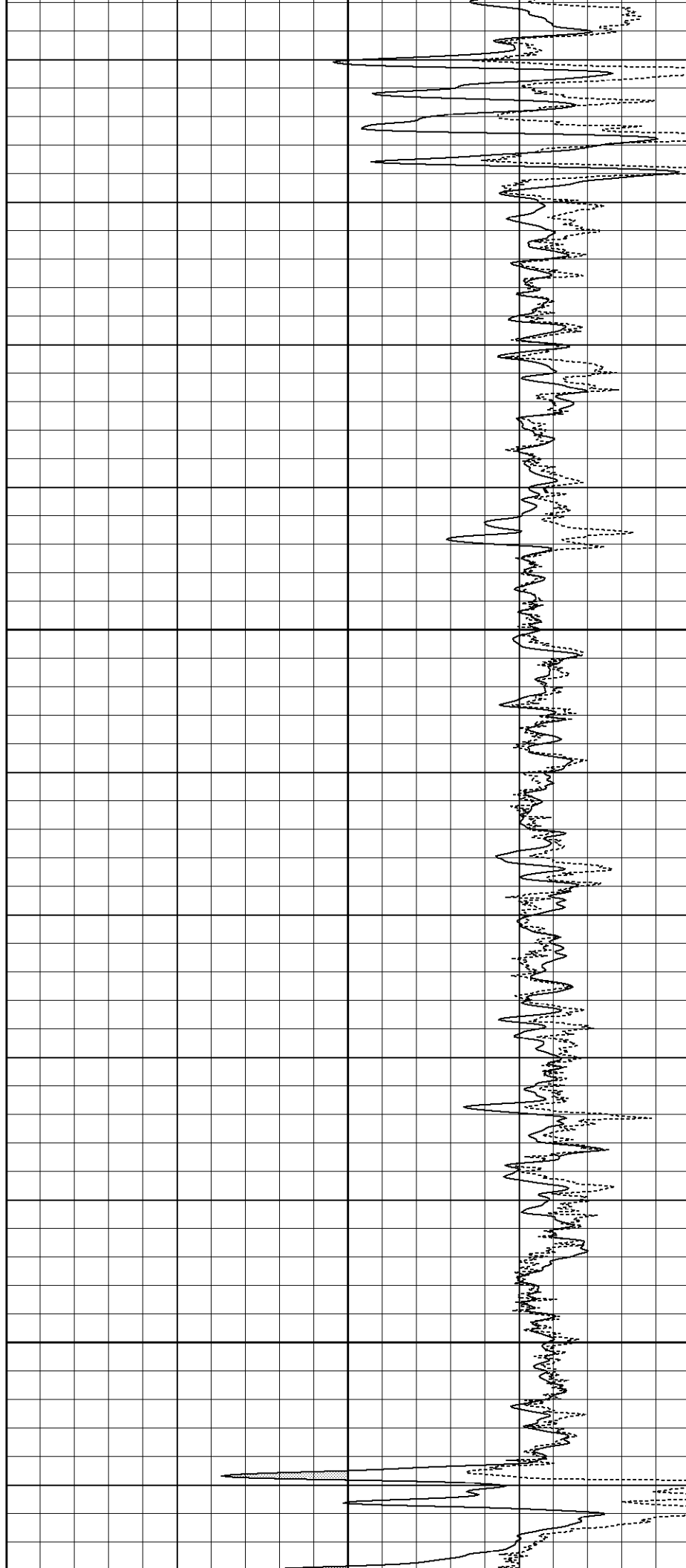
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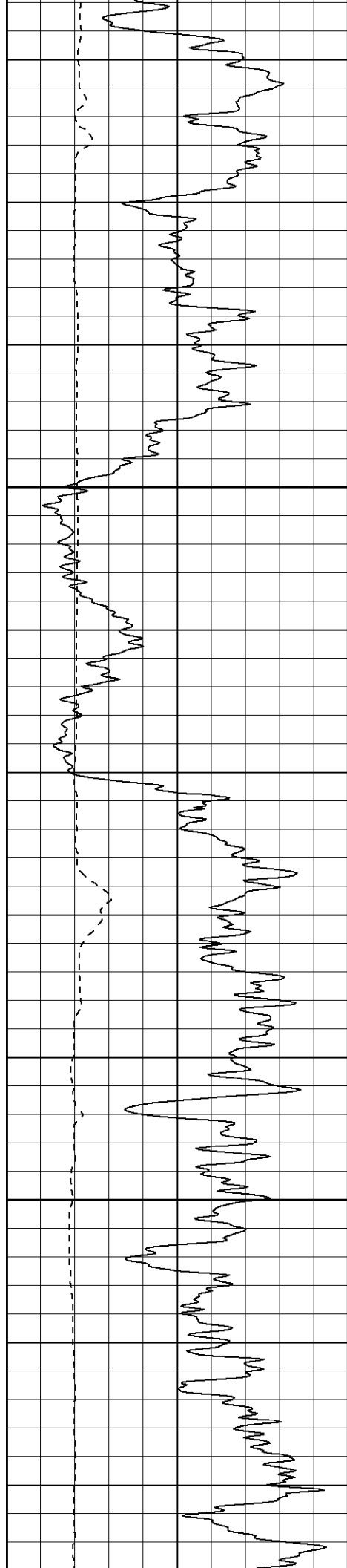




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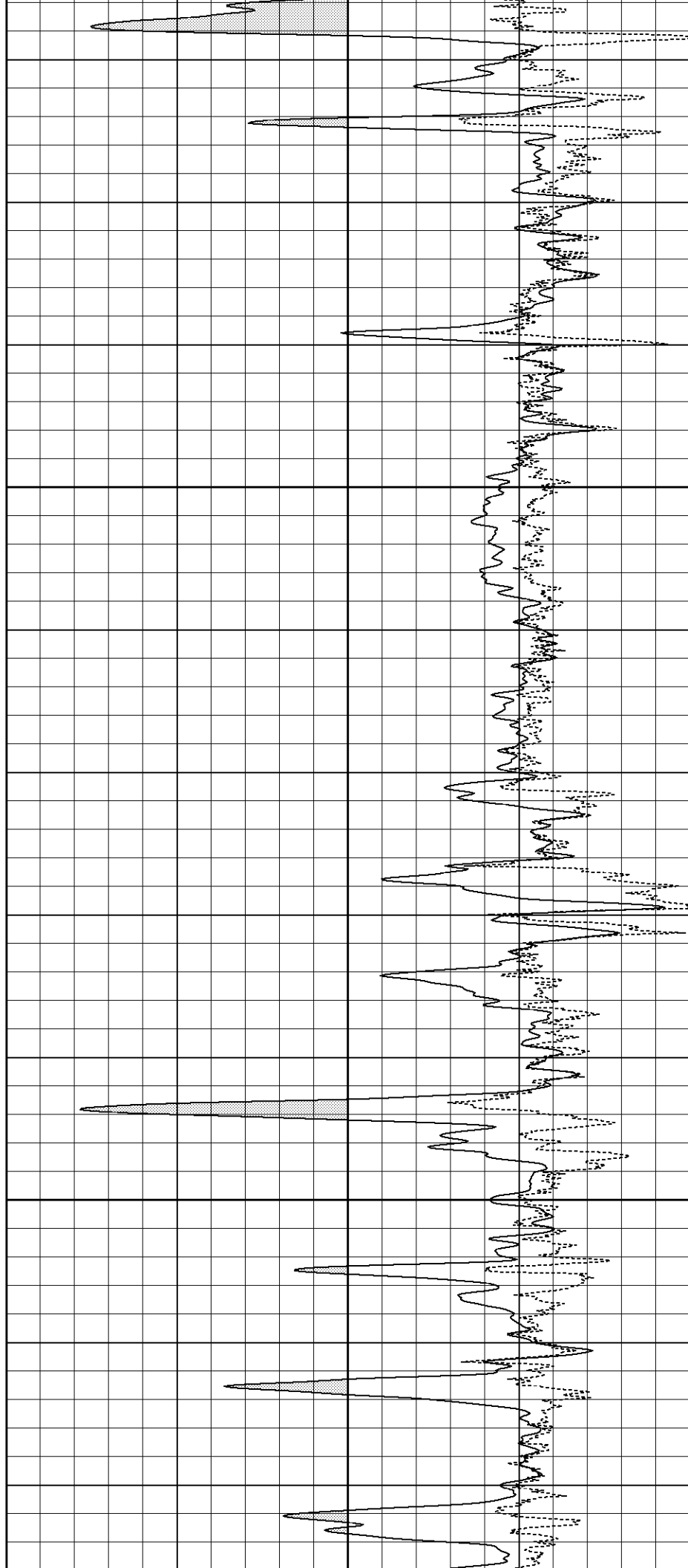
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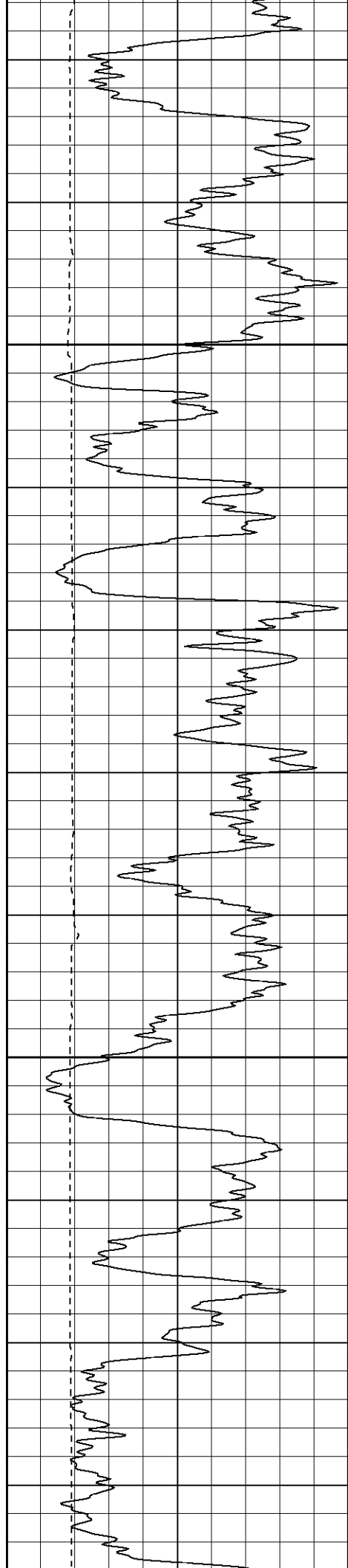




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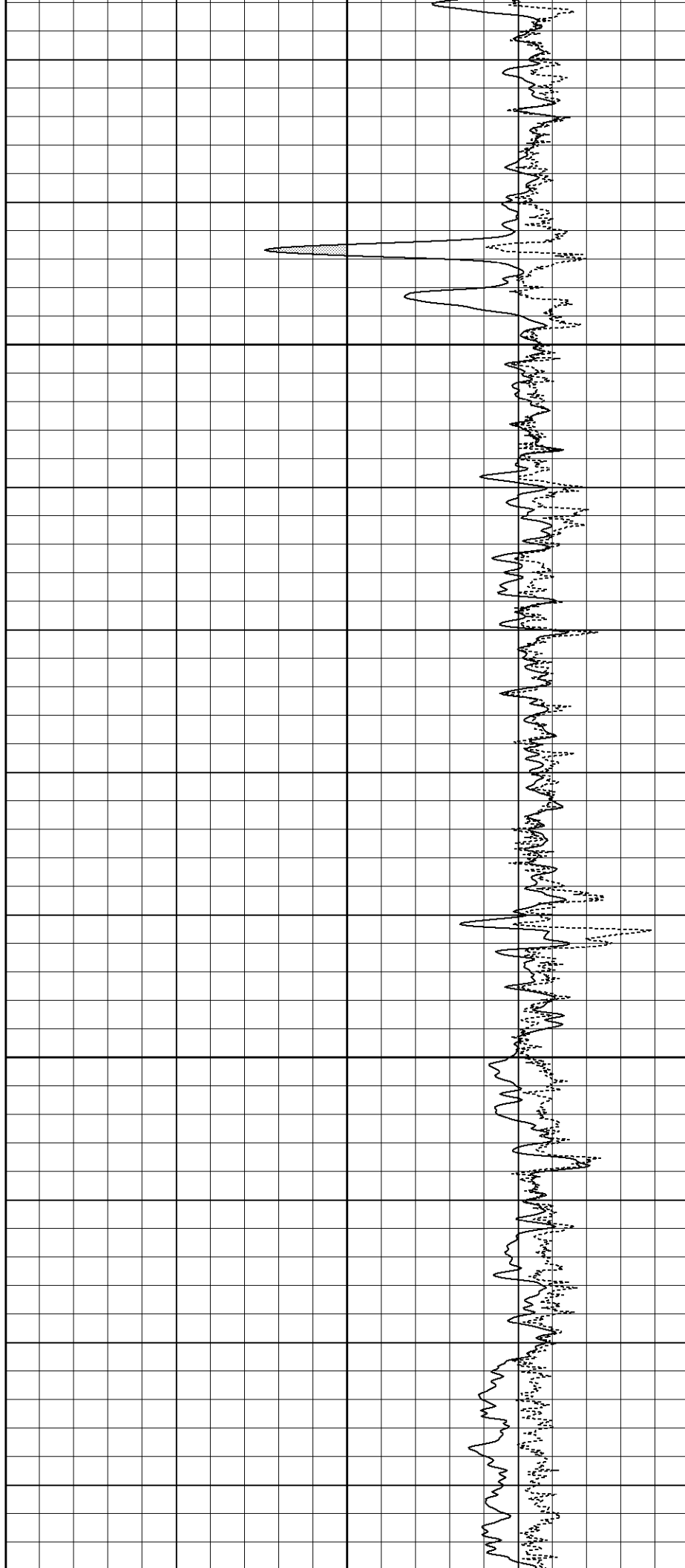
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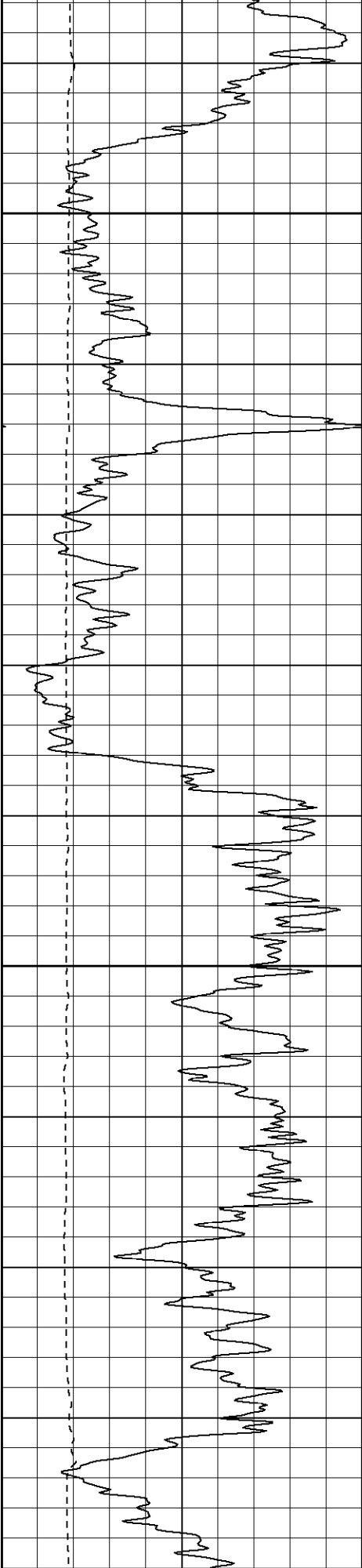




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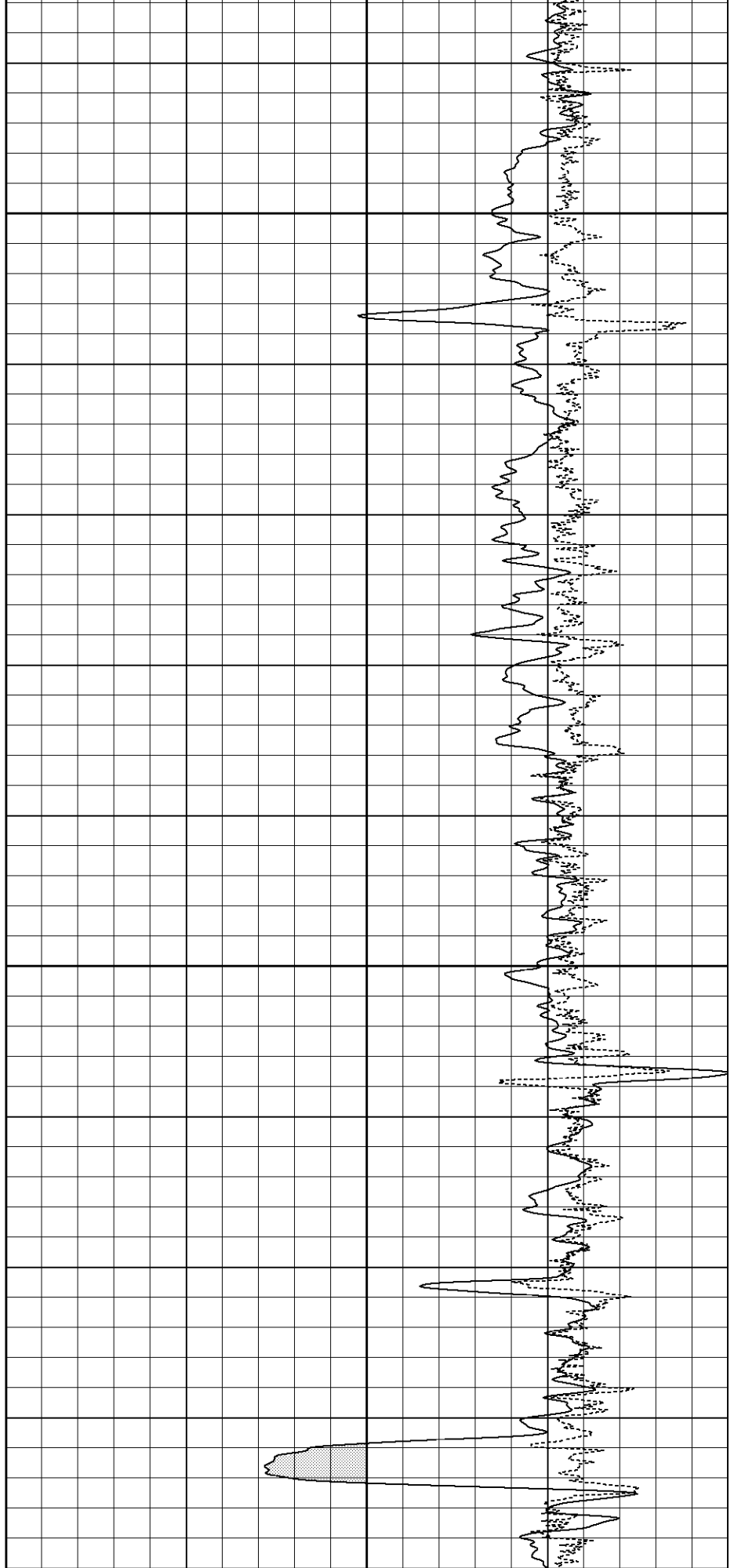
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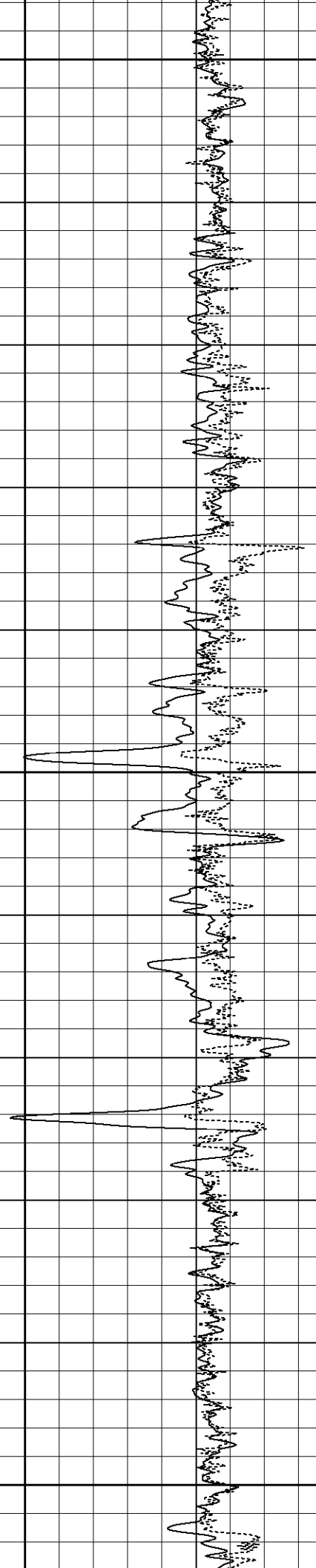
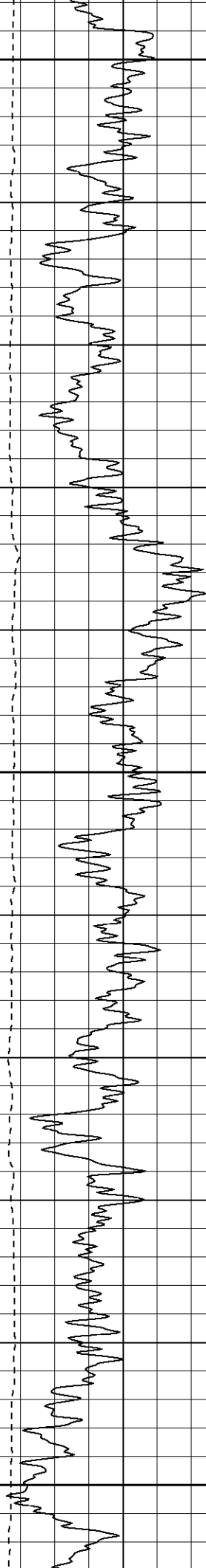
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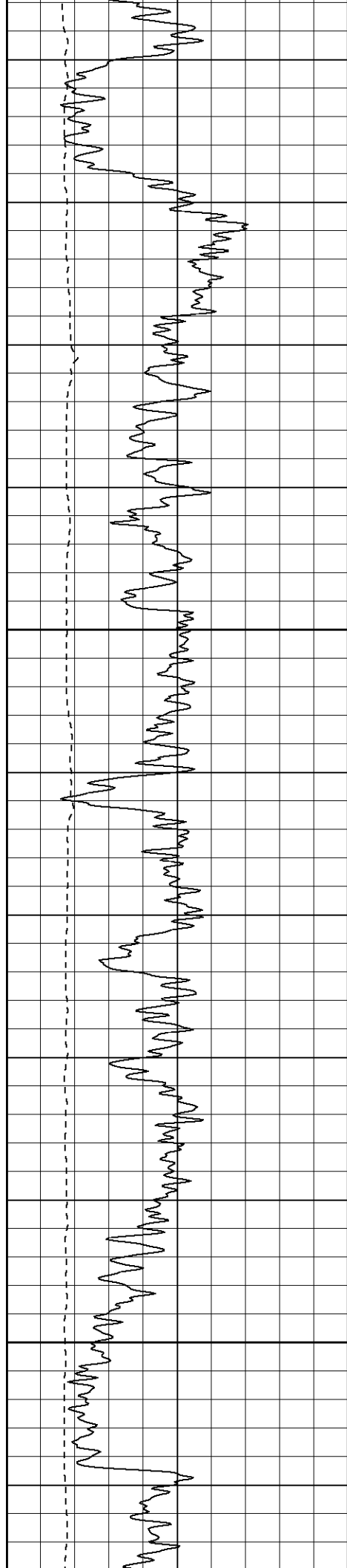


2100

2150

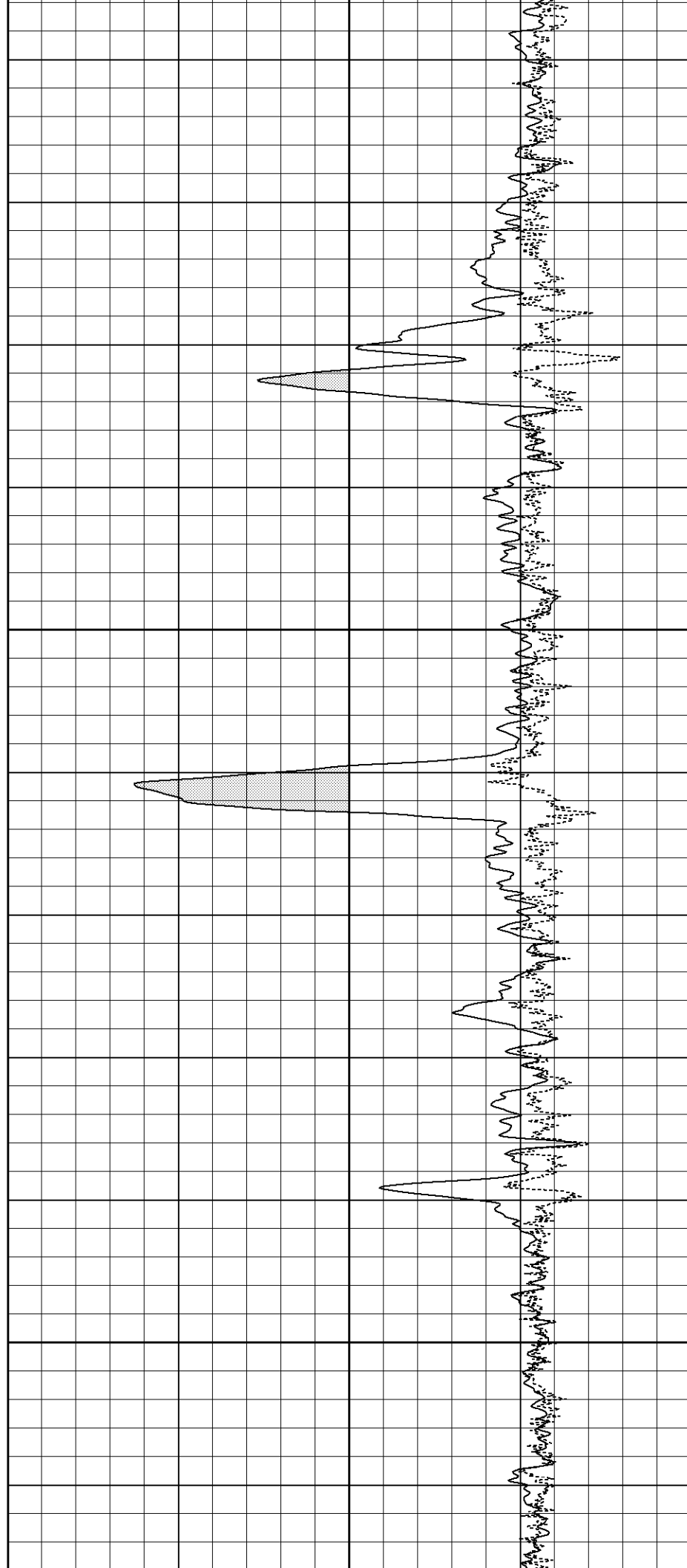
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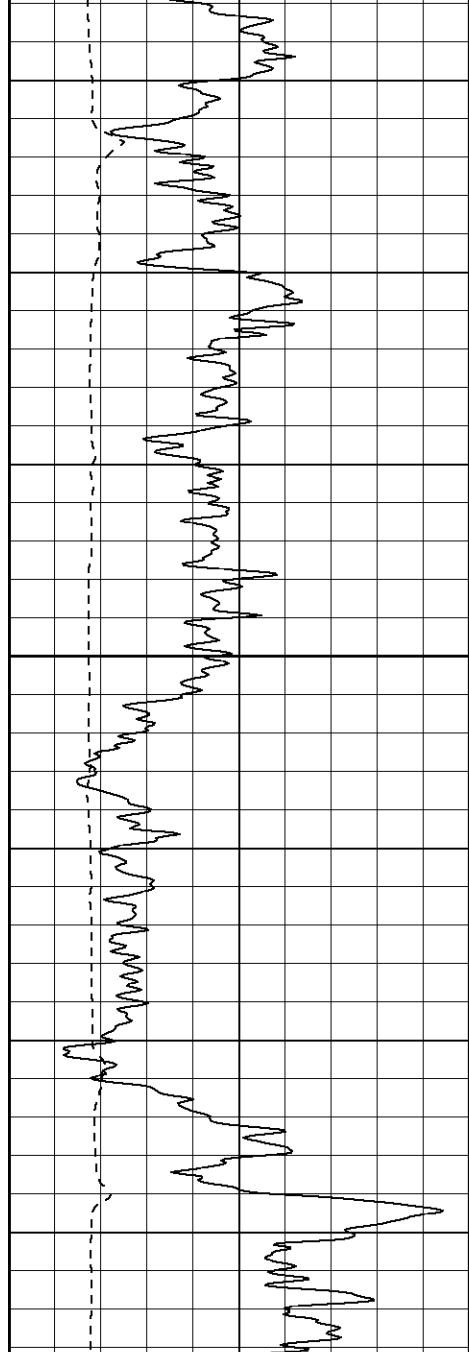




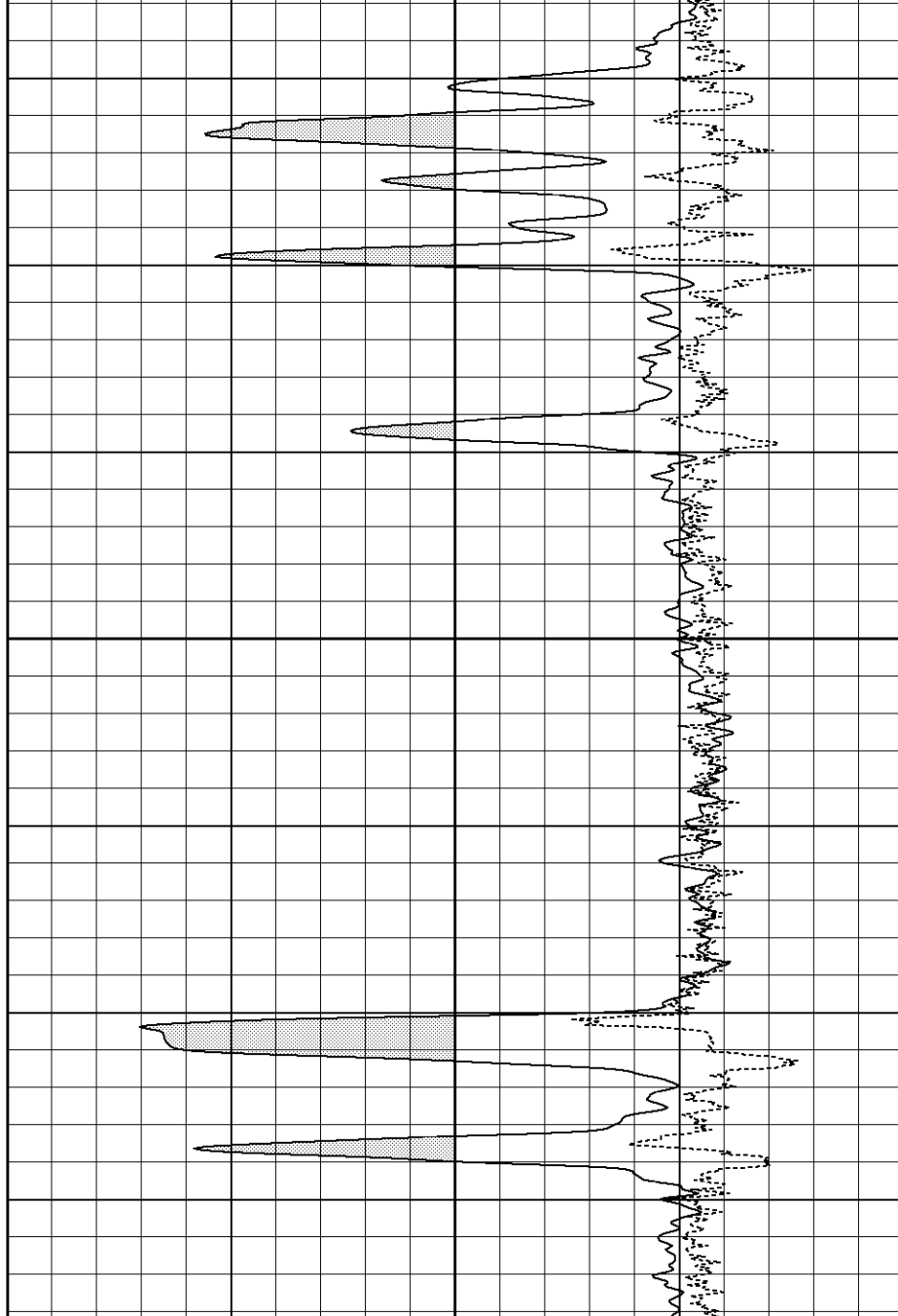
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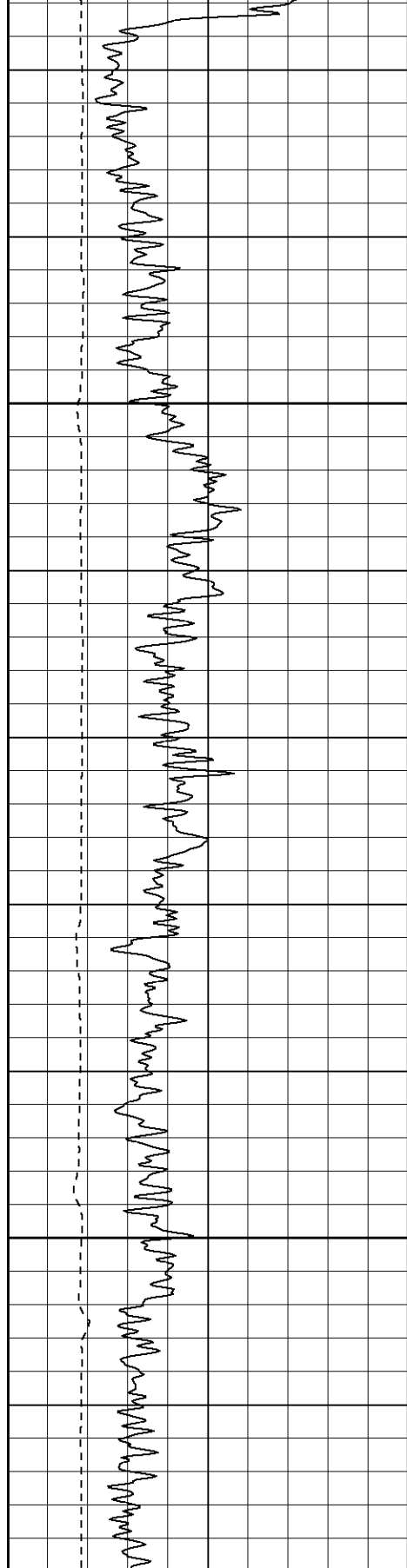
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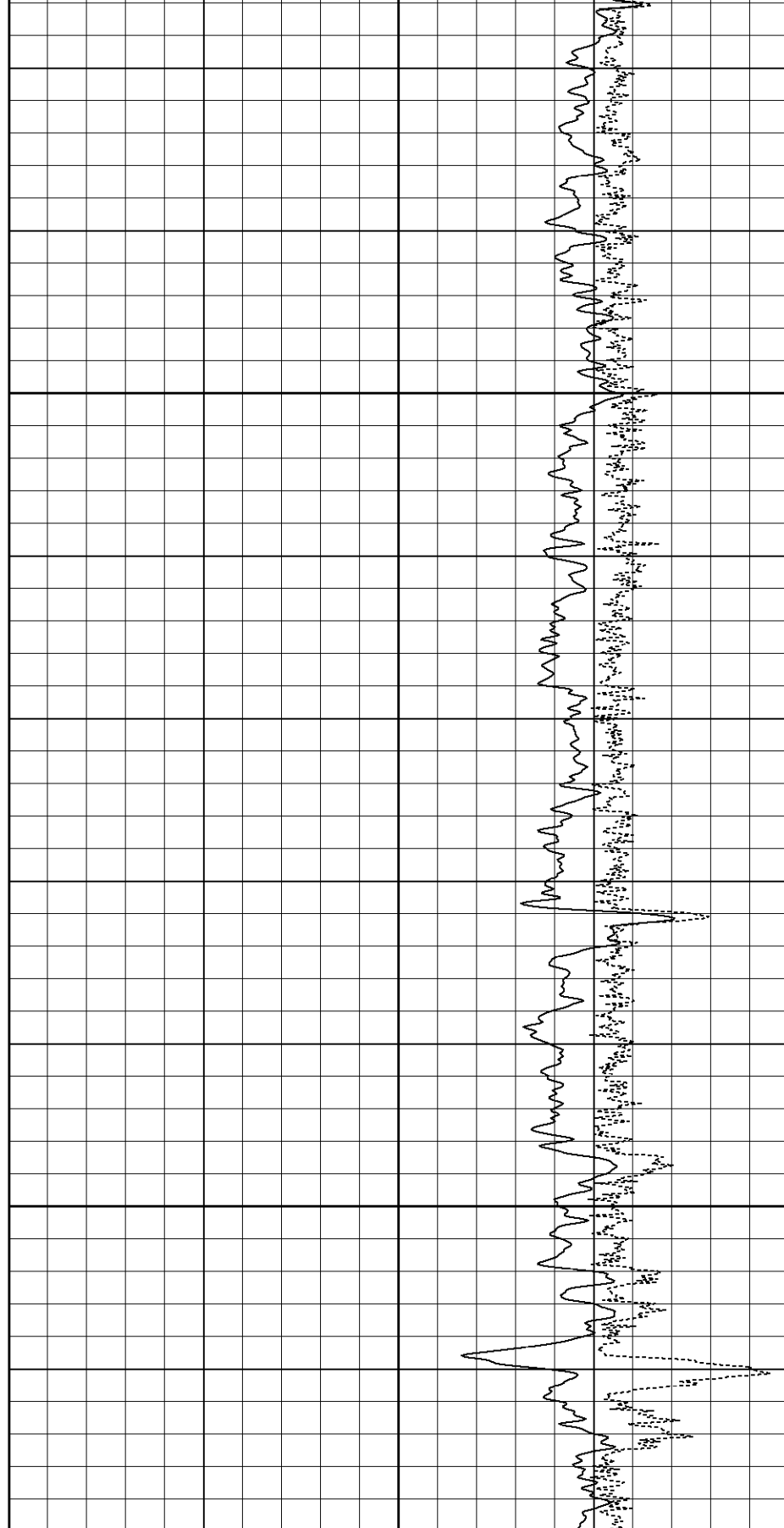
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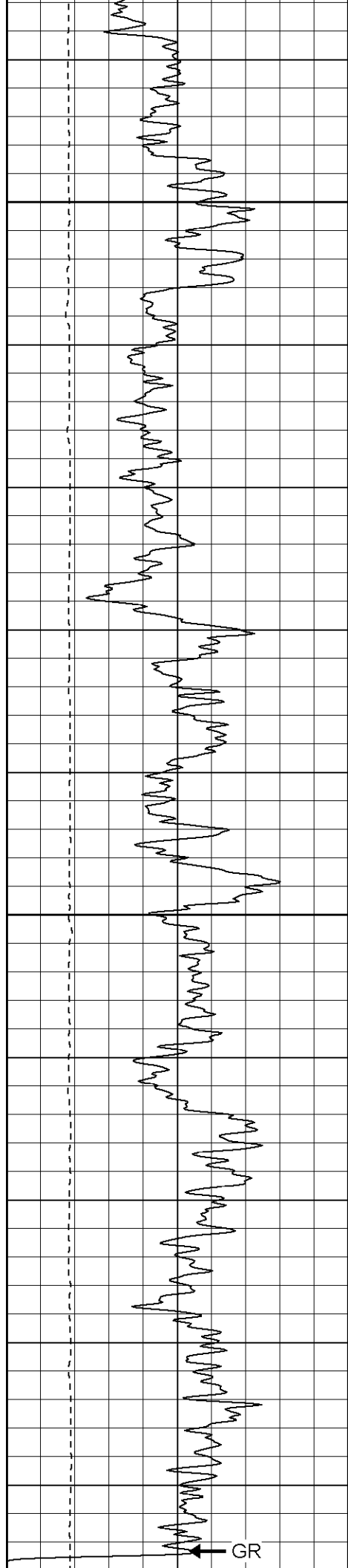




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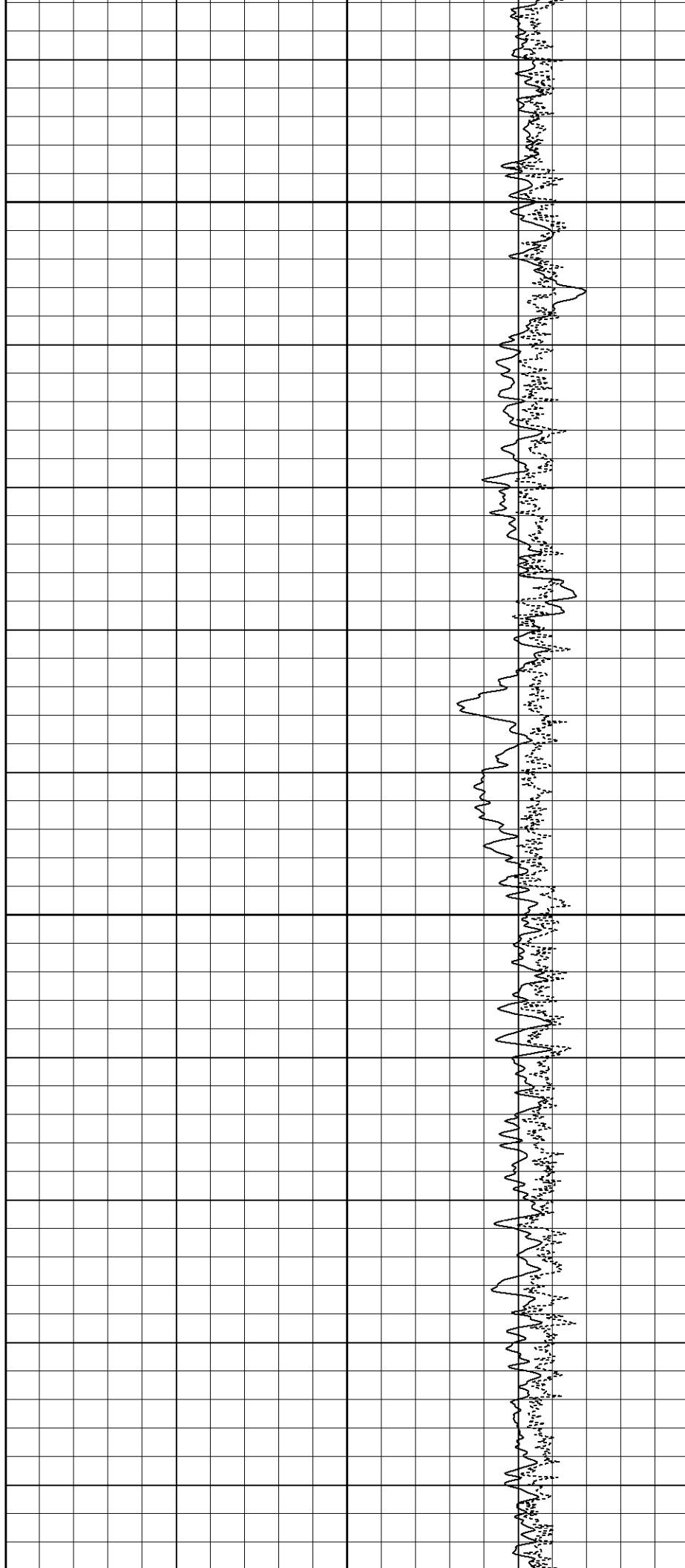
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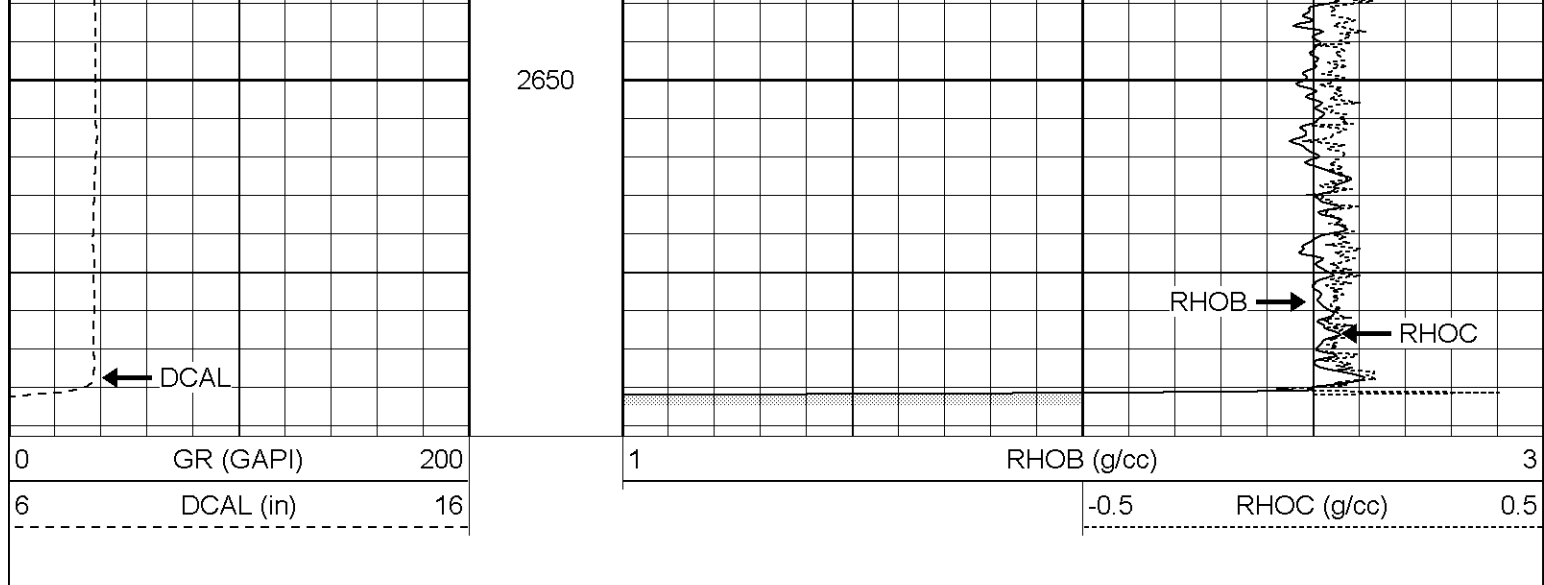




2550

2600





Compensated Density Calibration Report

Serial-Model: 2119-O
 Source / Verifier: csv-j12 / blks
 Master Calibration Performed: Fri Jul 07 08:48:39 2006

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1000.07	624.14	cps
Aluminum	2.590	g/cc	221.84	414.54	cps
Spine Angle = 74.80			Density/Spine Ratio = 0.564		
	Size		Reading		
Small Ring	7.85	in	3.75	V	
Large Ring	14.00	in	8.81	V	

Gamma Ray Calibration Report

Serial Number: 2119
 Tool Model: O
 Performed: Tue Jun 13 22:35:32 2006

Calibrator Value: 170.0 GAPI

Background Reading: 42.6 cps
 Calibrator Reading: 139.0 cps

Sensitivity: 0.7000 GAPI/cps

Neutron Calibration Report

Serial Number: 5138
 Tool Model: G
 Performed: Tue Jun 27 08:34:07 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	13.07		NEU-G (5138) Gearhart Epithermal	5.75	3.50	85.00	
GR	7.64		GR-O (2119) Oilex	2.60	3.63	74.00	
LSD	2.13		CDL-O (2119) Oilex	5.77	4.00	201.00	
DCAL	1.79						
SSD	1.58						
Dataset: /field/well/run1/_plots/_/jobs_/cdl Total Length: 14.12 ft Total Weight: 360.00 lb O.D. 4.00 in							